

The background features several large, light gray, curved lines that sweep across the page, creating a sense of motion and modern design.

# Lighting Tools Compact Catalogue

**siteco**

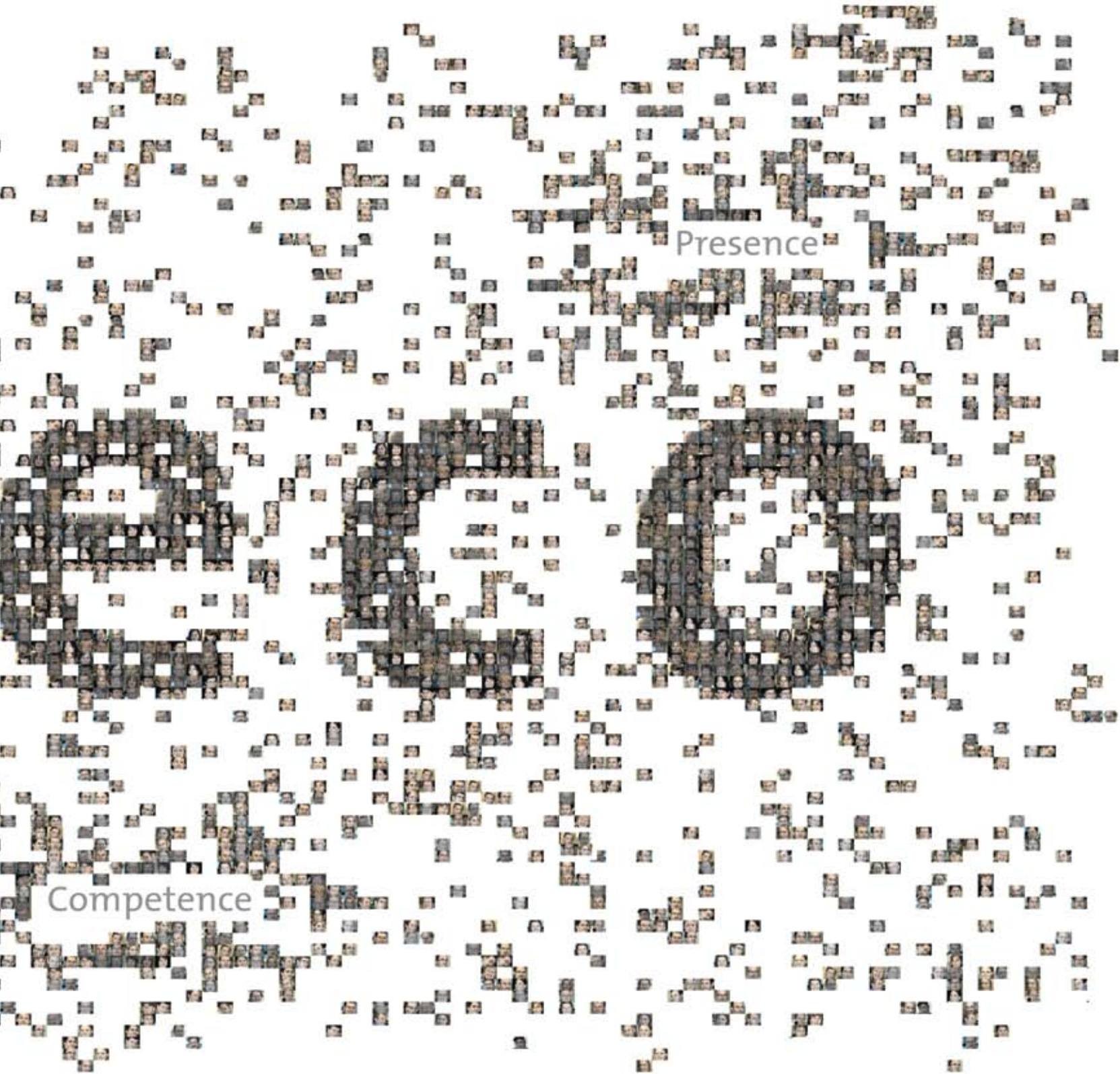


Dependability

Our Employees

Light for People

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*Dependability, presence and competence. Siteco Lighting Tools are created on the basis of these values. Values that are as unique as the employees presented on this page. They share a common enthusiasm for the medium of light and a passion for excellent service. The knowledge, curiosity and creativity of our experts enables us to develop new technologies and to implement innovative Lighting Tools. This takes place within the framework of a close dialogue with our customers and a permanent exchange with other lighting experts, and with a special consideration of ecological and economical factors. The result is excellent products for lighting solutions in the application areas of office, industry, traffic, shopping, public and sports – in fact wherever people require excellent light and luminaires as instruments for creativity.*

*Light – The Source Of Our Inspiration*

*The specialists for all important lighting applications: office, industry, shopping, traffic, public and sports  
Innovation-driver in all areas of light: Indoor lighting incorporating daylight integration, outdoor lighting, tunnel lighting.  
Quality, service and innovation as brand values that guide the thinking and activities of all Siteco teams.*



*Siteco is one of the leading suppliers and manufacturers of technical indoor and outdoor lighting as well as customer-specific lighting solutions. As an industry leader, Siteco is known for innovation, quality and service within the lighting industry. Our high level of competence within the project sector is a decisive driving-force for innovative technologies, new products and user-oriented solutions. With ELDACON® micro-prism technology, Hexal® hexagonal structures and Siteco Mirrortec® secondary reflector technology, Siteco is the choice for electrical and lighting consultants as well as acclaimed architectural partnerships.*

# Visions in New Light

Lighting Tools with LED Technology



Siteco® Orbiter 2



DL® 10



CL Series

*More than 150 years lie between the first arc lamp from Siemens & Halske and our state-of-the-art Siteco luminaires. Countless ideas, concepts and designs for new products mark the development of our company from the 19th Century until today. Thousands of people have invested their ability, knowledge and commitment for what was at one time revolutionary: light for people with Lighting Tools that point the way to the future.*



SILUETTE\* - 28



Lightpane - 27



Comfolight\* - 26



Comfit XSL - 24



Comfit Plus - 23



Comfit - 22



Clean Room Luminaires - 20



Siluna - 18



Compact Downlight - 48



Eco Servus - 46



Eco Servus - 45



MODARIO® Power Module - 60



Siteco Louvre Luminaire M - 74



Siteco Louvre Luminaire M - 74



CB 95 - 82



DL® 500 Catenary L - 98



DL® 500 Mast M - 97



TEKTUS - 95



CITY-LIGHT Elegance - 94



CITY-LIGHT Plus - 94



CITY-LIGHT 120 Boilard - 94



DL® 800 - 92



R3 MAXI - 116



SISTAR - 116



R2 MAXI - 116



R1 MINI ALU - 116



R1 MINI S - 116



COMBI Symmetric - 114

**Indoor Lighting**

**1 Floorstanding Luminaires**



Futurel® SMS - 4

Futurel® SMS - 4

Futurel® SMS - 4

**2 Linear Fluorescent Luminaires**



Clip-in Luminaires - 16

Sigro - 14

Novaluna® Recessed - 12

Novaluna® Surface Mounted - 12

Novaluna® S/P - 12

Quadrature® Surface Mounted / Suspended - 9

Quadrature® Recessed - 8

**3 Downlights**



Eco Servus - 44

Square Downlight - 41

LUNIS R® - 38

LUNIS R® - 38

LUNIS® M - 34

LUNIS® E - 33

LUNIS® - 32

**4 Trunking Systems**



MODARIO® - 60

DUS® IP60 - 56

DUS® IP20 - 56

Hexal®-s - 53

Hexal®-a - 52

Hexal® Uplight - 52

Hexal®-a Single Luminaire - 52

**5 High Bay & Damp-Proof Luminaires**



Canopy - 72

SNJ350 - 71

SNX300 - 71

Sifab - 70

Sibant Batten Luminaire - 68

Siplast - 67

Monsun® - 66

**Outdoor Lighting**

**6 Building Vicinity Luminaires**



CB 90 - 82

CL Bollard - 79

CL Spotlight - 79

CL Linear Wall - 78

CL Linear Ceiling - 78

CL Wall - 78

CL Ceiling - 78

**7 Town and Amenity Luminaires**



SM 300 R - 90

SM 300 E - 90

GALAXIE - 89

SW DISC® 3 - 88

SW DISC® 2 - 88

SW DISC® 1 - 88

DL® 10 - 86

**8 Streetlighting Luminaires**



SISTELLAR - 108

SC - 106

SQ - 104

ST - 102

**9 Projectors and Floodlights**



S2 MAXI - 114

S2 MIDI - 114

S2 MINI - 114

SICOMPACT® A2 MAXI - 112

SICOMPACT® A2 MIDI - 112

SICOMPACT® A2 MINI - 112

SICOMPACT® A1 MINI - 112

**10 Secondary Reflector Systems**



R3 MAXI - 121

R1 MINI S - 121

SM® Projector 400 - 121

SM® Projector 150 - 121

SM® Reflector 200 CA - 120

SM® Reflector 100 A - 120

SM® Reflector 100 - 120

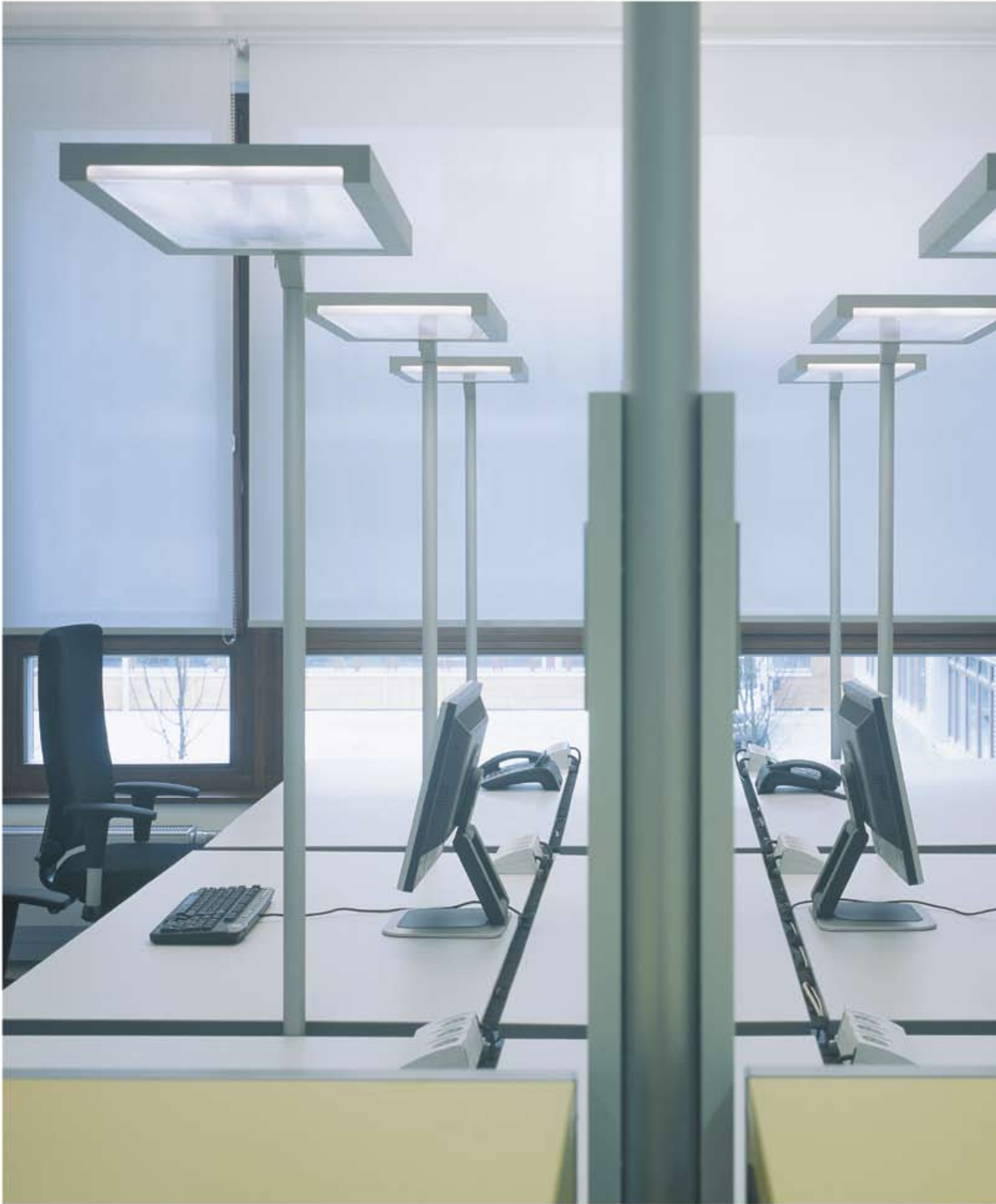
**11 Tunnel Luminaires**



SNA813 - 126

SNA854 - 126

Appendix





Floorstanding Luminaires



**Futurel® SMS**

Page 4



**Futurel® SMS**

Page 4

Further Product Ranges



**SINILUX 2**



**SINILUX 5MB**

## Futurel® 5MS

The floorstanding luminaires of the Futurel® 5MS unite clear, striking forms with the patented ELDACON® light control system. This creates a homogenous distribution of light upon the working plane with a high, glare-free direct component. The balanced contrast creates a pleasant atmosphere and illumination that satisfies current standards for DSE workstations.

The whole family adapts ideally both technically and optically to modern office environments with their quality of light and design.



### Electrics

Luminaires wired ready for connection, construction sets with electrical plug connection | with black connection cable (L = 2.5 m), with shockproof plug | with ECG (with ON/OFF switch on luminaire head) or with ECG dimming (with ON/OFF switch and ambience and presence detector) | further electrical equipment on request

### Lighting Technology

ELDACON® technology: absolutely glare-free lighting control with highly precise microprismatic structures | ELDACON®, direct/indirect distribution, CAT (Ls 1000cd/m²)

- + Glare-free direct component with use of transparent ELDACON® microprismatic technology
- + Glare value UGR < 16
- + Timeless, purist design
- + Rotatable luminaire head
- + Two-step switching
- + Uniform design for luminaire family consisting of floorstanding, wall, suspended and surface-mounted luminaires



### Housing Technology

Luminaire head housing of extruded aluminum with diecast aluminium support arm, metallic grey (RAL 9006) | ELDACON® of PMMA | end cap with translucent fringe, can be colour-accentuated | modular construction with mechanical and electrical plug technology | luminaire components packed separately: luminaire head / support column / baseplate



### Futurel® 5MS wall luminaire



### Futurel® SMS | with ELDACon®, CAT (L≤ 1000cd/m²)

Extruded aluminium head with translucent plastic décor elements, can be color accentuated, metallic grey (RAL 9006)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>ECG, direct/indirect distribution, two on/off switches</b>						
SMS 426 7-3ULO	3xTC-L 55W	2G11	743	359	1920	26.0
SMS 426 7-8VLO	3xTC-L 80W	2G11	743	359	1920	26.0
SMS 426 7-4ULO	4xTC-L 55W	2G11	743	359	1920	26.0
SMS 426 7-9VLO	4xTC-L 80W	2G11	743	359	1920	26.0

ECG, direct/indirect distribution, with direct component separately switchable, two on/off switches

SMS 426 7-3US0	3xTC-L 55W	2G11	743	359	1920	25.9
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ECG (L..10V), direct/indirect distribution, with multi-sensor, one on/off switch

SMS 426 6-3ULOD	3xTC-L 55W	2G11	743	359	1920	26.0
SMS 426 6-4ULOD	4xTC-L 55W	2G11	743	359	1920	26.0

large luminaire head (3- or 4-lamp): L x W x H= 675 x 359 x 44mm •Ambience and presence sensor: Dim Multi 3, fixed



### Futurel® SMS | with ELDACon®, CAT (L≤ 1000cd/m²) | with two luminaire heads

Extruded aluminium head with translucent plastic décor elements, can be color accentuated, metallic grey (RAL 9006)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>ECG, direct/indirect distribution, one on/off switch per luminaire head</b>						
SMS 426 7-2UK0	2x2xTC-L 55W	2G11	1453	270	2025	28.3
SMS 426 7-7VK0	2x2xTC-L 80W	2G11	1453	270	2025	28.3

small luminaire head (2-lamp): L x w x H= 675 x 270 x 44 mm



### Futurel® SMS | with ELDACon®, CAT (L≤ 1000cd/m²) | for wall mounting

Extruded aluminium housing, metallic grey (RAL 9006); translucent face ends can be colour accented



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>ECG, direct/indirect distribution</b>						
SMS 436 7-2ULO	2xTC-L 55W	2G11	647	277	44	4.1
SMS 436 7-7VLO	2xTC-L 80W	2G11	647	277	44	4.1



**Quadrature®**  
Page 9



**Novaluna® 5**  
Page 12



**Quadrature®**  
Page 8

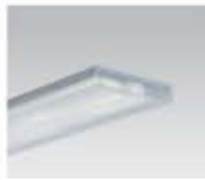


**Novaluna®**  
Page 12

Luminaires for Suspended Mounting



**Novaluna® P**  
Page 12



**Novaluna®**  
Page 12



**Comfolight®**  
Page 26



**Comfolight®**  
Page 26

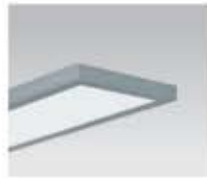


**Lightpane**  
Page 27



**SILUETTE®**  
Page 28

Luminaires for Surface Mounting



**Quadrature®**  
Page 8



**Novaluna®**  
Page 12



**Sigro**  
Page 15



**Siluna**  
Page 19



**Comfit Plus**  
Page 23



**SILUETTE®**  
Page 28

Luminaires for Recessed Mounting



**Sigro**  
Page 14



**Clip-in Luminaires**  
Page 16



**Siluna**  
Page 18



**Clean Room**  
Page 20



**Comfit**  
Page 22



**Comfit XSL**  
Page 23

Wall - and Ceilingwashers



**Wall washer for recessed mounting**  
Page 23



**Wall washer for surface mounting**  
Page 23



**Comfolight®**  
Page 26

Further Product Ranges



**Orbiter 2**



**Splendid**



**Comfolight® 2**



**SILING**

## Quadrature®

The Quadrature® family is equipped with the patented ELDAICON® light control system. This creates a homogenous, glare-free light distribution. The balanced contrast creates a pleasant atmosphere and illumination that satisfies current standards for computer screens, independent of arrangement of luminaires within the room. The luminaires incorporate T16 lamping for high light output ratios. The family has suspended, surface mounted, recessed, and rail system variations.



### Housing Technology

Extruded aluminium luminaire module frames, metallic grey (RAL 9006) or brilliant white (RAL 9010), upper part of modules sheet steel, brilliant white (RAL 9010); ELDAICON® of PMMA

### Electrics

Luminaire modules wired ready for connection | with 3-pole terminal (ECG DALI or ECG dimming: 3-pole and 2-pole for control signal), max. 2.5 mm<sup>2</sup> | with ECG, ECG DALI or ECG dimming (1...10V) | further electrical equipment on request

### Lighting Technology

ELDAICON® technology: absolutely glare-free light control via highly precise micro-prismatic structures | uniform luminance over complete light emission surface without direct view of lamps | reduced reflected glare directly below luminaire, allowing independent luminaire arrangements within room, even directly above workstations | very high light output ratio of ≥ 70 % | direct distribution, CAT(L ≤ 1000cd/m<sup>2</sup>)

- + Design features a clear, purist form without visible mounting elements
- + Ultra-slim CAT luminaire, made possible with the use of transparent ELDAICON® microprismatic technology
- + ELDAICON® microprismatic technology for UGR < 16 glare rating
- + Flexibility for interior design with an independent luminaire arrangement within the room
- + No direct viewing of lamps, with reduced reflected glare even below luminaire
- + Good cylindrical illuminance
- + Complete luminaire, includes lamps
- + Relamping and maintenance without use of tools
- + Complete luminaire family of recessed, surface-mounted, rail system, and suspended variations
- + Suspended and surface-mounted luminaires in two design variations; with rounded or angular longitudinal profiles



### Quadrature® | recessed luminaire | CAT 2 with ELDAICON®

Sheet steel housing, extruded aluminium frame, metallic grey (RAL9006) or pure white (similar to RAL9010)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>M600, luminaire housing metallic grey (RAL9006)</b>						
5LM 512 7-2MS	2xT16 14W	G5	596	353	50	4.5
5LM 512 7-2PS	2xT16 28W	G5	1196	353	50	9.8

luminaire housing metallic grey (RAL9006)

5LM 511 7-2NS	2xT16 21W	G5	896	353	50	7.5
5LM 512 7-2RS	2xT16 35W	G5	1496	353	50	12.1

7: ECG 6: ECG (1.10 V) D: ECG DALI W: pure white (similar to RAL9010) S: metallic grey (RAL9006)



### Quadrature® | recessed luminaire | CAT 2 with ELDAICON®

Sheet steel housing, extruded aluminium frame, metallic grey (RAL9006) or pure white (similar to RAL9010)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>M600, luminaire housing pure white (similar to RAL9010)</b>						
5LM 512 7-2YW	2xT16 24W	G5	596	596	59	8.8

luminaire housing pure white (similar to RAL9010)

5LM 511 7-7LW	2xT16 8W	G5	353	353	50	3.4
5LM 511 7-2TW	2xTC-L 18W	2G11	353	353	59	2.8

7: ECG 6: ECG (1.10 V) D: ECG DALI W: pure white (similar to RAL9010) S: metallic grey (RAL9006)

### Quadrature® Recessed Luminaire Mounting Accessories



mounting bracket

Description	Order No.
mounting bracket, H = 50 mm B = 353 mm, clamping range 34 – 45 mm	set of 4 5LX 591 0-2
mounting bracket, H = 50 mm B = 353 mm, clamping range 45 – 56 mm	set of 4 5LX 591 0-4
mounting bracket, H = 59 mm B = 353 mm or 597 mm, clamping range 37 – 48 mm	set of 4 5LX 591 0-3
mounting bracket, H = 59 mm B = 353 mm or 597 mm, clamping range 59 – 70 mm	set of 4 5LX 591 0-4





### Quadrature® | surface-mounted luminaire | CAT 2 with ELDACON®

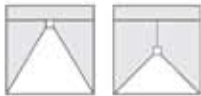
Direct distribution, extruded aluminium housing frame, metallic grey or pure white



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with lightly convex lateral contour, metallic grey (RAL9006)						
5LM 521 7-7LS	2xT16 8W	G5	335	329	37	2.8
5LM 521 7-2MS	2xT16 14W	G5	596	329	37	4.7
5LM 521 7-2NS	2xT16 21W	G5	896	329	37	7.6
5LM 521 7-2YS	2xT16 24W	G5	596	596	37	8.3
5LM 521 7-2PS	2xT16 28W	G5	1196	329	37	9.8
5LM 521 7-2RS	2xT16 35W	G5	1496	329	37	12.0

7: ECG 6: ECG (1.10 V) D: ECG DALI W: pure white (similar to RAL9010) S: metallic grey (RAL9006)

\* has angular design variation



### Quadrature® | surface-mounted luminaire | CAT 2 with ELDACON®

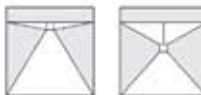
Direct distribution with ceiling illumination, extruded aluminium housing frame, metallic grey or pure white



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with lightly convex lateral contour, metallic grey (RAL9006)						
5LM 522 7-7LS	2xT16 8W	G5	335	329	37	2.6
5LM 522 7-2MS	2xT16 14W	G5	596	329	37	4.6
5LM 522 7-2NS	2xT16 21W	G5	896	329	37	7.7
5LM 521 7-2YS	2xT16 24W	G5	596	596	37	8.3
5LM 522 7-2PS	2xT16 28W	G5	1196	329	37	9.8
5LM 522 7-2RS	2xT16 35W	G5	1496	329	37	11.6

7: ECG 6: ECG (1.10 V) D: ECG DALI W: pure white (similar to RAL9010) S: metallic grey (RAL9006)

\* has angular design variation



### Quadrature® single luminaire | suspended luminaire | CAT 2 with ELDACON®

Direct/indirect distribution, extruded aluminium housing frame, metallic grey or pure white



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with angular design, metallic grey (RAL9006)						
5LM 623 7-2PS	2xT16 28W	G5	1196	329	39	9.8
5LM 623 7-2RS	2xT16 35W	G5	1496	329	39	12.0
5LM 623 7-2FS	2xT16 49W	G5	1496	329	39	12.0
5LM 623 7-2JS	2xT16 54W	G5	1196	329	39	9.8
5LM 623 7-2XS	2xT16 80W	G5	1496	329	39	12.0

7: ECG 6: ECG (1.10 V) D: ECG DALI

\* has lightly convex lateral contour variation

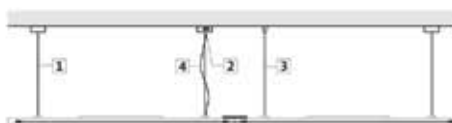


## Quadrature® Mounting Accessories



mounting bracket

Description	Order No.
mounting bracket, for suspended luminaires, steel, galvanized, set of 2	
distance to ceiling: a = 13 mm, for direct distribution luminaire modules	5LX 592 0-1
distance to ceiling: a = 30 mm, for luminaire modules with ceiling illumination	5LX 592 0-2



Y-wire suspension  
Canopy Grey

Order No.



Double-wire suspension  
Canopy white/grey

Order No.

1 suspension without terminal	5LM 593 1-1A	5LF 913 0-2*
2 suspension with terminal		5LF 913 1-2*
3 suspension with ceiling cover (without canopy)	5LM 593 0-1A	
4 connection cable with transparent insulation, 3-core, 750mm	5LF 900 0-1L	
4 connection cable with transparent insulation, 3-core, 1400mm	5LF 900 0-2L	
4 connection cable with transparent insulation, 5-core, 1400mm	5LF 900 0-5L	

\* please add A to end of order number for canopy grey





### Quadrature® | for mounting on rail system | light module, CAT 2 with ELDACON®

Direct distribution, metallic grey (RAL9006) or pure white (similar to RAL9010) extruded aluminum housing frame



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>metallic grey (RAL9006)</b>						
SLM 521 7-2MS	2xT16 14W	G5	596	329	37	4.7
SLM 521 7-2NS	2xT16 21W	G5	896	329	37	7.6
SLM 521 7-2YS	2xT16 24W	G5	596	596	37	8.3
SLM 521 7-2PS	2xT16 28W	G5	1196	329	37	9.8
SLM 521 7-2RS	2xT16 35W	G5	1496	329	37	12.0
7: ECG    6: ECG (L10V)    D: ECG DALI    W: pure white (similar to RAL9010)    S: metallic grey (RAL9006)						



### Quadrature® rail system | light insert for system rail

Indirect distribution, with aluminium reflector



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SLM 540 7-1N	1xT16 21W	G5	905	48	58	0.5
SLM 540 7-1P	1xT16 28W	G5	1205	48	58	0.6
SLM 540 7-1R	1xT16 35W	G5	1505	48	58	0.7
SLM 540 7-1K*	1xT16 39W	G5	905	48	58	0.5
SLM 540 7-1F	1xT16 49W	G5	1505	48	58	0.7
SLM 540 7-1J	1xT16 54W	G5	1205	48	58	0.9
SLM 540 7-1X	1xT16 80W	G5	1505	48	58	0.7
7: ECG    6: ECG (L10V)    D: ECG DALI    *only ECG or ECG (L10V)						



### Quadrature® rail system for suspended mounting

Wired as standard, extruded aluminium rail, metallic grey (RAL9006) or pure white (similar to RAL9010)



Order No.	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>pure white (similar to RAL9010), with thr. wiring 6 x 1.5 mm<sup>2</sup></b>				
SLM 530 1-10W	1800	61	64	2.2
SLM 530 1-20W	2700	61	64	3.5
SLM 530 1-30W	3600	61	64	4.5
W: pure white (similar to RAL9010)    S: metallic grey (RAL9006)				

## Quadrature® for Rail System Mounting Accessories



end cap



straight connector



wall mounting



angle connector



variable joint



mounting set



connection cable



wire suspension

Description	Order No.
end cap, set of 2, metallic grey / white	SLM 593 0-60S / SLM 593 0-60W
straight connector, galvanized steel, wt. 0.2 kg	SLM 593 0-7
wall mounting incl. cover, metallic grey / white	SLM 593 0-80S / SLM 593 0-80W
angle connector, for 90° / 120° angle connections	SLM 593 0-93S / SLM 593 0-92S
variable joint, connecting arm metallic grey / white	SLP 940 2-4A / SLP 940 2-4
mounting set, plastic cover, graphite / white	SLM 593 0-40S / SLM 593 0-40W
connection cable, with transparent insulation, cross section 0.75 mm <sup>2</sup>	
3-core, L = 750 mm / L = 1400 mm	SLF9 000 1-L / SLF 900 0-2L
5-core, L = 1400 mm	SLF 900 0-5L
wire suspension, with canopy grey, without terminals / with terminals	SLM 593 0-20S / SLM 593 1-20S
wire suspension, with canopy white, without terminals / with terminals	SLM 593 0-20W / SLM 593 1-20W

## Novaluna®

Novaluna is a complete family of surface-mounted, recessed, semi-recessed, suspended and designer variations for a wide spectrum of applications. Two design variations: Novaluna® P with flat underside and Novaluna S with convex underside, which is awarded the Lighting Design Award 2007.

Luminaires are equipped either with ELDAICON® or HDP® light control systems. This creates a homogenous distribution of light upon the working place with a glare-free direct component. The balanced contrast creates a pleasant atmosphere and illumination that satisfies current standards for DSE workstations (UGR < 16).



### Housing Technology

Extruded, brushed and anodised aluminum or sheet steel housing, coated metallic grey (RAL 9006) or pure white (similar to RAL 9010) | ELDAICON® and High Definition Prismatics (HDP®) of PMMA

### Electrics

Luminaires wired ready for connection | with 3-pole terminal (ECG DALI or ECG dimming: 3-pole and 2-pole for control signal), max. 2.5 mm<sup>2</sup> | with ECG, ECG DALI or ECG dimming (1...10V) | further electrical equipment on request

### Lighting Technology

High-grade prismatic structures make the Novaluna® an exceptionally ergonomic and flexible task luminaire. ELDAICON® technology represents the optimal restriction of reflected and direct glare and is especially suitable for the lighting of DSE workstations according to current standards

- ELDAICON®, CAT(Ls 1000cd/m<sup>2</sup>)
- HDP® (UGR < 19) extremely high light output ratios: up to 90 % with single lamp, up to 72 % with twin lamps (with High Efficiency (HE) lamps)

- + ELDAICON® microprismatic technology for optimal restriction of reflected and direct glare
- + Glare value UGR < 16
- + Combination of secondary and prismatic technology with particularly slimline construction
- + Lamps concealed from view
- + Very high light output ratio to 97 %
- + Flexibility via Multiwatt technology for exchangeable lumen packages
- + Good sealing of microprismatic elements against ingress of insects and larger dust particles
- + Relamping without tools
- + Multi-level glare reduction via inner V prisms for homogenous, reduced luminance values within beam area



### Novaluna® S / P | suspended luminaire | CAT 2 with ELDAICON®

indirect/direct distribution, extruded, brushed and anodised aluminium housing

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>Novaluna® S, indirect/direct distribution</b>						
SMC 254 7-2HS2	2xT16 28/54W	G5	1199	365	34	5.5
SMC 254 7-2QS2	2xT16 35/49/80W	G5	1499	365	34	7.5

**Novaluna® P, indirect/direct distribution**

SMC 254 7-2HS1	2xT16 28/54W	G5	1199	365	34	5.5
SMC 254 7-2QS1	2xT16 35/49/80W	G5	1499	365	34	7.5

7: ECG Multiwatt 6: ECG Multiwatt (1..10V) D: ECG Multiwatt (DALI)



### Novaluna® | suspended luminaire | CAT 2 with ELDAICON®

indirect/direct distribution, sheet steel housing, metallic grey (RAL 9006)

⊕ IP 20 ⊕ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>indirect/direct distribution</b>						
SMC 248 7-1JS	1xT16 54W	G5	1203	266	53	6.7
SMC 248 7-1XS	1xT16 80W	G5	1503	266	53	8.4
SMC 248 7-2FS	2xT16 49W	G5	1503	266	53	8.7
SMC 248 7-2JS	2xT16 54W	G5	1203	266	53	6.8

7: ECG D: ECG DALI



### Novaluna® | surface-mounted luminaire | CAT 2 with ELDAICON®

Direct distribution with ceiling illumination, sheet steel housing, metallic grey (RAL 9006)

⊕ IP 20 ⊕ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct distribution with ceiling illumination</b>						
SMC 228 7-1YS	1xT16 24W	G5	603	266	55	3.8
SMC 228 7-1FS	1xT16 49W	G5	1503	266	55	8.6
SMC 228 7-1JS	1xT16 54W	G5	1203	266	55	6.5
SMC 228 7-1XS	1xT16 80W	G5	1503	266	55	8.3
SMC 228 7-2MS	2xT16 14W	G5	603	266	55	3.6
SMC 228 7-2PS	2xT16 28W	G5	1203	266	55	7.0
SMC 228 7-2RS	2xT16 35W	G5	1503	266	55	8.4

7: ECG D: ECG DALI



### Novaluna® | recessed luminaire | CAT 2 with ELDAICON®

Direct distribution, sheet steel housing, metallic grey or pure white

⊕ IP 20 ⊕ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>M600, pure white (similar to RAL9010), direct distribution</b>						
SMC 128 7-1YW	1xT16 24W	G5	597	272	48	3.8
SMC 128 7-1JW	1xT16 54W	G5	1197	272	48	7.4
SMC 128 7-2MW	2xT16 14W	G5	597	272	48	4.1
SMC 128 7-2PW	2xT16 28W	G5	1197	272	48	7.3

**pure white (similar to RAL9010), direct distribution**

SMC 128 7-1FW	1xT16 49W	G5	1497	272	48	9.2
SMC 128 7-1XW	1xT16 80W	G5	1497	272	48	9.0
SMC 128 7-2RW	2xT16 35W	G5	1497	272	48	9.1

7: ECG D: ECG DALI W: pure white (similar to RAL9010) S: metallic grey (RAL9006)



## Sigro

The suspended and surface mounted luminaires of Sigro family is equipped with high quality (parabolic) aluminium profiled louvers (presenting choice of highly specular or matt) or prismatic/opal diffusers, which all create a wide, uniform light distribution and a pleasant light ambiance. The aluminium profiled Sigro recessed luminaires are suitable with their low recess depth for all types of ceiling systems.



### Housing Technology

0,5 mm DKP sheet steel housing, powder coated white (similar to RAL 9010) | louvers are installed without tools and fixed in position with patented spring catches | opal diffusers (PMMA) are completely recyclable.

### Electrics

Luminaires wired ready for connection; with 3-pole terminal, max. 5 mm<sup>2</sup> | with ECG, CCG, or dimmable ballast | suitable for parallel power correction with installed capacitor on request in which CCG is used

### Lighting Technology

Sigro luminaires with their high quality reflectors and diffusers restrict glare on computer screens and create a direct and diffuse light distribution

- + Suitable for all interior applications, especially in offices or similar environments where VDU are used
- + Pleasant ambiance with attractive diffusers and louvers
- + Tool-free fixing of louvers and fixing in position with patented spring catches



## Sigro | for recessed mounting | with aluminium lamel profiled louver

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
SLX 662 7-2AR1	2xT26 18W	G13	596	296	80	1.90	280x580
SLX 662 7-2CR1	2xT26 36W	G13	1196	296	80	3.55	280x1180
SLX 662 7-4AR1	4xT26 18W	G13	596	596	80	3.85	580x580
SLX 662 7-4CR1	4xT26 36W	G13	1196	596	80	7.00	580x1180

7: ECG 1: CCG

R1: highly specular reflector R2: matt reflector



## Sigro | for recessed mounting | with parabolic aluminium profiled louver

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
SLX 667 7-2AR1	2xT26 18W	G13	596	296	80	2.00	280x580
SLX 667 7-2CR1	2xT26 36W	G13	1196	296	80	3.65	280x1180
SLX 667 7-4AR1	4xT26 18W	G13	596	596	80	3.95	580x580
SLX 667 7-4CR1	4xT26 36W	G13	1196	596	80	7.10	580x1180

7: ECG 1: CCG

R1: highly specular reflector R2: matt reflector



## Sigro | for recessed mounting | with prismatic diffuser

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
SLX 663 7-2A	2xT26 18W	G13	596	296	80	2.30	280x580
SLX 663 7-2C	2xT26 36W	G13	1196	296	80	4.95	280x1180
SLX 663 7-4A	4xT26 18W	G13	596	596	80	4.95	580x580
SLX 663 7-4C	4xT26 36W	G13	1196	596	80	8.40	580x1180

7: ECG 1: CCG



## Sigro | for recessed mounting | with opal diffuser

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
SLX 661 7-2A	2xT26 18W	G13	596	296	80	2.40	280x580
SLX 661 7-2C	2xT26 36W	G13	1196	296	80	4.15	280x1180
SLX 661 7-4A	4xT26 18W	G13	596	596	80	4.15	580x580
SLX 661 7-4C	4xT26 36W	G13	1196	596	80	9.00	580x1180

7: ECG 1: CCG



mounting bracket

Description

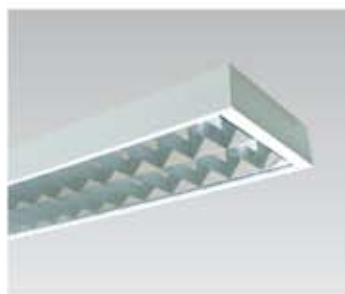
mounting bracket for recessed Sigro luminaires

set of 4

Order No.

SLX 900 0-BRK

## Sigro Mounting Accessories



## Sigro | for surface mounting | with aluminium lamel profiled louver

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LX 852 7-2AR1	2xT26 18W	G13	630	298	80+7	2.7
5LX 852 7-2CR1	2xT26 36W	G13	1230	298	80+7	4.3
5LX 852 7-4AR1	4xT26 18W	G13	630	598	80+7	4.3
5LX 852 7-4CR1	4xT26 36W	G13	1230	598	80+7	8.6

7: ECG 1: CCG

R1: highly specular reflector R2: matt reflector



## Sigro | for surface mounting | with parabolic aluminium profiled louver

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LX 857 7-2AR1	2xT26 18W	G13	630	298	80+7	2.8
5LX 857 7-2CR1	2xT26 36W	G13	1230	298	80+7	4.4
5LX 857 7-4AR1	4xT26 18W	G13	630	598	80+7	4.4
5LX 857 7-4CR1	4xT26 36W	G13	1230	598	80+7	8.7

7: ECG 1: CCG

R1: highly specular reflector R2: matt reflector



## Sigro | for surface mounting | with prismatic or opal diffuser

▽ IP 40 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LX 853 7-2A	2xT26 18W	G13	630	298	80+7	3.0
5LX 853 7-2C	2xT26 36W	G13	1230	298	80+7	4.9
5LX 853 7-4A	4xT26 18W	G13	630	598	80+7	4.9
5LX 853 7-4C	4xT26 36W	G13	1230	598	80+7	9.7

7: ECG 1: CCG

3: prismatic diffuser 1: opal diffuser



## Sigro | for surface mounting | with aluminium parabolic louver (IP20) | with Prismatic/Opal diffuser (IP40)

▽ IP 20 IP 40 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LX 857 7-3TR1	3xTC-L 18W	2G11	326	326	92+7	2.7
5LX 857 7-3SR1	3xTC-SEL/S 11W	2G7	326	326	92+7	2.7
5LX 851 7-3T	3xTC-L 18W	2G11	326	326	92+7	3.7
5LX 851 7-3S	3xTC-SEL 11W	2G7	326	326	92+7	3.7

7: ECG 1: CCG

3: prismatic diffuser 1: opal diffuser 7: with parabolic louver R1: highly specular reflector R2: matt reflector





## Clip-in Luminaires | for recessed mounting | M600 | with parabolic louver

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
pure white (similar to RAL 9010)						
5LX 668 7-3TR1	3xTC-L 18W	2G11	600	600	100	4.15
5LX 668 7-3TR2	3xTC-L 18W	2G11	600	600	100	4.15
7: ECG 1: CCG						
R1: highly specular reflector		R2: matt reflector				



## Clip-in Luminaires | for recessed mounting | with cover-glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
pure white (similar to RAL 9010)						
5LX 668 7-2TD	2xTC-L 18W	2G11	600	600	100	4.50
5LX 668 7-2VD	2xTC-L 24W	2G11	600	600	100	4.50
5LX 668 7-3TD	3xTC-L 18W	2G11	600	600	100	4.80
5LX 668 7-3VD	3xTC-L 24W	2G11	600	600	100	4.80
7: ECG 1: CCG						



## Clip-in Luminaires | for recessed mounting | with suspended glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
pure white (similar to RAL 9010)						
5LX 668 7-2TC	2xTC-L 18W	2G11	600	600	100	4.50
5LX 668 7-2VC	2xTC-L 24W	2G11	600	600	100	4.50
5LX 668 7-3TC	3xTC-L 18W	2G11	600	600	100	4.80
5LX 668 7-3VC	3xTC-L 24W	2G11	600	600	100	4.80
7: ECG 1: CCG						



## Sigro | for recessed mounting | M300 | aluminium parabolic louvre (IP20) or with Prismatic/Opal diffuser (IP40)

▽ IP 20 IP 40 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LX 667 7-3TR1	3xTC-L 18W	2G11	296	296	100	2.50
5LX 667 7-3SR1	3xTC-SEL/S 11W	2G7	296	296	100	2.50
5LX 661 7-2T	2xTC-L 18W	2G11	296	296	100	2.50
5LX 661 7-2S	2xTC-SEL/S 11W	2G7	296	296	100	2.50
7: ECG 1: CCG						
3: prismatic diffuser		1: opal diffuser	7: with parabolic louvre		R1: highly specular reflector	R2: matt reflector



Description	Order No.
metal frame for clip-in ceilings, 600x600 mm, RAL 9016	5LX 661 6-CLP
metal frame for clip-in ceilings, 600x600 mm, RAL 9010	5LX 661 0-CLP
metal frame for clip-in ceilings, 600x600 mm, RAL 9006	5LX 660 6-CLP

## Metal Ceiling Accessories

please add **EMI** (with integral emergency inverter for 1 hour operation) or **EM3** (with integral emergency inverter for 3 hours operation) to the end of order number. Ni-Cd battery for 1h or 3h operation can be applied to all Sigro luminaires

## Siluna

The luminaires of Siluna family create indirect, diffuse and uniform lighting with secondary and perforated primary reflector with an inner opalised special foil. The primary reflector features the same curved design of the secondary reflector and conceals lamps from view. The opalised foil and perforated surface of the primary reflector allow a small decorative light component to pass through, while avoiding direct glare and disturbing light reflections. Siluna luminaires are suitable for all interior applications; in offices, entrance halls, corridors, meeting rooms, hotels, etc.



### Housing Technology

0,5 mm DKP sheet steel housing, electrostatic powder coated white (RAL 9016) | suitable for all ceiling types

### Electrics

Luminaires wired ready for connection; with 3-pole terminal, max. 2,5 mm<sup>2</sup> | with ECG, CCG, or dimmable ballast | suitable for power correction with installed capacitor on request in which CCG is used

### Lighting Technology

- Secondary reflector with symmetrical distribution, coated white with a special matt surface for harmonious and uniform light distribution
- Parabolic semi-specular louver with direct distribution
- Perforated primary reflector with inlaid opalised special foil preventing direct viewing of lamp, direct glare and disturbing reflections





### Secondary luminaire for recessed mounting | M600

With single perforated primary reflector in the middle

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>with ECG</b>							
5LX 666 7-1WO	1xTC-L 36W	2G11	596	596	80+7	3.7	580x580
5LX 666 7-1XO	1xTC-L 40W	2G11	596	596	80+7	3.7	580x580
5LX 666 7-2WO	2xTC-L 36W	2G11	596	596	80+7	4.2	580x580
5LX 666 7-2XO	2xTC-L 40W	2G11	596	596	80+7	4.2	580x580
5LX 666 7-1UO	1xTC-L 55W	2G11	596	596	80+7	3.7	580x580
5LX 666 7-2UO	2xTC-L 55W	2G11	596	596	80+7	4.2	580x580

7: ECG 1: CCG



### Secondary luminaire for recessed mounting | M600

With double perforated primary reflector in the middle

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>with ECG</b>							
5LX 666 7-2WO2	2xTC-L 36W	2G11	596	596	80+7	4.3	580x580
5LX 666 7-2XO2	2xTC-L 40W	2G11	596	596	80+7	4.3	580x580
5LX 666 7-2UO2	2xTC-L 55W	2G11	596	596	80+7	4.3	580x580

7: ECG 1: CCG



### Secondary luminaire for recessed mounting | M600

With double perforated primary reflector in the middle, with direct Cat.2 louver

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>with ECG</b>							
5LX 666 7-2WO2R1	2xTC-L 36W	2G11	596	596	80+7	4.2	580x580
5LX 666 7-2XO2R1	2xTC-L 40W	2G11	596	596	80+7	4.2	580x580
5LX 666 7-2UO2R1	2xTC-L 55W	2G11	596	596	80+7	4.2	580x580
5LX 666 7-3MO2R1	3xT16 14W	G5	596	596	80+7	4.2	580x580

7: ECG 1: CCG



### Secondary luminaire for recessed mounting | M600

With suspended perforated primary reflector in the middle, with direct Cat.2 louver at sides

IP 20

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>with ECG</b>						
5LX 691 7-1W/2A	1xTC-L 36W + 2xT26 18W	596	596	80+7	4.8	580x580
5LX 691 7-1X/2A	1xTC-L 40W + 2xT26 18W	596	596	80+7	4.8	580x580
5LX 691 7-1U/2A	1xTC-L 55W + 2xT26 18W	596	596	80+7	4.8	580x580
5LX 691 7-1U/2M	1xTC-L 55W + 2xT16 14W	596	596	80+7	4.8	580x580
5LX 691 7-1U/2Y	1xTC-L 55W + 2xT16 24W	596	596	80+7	4.8	580x580

7: ECG 1: CCG



Description

mounting bracket for recessed Siluna luminaires

please see page 16 for metal frame

set of 4

Order No.

5LX 900 1-BRK

please add **EM1** (with integral emergency inverter for 1 hour operation) or **EM3** (with integral emergency inverter for 3 hours operation) to the end of order number. Ni-Cd battery for 1h or 3h operation can be applied to all Siluna luminaires



### Secondary luminaire for surface mounting

With suspended perforated primary reflector in the middle

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with ECG</b>						
5LX 861 7-1W	1xTC-L 36W	2G11	630	598	80+7	4.9
5LX 861 7-1X	1xTC-L 40W	2G11	630	598	80+7	4.9
5LX 861 7-2W	2xTC-L 36W	2G11	630	598	80+7	5.1
5LX 861 7-2X	2xTC-L 40W	2G11	630	598	80+7	5.1
5LX 861 7-1U	1xTC-L 55W	2G11	630	598	80+7	4.9
5LX 861 7-2U	2xTC-L 55W	2G11	630	598	80+7	5.1

7: ECG 1: CCG



### Secondary luminaire for surface mounting

With single perforated primary reflector in the middle

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with ECG</b>						
5LX 866 7-1WO	1xTC-L 36W	2G11	630	598	80+7	4.7
5LX 866 7-1XO	1xTC-L 40W	2G11	630	598	80+7	4.7
5LX 866 7-2WO	2xTC-L 36W	2G11	630	598	80+7	5.2
5LX 866 7-2XO	2xTC-L 40W	2G11	630	598	80+7	5.2
5LX 866 7-1UO	1xTC-L 55W	2G11	630	598	80+7	4.7
5LX 866 7-2UO	2xTC-L 55W	2G11	630	598	80+7	5.2

7: ECG 1: CCG



### Secondary luminaire for surface mounting

With double perforated primary reflector in the middle

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with ECG</b>						
5LX 866 7-2WO2	2xTC-L 36W	2G11	630	598	80+7	5.3
5LX 866 7-2XO2	2xTC-L 40W	2G11	630	598	80+7	5.3
5LX 866 7-2UO2	2xTC-L 55W	2G11	630	598	80+7	5.3

7: ECG 1: CCG



### Secondary luminaire for surface mounting

With double perforated primary reflector in the middle, with direct Cat.2 louver

IP 20

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with ECG</b>						
5LX 866 7-2WO2R1	2xTC-L 36W	2G11	630	598	80+7	5.2
5LX 866 7-2XO2R1	2xTC-L 40W	2G11	630	598	80+7	5.2
5LX 866 7-2UO2R1	2xTC-L 55W	2G11	630	598	80+7	5.2

7: ECG 1: CCG

please add **EM1** (with integral emergency inverter for 1 hour operation) or **EM3** (with integral emergency inverter for 3 hours operation) to the end of order number. Ni-Cd battery for 1h or 3h operation can be applied to all Siluna luminaires

## Clean Room Luminaires

Clean room luminaires are equipped either with aluminium profiled or parabolic aluminium profiled louvers that can be fitted with frosted or clean glass. Luminaires are suitable for all types of ceiling systems with easy mounting and have been designed especially for use in hospitals, laboratories, operating rooms, sterile stores, food processing areas, computer industry or similar environments.



### Housing Technology

0,5 mm DKP sheet steel housing, electrostatic powder coated white (RAL 9016) | suitable for various ceiling types | tempered glass is fixed in position with screws



### Electrics

Luminaires wired ready for connection; with 3-pole terminal, max. 2,5 mm<sup>2</sup> | with ECG, CCG, or dimmable ballast | suitable for power correction with installed capacitor on request in which CCG is used

### Lighting Technology

- Highly specular anodised aluminium louvre, CAT (L<sub>s</sub> 1000cd/m<sup>2</sup>)
- Ribbed aluminium cross blade louvre



### Clean Room Luminaires, IP54 | for recessed mounting | M600 | with ECG or CCG



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>frosted glass, conventional control gear (CCG)</b>							
5LX 661 1-H4A	4xT26 18W	G13	596	596	80	7.0	580x580
<b>clean glass+aluminum profiled louver, conventional control gear (CCG)</b>							
5LX 662 1-H4AR1	4xT26 18W	G13	596	596	80	8.0	580x580
<b>clean glass+parabolic aluminum profiled louver, conventional control gear (CCG)</b>							
5LX 667 1-H4AR1	4xT26 18W	G13	596	596	80	8.0	580x580
<b>frosted glass, high frequency electronic control gear (ECG)</b>							
5LX 661 7-H4A	4xT26 18W	G13	596	596	80	6.4	580x580
<b>clean glass +aluminum profiled louver, high frequency electronic control gear (ECG)</b>							
5LX 662 7-H4AR1	4xT26 18W	G13	596	596	80	7.4	580x580
<b>clean glass+parabolic aluminum profiled louver, high frequency electronic control gear (ECG)</b>							
5LX 667 7-H4AR1	4xT26 18W	G13	596	596	80	7.4	580x580

## Comfit

The luminaires of Comfit family create diffuse and uniform lighting with high performance BAP60/Cat.2 parabolic louvers and with the use of T16 lamp. Comfit family includes recessed and surface mounted types, along with the ceiling washers and continuous row luminaires. All of them are suitable for indoor applications, especially in offices, entrance halls, corridors, hospitals, etc.



### Housing Technology

0,5 mm DKP sheet steel housing, electrostatic powder coated | suitable for various ceiling types, with their low recess depth

### Electrics

Luminaires wired ready for connection; with 3-pole terminal, max. 2,5 mm<sup>2</sup> | with ECG, CCG, or dimmable ballast | further electrical equipments on request

### Lighting Technology

• Uniform lighting, avoiding glare with BAP60/Cat.2 parabolic louver and T16 or T26 fluorescent lamps



## Comfit | for recessed mounting | M600



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
with ECG, with BAP60/Cat.2 parabolic louver							
5LX 12B 7-2M	2xT16 14W	G5	596	596	51+7	3.9	340x575
5LX 12B 7-3M	3xT16 14W	G5	596	596	51+7	4.9	540x575
5LX 12B 7-4M	4xT16 14W	G5	596	596	51+7	4.7	540x575
5LX 12B 7-2Y	2xT16 24W	G5	596	596	51+7	3.9	340x575
5LX 12B 7-3Y	3xT16 24W	G5	596	596	51+7	4.9	540x575
5LX 12B 7-4Y	4xT16 24W	G5	596	596	51+7	4.7	540x575



## Comfit | for recessed mounting | M600 | for metal ceilings (clip-in luminaire)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with ECG, with BAP60/Cat.2 parabolic louver, pure white (similar to RAL9010)						
5LX 66B 7-2M	2xT16 14W	G5	600	600	51+7	4.1
5LX 66B 7-3M	3xT16 14W	G5	600	600	51+7	5.0
5LX 66B 7-4M	4xT16 14W	G5	600	600	51+7	4.8
5LX 66B 7-2Y	2xT16 24W	G5	600	600	51+7	4.1
5LX 66B 7-3Y	3xT16 24W	G5	600	600	51+7	5.0
5LX 66B 7-4Y	4xT16 24W	G5	600	600	51+7	4.8



## Comfit | for surface mounting



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with ECG, with BAP60/Cat.2 parabolic louver						
5LX 87B 7-3M	3xT16 14W	G5	592	581	52+8	5.5
5LX 87B 7-4M	4xT16 14W	G5	592	581	52+8	5.3
5LX 87B 7-3Y	3xT16 24W	G5	592	581	52+8	5.5
5LX 87B 7-4Y	4xT16 24W	G5	592	581	52+8	5.3



## Comfit Mounting Accessories



mounting bracket

Description	Order No.
mounting bracket for recessed Comfit luminaires	set of 4 5LX 900 2-BRK



### Comfit Plus | for surface mounting



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with ECG, with BAP60/Cat.2 parabolic louvre						
5LX 87B 7-1M	1xT16 14W	G5	592	145	51+7	2.2
5LX 87B 7-1N	1xT16 21W	G5	892	145	51+7	2.5
5LX 87B 7-1Y	1xT16 24W	G5	592	145	51+7	2.2
5LX 87B 7-1P	1xT16 28W	G5	1192	145	51+7	2.9
5LX 87B 7-1J	1xT16 54W	G5	1192	145	51+7	2.9
5LX 87B 7-1R	1xT16 35W	G5	1492	145	51+7	3.3
5LX 87B 7-2M	2xT16 14W	G5	592	229	51+7	3.8
5LX 87B 7-2N	2xT16 21W	G5	892	229	51+7	4.5
5LX 87B 7-2Y	2xT16 24W	G5	592	229	51+7	3.8
5LX 87B 7-2P	2xT16 28W	G5	1192	229	51+7	5.5
5LX 87B 7-2J	2xT16 54W	G5	1192	229	51+7	5.5
5LX 87B 7-2R	2xT16 35W	G5	1492	229	51+7	6.1



### Comfit Plus | for recessed mounting



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
with ECG, with BAP60/Cat.2 parabolic louvre							
5LX 37B 7-1M	1xT16 14W	G5	596	109	75	0.8	585x98
5LX 37B 7-1N	1xT16 21W	G5	892	109	75	1.0	891x98
5LX 37B 7-1Y	1xT16 24W	G5	596	109	75	0.8	585x98
5LX 37B 7-1P	1xT16 28W	G5	1196	109	75	1.2	1185x98
5LX 37B 7-1J	1xT16 54W	G5	1196	109	75	1.2	1185x98
5LX 37B 7-2M	2xT16 14W	G5	596	193	75	1.5	585x182
5LX 37B 7-2N	2xT16 21W	G5	892	193	75	2.1	881x182
5LX 37B 7-2Y	2xT16 24W	G5	596	193	75	1.5	585x182
5LX 37B 7-2P	2xT16 28W	G5	1196	193	75	3.1	1185x182
5LX 37B 7-2J	2xT16 54W	G5	1196	193	75	3.1	1185x182



### Wall washer for recessed mounting



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
with T16 or T26 fluorescent lamps, asymmetrical distribution							
5LX 702 7-1A	1xT26 18W	G13	596	185	80	0.8	580x170
5LX 702 7-1C	1xT26 36W	G13	1196	185	80	2.2	1180x170
5LX 702 7-1M	1xT16 14W	G5	596	195	55	0.6	580x180
5LX 702 7-1P	1xT16 28W	G5	1196	195	55	1.8	1180x180
5LX 702 7-1J	1xT16 54W	G5	1196	195	55	1.8	1180x180

7: ECG 1: CCG



### Wall washer for surface mounting



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
with T16 or T26 fluorescent lamps, asymmetrical distribution						
5LX 712 7-1A	1xT26 18W	G13	623	210	80+7	1.9
5LX 712 7-1C	1xT26 36W	G13	1248	210	80+7	3.8
5LX 712 7-1M	1xT16 14W	G5	596	205	65	1.8
5LX 712 7-1P	1xT16 28W	G5	1230	205	65	2.4
5LX 712 7-1J	1xT16 54W	G5	1230	205	65	2.4

7: ECG 1: CCG



## Comfit XSL | continuous row luminaire for recessed mounting

▽ IP 20 ⚡

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>with ECG, with BAP60/Cat.2 parabolic louver/opal diffuser</b>							
5LX 418 7-1P	1xT16 28W	G5	1177	109	84	3.0	90x1182
5LX 418 7-1J	1xT16 54W	G5	1177	109	84	3.0	90x1182
5LX 418 7-1R	1xT16 35W	G5	1477	109	84	3.5	90x1482
5LX 418 7-1F	1xT16 49W	G5	1477	109	84	3.5	90x1482
5LX 418 7-1X	1xT16 80W	G5	1177	109	84	3.5	90x1482
5LX 418 7-2P	2xT16 28W	G5	1177	193	84	5.7	175x1182
5LX 418 7-2J	2xT16 54W	G5	1477	193	84	5.7	175x1182
5LX 418 7-2R	2xT16 35W	G5	1477	193	84	5.9	175x1482
5LX 418 7-2F	2xT16 49W	G5	1477	193	84	5.9	175x1482
5LX 418 7-2X	2xT16 80W	G5	1477	193	84	5.9	175x1482

B: double parabolic

W: opal diffuser



## Comfit XSL | continuous row luminaire for recessed mounting

▽ IP 20 ⚡

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
<b>with ECG, with BAP60/Cat.2 parabolic louver/opal diffuser</b>							
5LX 418 7-1C	1xT26 36W	G13	1230	109	100	3.8	90x1252
5LX 418 7-1E	1xT26 58W	G13	1526	109	100	4.8	90x1552
5LX 418 7-2C	2xT26 36W	G13	1230	193	100	4.6	175x1252
5LX 418 7-2E	2xT26 58W	G13	1526	193	100	5.8	175x1552

B: double parabolic

W: opal diffuser



## Comfit XSL Mounting Accessories



Description	Order No.
end cap for single lamp luminaire, M600, L=10.5 mm	set of 2 5LX 900 1-1
end cap for twin lamp luminaire, M600, L=10.5 mm	set of 2 5LX 900 2-1

## Comfolight®

The luminaires of Comfolight® family are characterised by a clear and elegant design and their wide spectrum of application possibilities. Using nodes and angle connectors, system arrangements and continuous rows with an uninterrupted louver optics can be installed. The wallwasher type is equipped with energy-efficient T16 fluorescent lamps and wallwasher reflector, which create direct, asymmetrical light distribution for homogenous, deep illumination of walls and ceilings.

### Housing Technology

Extruded aluminium housing, metallic grey (RAL 9006), | sheet steel angle connectors, aluminium central node and node connector, for self-supporting connections to luminaire housings | graphite (similar to RAL 7037) dyed plastic covers for angle connectors and variable nodes | end caps of die cast zinc in the color of the housing or of dyed plastic in graphite | louvers are mounted tool-free and are held in the housing with springs. When suspended, they are secured with safety retaining cords and earthed for protection.

### Electrics

Luminaire modules wired ready for connection | with 3-pole terminal block (HFG dimming: 3-pole + 2 pole for control signal), max. 2.5 mm<sup>2</sup> | with HFG, HFG dimming | further electrical equipment on request. Luminaires wired ready for connection | with 3-pole terminal (ECG DALI or ECG dimming: 2-pole and 3-pole for control signal), max. 2.5 mm<sup>2</sup> | with ECG, ECG DALI or ECG dimming (1...10V) | further electrical equipment on request

### Lighting Technology

- Specular louver, highly reflective anodised, reflectivity enhanced BAP(65°/200cd/m<sup>2</sup>)
- Specular louver, aluminum, highly reflective anodised BAP(65°/1000cd/m<sup>2</sup>)
- Specular louver, aluminum, matt anodised BAP(65°/1000cd/m<sup>2</sup>)
- Extruded aluminium ribbed cross-blade louver, matt anodised
- Wallwasher, matt anodised, asymmetric distribution, for uniform wall, shelf or panel illumination
- Housing closed on underside, matt anodised reflector, and indirect wide beam
- Wall washer- Semi-specular wallwasher with asymmetric distribution for uniform illumination of walls or panels





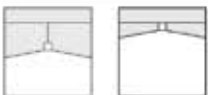


### Comfolight® | with BAP65 specular louvre

Single / continuous luminaire for suspended mounting, with BAP65 highly specular louvre, reflectivity enhanced



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct/indirect distribution, metallic grey (RAL 9006) , extruded aluminium housing</b>						
SLF 642 7-1P	1xT16 28W	G5	1191	125	52	3.1
SLF 642 7-1R	1xT16 35W	G5	1491	125	52	3.5
SLF 642 7-1F	1xT16 49W	G5	1491	125	52	3.5
SLF 642 7-1J	1xT16 54W	G5	1191	125	52	3.1
SLF 642 7-1X	1xT16 80W	G5	1491	125	52	3.5
SLF 642 7-5P	2xT16 28W	G5	1191	125	52	3.3
SLF 642 7-5R	2xT16 35W	G5	1491	125	52	3.7
SLF 642 7-5J	2xT16 54W	G5	1191	125	52	3.3
7: ECG	6: ECG (1..10 V)	2: highly specular	4: Matt			



### Comfolight® | with BAP65 specular louvre, matt anodised

Continuous row luminaire for suspended or surface mounting, with BAP65 specular louvre, matt anodised



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct distribution, with ECG, metallic grey (RAL 9006) , extruded aluminium housing</b>						
SLF 614 7-1P	1xT16 28W	G5	1191	125	52	3.2
SLF 614 7-1R	1xT16 35W	G5	1491	125	52	3.6
SLF 614 7-1F	1xT16 49W	G5	1491	125	52	3.6
SLF 614 7-1J	1xT16 54W	G5	1191	125	52	2.0
SLF 614 7-1X	1xT16 80W	G5	1491	125	52	3.6
<b>direct/indirect distribution, with ECG, metallic grey (RAL 9006) , extruded aluminium housing</b>						
SLF 62B 7-3P	3xT16 28W	G5	1191	153	52	5.0
SLF 62B 7-3PH5007	3xT16 28W	G5	1191	153	52	6.2



### Comfolight® | with wallwasher for wall and panel illumination

For single or continuous row arrangements for surface or suspended mounting, with semi-specular wallwasher



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct asymmetrical distribution, metallic grey (RAL 9006) , extruded aluminium housing</b>						
SLF 619 7-1P	1xT16 28W	G5	1191	153	52	3.5
SLF 619 7-1R	1xT16 35W	G5	1491	153	52	3.9
SLF 619 7-1F	1xT16 49W	G5	1491	153	52	3.9
SLF 619 7-1J	1xT16 54W	G5	1491	153	52	3.5
SLF 619 7-1X	1xT16 80W	G5	1491	153	52	3.9
7: ECG	6: ECG (1..10 V)					



### Comfolight® | housing closed on underside | indirect distribution

Single / continuous luminaire for suspended mounting, with highly specular reflector, indirect distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>indirect distribution, with ECG, metallic grey (RAL 9006) , extruded aluminium housing</b>						
SLF 650 7-1P	1xT16 28W	G5	1447	125	52	3.7
SLF 650 7-5P	2xT16 28W	G5	1447	125	51+7	3.7
SLF 650 7-1J	1xT16 54W	G5	1447	125	52	3.7
SLF 650 7-5J	2xT16 54W	G5	1447	125	51+7	3.7

# Lightpane

The Lightpane suspended luminaire is characterised by an ultra-flat construction and translucent appearance. The direct component is directed through a 4 mm thick, multi-folded perforated sheet aluminium reflector and a 6 mm thick glass plate with an impressed ceramic structure below.

The combination of exclusive design, a high indirect component, glare-free direct distribution and efficient T16 fluorescent light sources makes the Lightpane an elegant light object for the glare-free illumination of DSE workstations according to current standards.

## Housing Technology

Luminaire construction with two layers: Under side: glass with ceramic-screen-printing, upper side: refined, perforated sheet reflector contours enclosed in a slim extruded anodised aluminium frame | triple wire suspension, suitable for metal and plasterboard ceilings

## Electrics

Luminaires wired ready for connection | with 3-pole terminal (ECG DALI or ECG dimming: 3-pole and 2-pole for control signal), max. 2.5 mm<sup>2</sup> | connection cable with transparent insulation | with ECG, ECG DALI or ECG dimming (1...10V) | further electrical equipment on request

## Lighting Technology

Light distribution: indirect/direct distribution (10 % : 90 %) | CAT(L≤ 1000cd/m<sup>2</sup>)



## Lightpane

indirect/direct distribution, CAT (L≤ 1000cd/m<sup>2</sup>), with CAT 2 lighting technology

▽ IP 20 ⊕ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>aluminium extruded section, anodised</b>						
5LM 375 7-2RL1S1	2xT16 35W	G5	1565	242	48	9.0
5LM 375 7-2XL1S1	2xT16 80W	G5	1565	242	48	9.5
7: ECG	6: ECG (1...10V)	D: ECG (DALI)				

# SILUETTE®

Suspended and surface mounted luminaires of Siluette family, with a high quality prismatic optic or diffuser optic, creates a homogenous, diffuse light distribution for good room illumination. The various luminaire enclosures of transparent frosted or opal PMMA are convex in form.

## Lighting Technology

- Transparent enclosure features HDP® and symmetric distribution reflector | direct wide distribution with ceiling illumination | UGR < 16 to < 19
- Opal enclosure features inner prismatic structure | direct distribution with ceiling illumination | UGR < 19 to < 22
- Frosted enclosure features inner prismatic structure | direct distribution with ceiling illumination | UGR < 19 to < 25



## Housing Technology

Housing of torsionally rigid formed sheet steel, coated metallic grey (RAL 9006) or pure white (similar to RAL 9010) to choice | with fitted plastic end caps, graphite (RAL 7037) or pure white | diffusers of non-yellowing PMMA, completely recyclable | incl. quick-fit mounting bracket for luminaire mounting (2 pieces)

## Electrics

Luminaires wired ready for connection | with 5-pole terminal (ECG DALI or ECG dimming: 3-pole and 2-pole for control signal), max. 2.5mm² | with ECG, ECG DALI or ECG dimming (L...10 V) | cable entry from above at luminaire centre with snap-in terminal cover



## Silhouette® for single or continuous row mounting | with frosted diffuser optics

Sheet steel housing, metallic grey (RAL 9006), laterally overlapping PMMA enclosure flush with end caps



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct wide distribution with ceiling illumination, with ECG Multiwatt</b>						
5MJ 222 7-1B	1xT16 14/24W	G5	592	214	76	2.1
5MJ 222 7-1H	1xT16 28/54W	G5	1192	214	76	4.0
5MJ 222 7-1Q	1xT16 35/49/80W	G5	1412	214	76	4.9
5MJ 222 7-2B	2xT16 14/24W	G5	592	214	76	2.2
5MJ 222 7-2H	2xT16 28/54W	G5	1192	214	76	4.1
5MJ 222 7-2Q	2xT16 35/49/80W	G5	1412	214	76	5.0



## Silhouette® for single or continuous row mounting | with opal diffuser optics

Sheet steel housing, pure white (RAL 9010), laterally overlapping PMMA enclosure flush with end caps



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct wide distribution with ceiling illumination, with ECG Multiwatt</b>						
5MJ 211 7-1B	1xT16 14/24W	G5	592	214	76	2.5
5MJ 211 7-1H	1xT16 28/54W	G5	1192	214	76	4.2
5MJ 211 7-1Q	1xT16 35/49/80W	G5	1412	214	76	5.1
5MJ 211 7-2B	2xT16 14/24W	G5	592	214	76	2.6
5MJ 211 7-2H	2xT16 28/54W	G5	1192	214	76	4.2
5MJ 211 7-2Q	2xT16 35/49/80W	G5	1412	214	76	5.2

for luminaires with transparent HDP enclosure, luminaires for single mounting, and accessories, please contact with sales department



Suspended and Surface-Mounted Downlights



**Lunis R®**  
Page 38



**Lunis R®**  
Page 38



**Eco Servus**  
Page 46

Recessed Downlights



**Lunis®**  
Page 32



**Lunis® E**  
Page 33



**Lunis® M**  
Page 34



**Lunis R®**  
Page 38



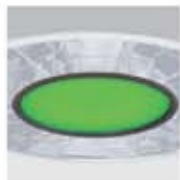
**Square Downlight**  
Page 41



**Eco Servus**  
Page 44



**Compact Downlight**  
Page 48



**Lunis R®**  
Page 38



**Eco Servus**  
Page 45



**Lunis R®**  
Page 38

Further Product Ranges



**Lunis® C**



**Lunis® C**  
Semi-recessed



**NJ200**



**Lunis® SL**



**Lunis® EH**

## Lunis®

The recessed downlights of the Lunis® family offer extremely wide-range possibilities for planning flexibility. With a modular construction of reflector, attachment ring and separate control gear unit, any installation situation can be simply solved. With the separating of reflector unit and ballast, the ceiling load is reduced. A wide variety of mounting accessories eases installation within differing ceiling systems. Additional flexibility exists with the wide range of optical and decorative accessories that enable many lighting design tasks to be solved.

### Housing Technology

Modular construction consisting of reflector, mounting ring and separate control gear unit for placing or suspending in ceiling cavity | black sheet steel reflector mounting ring | tool-free three-point clamp attachment | reflector and visible reflector flange of aluminium, with variations for HIT-CE lamps with recessed cover of toughened safety glass | reflector capsule and cover of control gear unit of black plastic | all components mounted without tools | cover, float glass and glass ring of toughened safety glass; PMMA ring prismatic, turbo louvre and cross louvre of highly specular anodised aluminium; ring louvre of high-performance polymer (PBT), highly specular vaporized

### Electrics

Luminaires wired ready for connection | separate control gear unit with 3-pole mains terminal (ECG DALI or ECG dimming: 3-pole and 2-pole for control signal), max. 2.5 mm<sup>2</sup> | variation for compact fluorescent lamps (TC-TEL): with ECG, ECG DALI or ECG dimming; control gear unit and downlight with fixed wiring, L = 0.5 m | variation for metal halide lamps (HIT-CE): for ECG; control gear unit with pre-assembled cable with plug connection to downlight, L = 0.5 m (please order control gear unit separately) | with plug connection to downlight | further electrical equipment on request



### Lighting Technology

- Narrow, medium, wide or extremely wide distribution reflector
- Asymmetrical medium or asymmetrical wide distribution wallwasher reflector
- Extremely wide distribution reflector with turbo louvre for glare reduction according to CAT(L<= 1000cd/m<sup>2</sup>) and additional accent light via low voltage reflector lamp within louvre cone The lighting technology can be varied individually with optical-decorative accessories
- Cover and float glass, transparent, partly or completely frosted
- Glass ring, choice of blue cobalt glass or colourless matt float glass
- Coaxial optic with circular frosted glass cover and additional reflector
- Turbo louvre and cross louvre for glare reduction according to CAT(L<= 1000cd/m<sup>2</sup>) for extremely wide distribution Lunis® E
- Ring louvre for glare reduction for wide distribution and extremely wide distribution Lunis® E

**LUNIS®**

Recessed downlight, semispecular reflector, CAT(L $\leq$  1000cd/m<sup>2</sup>), narrow or medium distribution, sheet steel mounting ring



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>medium distribution, semispecular</b>						
5LR 122 0-1JA51	1xHIT-CE max. 150W	G12	180	162	130	0.7

**narrow distribution, semispecular**

5LR 122 0-1SA51	1xHST-CRI max. 100W	GX12-1	180	162	130	0.5
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please order gearbox separately

**LUNIS®**

Recessed downlight, highly specular reflector, CAT(L $\leq$  1000cd/m<sup>2</sup>), wide or extremely wide distribution, sheet steel mounting ring

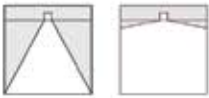


Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>wide distribution, highly specular</b>						
5LR 112 7-1FA51	1xTC-DEL 13W	G24q-1	180	162	130	1.3
5LR 112 7-1GA51	1xTC-DEL 18W	G24q-2	180	162	130	1.3
5LR 112 7-2FA51	2xTC-DEL 13W	G24q-1	180	162	130	1.4
5LR 112 7-2GA51	2xTC-DEL 18W	G24q-2	180	162	130	1.5
5LR 112 7-1LA51	1xTC-TEL 26W	GX24q-3	180	162	130	1.4
5LR 112 7-2LA51	2xTC-TEL 26W	GX24q-3	180	162	130	1.7

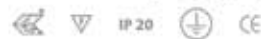
**extremely wide distribution, highly specular**

5LR 114 7-1FA61	1xTC-DEL 13W	G24q-1	230	212	115	1.5
5LR 114 7-1GA61	1xTC-DEL 18W	G24q-2	230	212	115	1.5
5LR 114 7-2FA61	2xTC-DEL 13W	G24q-1	230	212	115	1.6
5LR 114 7-2GA61	2xTC-DEL 18W	G24q-2	230	212	115	1.6
5LR 114 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	115	1.6
5LR 114 7-2VA61	2xTC-TEL 26/32W	GX24q-3	230	212	115	1.8

7: ECG    D: ECG (DALI)    6: ECG (1..10V)    (Multiwatt lamp for downlights with extremely wide distribution)

**LUNIS®**

Recessed downlight, highly specular faceted reflector, CAT(L $\leq$  1000cd/m<sup>2</sup>), wide distribution, sheet steel mounting ring



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
5LR 134 7-1FA61	1xTC-DEL 13W	G24q-1	230	212	115	1.2
5LR 134 7-1GA61	1xTC-DEL 18W	G24q-2	230	212	115	1.5
5LR 134 7-2FA61	2xTC-DEL 13W	G24q-1	230	212	115	1.6
5LR 134 7-2GA61	2xTC-DEL 18W	G24q-2	230	212	115	1.6
5LR 134 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	115	1.5
5LR 134 7-2VA61	2xTC-TEL 26/32W	GX24q-3	230	212	115	1.6

7: ECG Multiwatt    D: ECG Multiwatt(DALI)    6: ECG Multiwatt(1..10V)





### LUNIS® E

Recessed downlight, highly specular reflector with VirtualSource® technology



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>wide distribution</b>						
5LR 411 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	300	1.2
5LR 414 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	190	1.8
5LR 414 7-2VA61	2xTC-TEL 26/32W	GX24q-3	230	212	190	2.1
5LR 414 7-1KA61	1xTC-TEL 18W	GX24q-2	230	212	190	1.9
5LR 414 7-2KA61	2xTC-TEL 18W	GX24q-2	230	212	190	1.9

#### extremely wide distribution

5LR 418 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	135	1.6
5LR 418 7-2VA61	2xTC-TEL 26/32W	GX24q-3	230	212	135	1.6
5LR 418 7-1KA61	1xTC-TEL 18W	GX24q-2	230	212	135	1.6
5LR 418 7-2KA61	2xTC-TEL 18W	GX24q-2	230	212	135	1.6

7: ECG Multiwatt D: ECG Multiwatt (DALI) 6: ECG Multiwatt (L-10V)

for downlights with semi-specular reflector, please contact with sales department



### LUNIS® E

Recessed downlight, highly or semi specular reflector with VirtualSource® technology, asymmetric distribution



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>asymmetric medium distribution, semi-specular</b>						
5LR 426 0-1HA61	1xHIT-CE max. 70W	G12	230	212	190	1.5
5LR 426 0-1RA61	1xHST-CRI 50W	GX12-1	230	212	190	1.5

#### asymmetric wide distribution, semi-specular

5LR 425 0-1JA61	1xHIT-CE max. 150W	G12	230	212	300	1.5
5LR 425 0-1SA61	1xHST-CRI max. 100W	GX12-1	230	212	300	1.5

#### asymmetric wide distribution, highly specular

5LR 416 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	190	1.6
5LR 416 7-2VA61	2xTC-TEL 26/32W	GX24q-3	230	212	190	1.6
5LR 415 7-1VA61	1xTC-TEL 26/32W	GX24q-3/4	230	212	300	1.6

7: ECG Multiwatt D: ECG Multiwatt (DALI) 6: ECG Multiwatt (L-10V)



### LUNIS® E

Recessed downlight, highly specular faceted reflector with VirtualSource® technology, wide distribution



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
5LR 434 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	190	1.2
5LR 434 7-2VA61	2xTC-TEL 26/32W	GX24q-3/4	230	212	190	1.6
5LR 434 7-1KA61	1xTC-TEL 18W	GX24q-2	230	212	190	1.2
5LR 434 7-2KA61	2xTC-TEL 18W	GX24q-2	230	212	190	1.6

7: ECG Multiwatt D: ECG Multiwatt (DALI) 6: ECG Multiwatt (L-10V)

3: faceted 4: matt ALUSOFT



**LUNIS® M**

Recessed downlight, with highly or semi-specular reflector, narrow or wide distribution, sheet steel galvanized housing



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>narrow distribution, highly specular</b>						
SLR 118 0-1LF31	1xHIT-TC-CE max. 70W	G8.5	117	100	137	0.5
SLR 117 0-1LF41	1xHIT-TC-CE max. 70W	G8.5	142	125	161	0.4

**wide distribution, highly specular**

SLR 118 0-1FD31	1xQT12 max. 75W	GY6.35	117	100	107	0.4
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**medium distribution, highly specular**

SLR 117 0-1FD41	1xQT12 max. 75W	GY6.35	142	125	124	0.5
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**1: highly specular    2: semi specular**

**LUNIS® M | with polished SWAROVSKI® lead crystal ring**

Recessed downlight, with semi-specular reflector, wide distribution, sheet steel galvanized housing



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
SLR 128 0-1LF36	1xHIT-TC-CE max. 70W	G8.5	125	100	137	0.8
SLR 128 0-1FD36	1xQT12 max. 75W	GY6.35	125	100	107	0.7

**LUNIS® M | with frosted glass ring**

Recessed downlight, semi-specular reflector, wide distribution, with suspended matt glass ring, blue or colorless



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>opal, frosted</b>						
SLR 128 0-1LF37	1xHIT-TC-CE max. 70W	G8.5	125	100	137	0.5
SLR 128 0-1FD37	1xQT12 max. 75W	GY6.35	125	100	107	0.5

**cobalt blue, frosted**

SLR 128 0-1LF38	1xHIT-TC-CE max. 70W	G8.5	125	100	137	0.5
SLR 128 0-1FD38	1xQT12 max. 75W	GY6.35	125	100	107	0.5

**LUNIS® M | wallwasher**

Recessed downlight, semi-specular reflector, asymmetric medium distribution, sheet steel galvanized housing



Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
SLR 128 0-1LF39	1xHIT-TC-CE max. 70W	G8.5	117	100	100	0.6
SLR 128 0-1FD39	1xQT12 max. 75W	GY6.35	117	100	70	0.5





turbo louvre

cross louvre

ring louvre

decorative ring,  
exclusivefloat glass  
"exclusive"coaxial optic  
"exclusive"cover glass, tp44  
"exclusive"prismatic ring cover, tp44  
"exclusive"

float glass "standard"



glass ring "standard"

decorative ring  
"standard"

Description	Order No.
turbo louvre Ø 230 mm for glare control	5LR 941 6-1AA
cross louvre Ø 230 mm for glare control	5LR 941 6-1AD
ring louvre Ø 230 mm for glare control	5LR 941 6-1AB
ring louvre Ø 180 mm for glare control	5LR 941 5-1AB

– only suitable for downlights with wide or extremely wide distribution and highly specular or matt reflector (5LR112... | 5LR122 | 5LR114... | 5LR424... | 5LR418...), and for downlights with compact fluorescent lamps (TC...)

Description	Order No.
decorative ring, coated brilliant white RAL 9010 Ø 240 mm	5LR 954 6-AHP
decorative ring, coated brilliant white RAL 9010 Ø 190 mm	5LR 954 5-AHP

A: coated brilliant white RAL 9010 B: coated metallic grey RAL 9006 C: aluminium, brushed and anodised

Description	Order No.
float glass with decorative ring, coated, brilliant white RAL 9010	
disc frosted in central area	5LR 954 6-AEJ
disc ring-frosted	5LR 954 6-AEK
disc completely frosted	5LR 954 6-AEL

A: coated brilliant white RAL 9010 B: coated metallic grey RAL 9006 C: aluminium, brushed and anodised

6: Ø 240 mm 5: Ø 190 mm – not suitable for downlights with wallwasher (5LR4.5... | 5LR4.6...)

Description	Order No.
coaxial reflector segment fitted within decorative ring, coated, brilliant white	
glass ring opal, frosted, Ø 240 mm	5LR 944 6-AEQ
glass ring cobalt blue, frosted, Ø 240 mm	5LR 944 6-AFQ

A: coated brilliant white RAL 9010 B: coated metallic grey RAL 9006 C: aluminium, brushed and anodised

Description	Order No.
cover glass, IP44, fitted in decorative ring, coated brilliant white RAL 9010	
disc frosted in central area	5LR 954 6-AEB
disc ring-frosted	5LR 954 6-AEF
disc completely frosted	5LR 954 6-AEE
disc transparent	5LR 954 6-AEA

A: coated brilliant white RAL 9010 B: coated metallic grey RAL 9006 C: aluminium, brushed and anodised

6: Ø 240 mm 5: Ø 190 mm – not suitable for downlights with wallwasher (5LR4.5... | 5LR4.6...)

Description	Order No.
prismatic ring cover of PMMA, Ø 240 mm	5LR 944 6-ADT

A: coated brilliant white RAL 9010 B: coated metallic grey RAL 9006 C: aluminium, brushed and anodised

– only suitable for downlights with compact fluorescent lamps (TC...)

– not suitable for downlights with wallwasher (5LR4.5... | 5LR4.6...)

Description	Order No.
disc frosted in central area	5LR 951 6-3EJ
disc ring-frosted	5LR 951 6-3EK
disc completely frosted	5LR 951 6-3EL

6: Ø 230 mm 5: Ø 180 mm

Description	Order No.
glass ring, opal, frosted	5LR 951 6-3ES
glass ring, cobalt blue, frosted	5LR 951 6-6ES
decorative ring, white	5LR 953 6-4CP

6: Ø 230 mm 5: Ø 180 mm

Description	Order No.
decorative ring, white	5LR 953 6-4CP

6: Ø 230 mm 5: Ø 180 mm



IP44 cover glass  
"standard"



IP54 cover glass  
"standard"



electronic  
transformer

ECG unit

Description	Order No.
cover glass IP44	
disc frosted in central area	5LR 951 6-3EB
disc ring-frosted	5LR 951 6-3EF
disc completely frosted	5LR 951 6-3EE
disc frosted in central area	5LR 951 6-3EA
6: Ø 230 mm 5: Ø 180 mm	

– for downlights with wallwasher (SLR4 . 5.. | SLR4 . 6..), only transparent cover disc is recommended

Description	Order No.
cover glass IP54	
disc frosted in central area	5LR 951 6-3ED
disc ring-frosted	5LR 951 6-3EH
disc completely frosted	5LR 951 6-3EG
disc frosted in central area	5LR 951 6-3EC
6: Ø 230 mm 5: Ø 180 mm	

– for downlights with wallwasher (SLR4 . 5.. | SLR4 . 6..), only transparent cover disc is recommended

Description	Order No.
electronic transformer for 35...105W	5NZ 508 4
ECG unit for HIT or HIT-CE lamps	
ECG for HIT-CE 35W	5NG 160 7-6L
ECG for HIT-CE 70W	5NG 160 7-7L
ECG for HIT-CE 150W	5NG 160 7-8L



## Lunis R®

The compact, only 70 mm high surface-mounted or recessed downlights of the Lunis R® family are characterised by a combination of a high-performance, energy-efficient T16 circular fluorescent lamp and various optical accessories. A special recessed module in the centre of the luminaire accommodates numerous additional components such as loudspeakers, air-handling elements, colored light sources, LED downlights or emergency light.

### Housing Technology

Modular construction of circular downlight with separate gearbox, various optical enclosures and a large selection of central modules: housing and reflector for circular downlight of ultra-pure aluminum (Al 99,98%), metallic grey (RAL 9006) or brilliant white (RAL 9010) housing to choice | louvre of high performance polymer material, aluminized or coated. Louvers are mounted without tools and held in place within housing by catches | three-point fast lock mounting without tools for 2...40 mm ceiling thicknesses | transparent collector lens of PMMA and opaline diffuser of toughened safety glass held in place by ring of central module | various central modules: either with perforated sheet steel enclosure; with LED module (white or colored); with emergency light; with mounting platform for information panel or with broadband loudspeaker.

### Electrics

Luminaires wired ready for connection | with 3-pole terminal for circular downlight (ECG DALI or ECG dimming; 3-pole + 2-pole for control signal), max. 2.5 mm<sup>2</sup> | as standard with ECG, ECG DALI, ECG dimming (1...10V) | central modules (with electrical function) each with own control gear unit and separate terminal | building management components and further electrical equipment on request



### Lighting Technology

- CAT 2 C-louvre | high-performance polymer, highly specular aluminized
- C-louvre | matt, wide distribution | high-performance polymer, choice of metallic grey or brilliant white coating
- Opal diffuser | wide distribution for soft, special light | toughened safety glass
- Transparent collector lens | with circular prisms, narrow distribution | PMMA
- Stray-light baffle | black polycarbonate | (for direct distribution)
- Colour filter segments | polycarbonate, choice of

- opal, blue, green, orange, red or triple-coloured (red/orange/blue) | for colored indirect component with surface or suspended mounting
- Decorative colour effects with colour filter segments or LED central module
- Central module with LED for direct distribution decorative colour effects | choice of opal, blue, green, yellow or red light; white-opal colour when switched off
- Central module with emergency supply, with opal diffuser, direct distribution



### LUNIS R® | central module with coated cover plate | for surface or suspended mounting

Downlight for circular fluorescent lamps, for accommodating light control insert or louvre, with highly specular reflector

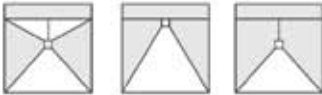


Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
lum. housing, metallic grey (RAL9006), blank cover, perforated, with highly specular reflector					
5LR 612 7-1SA41AF	1xT16-R 40W	2GX13	380	70	2.4
5LR 612 7-1TA41AF	1xT16-R 55W	2GX13	380	70	2.4

lum. housing, brilliant white (RAL9010), blank cover, perforated, with highly specular reflector

5LR 612 7-1SA31AE	1xT16-R 40W	2GX13	380	70	2.4
5LR 612 7-1TA31AE	1xT16-R 55W	2GX13	380	70	2.4

7:ECG D:ECG DALI 6:ECG (1..10V)



### LUNIS R® | central module with coated cover plate | for recessed mounting

Downlight for circular fluorescent lamps, for accommodating light control insert or louvre, with highly specular reflector

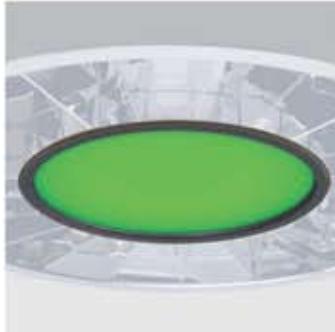


Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
central module, blank cover, perforated, metallic grey (RAL9006)					
5LR 610 7-1SA11AF	1xT16-R 40W	2GX13	398	70	2.7
5LR 610 7-1TA11AF	1xT16-R 55W	2GX13	398	70	2.7

central module, blank cover, perforated, brilliant white (RAL9010)

5LR 610 7-1SA11AE	1xT16-R 40W	2GX13	398	70	2.7
5LR 610 7-1TA11AE	1xT16-R 55W	2GX13	398	70	2.7

7:ECG D:ECG DALI 6:ECG (1..10V)



### LUNIS R® | central module with LED | for surface, suspended or recessed mounting

Downlight for circular fluorescent lamps, for accommodating light control insert or louvre, with highly specular reflector



Order No.	Lamps	Lamps 2	Socket	Ø (mm)	H (mm)	Wt. (kg)
for surface or suspended mounting						
5LR 612 7-1SA43KJ	1xT16-R 40W	LED-Red	2GX13	380	70	2.5
5LR 612 7-1SA43LJ	1xT16-R 40W	LED-Yellow	2GX13	380	70	2.5
5LR 612 7-1SA43MJ	1xT16-R 40W	LED-Green	2GX13	380	70	2.5
5LR 612 7-1SA43NJ	1xT16-R 40W	LED-Blue	2GX13	380	70	2.5
5LR 612 7-1SA43WJ	1xT16-R 40W	LED-White	2GX13	380	70	2.5

for recessed mounting

5LR 610 7-1SA13KJ	1xT16-R 40W	LED-Red	2GX13	398	70	2.3
5LR 610 7-1SA13LJ	1xT16-R 40W	LED-Yellow	2GX13	398	70	2.3
5LR 610 7-1SA13MJ	1xT16-R 40W	LED-Green	2GX13	398	70	2.3
5LR 610 7-1SA13NJ	1xT16-R 40W	LED-Blue	2GX13	398	70	2.3
5LR 610 7-1SA13WJ	1xT16-R 40W	LED-White	2GX13	398	70	2.3

4: ECG, lum. housing, metallic grey (RAL9006) 3: ECG, lum. housing, brilliant white (RAL9010)

S: T16-R 40W T: T16-R 55W



wire suspension

Description

wire suspension, 3-core, canopy white  
 wire suspension, 5-core, canopy white  
 wire suspension, 3-core, canopy grey  
 wire suspension, 5-core, canopy grey

Order No.

5LR 926 8-00M  
 5LR 926 8-00P  
 5LR 926 8-00N  
 5LR 926 8-00G



pendant suspension

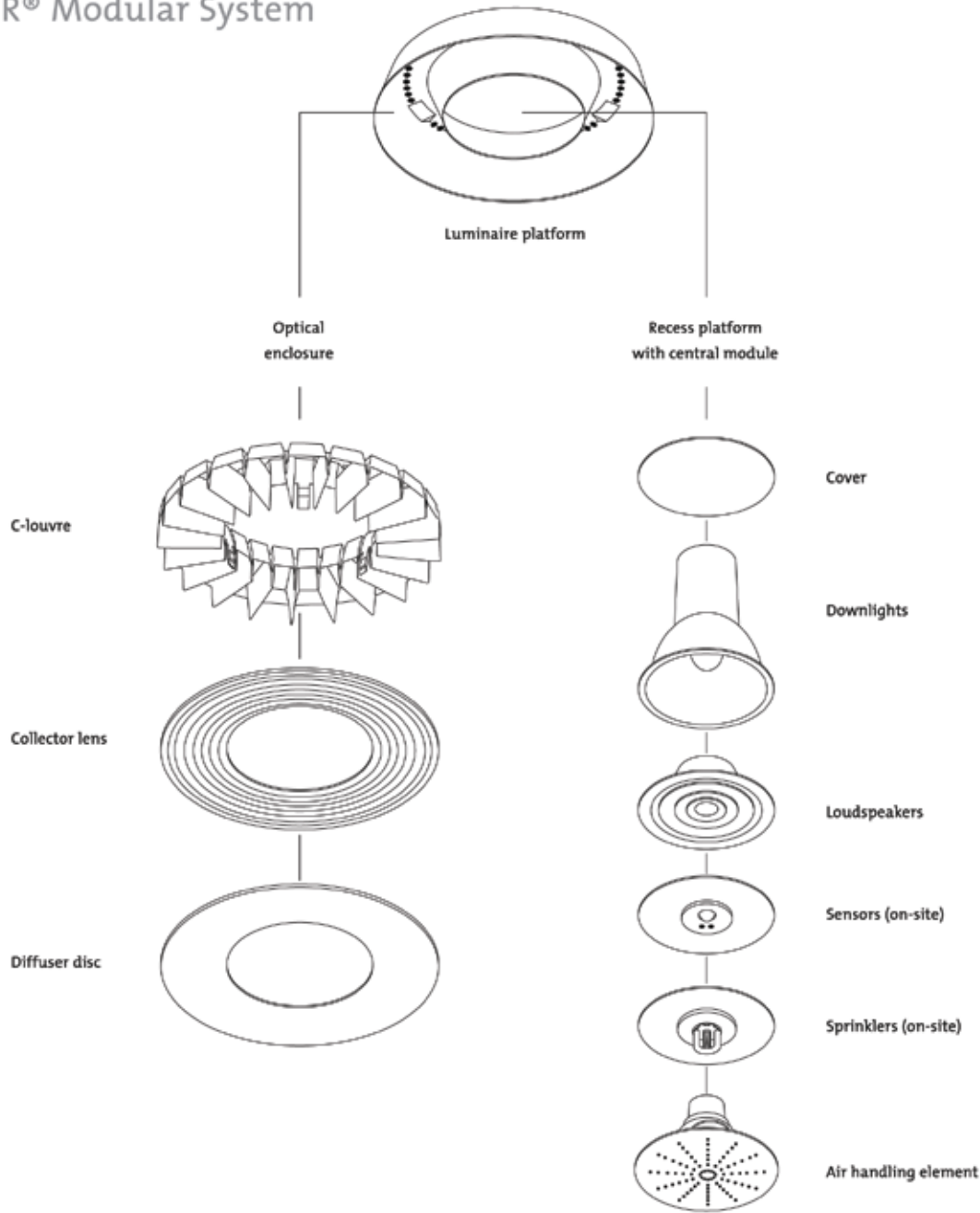
pendant suspension, 3-core, white  
 pendant suspension, 5-core, white  
 pendant suspension, 3-core, grey  
 pendant suspension, 5-core, grey

5LR 922 0-4BS  
 5LR 922 0-4BT  
 5LR 922 0-8BS  
 5LR 922 0-8BT

for further accessories, please contact with sales department

## Lunis R® Mounting Accessories

# The Lunis R® Modular System



## Lunis R® Optical Accessories



CAT 2 C-Louvre    opal diffuser lens



transparent collector lens    stray light baffles



color filter segments

Description	Order No.
CAT 2 C-Louvre, highly specular	5LR 946 8-1CE
C-Louvre, brilliant white (RAL 9010) / metallic grey (RAL 9006)	5LR 946 8-4CE / 5LR 946 8-8CE
opal diffuser lens	5LR 946 8-5E
transparent collector lens	5LR 946 8-3DT
stray light baffles, black, set of 3	5LR 946 8-5UM
colour filter segment, opal / red, set of 3	5LR 946 8-5CM / 5LR 946 8-5QM
colour filter segment, green / blue, set of 3	5LR 946 8-5TM / 5LR 946 8-5RM
colour filter segment, orange / RGB, set of 3	5LR 946 8-5SM / 5LR 946 8-5CN

# Square Downlight

Recessed downlights of Square family with their decorative appearance and high light output ratios are equipped with cover or suspended glass, as well as with a standard type without glass. With their compact design and purist appearance, Square downlight luminaires are suitable for indoor applications; meeting rooms, offices, etc.



## Housing Technology

0,5 mm DKP sheet steel, white painted body (similar to RAL 9010) | electrostatic powder coated galvanized steel frame

## Electrics

Luminaires wired ready for connection; with 3-pole terminal, max. 2,5 mm<sup>2</sup> | with HFG, CCG, or

dimnable ballast | suitable for parallel power correction with installed capacitor on request in which CCG is used | integrated control gear plate

## Lighting Technology

High performance aluminum reflector; (%99,9 highly specular anodised pure aluminum)



### Square Downlight 200 | standard type | without glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	DA (mm)	Wt. (kg)
5LX 810 7-1FA200	1xTC-DEL/D 13W	G24q	200	200	120	180x180	1.67
5LX 810 7-1GA200	1xTC-DEL/D 18W	G24q	200	200	120	180x180	1.68
5LX 810 7-1HA200	1xTC-DEL/D 26W	G24q	200	200	120	180x180	1.89
5LX 810 7-2FA200	2xTC-DEL/D 13W	G24q	200	200	120	180x180	2.04
5LX 810 7-2GA200	2xTC-DEL/D 18W	G24q	200	200	120	180x180	2.05
5LX 810 7-2HA200	2xTC-DEL/D 26W	G24q	200	200	120	180x180	2.48
5LX 810 7-1LA200	1xTC-TEL/T 26W	GX24q	200	200	120	180x180	1.89
5LX 810 7-2LA200	2xTC-TEL/T 26W	GX24q	200	200	120	180x180	2.48

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI

### Square Downlight 200 | standard type | with cover glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	DA (mm)	Wt. (kg)
5LX 810 7-1FA200D1	1xTC-DEL/D 13W	G24q	200	200	120	180x180	1.92
5LX 810 7-1GA200D1	1xTC-DEL/D 18W	G24q	200	200	120	180x180	1.93
5LX 810 7-1HA200D1	1xTC-DEL/D 26W	G24q	200	200	120	180x180	2.15
5LX 810 7-2FA200D1	2xTC-DEL/D 13W	G24q	200	200	120	180x180	2.28
5LX 810 7-2GA200D1	2xTC-DEL/D 18W	G24q	200	200	120	180x180	2.30
5LX 810 7-2HA200D1	2x TC-DEL/D 26W	G24q	200	200	120	180x180	2.72
5LX 810 7-1LA200D1	1x TC-TEL/T 26W	GX24q	200	200	120	180x180	2.15
5LX 810 7-2LA200D1	2x TC-TEL/T 26W	GX24q	200	200	120	180x180	2.72

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI

D1: frosted in central area D2: frosted in sides D3: completely frosted



### Square Downlight 200 | standard type | with suspended glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	DA (mm)	Wt. (kg)
5LX 810 7-1FA200C1	1xTC-DEL/D 13W	G24q	200	200	120+20	180x180	2.25
5LX 810 7-1GA200C1	1xTC-DEL/D 18W	G24q	200	200	120+20	180x180	2.26
5LX 810 7-1HA200C1	1xTC-DEL/D 26W	G24q	200	200	120+20	180x180	2.47
5LX 810 7-2FA200C1	2xTC-DEL/D 13W	G24q	200	200	120+20	180x180	2.62
5LX 810 7-2GA200C1	2xTC-DEL/D 18W	G24q	200	200	120+20	180x180	2.64
5LX 810 7-2HA200C1	2xTC-DEL/D 26W	G24q	200	200	120+20	180x180	3.06
5LX 810 7-1LA200C1	1xTC-TEL/T 26W	GX24q	200	200	120+20	180x180	2.47
5LX 810 7-2LA200C1	2xTC-TEL/T 26W	GX24q	200	200	120+20	180x180	3.06

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI

C1: frosted in central area C2: frosted in sides C3: completely frosted







### Square Downlight 240 | standard type | without glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	DA (mm)	Wt. (kg)
5LX 910 7-1GA240	1xTC-DEL/D 18W	G24q	240	240	120	220x220	1.78
5LX 910 7-1HA240	1xTC-DEL/D 26W	G24q	240	240	120	220x220	1.99
5LX 910 7-2GA240	2xTC-DEL/D 18W	G24q	240	240	120	220x220	2.16
5LX 910 7-2HA240	2xTC-DEL/D 26W	G24q	240	240	120	220x220	2.60
5LX 910 7-1KA240	1xTC-TEL/T 18W	GX24q	240	240	120	220x220	1.78
5LX 910 7-1LA240	1xTC-TEL/T 26W	GX24q	240	240	120	220x220	1.99
5LX 910 7-2KA240	2xTC-TEL/T 18W	GX24q	240	240	120	220x220	2.16
5LX 910 7-2LA240	2xTC-TEL/T 26W	GX24q	240	240	120	220x220	2.60

7: ECG 1: CCG 6: ECG (L-10 V) D: DALI



### Square Downlight 240 | standard type | with cover glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	DA (mm)	Wt. (kg)
5LX 910 7-1GA240D1	1xTC-DEL/D 18W	G24q	240	240	120	220x220	2.22
5LX 910 7-1HA240D1	1xTC-DEL/D 26W	G24q	240	240	120	220x220	2.43
5LX 910 7-2GA240D1	2xTC-DEL/D 18W	G24q	240	240	120	220x220	2.60
5LX 910 7-2HA240D1	2xTC-DEL/D 26W	G24q	240	240	120	220x220	3.03
5LX 910 7-1KA240D1	1xTC-TEL/T 18W	GX24q	240	240	120	220x220	2.22
5LX 910 7-1LA240D1	1xTC-TEL/T 26W	GX24q	240	240	120	220x220	2.43
5LX 910 7-2KA240D1	2xTC-TEL/T 18W	GX24q	240	240	120	220x220	2.60
5LX 910 7-2LA240D1	2xTC-TEL/T 26W	GX24q	240	240	120	220x220	3.03
5LX 910 7-70240D1	1xHIT-DE 70W	RX7s	240	240	120	220x220	3.90
5LX 910 7-150240D1	1xHIT-DE 150W	RX7s	240	240	120	220x220	4.53

7: ECG 1: CCG 6: ECG (L-10 V) D: DALI

D1: frosted in central area D2: frosted in sides D3: completely frosted

for luminaires with metal halide lamps, only suitable gear units are CCG and HFG types



### Square Downlight 240 | standard type | with suspended glass

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	DA (mm)	Wt. (kg)
5LX 910 7-1GA240C1	1xTC-DEL/D 18W	G24q	240	240	120+20	220x220	2.57
5LX 910 7-1HA240C1	1xTC-DEL/D 26W	G24q	240	240	120+20	220x220	2.80
5LX 910 7-2GA240C1	2xTC-DEL/D 18W	G24q	240	240	120+20	220x220	2.95
5LX 910 7-2HA240C1	2xTC-DEL/D 26W	G24q	240	240	120+20	220x220	3.37
5LX 910 7-1KA240C1	1xTC-TEL/T 18W	GX24q	240	240	120+20	220x220	2.57
5LX 910 7-1LA240C1	1xTC-TEL/T 26W	GX24q	240	240	120+20	220x220	2.80
5LX 910 7-2KA240C1	2xTC-TEL/T 18W	GX24q	240	240	120+20	220x220	2.95
5LX 910 7-2LA240C1	2xTC-TEL/T 26W	GX24q	240	240	120+20	220x220	3.37
5LX 910 7-70240C1	1xHIT-DE 70W	RX7s	240	240	120+20	220x220	3.90
5LX 910 7-150240C1	1xHIT-DE 150W	RX7s	240	240	120+20	220x220	4.53

7: ECG 1: CCG 6: ECG (L-10 V) D: DALI

C1: frosted in central area C2: frosted in sides C3: completely frosted

for luminaires with metal halide lamps, only suitable gear units are CCG and HFG types



## Eco Servus

Eco Servus downlight family includes recessed and surface mounted types (standard, cover/suspended glass, cross/aluminum turbo louver) with compact fluorescent/metal halide lamps. They have a decorative appearance with their cover glass or louver choices. They are suitable for all indoor applications; meeting rooms, offices, etc.



### Housing Technology

0,50mm thickness galvanized steel body | electrostatic powder coated die-cast aluminum frame

### Electrics

Luminaires wired ready for connection; with 3-pole terminal, max. 2,5 mm<sup>2</sup> | with ECG, CCG, or dimmable ballast | suitable for parallel power correction with installed capacitor on request in which CCG is used | integrated control gear plate

### Lighting Technology

- High performance aluminum reflector; (%99,9 highly specular anodised pure aluminum)
- Cross/turbo reflector for glare limitation
- Horizontal lamp position with wide beam light distribution



### Eco Servus | standard downlight

For recessed mounting, with white ring, horizontal lamp position, with faceted reflector and integrated control gear plate

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
SLX 200 7-1FA31	1xTC-DEL/D 13W	G24q	200	185	90	1.90
SLX 200 7-1GA31	1xTC-DEL/D 18W	G24q	200	185	90	1.90
SLX 200 7-1HA31	1xTC-DEL/D 26W	G24q	200	185	90	2.10
SLX 200 7-2FA31	2xTC-DEL/D 13W	G24q	200	185	90	1.20
SLX 200 7-2GA31	2xTC-DEL/D 18W	G24q	200	185	90	1.20
SLX 200 7-2HA31	2xTC-DEL/D 26W	G24q	200	185	90	1.60

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI



### Eco Servus | with suspended-glass

For recessed mounting, with white ring, horizontal lamp position, with faceted reflector and integrated control gear plate

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
SLX 200 7-1FA31C1	1xTC-DEL/D 13W	G24q	200	185	90+33	1.40
SLX 200 7-1GA31C1	1xTC-DEL/D 18W	G24q	200	185	90+33	1.40
SLX 200 7-1HA31C1	1xTC-DEL/D 26W	G24q	200	185	90+33	1.60
SLX 200 7-2FA31C1	2xTC-DEL/D 13W	G24q	200	185	90+33	1.70
SLX 200 7-2GA31C1	2xTC-DEL/D 18W	G24q	200	185	90+33	1.70
SLX 200 7-2HA31C1	2xTC-DEL/D 26W	G24q	200	185	90+33	2.10

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI

C1: frosted in central area C2: frosted in sides C3: completely frosted



### Eco Servus | with cover-glass

For recessed mounting, with white ring, horizontal lamp position, with faceted reflector and integrated control gear plate

▽ IP 60 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
SLX 200 7-1FA31D1	1xTC-DEL/D 13W	G24q	200	185	90	1.40
SLX 200 7-1GA31D1	1xTC-DEL/D 18W	G24q	200	185	90	1.40
SLX 200 7-1HA31D1	1xTC-DEL/D 26W	G24q	200	185	90	1.60
SLX 200 7-2FA31D1	2xTC-DEL/D 13W	G24q	200	185	90	1.70
SLX 200 7-2GA31D1	2xTC-DEL/D 18W	G24q	200	185	90	1.70
SLX 200 7-2HA31D1	2xTC-DEL/D 26W	G24q	200	185	90	2.10

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI

D1: frosted in central area D2: frosted in sides D3: completely frosted





### Servus | with cross louver downlight

With white ring, horizontal lamp position, highly specular aluminum reflector

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
5LX 200 7-1FA41A	1xTC-DEL/D 13W	G24q	224	205	150	2.10
5LX 200 7-1GA41A	1xTC-DEL/D 18W	G24q	224	205	150	2.10
5LX 200 7-1HA41A	1xTC-DEL/D 26W	G24q	224	205	150	2.40
5LX 200 7-2FA41A	2xTC-DEL/D 13W	G24q	224	205	150	2.60
5LX 200 7-2GA41A	2xTC-DEL/D 18W	G24q	224	205	150	2.60
5LX 200 7-2HA41A	2xTC-DEL/D 26W	G24q	224	205	150	3.00

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI



### Servus | with turbo reflector

With aluminum turbo louver, with white ring, horizontal lamp position

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
5LX 200 7-1FA41T	1xTC-DEL/D 13W	G24q	224	205	150	2.10
5LX 200 7-1GA41T	1xTC-DEL/D 18W	G24q	224	205	150	2.10
5LX 200 7-1HA41T	1xTC-DEL/D 26W	G24q	224	205	150	2.40
5LX 200 7-2FA41T	2xTC-DEL/D 13W	G24q	224	205	150	2.60
5LX 200 7-2GA41T	2xTC-DEL/D 18W	G24q	224	205	150	2.60
5LX 200 7-2HA41T	2xTC-DEL/D 26W	G24q	224	205	150	3.00

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI



### Servus | standard downlight

With white ring, horizontal lamp position, with highly specular aluminum reflector

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
5LX 700 7-326	3xTC-DEL/D 26W	G24q	284	265	150	3.40
5LX 700 7-326C	3xTC-DEL/D 26W	G24q	284	265	150	3.70
5LX 700 7-326T	3xTC-DEL/D 26W	G24q	284	265	150	3.50

7: ECG 1: CCG 6: ECG (1.10 V) D: DALI

C: with glass T: with turbo reflector



### Servus | downlight with metal halide lamp

With white ring, with cover glass (IP40) /suspended glass (IP20), with highly specular aluminum reflector

▽ IP 20 IP 40 ⊕

Order No.	Lamps	Socket	Ø (mm)	DA (mm)	H (mm)	Wt. (kg)
<b>with cover glass, IP40</b>						
5LX 300 1-150D1	1xHIT-DE 150W	RX7s	224	205	100	3.80
5LX 300 1-70D1	1xHIT-DE 70W	RX7s	224	205	100	3.20
5LX 400 1-250D1	1xHIT-DE 250W	RX7s	284	265	100	6.30
5LX 400 1-150D1	1xHIT-DE 150W	RX7s	284	265	100	4.30
5LX 400 1-70D1	1xHIT-DE 70W	RX7s	284	265	100	3.60

**with suspended glass, IP20**

5LX 3001-150C1	1xHIT-DE 150W	RX7s	224	205	127	3.80
5LX 3001-70C1	1xHIT-DE 70W	RX7s	224	205	127	3.20
5LX 4001-150C1	1xHIT-DE 150W	RX7s	284	265	127	4.30
5LX 4001-70C1	1xHIT-DE 70W	RX7s	284	265	127	3.60
5LX 4001-250C1	1xHIT-DE 250W	RX7s	284	265	127	6.30

D1: disc frosted in central area

D2: disc ring frosted

D3: disc completely frosted

C1: disc frosted in central area

C2: disc ring frosted

C3: disc completely frosted



### Servus | with suspended glass for surface mounting

With electrostatic powder coated aluminum white housing, with highly specular aluminum reflector

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
SLX 500 1-150C1	1xHIT-DE 150W	RX7s	240	195	4.50
SLX 500 1-70C1	1xHIT-DE 70W	RX7s	240	195	3.90
SLX 510 1-150C1	1xHIT-DE 150W	RX7s	300	195	5.60
SLX 510 1-70C1	1xHIT-DE 70W	RX7s	300	195	5.00
SLX 510 1-250C1	1xHIT-DE 250W	RX7s	300	195	7.50

C1: disc frosted in central area    C2: disc ring frosted    C3: disc completely frosted



### Servus | standard downlight for surface mounting

With electrostatic powder coated aluminum white housing, with highly specular aluminum reflector

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
SLX 600 7-113	1xTC-DEL/D 13W	G24q	240	180	2.30
SLX 600 7-118	1xTC-DEL/D 18W	G24q	240	180	2.30
SLX 600 7-126	1xTC-DEL/D 26W	G24q	240	180	2.50
SLX 600 7-213	2xTC-DEL/D 13W	G24q	240	180	2.60
SLX 600 7-218	2xTC-DEL/D 18W	G24q	240	180	2.60
SLX 600 7-226	2xTC-DEL/D 26W	G24q	240	180	2.60

7: ECG    1: CCG    6: ECG (1.10 V)    D: DALI



### Servus | with cover glass for surface mounting

With electrostatic powder coated aluminum white housing, with highly specular aluminum reflector

▽ IP 40 ⊕

Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
SLX 600 7-113D1	1xTC-DEL/D 13W	G24q	240	180	2.30
SLX 600 7-118D1	1xTC-DEL/D 18W	G24q	240	180	2.30
SLX 600 7-126D1	1xTC-DEL/D 26W	G24q	240	180	2.50
SLX 600 7-213D1	2xTC-DEL/D 13W	G24q	240	180	2.60
SLX 600 7-218D1	2xTC-DEL/D 18W	G24q	240	180	2.60
SLX 600 7-226D1	2xTC-DEL/D 26W	G24q	240	180	2.60

7: ECG    1: CCG    6: ECG (1.10 V)    D: DALI

D1: disc frosted in central area    D2: disc ring frosted    D3: disc completely frosted



### Servus | with suspended glass for surface mounting

With electrostatic powder coated aluminum white housing, with highly specular aluminum reflector

▽ IP 20 ⊕

Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
SLX 600 7-113C1	1xTC-DEL/D 13W	G24q	240	180	2.30
SLX 600 7-118C1	1xTC-DEL/D 18W	G24q	240	180	2.30
SLX 600 7-126C1	1xTC-DEL/D 26W	G24q	240	180	2.50
SLX 600 7-213C1	2xTC-DEL/D 13W	G24q	240	180	2.60
SLX 600 7-218C1	2xTC-DEL/D 18W	G24q	240	180	2.60
SLX 600 7-226C1	2xTC-DEL/D 26W	G24q	240	180	2.60

7: ECG    1: CCG    6: ECG (1.10 V)    D: DALI

C1: disc frosted in central area    C2: disc ring frosted    C3: disc completely frosted



## Compact downlight

The extremely wide distribution compact downlights have been optimised as complete luminaires with a recess depth of only 108 mm for quick, tool-free mounting, even in limited spaces. They are constructed of temperature-resistant, high-grade polymer and are partly equipped with Multiwatt technology. The luminaires can thus be individually equipped with compact fluorescent lamps between 10W and 42W according to light requirements. Light characteristics can be individually adapted with optional optical accessories.

- + Also suitable for applications with higher protection demands (IP44) with accessories
- + Minimal installed depth of 108 mm
- + Multiwatt technology for exchangeable lumen packages
- + Compact design with integrated control gear
- + Tool-free installation



### Housing Technology

One-part housing with reflector of temperature-resistant high-grade polymer (PBT) | aluminized reflector and visible reflector fringe, highly specular or highly specular white | two-point installation without tools | opal diffuser and prismatic disc of PMMA, highly specular aluminized ring louvre of PC

### Electrics

Luminaires wired ready for connection | with 3-pole terminal (ECG DALI or ECG dimming: 3-pole + 2-pole for control signal), max 2.5 mm<sup>2</sup> | with ECG, ECG DALI or ECG dimming (1...10V) | terminal cover with cable strain relief, suitable for through-wiring

### Lighting Technology

- Highly specular aluminized reflector | extremely wide distribution
- Highly specular aluminized, faceted reflector | extremely wide distribution
- Highly specular white reflector | extremely wide distribution Lighting technology can be varied individually with optical-decorative accessories:
  - Opal diffuser or ring prism for visual improvement and uniform light distribution
  - Ring louvre for glare control



### Compact downlight

For recessed ceiling mounting, extremely wide distribution, with highly specular reflector



Order No.	Lamps	Socket	D (mm)	DA (mm)	H (mm)	Wt. (kg)
5LR 357 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	108	0.8
5LR 357 7-1FA61	1xTC-DEL 10/13W	G24q-1	230	212	108	0.9
5LR 357 7-1GA61	1xTC-DEL 18W	G24q-2	230	212	108	0.9
5LR 357 7-2FA61	2xTC-DEL 10/13W	G24q-1	230	212	108	0.9
5LR 357 7-2GA61	2xTC-DEL 18W	G24q-2	230	212	108	0.9
5LR 357 7-2LA61	2xTC-TEL 26W	GX24q-3	230	212	108	1.1

7: ECG Multiwatt    6: ECG Multiwatt(L..10V)    D: ECG Multiwatt (DALI)



### Compact downlight

For recessed ceiling mounting, extremely wide distribution, with highly specular faceted reflector



Order No.	Lamps	Socket	D (mm)	DA (mm)	H (mm)	Wt. (kg)
5LR 367 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	108	0.8
5LR 367 7-1FA61	1xTC-DEL 10/13W	G24q-1	230	212	108	0.9
5LR 367 7-1GA61	1xTC-DEL 18W	G24q-2	230	212	108	0.8
5LR 367 7-2FA61	2xTC-DEL 10/13W	G24q-1	230	212	108	0.9
5LR 367 7-2GA61	2xTC-DEL 18W	G24q-2	230	212	108	2.0
5LR 367 7-2LA61	2xTC-TEL 26W	GX24q-3	230	212	108	1.2

7: ECG Multiwatt    6: ECG Multiwatt(L..10V)    D: ECG Multiwatt (DALI)



### Compact downlight

For recessed ceiling mounting, extremely wide distribution, with white reflector



Order No.	Lamps	Socket	D (mm)	DA (mm)	H (mm)	Wt. (kg)
5LR 377 7-1VA61	1xTC-TEL 26/32/42W	GX24q-3/4	230	212	108	0.9
5LR 377 7-1FA61	1xTC-DEL 10/13W	G24q-1	230	212	108	0.9
5LR 377 7-1GA61	1xTC-DEL 18W	G24q-2	230	212	108	0.9
5LR 377 7-2FA61	2xTC-DEL 10/13W	G24q-1	230	212	108	0.9
5LR 377 7-2GA61	2xTC-DEL 18W	G24q-2	230	212	108	0.9
5LR 377 7-2LA61	2xTC-TEL 26W	GX24q-3	230	212	108	1.1

7: ECG Multiwatt    6: ECG Multiwatt(L..10V)    D: ECG Multiwatt (DALI)



## Compact Downlight Optical Accessories



prismatic ring cover



opal diffuser



ring louvre



decorative ring

Description

prismatic ring cover, transparent PMMA, IP44

Order No.

5LR 943 6-3DK

opal diffuser, IP44, for widening and homogenization of light distribution

5LR 943 6-5CH

ring louvre for glare control, highly specular

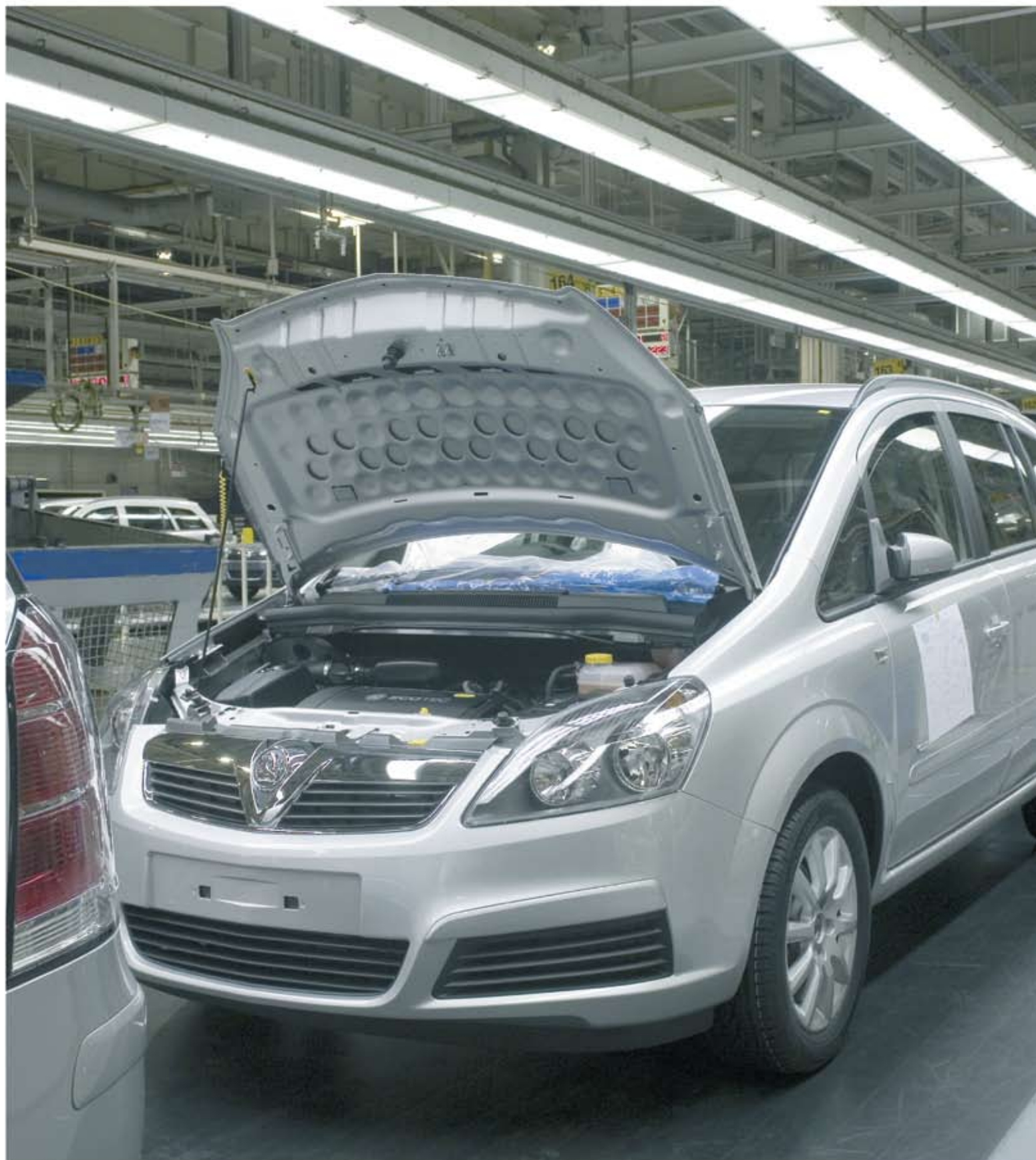
5LR 943 6-1AB

ring louvre for glare control, white

5LR 943 6-4AB

decorative ring "standard", brilliant white RAL 9010

5LR 953 6-4CP





## Trunking Systems



**Hexal®-a**  
Trunking system  
Page 52



**DUS® IP20**  
Page 56



**Modario®**  
Page 60



**Hexal®-s**  
Trunking system  
Page 53



**DUS® IP60**  
Page 56



**Modario®**  
Power Module  
Page 60



**Hexal®-a**  
Single luminaire  
Page 52



**Hexal® upright**  
Single luminaire  
Page 52

## Further Product Ranges



**DUS®**  
Power Module  
IP40



**DUS®**  
Functional Insert

## Hexal®-a, Hexal®-s

The Hexal® trunking system is based upon a variable modular system principle that is able to adapt flexibly to complex lighting demands. It is characterised by a very low weight and an unusual appearance. Both come from the special construction and material of the compact luminaire modules. The housing, which also functions as a reflector, consists of 0.4 mm thin aluminium with a very robust, three-dimensional hexagonal structure. The material allows weight saving of up to 80 % and due to its structure creates an optimized, glare-free light point resolution.

### Housing Technology

Luminaire module of highly specular anodised aluminium or sheet steel, white with hexagonal surface structure

### Electrics

Luminaires wired ready for connection | with 3-pole terminal (module without through-wiring) or 5-pole terminal (module with through-wiring); (ECG DALI or ECG dimming: additional 2-pole for control signal), max. 2.5 mm<sup>2</sup> | multi-length luminaire modules with 5 x 1.5 mm<sup>2</sup> through-wiring (7 x 1.5 mm<sup>2</sup> with ECG DALI or ECG dimming) | with ECG, ECG DALI or ECG dimming (L...10V)

### Lighting Technology

- Direct distribution or direct distribution with ceiling illumination via perforated reflector
- Narrow or wide distribution via tilting of lampholder
- Highly specular anodised louver, CAT(Ls 1000cd/m<sup>2</sup>)
- Semi-specular anodised aluminium louver, asymmetric distribution
- Aluminium ribbed cross-blade louver, matt anodised
- Cross-blade louver, metallic grey or pure white
- Prismatic lens
- Lamp diffuser, opal, for clipping to lamp



With up to 4-length Hexal® trunking arrangements, mounting distances of up to 4 m can be achieved. Various light distribution patterns can be created with the various optical components. In addition to cross-blade, ribbed cross-blade and CAT 2 specular louvers a brilliant prismatic enclosure is available, an opal diffuser, and a wallwasher insert for asymmetric distribution.

With the suspended variations of the Hexal® family, the optic becomes the luminaire itself: the high quality housing of highly specular, anodised aluminium simultaneously fulfills the function of a reflector. The three-dimensional hexagonal structure resolves the light points to create glare-free light distribution.



### Hexal®-a | single luminaire | direct distribution with ceiling illumination

For suspended or close to ceiling mounting, with hexagonal structure and CAT 2 specular louvres



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LJ 933 7 1-UX11	1xT16 54W	G5	1216	141	85	2.8
5LJ 933 7 1-XX11	1xT16 80W	G5	1516	141	85	1.4
5LJ 933 7 1-UX12	2x1xT16 54W	G5	2407	141	85	2.3

7: ECG 6: ECG (L10V) D: ECG DALI



### Hexal® upright | single luminaire | indirect wide distribution

For suspended mounting, with hexagonal structure and CAT 2 specular louvre



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
5LJ 935 7-2U	2xT16 54W	G5	1242	172	90	2.7
5LJ 935 7-2UX02	2x2xT16 54W	G5	2457	172	90	5.3

7: ECG 6: ECG (L10V)



### Hexal®-a | trunking system luminaire | direct or direct distribution with ceiling illumination

Highly specular anodised aluminum housing with hexagonal structure



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>1-length</b>						
5LJ 913 7-1H	1xT16 28/54W	G5	1197	141	85	1.0
5LJ 913 7-1Q	1xT16 35/49/80W	G5	1497	141	85	1.0
5LJ 913 7-2H	2xT16 28/54W	G5	1197	141	85	1.0
5LJ 913 7-2Q	2xT16 35/49/80W	G5	1497	141	85	1.1
5LJ 913 7-1C	1xT26 36W	G13	1255	141	85	0.9
5LJ 913 7-1E	1xT26 58W	G13	1555	141	85	1.0

#### 2-length

5LJ 913 7-1HM	2x1xT16 28/54W	G5	2385	141	85	1.4
5LJ 913 7-1QM	2x1xT16 35/49/80W	G5	2977	141	85	2.5
5LJ 913 7-1EM	2x1xT26 58W	G13	3091	141	85	3.6

#### 2-length, with thr. wiring

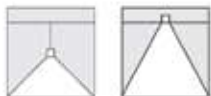
5LJ 913 7-1HMD	2x1xT16 28/54W	G5	2385	141	85	1.6
5LJ 913 7-1QMD	2x1xT16 35/49/80W	G5	2977	141	85	1.9
5LJ 913 7-1EMD	2x1xT26 58W	G13	3091	141	85	1.9

#### empty module, 1-length

5LJ 913 0-1UB			1197	141	85	1.0
5LJ 913 0-1EB			1555	141	85	1.3

7: ECG 6: ECG (L10V) D: ECG DALI (Only ECG or ECG (L10V) for T26 lamps)

1: direct distribution 3: direct distribution with ceiling illumination



with 3 or 4 length, with thr. wiring, please contact with sales department

please add **EM1** (with integral emergency inverter for 1 hour operation) or **EM3** (with integral emergency inverter for 3 hours operation) to the end of order number. Ni-Cd battery for 1h or 3h operation can be applied to all Hexal luminaires



### Hexal®-s | trunking system luminaire | direct distribution or direct distribution with ceiling illumination

Sheet steel housing with hexagonal structure, pure white (similar to RAL 9010)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>1-length</b>						
5LJ 914 7-1C	1xT26 36W	G13	1255	141	85	1.8
5LJ 914 7-1E	1xT26 58W	G13	1555	141	85	2.1

<b>2-length</b>						
5LJ 914 7-1EM	2x1xT26 58W	G13	3091	141	85	3.7

<b>2-length, with thr. Wiring</b>						
5LJ 914 7-1EMD	2x1xT26 58W	G13	3091	141	85	3.9





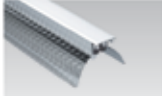
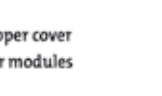
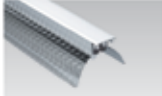
<b>empty module, 1-length</b>						
5LJ 914 0-1EB			1555	141	85	2.3

7: ECG      6: ECG (1..10V)

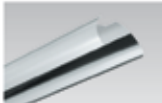

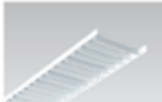
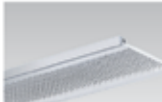

1: direct distribution      3: direct distribution with ceiling illumination



### Hexal® Housing Accessories









Description		L (mm)	Order No.
	feature end caps		
	end caps		
end caps with ribbed structure, diecast aluminum, set of 2			5LJ 900 1-0ED
end caps plastic, white, set of 2			5LJ 900 1-2ED
connector for modules, sheet steel, galvanized			5LJ 900 1-0XV1
	join cover, white, set of 2		5LJ 900 2-0ED1
	join cover, metallic grey, set of 2		5LJ 900 4-0ED1
	connector for modules		
	joint cover		
upper cover for modules, plastic, white		1555	5LJ 900 3-0ED
upper cover for modules, plastic, metallic grey		1197	5LJ 900 3-0UD1
upper cover for modules, plastic, metallic grey		1555	5LJ 900 3-0ED1
upper cover for modules, aluminium		1197	5LJ 900 3-0EDA1
upper cover for modules, aluminium		2385	5LJ 900 3-0EDA2
	upper cover for modules		

### Hexal® Optical Accessories

Description		L (mm)	Wt. (kg)	Order No.
	wall washer reflector			
Hexal®-a specular wallwasher reflector, for 1 x T16 28/54W			0.6	5LE 981 1-1UA
Hexal®-a specular wallwasher reflector, for 1 x T16 35/49/80W			0.7	5LE 981 1-1RA
Hexal®-a specular wallwasher reflector, for 1 x T26 58W			0.8	5LE 981 1-1EA
	aluminum ribbed cross blade louver			
Hexal® aluminium ribbed cross-blade louver, for 1/2 x T16 28/54W		1188	0.7	5LE 980 1-1UR
Hexal® aluminium ribbed cross-blade louver, for 1/2 x T16 35/49/80W		1488	0.9	5LE 980 1-1RR
Hexal® aluminium ribbed cross-blade louver, for 1/2 x T26 36W		1246	0.6	5LE 980 1-1CR
Hexal® aluminium ribbed cross-blade louver, for 1/2 x T26 58W		1543	0.7	5LE 980 1-1ER
	cross blade louver			
cross-blade louver, metallic grey, for 1/2 x T16 28/54W		1188	0.9	5LE 983 1-1UR
cross-blade louver, metallic grey, for 1/2 x T16 35/49/80W		1488	1.1	5LE 983 1-1RR
cross-blade louver, metallic grey, for 1 x T26 36W		1246	0.9	5LE 983 1-1CR
cross-blade louver, metallic grey, for 1 x T26 58W		1543	1.1	5LE 983 1-1ER
	prismatic diffuser			
prismatic diffuser of PMMA, for 1/2 x T16 28/54W		1188	0.6	5LE 981 1-1UG
prismatic diffuser of PMMA, for 1/2 x T16 35/49/80W		1488	0.7	5LE 981 1-1RG
prismatic diffuser of PMMA, for 1 x T26 36W		1246	0.6	5LE 981 1-1CG
prismatic diffuser of PMMA, for 1 x T26 58W		1543	0.7	5LE 981 1-1EG
	lamp diffuser			
Hexal® lamp diffuser, PMMA, opal, for 1/2 x T16 28/54W		1188	0.5	5LE 981 1-1UH
Hexal® lamp diffuser, PMMA, opal, for 1/2 x T16 35/49/80W		1488	0.6	5LE 981 1-1RH
Hexal® lamp diffuser, PMMA, opal, for 1 x T26 36W		1246	0.5	5LE 981 1-1CH
Hexal® lamp diffuser, PMMA, opal, for 1 x T26 58W		1546	0.6	5LE 981 1-1EH



## Hexal® Mounting Accessories

	Description	Order No.
	ceiling mounting, steel, galvanized, load capacity: 12 kg, white	5LJ 900 3-0XC1
	ceiling mounting, steel, galvanized, load capacity: 12 kg, galvanized	5LJ 900 3-0XC2
	end cap wire suspension, load capacity: 12 kg, L=2m, set of 2	5LJ 900 5-0ED
	wire suspension for connectors, load capacity: 12 kg, L=2m,	5LJ 900 6-0XC2
	wire suspension, load capacity: 12 kg, white, L=2m	5LJ 900 6-0XC1
	wire suspension, load capacity: 12 kg, metallic grey, L=2m	5LJ 900 6-0XC1S
	wire suspension with canopy, load capacity: 12 kg, pure white without terminals, L=2m	5LJ 900 7-0XC1
	wire suspension with canopy, metallic grey, load capacity: 12 kg, without terminals, L=2m	5LJ 900 7-0XC1S
	<b>7: without terminals    8: with terminals</b>	
	wire suspension with caddy clip, steel bracket, pure white, load capacity: 12 kg, L=30 cm	5LJ 900 2-0XCA
	wire suspension with caddy clip, steel bracket, galvanized, load capacity: 12 kg	5LJ 900 2-0XCL
	wire suspension with loop, teal bracket, galvanized, load capacity: 12 kg, H ≤ 2 m	5LJ 900 2-0XC1
	wire suspension with loop, teal bracket, galvanized, load capacity: 12 kg, H ≤ 3 m	5LJ 900 2-0XC2
	End cap pendant suspension, for wall or ceiling mounting, set of 2, L=150mm	5LJ 900 0-0ED
	Chain suspension, on rail, steel, partly diecast aluminum, load capacity: 12 kg (not shown)	5LJ 900 1-0XC

## DUS®

The DUS® trunking system with IP20 and IP60 protection ratings is based upon a modular system, consisting two basis elements: a 5 or 7-core wired trunking rail and an open distribution light insert for T26 and T16 fluorescent lamps.

All components have been designed for 307 mm system dimensions and can therefore be combined and positioned as desired. This basis can be extended with further system elements such as socket outlet modules, emergency lighting units, spotlights, tracks and fixed covers.

A powerful Power Module with four 80 W T16 lamps and brilliant HDP® prismatic optics is also available. All system components can be combined without use of tools. X-, T- and L-connectors expand the system's application range.

### Housing Technology

Robust trunking rail, sheet steel luminaire inserts and gear trays, choice of metallic grey (RAL 9006) or pure white (similar to RAL 9010) coating | reflectors of sheet steel or aluminium | mounting of luminaire inserts and reflectors as well as electrical connection of inserts within the rail occur without use of tools and in one job step | mechanical fixing via simple to use twist-lock catches for secure mounting and locking of reflectors and luminaire inserts

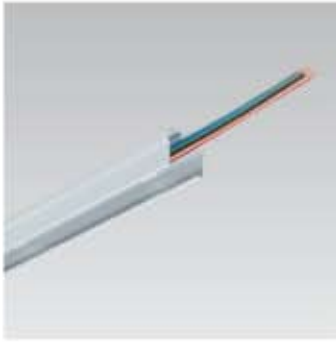
### Electrics

Trunking rail and luminaire inserts wired ready for connection | trunking rail with 5-pole terminal, max. 2.5 mm<sup>2</sup>, and through-wiring 5 x 2.5 mm<sup>2</sup> | 5-pole sockets for contacting of inserts | trunking luminaire and luminaire inserts with 3-pole plug connector for electrical contact within trunking rail | 3-phase pre-selection for all circuits via moving of a contact pin prior to installation in rail | further electrical equipment on request

### Lighting Technology

DUS® luminaire inserts with open distribution | lighting technology can be supplemented with reflectors, specular inserts or louvers. DUS® Power Module with direct/indirect distribution with HDP® enclosure and reflector elements for targeted indirect and direct light





### DUS® IP20 / IP60 | trunking rail | for surface or suspended mounting

With 5- or 7-core wiring as standard, sheet steel, module size: 1 system unit (SE) = 307mm



Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>DUS IP20 / DUS IP60, with thr. wiring 5 x 2.5 mm<sup>2</sup>, pure white (similar to RAL 9010)</b>					
5LJ 909 1-0U	1xT26 28/36/54W	1228	68	55	2.0
5LJ 909 2-0U	2xT26 28/36/54W	2456	68	55	3.9
5LJ 909 3-0U	3xT26 28/36/54W	3684	68	55	5.9
5LJ 909 1-0E*	1xT26 35/49/58/80W	1535	68	55	2.5
5LJ 909 2-0E*	2xT26 35/49/58/80W	3070	68	55	4.9
5LJ 909 3-0E*	3xT26 35/49/58/80W	4605	68	55	7.3

0: pure white (similar to RAL 9010) 6: metallic grey (similar to RAL 9006) \* DUS IP60

for trunking rail with thr. Wiring 7 x 2.5 mm<sup>2</sup>, please contact with sales department



### DUS® IP20 / DUS IP60 | luminaire Insert

Open lamp distribution, sheet steel housing, module size: 1 system unit (SE) = 307mm



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>DUS IP20, T26, pure white (similar to RAL 9010)</b>						
5LJ 908 7-1C	1xT26 36W	G13	1228	68	64	0.8
5LJ 908 7-1E	1xT26 58W	G13	1535	68	64	1.1
5LJ 908 7-2C	2xT26 36W	G13	1228	68	64	1.1
5LJ 908 7-2E	2xT26 58W	G13	1535	68	64	1.3

**DUS IP20, T16, metallic grey (similar to RAL 9006)**

5LJ 968 7-1P	1xT16 28W	G5	1228	68	91	0.8
5LJ 968 7-1R	1xT16 35W	G5	1535	68	91	1.1
5LJ 968 7-1F	1xT16 49W	G5	1535	68	91	1.1
5LJ 968 7-1U	1xT16 54W	G5	1228	68	91	0.8
5LJ 968 7-1X	1xT16 80W	G5	1535	68	91	1.1
5LJ 968 7-2P	2xT16 28W	G5	1228	68	91	1.1
5LJ 968 7-2R	2xT16 35W	G5	1535	68	91	1.3
5LJ 968 7-2F	2xT16 49W	G5	1535	68	91	1.2
5LJ 968 7-2U	2xT16 54W	G5	1228	68	91	1.1
5LJ 968 7-2X	2xT16 80W	G5	1535	68	91	1.3

**DUS IP60, T26, pure white (similar to RAL 9010)**

5LS 908 7-1E	1xT26 58W	G13	1535	123	118	1.2
5LS 908 7-2E	2xT26 58W	G13	1535	123	118	1.4

7: ECG 6: ECG (1..10V)

0: pure white (similar to RAL 9010) 6: metallic grey (similar to RAL 9006)

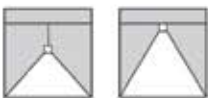


### DUS® IP60 | T26 trunking system luminaire

With cover glass | with highly specular aluminum reflector | with ECG | sheet steel housing



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>asymmetrical distribution, pure white (similar to RAL 9010)</b>						
5LS 176 7-1E80	1xT26 58W	G13	1535	210	153	11.0
<b>symmetrical distribution, pure white (similar to RAL 9010)</b>						
5LS 175 7-1E80	1xT26 58W	G13	1535	210	153	11.3
5LS 175 7-2E80	2xT26 58W	G13	1535	210	153	11.5





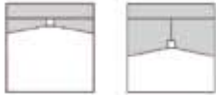
### DUS® Reflector

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>Outer reflector pure white, with ceiling illumination</b>					
5LJ 140 2-2CB0	1/2xT26 36W	1228	210	80	1.7
5LJ 140 2-2EB0*	1/2xT26 58W	1535	210	80	2.1

### Outer reflector pure white, direct distribution

5LJ 140 1-2CB0	1/2xT26 36W	1228	210	80	1.8
5LJ 140 1-2EB0*	1/2xT26 58W	1535	210	80	2.3

\*suitable for DUS IP60 and please add 5 to end of order no. for metallic grey mandatory accessories; end cap and connector (page 57)



### Highbay Reflector

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct extremely narrow distribution, T26</b>					
5LJ 170 3-1ES1	1/2xT26 58W	1535	249	100	0.8



### Specular reflector

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>simple specular reflector, narrow distribution, T26</b>					
5LJ 140 1-1ES1	1/2xT26 58W	1535	180	70	0.9

### simple specular reflector, wide distribution, T26

5LJ 140 0-1ES1	1/2xT26 58W	1535	210	70	0.9
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### simple specular reflector, asymmetrical distribution, T26

5LJ 140 2-1ES1	1xT26 58W	1535	170	70	0.9
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suitable for use with cross-blade louver ordered separately



### Wallwasher reflector

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>reflector of aluminum, semi-specular, wallwasher, asymmetrical distribution</b>					
5LJ 149 1-2U	1xT16/T26 28/36/54W	1228	142	64	0.4
5LJ 149 1-2R	1xT16/T26 35/49/58/80W	1535	142	64	0.5

suitable for use with cross-blade louver ordered separately (page 57)



### Batwing specular reflector

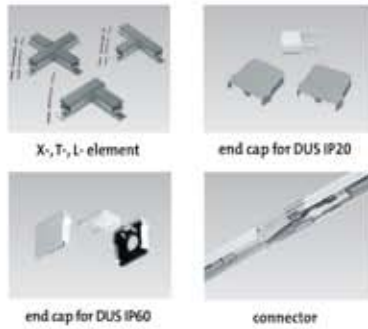
Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>direct wide distribution, T26</b>					
5LJ 140 5-1EB0	1/2xT26 58W	1535	171	66	0.6

mandatory accessories; end cap and connector (page 57)





## Trunking Rail Accessories



X-, T-, L- element

end cap for DUS IP20



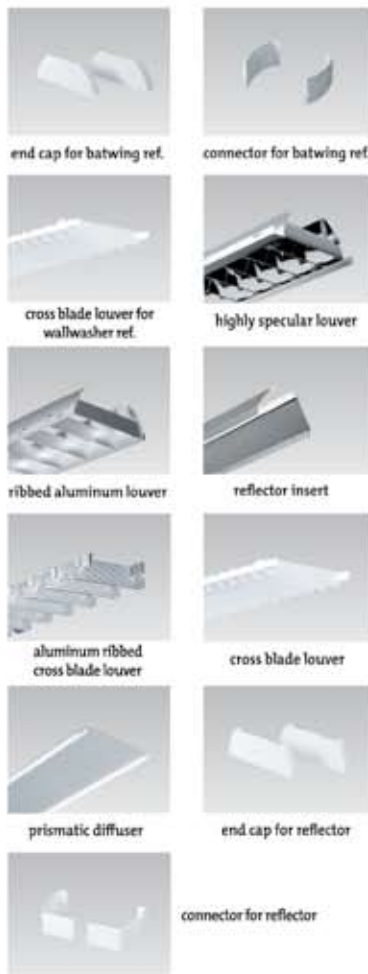
end cap for DUS IP60



connector

Description	Order No.
X-element for trunking arrangements	5LJ 909 0-0XV
T-element for trunking arrangements	5LJ 909 0-2XV
L-element for trunking arrangements	5LJ 909 0-3XV
end cap for DUS IP20 trunking rail, plastic, set of 2	5LJ 909 1-0XD
end cap for DUS IP60 trunking rail, plastic, set of 2	5LS 909 1-0XD
connector for DUS trunking rail, steel, galvanized	5LJ 909 1-0XV
DUS IP20 fixed cover, for mounting DUS trunking, plastic, pure white, 1535 mm	5LJ 908 3-0ED
0: pure white      6: metallic grey	

## DUS® Optical Accessories



end cap for batwing ref.

connector for batwing ref.

cross blade louver for wall washer ref.

highly specular louver

ribbed aluminum louver

reflector insert

aluminum ribbed cross blade louver

cross blade louver

prismatic diffuser

end cap for reflector

connector for reflector

Description	Order No.
end cap for batwing specular reflector, white, set of 2	5LJ 140 5-2XD
end cap for batwing specular reflector, grey, set of 2	5LJ 140 5-2XD5
connector for batwing reflector, white	5LJ 140 5-5XD
connector for batwing reflector, grey	5LJ 140 5-5XD5
cross blade louver for wall washer ref., white, for T26/T16 28/36/54W, 1228mm	5LE 146 0-1UR2
cross blade louver for wall washer ref., white, for T26/T16 35/49/58/80W, 1528mm	5LE 146 0-1RR2
DUS highly specular louver, for 1xT26 36W*, 1128mm	5LJ 657 0-1CS
DUS highly specular louver, for 1xT26 58W*, 1535mm	5LJ 657 0-1ES
DUS highly specular louver, for 2xT26 36W*, 1228mm	5LJ 657 0-2CS
DUS highly specular louver, for 2xT26 58W*, 1535mm	5LJ 657 0-2ES
DUS ribbed aluminum louver, for 1/2xT26 58W*, 1528mm	5LJ 612 0-1ER
DUS reflector insert, direct narrow distribution, for 1/2xT26 36W*, 1228mm	5LJ 140 1-1CS
DUS reflector insert, direct narrow distribution, for 1/2xT26 58W*, 1528mm	5LJ 140 1-1ES
DUS reflector insert, direct wide distribution, for 1/2xT26 36W*, 1228mm	5LJ 140 0-1CS
DUS reflector insert, direct wide distribution, for 1/2xT26 58W*, 1528mm	5LJ 140 0-1ES
DUS aluminum ribbed cross blade louver, for 1/2xT26 58W*, 1528mm	5LE 785 1-2ER
DUS cross blade louver, white, for 1/2xT26 36W*, 1128mm	5LE 780 1-2CR
DUS cross blade louver, white, for 1/2xT26 58W*, 1528mm	5LE 780 1-2ER
DUS prismatic diffuser, for 1/2xT26 58W*, 1528mm	5LE 780 3-2ECG0
end cap for reflector, white*, set of 2	5LJ 140 1-2XD
end cap for reflector, grey*, set of 2	5LJ 140 1-2XD5
connector for reflector, white*, set of 2	5LJ 140 2-0XD
connector for reflector, grey*, set of 2	5LJ 140 2-0XD5

\*for DUS® reflector 5LJ1401.. | 5LJ1402..

## DUS® Mounting Accessories



wire suspension with canopy

chain suspension

chain suspension with canopy

Description	Order No.
wire suspension, with canopy white, without terminal	5LJ 909 0-01
wire suspension, with canopy white, with terminal	5LJ 909 2-1XC2
wire suspension, with canopy grey, without terminal	5LJ 969 0-0
wire suspension, with canopy grey, with terminal	5LJ 969 0-1
chain suspension, with height adjustment	5LJ 909 1-2XC
chain suspension with canopy, safety hook with height adjustment	5LJ 909 1-0XC

## Modario®

The Modario® Trunking System with its fully compatible modular construction consists of two basic elements: a 5 or 10-core wired trunking rail and an open distribution luminaire insert for energy efficient T16 fluorescent lamps. All components have been designed for 299 mm system dimensions and can therefore be combined and positioned as desired. All possible light distribution patterns can be created with the various optical components.

As well as differing specular reflectors in white or silver, a transparent HDP® reflector with prismatic optics is part of the modular system. This enables lighting according to current standards (<UGR 19) for DSE workstations. A Power Module for especially ergonomic lighting with four 80 W T16 lamps and brilliant HDP® prismatic optics is also available. All system components can be combined without use of tools. X-, T- and L- connectors expand the system's application range.



### Housing Technology

Robust trunking rail, sheet steel luminaire inserts and gear trays, choice of metallic grey (RAL 9006) or pure white (similar to RAL 9010) coating | innovative HDP® reflectors of PMMA with prismatic structure. Sheet steel or aluminium reflectors | metal connectors and suspension elements | trunking rail with pre-fitted, self-supporting rail connectors

### Electrics

Trunking rail and luminaire inserts wired ready for connection | trunking rail with terminal block, max. 2.5mm<sup>2</sup>, and through-wiring 5 x or 10 x 2.5mm<sup>2</sup> |

sockets at distances of 299 mm for contacting of basis and functional modules | luminaire insert basic module for operation with normal supply, separated into 1 or 2 circuits | with 3-pole connection system, suitable for 5 or 10-core wired trunking rail | with ECG Multiwatt, ECG Multiwatt DALI or ECG Multiwatt dimming (1...10V)

### Lighting Technology

Modario® basis modules with open lamp distribution | lighting technology can be determined by supplementary elements such as PMMA HDP® and reflectors of sheet steel or aluminium



### Modario® | luminaire insert basic module | open lamp distribution

For mounting to Modario® trunking rail, module size 299mm, sheet steel housing, metallic grey or pure white



Order No.	Module Size	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with thr. wiring 5 x 2.5 mm<sup>2</sup>, pure white</b>					
STR 101 5-0H	4 x SE	1196	58	43	2.0
STR 102 5-0H	8 x SE	2392	58	43	3.6
STR 103 5-0H	12 x SE	3588	58	43	5.2
STR 104 5-0H	16 x SE	4784	58	43	6.8
STR 101 5-0Q	5 x SE	1495	58	43	2.4
STR 102 5-0Q	10 x SE	2990	58	43	4.4
STR 103 5-0Q	15 x SE	4485	58	43	6.4

0: pure white (similar to RAL 9010) 6: metallic grey (RAL 9006)

5: with thr. wiring 5 x 2.5 mm<sup>2</sup> A: with thr. wiring 10 x 2.5 mm<sup>2</sup>



### Modario® | trunking rail | for surface or suspended mounting

5 or 10-core wiring as standard, sheet steel, metallic grey or pure white, module size: 1 system unit (1SE) = 299mm



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
STR 301 7-1H	1xT16 28/54W	G5	1196	58	85	0.9
STR 301 7-1Q	1xT16 35/49/80W	G5	1495	58	85	1.0
STR 301 7-2H	2xT16 28/54W	G5	1196	58	85	0.9
STR 301 7-2Q	2xT16 35/49/80W	G5	1495	58	85	1.1

0: pure white (similar to RAL 9010) 6: metallic grey (RAL 9006)

7: ECG Multiwatt 6: ECG Multiwatt (L-10V) D: ECG Multiwatt DALI

trunking rail with 1.5mm<sup>2</sup> through-wiring and trunking rail with 3-core through-wiring on request.



### Modario® power module

Open lamp or direct/indirect distribution, HDP® enclosure of PMMA, with ECG, for 1 or 2 circuits



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>aluminum housing, metallic grey (RAL9006), open lamp distribution</b>						
STR 765 7-4X	4xT16 80W	G5	1495	411	101	12.0

**aluminum housing, metallic grey (RAL9006), two circuits, open lamp distribution**

STR 765 7-4X2	4xT16 80W	G5	1495	411	101	11.0
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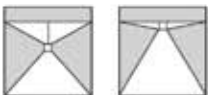
**light sail**

STR 760 0-0Q	T16		1400	440	530	1.5
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7: ECG 6: ECG (L-10V) D: ECG DALI

5: open lamp distribution 6: direct/indirect distribution

please order Modario® trunking rail and light sail separately



## Modario® Trunking Rail Accessories



end cap



X, T, L elements



central feed

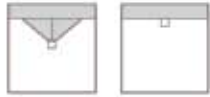


rotatable connector

Description	PU / L (mm)	Wt (kg)	Order No.
end cap for trunking rail, plastic, transparent   incl. terminal for infeed	set of 2	0.1	STR 901 6
X-element, sheet steel with plastic cladding, IP20	454 x 454 x 43	3.2	STR 901 7-3
T-element, sheet steel with plastic cladding, IP20	454 x 265 x 43	2.7	STR 901 7-2
L-element, sheet steel with plastic cladding, IP20	265 x 265 x 43	1.6	STR 901 7-1
central feed for trunking rail, sheet steel, IP20, pure white	1196	2.0	STR 909 2-AH
central feed, pure white	1495	2.5	STR 909 2-AQ
rotatable trunking rail connector, pure white	set of 2	1.4	STR 901 1-01

0: pure white 6: metallic grey (RAL 9006)

please order trunking rail and optical accessories separately

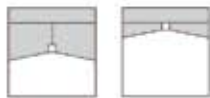


### Modario® | HDP-reflector | for quick mounting on luminaire insert (basis module)

Transparent PMMA reflector, glare restriction with HDP® technology (s UGR19)

Order No.	Lamps (W)	Lamps 2	L (mm)	W (mm)	H (mm)	Wt. (kg)
direct/indirect wide distribution, transparent PMMA reflector and lower enclosure						
STR 603 5-0H	1xT16 28/54W	2xT16 28W	1193	186	90	1.8
STR 603 5-0Q	1xT16 35/49/80W	2xT16 35/49W	1493	186	90	2.2
STR 601 5-0H	1xT16 28/54W	2xT16 28W	1193	186	90	1.8
STR 601 5-0Q	1xT16 35/49/80W	2xT16 35/49W	1493	186	90	2.2

5: direct/indirect wide distribution    2: direct/indirect extremely wide distributio



### Modario® | shop reflector | for quick mounting on luminaire insert (basis module)

Aluminium reflector with semi-specular exterior, with continuous row mounting, overlapping joints

Order No.	Lamps (W)	L (mm)	W (mm)	H (mm)	Wt. (kg)
shop reflector, direct/indirect distribution					
STR 564 9-0H	1/2xT16 28/54W	1196	185	84	0.5
STR 564 9-0Q	1/2xT16 35/49/80W	1495	185	84	0.5

4: direct/indirect distribution    2: direct distribution

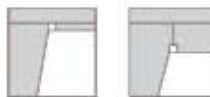


### Modario® | reflector | for quick mounting on luminaire insert (basis module)

Aluminium reflector with semi-specular outer surface, highly specular inner, continuous row mounting, overlapping joints

Order No.	Lamps (W)	L (mm)	W (mm)	H (mm)	Wt. (kg)
extremely narrow direct distribution					
STR 561 3-0H	1/2xT16 28/54W	1200	213	119	0.3
STR 561 3-0Q	1/2xT16 35/49/80W	1499	213	119	0.3

3: extremely narrow direct distribution    1: direct medium distribution



### Modario® | reflector | for quick mounting on luminaire insert (basis module)

Aluminium or sheet steel reflector with semi-specular outer surface, overlapping joints with continuous row mounting

Order No.	Lamps (W)	L (mm)	W (mm)	H (mm)	Wt. (kg)
reflector white, direct asymmetrical wide distribution, aluminum reflector					
STR 501 4-0H	1/2xT16 28/54W	1200	90	55	0,3
STR 501 4-0Q	1/2xT16 35/49/80W	1499	90	55	0,4

6: aluminum reflector    0: sheet steel reflector



### Modario® | reflector | for quick mounting on luminaire insert (basis module)






Aluminium or sheet steel reflector with semi-specular outer surface, overlapping joints with continuous row mounting

Order No.	Lamps (W)	L (mm)	W (mm)	H (mm)	Wt. (kg)
direct extremely wide distribution, aluminum reflector					
STR 561 2-0H	1/2xT16 28/54W	1200	117	55	0.2
STR 561 2-0Q	1/2xT16 35/49/80W	1499	117	55	1.0







6: aluminum reflector    0: sheet steel reflector



### Modario Optical Accessories

	Description	PU / L (mm)	Wt (kg)	Order No.
	end cap for HDP® reflector, transparent plastic, clip-on mounting	set of 2		5TR 906 6
	connector for HDP® Reflector, spring steel, specular	set of 2		5TR 906 7
	connector for HDP® Reflector, for prismatic enclosure (not shown)	set of 2		5TR 906 7-5
	end cap for medium distribution reflector	set of 2		5TR 905 6-1
	end cap for extremely wide distribution reflector	set of 2		5TR 905 6-2
	end cap for asymmetrical distribution reflector	set of 2		5TR 905 6-4
	lamp shield for shop reflector, for 1/2 x T16 28/54W	1196	0.2	5TR 905 8-0H
	lamp shield for shop reflector, for 1/2 x T16 35/49/80W	1495	0.2	5TR 905 8-0Q
	lamp shield for shop reflector, for 1/2 x T16 28/54W	1196	0.2	5TR 905 4-0H
	lamp shield for shop reflector, for 1/2 x T16 35/49/80W	1495	0.2	5TR 905 4-0Q
	end cap for shop reflector, transparent plastic, clip-on mounting	set of 2		5TR 905 6-42
	connector for shop reflector (not shown)	set of 2		5TR 905 7-9
	cross-blade louvre, white, for 1/2 x T16 28/54W	1196	0.5	5TR 500 8-2H
	cross-blade louvre, white, for 1/2 x T16 35/49/80W	1495	0.5	5TR 500 8-2Q

### Modario Mounting Accessories

	Description	Order No.
	ceiling mounting clip	5LS 911 0-1EA
	ceiling mounting clip with caddy clip	5TR 901 4-2
	wire suspension with loop	5TR 901 3-02
	wire suspension with caddy clip	5TR 901 3-22
	wire suspension with canopy, white, without terminal	5TR 901 3-12
	wire suspension with canopy, white, with terminal	5TR 901 3-32
	chain suspension for trunking rail	5TR 901 2
	0: pure white    6: metallic grey (RAL 9006)	
		
		

for further accessories, please contact with sales department





## Damp-Proof Luminaires



**Monsun®**  
Page 66



**Siplast**  
Page 67



**Sibant Batten  
Luminaire**  
Page 68

## High Bay Luminaires



**Sifab**  
Page 70



**SNX300**  
Page 71



**5NJ350**  
Page 71



**Canopy**  
Page 72



**Siteco Louvre  
Luminaire M**  
Page 74



**Siteco Louvre  
Luminaire M**  
Page 74

## Further Product Ranges



FR 100/200



FR 500



NJ600



Compact  
Reflector

## Monsun®

The damp-proof diffuser luminaires of the Monsun® family have been designed for the special ambient conditions presented by industrial manufacturing. A robust housing of glass-fibre reinforced plastic, an impact-resistant PMMA or PC enclosure with high quality prismatic technology and a special gasket system withstand temperature fluctuations, critical moisture conditions and difficult ambient conditions.

High quality diffuser catches and mounting elements of stainless steel make the luminaire highly reliable. The Monsun® luminaires with either T16 or T26 fluorescent lamps feature IP65 protection and in combination with the PC enclosure, impact resistance of IK07. Monsun® luminaires are suitable for ceiling surface-mounting, suspended mounting and single or continuous row arrangements with rails.

### Housing Technology

Glass-fibre reinforced polyester resin housing, resistant to corrosion, fire and ignition and largely unaffected by aggressive influences | V2A enclosure catches and mounting elements | inner reflector functions as gear tray for all electrical parts and is secured within housing by snap-fitting | housing and enclosure are completely recyclable



### Electrics

Luminaires wired ready for connection | Insulation class I with 3-pole terminal, insulation class II with 2-pole terminal (ECG DALI or ECG dimming: + 2-pole for control signal), max. 2.5 mm<sup>2</sup> | cable gland for cables or conduits with dia. 8.5-13.5 mm | as standard with ECG, ECG DALI or ECG dimming (1-10V) | luminaires suitable for through-wiring (with special wiring sets) within luminaire (insulation class I) or inc. 4 x 1.5 mm<sup>2</sup> through-wiring (with insulation class II)

Variations with emergency lighting function | safe and trouble-free dimming of fluorescent lamps is only guaranteed with ambient temperatures of > 10° | Limited use with lower temperatures (please ask)

### Lighting Technology

- Injection moulded prismatic enclosure incorporating inner prism optics for direct wide distribution
- Narrow or asymmetrical distribution with supplementary reflector (accessory)





### Monsun® with prismatic enclosure of PMMA or PC | T16 | insulation class I

For ceiling, suspended or upon a rail mounting, glass-fibre reinforced polyester housing, grey; enclosure catches of V2A



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SLS 412 7-1M	1xT16 14W	G5	667	84	102	1.4
SLS 412 7-1Y	1xT16 24W	G5	667	84	102	1.4
SLS 412 7-1P	1xT16 28W	G5	1277	84	102	2.3
SLS 412 7-1R	1xT16 35W	G5	1577	84	102	2.6
SLS 412 7-1F	1xT16 49W	G5	1577	84	102	2.6
SLS 412 7-1J	1xT16 54W	G5	1277	84	102	2.3
SLS 412 7-1X	1xT16 80W	G5	1577	84	102	2.6
SLS 412 7-2M	2xT16 14W	G5	667	130	110	1.8
SLS 412 7-2Y	2xT16 24W	G5	667	130	110	1.8
SLS 412 7-2P	2xT16 28W	G5	1277	130	110	3.0
SLS 412 7-2R	2xT16 35W	G5	1577	130	110	3.6
SLS 412 7-2F	2xT16 49W	G5	1577	130	110	3.6
SLS 412 7-2JE	2xT16 54W	G5	1577	130	110	3.6

7: ECG, D/F    6: ECG(1..10V), D/F    D: ECG DALI, D/F    1: enclosure of PC    2: enclosure of PMMA



### Monsun® with prismatic enclosure of PMMA or PC | T26 | insulation class I

For ceiling, suspended or upon a rail mounting, glass-fibre reinforced polyester housing, grey; enclosure catches of V2A



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SLS 412 7-1A	1xT26 18W	G13	667	84	102	1.4
SLS 412 7-1C	1xT26 36W	G13	1277	84	102	2.3
SLS 412 7-1E	1xT26 58W	G13	1577	84	102	2.6
SLS 412 7-2A	2xT26 18W	G13	667	130	110	1.8
SLS 412 7-2C	2xT26 36W	G13	1277	130	110	3.0
SLS 412 7-2E	2xT26 58W	G13	1577	130	110	3.6

7: ECG, D/F    6: ECG(1..10V), D/F    D: ECG DALI, D/F    1: enclosure of PC    2: enclosure of PMMA

for luminaires with insulation class II, please contact with sales department.

## Monsun® Accessories



aluminum reflector



mounting set

#### Description

aluminum, specular reflector, symmetrical narrow distribution, for T16

Description	Order No.
reflector for 1 x T16 14/24W	SLS 442 0-1MS
reflector for 1 x T16 28/54W	SLS 442 0-1PS
reflector for 1 x T16 35/49/80W	SLS 442 0-1RS
reflector for 2 x T16 14/24W	SLS 442 0-2MS
reflector for 2 x T16 28W	SLS 442 0-2PS
reflector for 2 x T16 35/49/54W	SLS 442 0-2RS

aluminum, specular reflector, asymmetrical distribution, for T26

Description	Order No.
reflector for 1 x T26 36W	SLS 443 0-1CS
reflector for 1 x T26 58W	SLS 443 0-1ES
reflector for 2 x T26 36W	SLS 443 0-2CS
reflector for 2 x T26 58W	SLS 443 0-2ES

mounting set for mounting to DUS rail, 2 pc. required per luminaire, set of 6

3: asymmetrical distribution    2: symmetrical distribution

SLS 440 0-2

# Siplast

The damp-proof luminaires of the SiPLAST® T8 and T5 family have been designed for the special ambient conditions presented by industrial manufacturing. A robust housing of glass-fibre reinforced plastic, impact-resistant silicate glass or PC lamp protection tubes (as accessories) and a special gasket system withstand temperature fluctuations, critical moisture conditions and difficult ambient conditions.

## Housing Technology

Two-part glass-fibre reinforced polyester housing, resistant to corrosion, fire and ignition and largely unaffected by aggressive influences | lamp protection tubes of silicate glass or PC, specular protection tube reflectors of PMMA (as accessories) | housing and optical accessories are recyclable

## Electrics

Luminaires wired ready for connection | with 2-pole terminal, max. 2.5 mm<sup>2</sup> | with ECG as standard | starters accessible from outside | luminaires suitable for through-wiring (with special wiring sets) within luminaire

## Lighting Technology

• Damp-proof luminaires with open distribution



## SiPLAST® T5/T8 | open lamp distribution

▽ IP 65 □ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>T16, with ECG, glass-fibre reinforced polyester housing, grey; with lamp holders</b>						
5LS 217 7-1P	1xT16 28W	G5	1227	126	126	1.5
5LS 217 7-1R	1xT16 35W	G5	1527	126	126	1.8
5LS 217 7-1F	1xT16 49W	G5	1227	126	126	1.8
5LS 217 7-1J	1xT16 54W	G5	1527	126	126	1.5
5LS 217 7-1X	1xT16 80W	G5	1527	126	126	1.8

## T26, with ECG, glass-fibre reinforced polyester housing, grey; with lamp holders

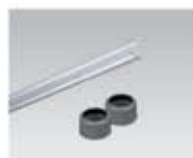
5LS 216 7-1A	1xT26 18W	G13	650	130	128	1.1
5LS 216 7-1CT1	1xT26 36W	G13	1260	130	120	1.7
5LS 216 7-1ET1	1xT26 58W	G13	1560	130	120	1.9
5LS 216 7-2CT1	2xT26 36W	G13	1260	130	107	1.9
5LS 216 7-2ET1	2xT26 58W	G13	1560	130	107	2.2

1: 1xT16 .W      2: 2xT16 .W

## SiPLAST® Accessories



reflector



protection tube

Description	Order No.
reflector, symmetrical wide distribution, sheet steel, white for 1/2 x T26 36W	5LX 216 1-0CB1
for 1/2 x T26 58W	5LX 216 1-0EB1
silicate glass protection tube, Ø 38 mm, transparent for T26 18W	5LS 215 0-1AG
for T26 36W	5LS 215 0-1CG
for T26 58W	5LS 215 0-1EG
ring holder, D = 38 mm for protection tube, 18W	5LY 308 1
ring holder, D = 38 mm for protection tube, 36W/58W	5LS 216 0-1XK

# Sibant

The open distribution Sibant luminaire for wall surface mounting, ceiling surface mounting and suspended mounting has been optimized for the use of T26 single and twin lamps. The housing enclosure of the slimline luminaire can be mounted easily without use of tools. Symmetrical and wide distribution can be achieved with suitable accessory reflectors.

## Housing Technology

Sheet steel housing, coated pure white (similar to RAL 9010), with optimized cross-section for T16 and T26 fluorescent lamps | plastic end caps with designer ribbed surface, flush fitting for alignment and fixing with continuous row arrangements | suspension via wire or chain with suitable hanging bracket (as accessory)



## Electrics

Luminaires wired ready for connection | with 3-pole terminal (ECG or ECG dimming: 3-pole + 2-pole for control signal), max. 2.5 mm<sup>2</sup> | with ECG, ECG DALI or ECG dimming (1...10V) | further electrical equipment on request

## Lighting Technology

- Battens with open distribution
- Reflector with direct wide distribution



## Sibant

With single/double lamp, suitable for batten and continuous row applications

▽ IP 20 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>single lamp</b>						
5LX 100 7-1A	1xT26 18W	G13	622	55	80	1.20
5LX 100 7-1C	1xT26 36W	G13	1232	55	80	0.75
5LX 100 7-1E	1xT26 58W	G13	1532	55	80	2.40

## double lamp

5LX 100 7-2A	2xT26 18W	G13	622	110	60	1.40
5LX 100 7-2C	2xT26 36W	G13	1232	110	60	2.50
5LX 100 7-2E	2xT26 58W	G13	1532	110	60	3.40

7: ECG 1: CCG 6: ECG (1...10 V)

## Sibant Accessories



reflector

Order No.	Lamps	L (mm)	W (mm)	H (mm)
<b>reflector for Sibant</b>				
5LX 140 1 2-AD	1/2xT26 18W	628	205	93
5LX 140 1 2-CD	1/2xT26 36W	1228	205	93
5LX 140 1 2-ED	1/2xT26 58W	1528	205	93

## Sifab

High bay luminaires of Sifab family feature a robust and high quality housing and they are characterized by a functional design and are suitable for most basic applications. They have been designed for a variety of lamps specifications and can be individually configured for lighting tasks within high halls, sport halls, industrial areas, etc. Luminaires with aluminium profiled housing with use of protective accessories (protective grid, cover glass) feature high protection rates (IP54). Luminaires meet variety of lighting demands with use of different type of reflectors, enabling wide or narrow light distribution.



### Housing Technology

1 mm DKP sheet steel housing, electrostatic powder coated for standard type (IP20) | anodized aluminium profiled housing for damp proof type (IP54) | control gear or reflector can be directly fixed to housing |

### Electrics

Luminaires wired ready for connection | all electrical components integrated within housing | for lamping with high-pressure lamps (with CCG p.f. corrected) | further electrical equipment on request

### Lighting Technology

Aluminum plain or faceted reflector; wide or narrow distribution | aluminium profiled housing with use of protective accessories (protective grid, cover glass)



## Standard high bay luminaire | IP20

▽ IP 20 ⊕

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>mercury lamp</b>					
SNX 541-1C	1xHME 125W	375	195	145	4.40
SNX 541-1E	1xHME 250W	375	195	145	5.90
SNX 541-1F	1xHME 400W	375	195	145	6.80

**high pressure sodium lamp**

SNX 551-1E	1xHSE 250W	375	195	145	6.65
SNX 551-1F	1xHSE 400W	375	195	145	8.10

**metal halide lamp**

SNX 561-1E	1xHIE 250W	375	195	145	6.05
SNX 561-1F	1xHIE 400W	375	195	145	6.95



## High bay luminaire with aluminium profiled housing | IP54

▽ IP 54 ⊕

Order No.	Lamps	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>mercury lamp</b>					
SNX 140 1-1C	1xHME 125W	160	150	380	4.85
SNX 140 1-1E	1xHME 250W	160	150	380	5.45
SNX 140 1-1F	1xHME 400W	160	150	380	6.85

**high pressure sodium lamp**

SNX 150 1-1E	1xHSE 250W	160	150	380	6.75
SNX 150 1-1F	1xHSE 400W	160	150	380	8.15

**metal halide lamp**

SNX 160 1-1E	1xHIE 250W	160	150	380	6.15
SNX 160 1-1F	1xHIE 400W	160	150	380	7.00



## Sifab Accessories



aluminium reflector

Order No.	∅ (mm)	H (mm)	Box	Wt. (kg)
<b>aluminium reflector for standard and aluminum profiled housing luminaires</b>				
SNX-R	440	290	7	0.65
SNX-FR	440	265,5	7	0.67

R: aluminum plain reflector      FR: faceted reflector



protective accessories

Order No.	∅ (mm)	Box	Wt. (kg)
<b>protective accessories for aluminium reflectors</b>			
SNX-140TK	440	5	0.50
SNX-140C	440	5	1.8
SNX-140TKC	440	2	2.30

TK: protective grid      C: cover glass      TKC: protective grid + cover glass



### 5NX300 high bay reflector luminaire



Order No.	Lamps (W)	Socket	DA (mm)	H (mm)	Wt. (kg)
<b>upper part luminaire</b>					
5NX 341 B-1N	1xHIE 70W	E27	293	350	4.20
5NX 341 B-1D	1xHIE 150W	E27	293	350	4.85
5NX 341 B-1E	1xHIE/HSE 250W	E40	293	350	6.80
5NX 341 B-1F	1xHIE 400W	E40	293	350	6.80
5NX 341 B-1X	1xHME 250W	E40	293	350	5.00
5NX 341 B-1Y	1xHME 400W	E40	293	350	6.00
5NX 351 B-1F	1xHSE 400W	E40	293	350	7.50
5NX 341 7-1W	1xTC-TEL 60/85/120W	2G8	293	350	3.20

please order reflector and upper part luminaire separately



### 5NJ350 high bay reflector luminaire

With aluminium faceted reflector, housing of die cast aluminum, wide/narrow distribution



Order No.	Lamps (W)	Socket	DA (mm)	H (mm)	Wt. (kg)
<b>with aluminium faceted reflector, wide distribution</b>					
5NJ 351 3-1EN	1xHIE/HSE 250W	E40	433	501	7.00
5NJ 351 3-1FN	1xHIE 400W	E40	433	501	8.60
5NJ 351 3-1XN	1xHME 250W	E40	433	501	6.60
5NJ 351 3-1YN	1xHME 400W	E40	433	501	8.10

**with aluminium reflector, narrow distribution**

5NJ 352 3-1EN	1xHIE/HSE 250W	E40	433	534	7.00
5NJ 352 3-1FN	1xHIE 400W	E40	433	534	8.60
5NJ 352 3-1XN	1xHME 250W	E40	433	534	6.60
5NJ 352 3-1YN	1xHME 400W	E40	433	534	8.10

complete luminaire; including upper part and aluminium reflector

### 5NX300 Accessories



transparent PMMA prismatic reflector



aluminium reflector



cover glass

Order No.	Description	DA (mm)	H (mm)	Wt. (kg)
<b>transparent PMMA prismatic reflector for 5NX300 luminaires</b>				
5NX 311 0-00	wide distribution PMMA prismatic reflector	565	370	2.40
5NX 321 0-00	wide distribution PMMA prismatic reflector	410	285	1.80
5NJ 316 0-00	narrow distribution PMMA prismatic reflector	565	370	3.00

Order No.	Description	DA (mm)	H (mm)	Wt. (kg)
<b>aluminium reflector for 5NX300 luminaires</b>				
5NJ 300 EURO	wide distribution aluminium plain reflector	435	290	0.60
5NJ 300 EURO 1	wide distribution aluminium faceted reflector	435	260	0.65
5NJ 332 000	narrow distribution aluminium plain reflector	522	335	1.10

Order No.	Description	DA (mm)	Wt. (kg)
<b>cover glass for 5NX300 reflector, IP43</b>			
5NX 140 C	with cover glass	440	1.80
5NX 140 TKC	protective grid + cover glass	440	2.00

# Canopy

## Housing Technology

DKP sheet steel housing, electrostatic powder coated, white (RAL9010) [suitable for all ceiling types] tempered protection glass which can be opened for maintenance without tools

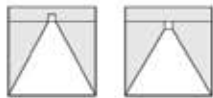
## Electrics

Luminaires wired ready for connection | insulation class I with 3-pole terminal | IP65

## Lighting Technology

- Symmetric distribution, wide
- Flat tempered glass
- Specular aluminium reflector

Canopy luminaires with their compact and rectangular form feature a robust and high quality construction. They are specially designed for high bay and outdoor applications; especially for petrol stations. Recessed and surface mounted luminaires of canopy family are suitable for all ceiling types.



## Canopy luminaire | for recessed or surface mounting

▽ IP 65 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
for recessed mounting, symmetric distribution						
SNX 766 2-KS1L	1xHIT-DE 150W	Rx7s	440	440	190	10.5
SNX 766 2-DS1L	1xHIT-DE 150W	Rx7s	500	440	190	10.5

for recessed mounting, asymmetric distribution

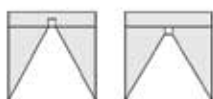
SNX 766 2-KA1L	1xHIT-DE 150W	Rx7s	440	440	190	10.5
SNX 766 2-DA1L	1xHIT-DE 150W	Rx7s	500	440	190	10.5

for surface mounting, symmetric distribution

SNX 866 2-KS1L	1xHIT-DE 150W	Rx7s	445	485	210	10.5
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for surface mounting, asymmetric distribution

SNX 866 2-KA1L	1xHIT-DE 150W	Rx7s	445	485	210	10.5
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## Canopy luminaire | for surface or recessed mounting

▽ IP 65 ⊕

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)	DA (mm)
for surface mounting, symmetric distribution							
SNX 866 2-1E	1xHIT 250W	E40	500	360	170	9.5	
SNX 866 2-1F	1xHIT 400W	E40	500	360	170	10.2	

for surface mounting, asymmetric distribution

SNX 866 2-1EA	1xHIT 250W	E40	500	360	170	9.5	
SNX 866 2-1FA	1xHIT 400W	E40	500	360	170	10.2	

for recessed mounting, symmetric distribution

SNX 766 2-1E	1xHIT 250W	E40	570	430	172	12.1	532x390
SNX 766 2-1F	1xHIT 400W	E40	570	430	172	12.8	532x390

for recessed mounting, asymmetric distribution

SNX 766 2-1EA	1xHIT 250W	E40	570	430	172	12.1	532x390
SNX 766 2-1FA	1xHIT 400W	E40	570	430	172	12.8	532x390

## Siteco Louvre Luminaire M

Siteco Louvre Luminaire M high bay luminaires feature a robust design; flat construction as well as modern lighting technology for optimized light output ratio. Energy efficient, low maintenance T16 fluorescent lamps and high quality reflectors are used. Luminaires meet special designs and optical control requirements, ensuring very good visual conditions at very reasonable cost due to longer maintenance intervals.

Through offering a high-quality economic and optical solution for illumination of high ceiling areas, they are also ideal for industrial applications, in particularly difficult or demanding ambient conditions. Dust-tight and protected against jets of water, their robust construction ensures an exceptionally long service life in industrial and workshop premises. Those high bay luminaires also present various mounting choices; surface mounting, cable tray, suspended with wire, onto DUS trunking rail or busbar.



### Housing Technology

SLF28 Series: Sheet steel housing, coated metallic grey (RAL 9006) | louvers are mounted without tools and fixed into position with catches. They are protected with safety retaining cords and earthed for protection even when hinged downwards. | Enclosure of PC or tempered glass, can be hinged downwards on both sides | luminaires have been designed as individual luminaires for ceiling surface mounting, continuous rows (row arrangements of individual luminaires) is possible

SLX87 Series: Sheet steel housing, coated white (RAL 9016) | reflectors are protected with safety retaining cords and earthed for protection even when hinged downwards. | enclosure of tempered glass, can be hinged downwards on both sides with stainless steel lock systems | luminaires have been designed as individual luminaires for ceiling surface mounting, cable tray, suspended with wire, onto DUS trunking rail or busbar | IP54 protection index with EPDM gasket which was used in tunnel luminaires

### Electrics

SLF28 Series: Luminaires wired ready for connection | with 5-pole terminal (ECG dimming: 5-pole + 2-pole for control signal), max. 2.5 mm<sup>2</sup> | with ECG or ECG dimming (1...10V) | knock-outs at face end for through-wiring of continuous rows within luminaires (with special wiring sets or with single-core cable e.g. H07-V)

SLX87 Series: Luminaires wired ready for connection | with 3-pole connector (ECG dimming: 5-pole + 2-pole for control signal), max. 2.5 mm<sup>2</sup> | thanks to IP65 connector system no need to reach control gear in order to make connection | with ECG, ECG dimming (1...10V), DALI or PC Industry |

### Lighting Technology

SLF28 Series: Direct distribution luminaires with good glare reduction for high level of visual comfort, especially with sports where participants look upwards (such as basketball or gymnastics)

SLF87 Series: High reflectance glossy reflector | tempered glass with high transmissivity | ideal for mounting heights up to 12 meters





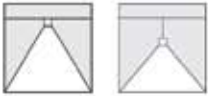
### Siteco Louvre Luminaire M | with aluminium cross blade ribbed louvre | direct distribution

For surface or suspended mounting, with transparent enclosure (PC), sheet steel housing, metallic grey (RAL 9006)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SLF 286 7-2F	2xT16 49W	G5	1492	246	67	8.6
SLF 286 7-2J	2xT16 54W	G5	1192	246	67	6.8
SLF 286 7-2X	2xT16 80W	G5	1492	246	67	8.6
SLF 286 7-3F	3xT16 49W	G5	1492	330	67	10.8
SLF 286 7-3J	3xT16 54W	G5	1192	330	67	8.6
SLF 286 7-3X	3xT16 80W	G5	1492	330	67	10.6

7: ECG 6: ECG(1.10V)



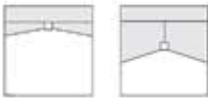
### Siteco Louvre Luminaire M | with white louvre | direct distribution

For surface or suspended mounting, with transparent enclosure (PC), sheet steel housing, metallic grey (RAL 9006)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SLF 287 7-2F	2xT16 49W	G5	1492	246	67	8.7
SLF 287 7-2J	2xT16 54W	G5	1192	246	67	6.8
SLF 287 7-2X	2xT16 80W	G5	1492	246	67	8.8
SLF 287 7-3F	3xT16 49W	G5	1492	330	67	10.7
SLF 287 7-3J	3xT16 54W	G5	1192	330	67	8.7
SLF 287 7-3X	3xT16 80W	G5	1492	330	67	10.7

7: ECG 6: ECG(1.10V)



### Siteco Louvre Luminaire M | with high reflectance glossy reflector | direct distribution

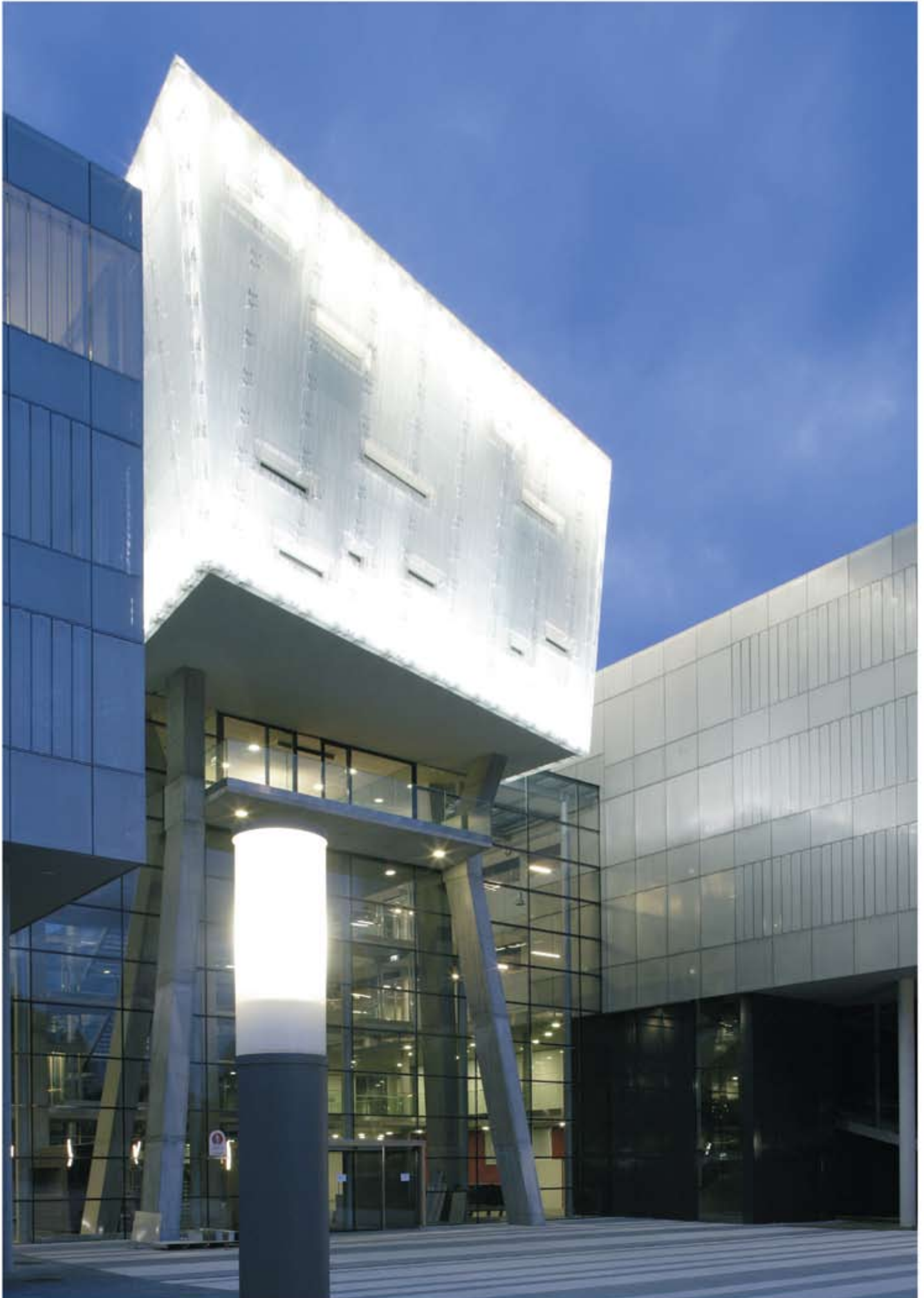
For surface or suspended mounting, with enclosure of tempered glass, sheet steel housing, white (RAL 9016)



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SLX 87C 7-2J	2xT16 54W	G5	1221	225	65	8.0
SLX 87C 7-2X	2xT16 80W	G5	1521	225	65	9.5
SLX 87C 7-3J	3xT16 54W	G5	1221	295	65	10.5
SLX 87C 7-3X	3xT16 80W	G5	1521	295	65	12.0
SLX 87C 7-4J	4xT16 54W	G5	1221	385	65	13.0
SLX 87C 7-4X	4xT16 80W	G5	1521	385	65	14.5

7: ECG 6: ECG(1.10V) D: DALI I: PC INDUSTRY





## Surface-Mounted Luminaires

## Spotlights

## Bollards

## Recessed Luminaires



**CL Ceiling 10**  
Page 78



**CL Linear Ceiling**  
Page 78



**CL Spotlight 10**  
Page 79



**CL Bollard 30**  
Page 79



**CL Bollard 90**  
Page 79



**CB 90**  
Page 82



**CL Wall 10**  
Page 78



**CL Linear Wall**  
Page 78



**CL Bollard 60**  
Page 79



**CL Bollard 120**  
Page 79



**CB 95**  
Page 82



**Citylight 120**  
Page 92

## Further Product Ranges



**R1 MINI S**  
Projector



**R2 MINI P**  
Projector



**Citylight 120 E**  
Bollard



**Citylight 260**  
Pillar Luminaire



**CW 91**  
Recessed Luminaire



**R2 MINI S**  
Projector



**R1 MINI ALU**  
Projector



**Citylight 260 E**  
Pillar Luminaire



**Citylight 260 D**  
Pillar Luminaire



**CW 96**  
Recessed Luminaire



**CP 29-1**  
Bollard

## CL Series

To render architecture visible and perceptible at night was the point of origin for the development of the CL series. It consists of spotlights, wall and ceiling surface-mounted luminaires, a linear system and bollard luminaires to form a complete package that meets the whole spectrum of needs for optimal facade and orientation lighting. The high quality design and solid construction is characterised by flush surfaces and perfect joints. This was attested by the 'International Forum Design' who awarded the CL series the iF product design award.



### Housing Technology

Robust luminaire housing of extruded (sectional) aluminum in compact design | housing surface with weather-resistant powder-coating in Siteco metallic grey (DB7025) | lamella structure increases surface area for improved thermal properties | housing design protects glass edges/gasket from direct environmental influences (UV/driving rain) | luminaire cover of toughened safety glass fixed without visible screws

### Electrics

Easy-to-use connection with high-grade terminal system (CL Bollard; with connection cable) | simplest relamping with easy one-screw opening

### Lighting Technology

- CL Wall and CL Ceiling: Dichroic cover glasses/ colour cover glasses available | various optical glasses as accessories for different light distribution patterns
- CL Spotlight: Deployed as ground, wall, and ceiling spotlight | rotatable through 180 degrees and tiltable through 90 degrees | optionally available with LED (narrow beam light distribution)
- CL Linear: Narrow/wide/asymmetric distribution via Siteco DLT system | an aluminum reflector combined with a Fresnel PMMA cover creates one of the three stipulated light distribution patterns for
- CL Bollards: One-sided and two-sided light emission | a directional and glare-reduced light distribution with Siteco HLS/High Louvre System | luminaire spacing of up to five meters due to its extremely wide beam light distribution with Siteco HPE/High Prismatic Effect



product  
design  
award

2008 ■



### CL Ceiling 10 MINI/MIDI

Surface mounted luminaire with cylindrical housing of aluminium, powder-coated in Siteco® metallic grey



Order No.	Lamps	Socket	Φ (mm)	H (mm)	Wt. (kg)
<b>CL Ceiling 10 MINI</b>					
5AA 610 0-0M	1xQPAR51 25W	GU10	102	107	1.1
<b>CL Ceiling 10 MIDI</b>					
5AA 620 9-0E	1xQR-CB51/IRC 20W	GU5.3	102	170	1.6
5AA 620 0-0M	1xQPAR51 35W	GU10	102	170	1.6

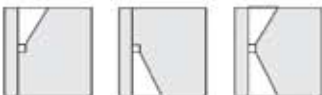


### CL Wall 10 MINI/MIDI/MAXI

Surface mounted luminaire with cylindrical housing, uplight and downlight/single-sided and twin-sided versions available

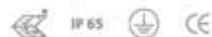


Order No.	Lamps	Socket	Φ (mm)	L (mm)	H (mm)	Wt. (kg)
<b>light emission upwards</b>						
5AA 510 0-1M	1xQPAR51 35W	GU10	102	152	102	1.8
5AA 520 9-1E	1xQR-CB51/IRC 20/35W	GU5.3	102	152	165	2.3
5AA 532 7-1K	1xHIT-TC-CE 20W	PGJ5	102	152	267	3.4
<b>light emission downwards</b>						
5AA 510 0-0M	1xQPAR51 35W	GU10	102	152	102	1.8
5AA 520 0-2M	2xQPAR51 35W	GU10	102	152	165	2.3
5AA 520 9-0E	1xQR-CB51/IRC 20/35W	GU5.3	102	152	165	2.3
5AA 530 9-2E	2xQR-CB51/IRC 20W	GU5.3	102	152	267	3.4
5AA 532 7-0K	1xHIT-TC-CE 20W	PGJ5	102	152	267	3.4



### CL Linear 60/90 Ceiling Mounting

Rectangular housing of aluminium, narrow/wide/asymmetrical light distribution with reflector and Fresnel optics

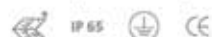


Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>CL Linear 60 ceiling mounting, asymmetrical distribution</b>						
5AA 164 7-0B	1xT16 14/24W	G5	600	60	126	4.6
<b>CL Linear 90 ceiling mounting, asymmetrical distribution</b>						
5AA 174 7-0V	1xT16 21/39W	G5	900	60	126	6.5
4: asymmetric distribution    3: wide distribution    2: narrow distribution						



### CL Linear 60/90 Wall Mounting

Rectangular housing of aluminium, narrow/wide/asymmetrical light distribution with reflector and Fresnel optics



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>light emission upwards, asymmetrical distribution</b>						
5AA 264 7-1B	1xT16 14/24W	G5	600	95	121	5.5
5AA 274 7-1V	1xT16 21/39W	G5	900	95	121	7.9
<b>light emission downwards, asymmetrical distribution</b>						
5AA 264 7-0B	1xT16 14/24W	G5	600	95	121	5.5
5AA 274 7-0V	1xT16 21/39W	G5	900	95	121	7.9
4: asymmetric distribution    3: wide, symmetric distribution    2: narrow, symmetric distribution						





### CL Spotlight 10 | for ground, wall and ceiling mounting

Cylindrical housing of aluminium, rotatable through 180 degrees, tiltable through 90 degrees via patented mounting system



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
toughened safety glass, transparent						
SAA 322 7-0K	1xHIT-TC-CE 20W	PGJ5	215	102	169	3.0
SAA 322 9-0G	LED-nw		215	102	169	3.0
SAA 320 9-0E	1xQR-CB51/IRC 20W	GU5.3	215	102	169	3.0
SAA 320 0-0M	1xQPAR51 50W	GU10	215	102	169	3.0

Please add **E** to the end of order number for CL Spotlight 10 with ground stake



### CL Bollard 30/60/90/120

Mounting on foundation or planted section, integrated gear tray, aluminium housing, single and twin-sided light emittance



Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
CL Bollard 30, light emission 1-sided, insulation class I, IP67, IK10					
SAA 411 7-1K	1xHIT-TC-CE 20W	PGJ5	125	356	3.9
SAA 411 7-1D	1xTC-DEL 18W	G24q-2	125	356	3.9

CL Bollard 60, light emission 1-sided, insulation class II, IP65, IK09

SAA 421 7-1K	1xHIT-TC-CE 20W	PGJ5	125	682	10.8
SAA 421 7-1D	1xTC-DEL 18W	G24q-2	125	682	10.8

CL Bollard 90, light emission 1-sided, insulation class II, IP65, IK09

SAA 431 7-1K	1xHIT-TC-CE 20W	PGJ5	125	880	12.6
SAA 431 7-1T	1xTC-L 24W	2G11	125	880	12.6

CL Bollard 120, light emission 1-sided, insulation class II, IP65, IK09

SAA 441 7-1K	1xHIT-TC-CE 20W	PGJ5	125	1207	18.0
SAA 441 7-1T	1xTC-L 24W	2G11	125	1207	18.0

1: light emission 1-sided      2: light emission 2-sided

### CL Wall 10, CL Ceiling 10, CL Spotlight 10 Optical Accessories



dichroic color glasses

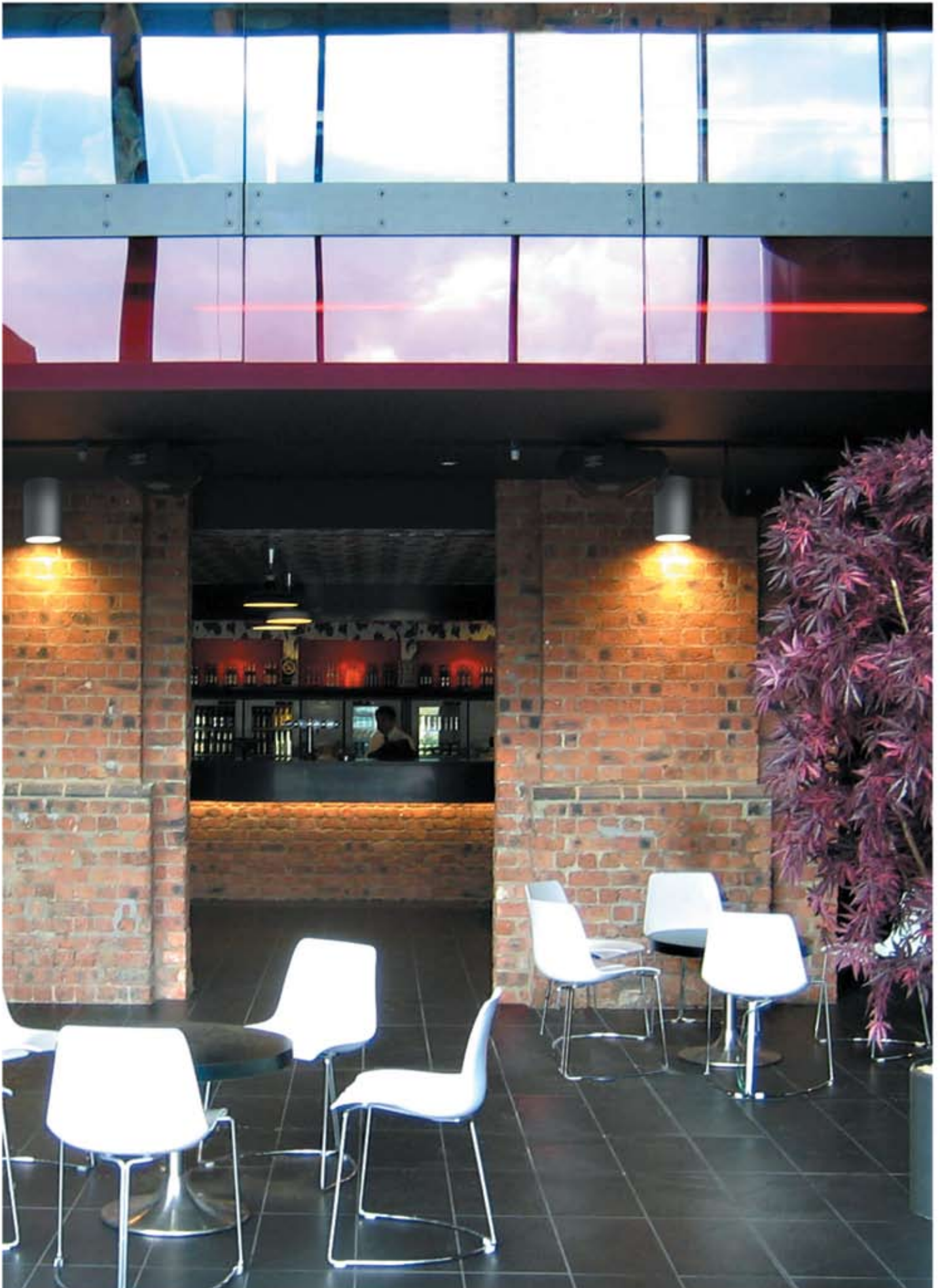


color glasses



ribbed glass

Description	Order No.
colour filter glass, dichroic Ø = 76.5 mm	
red	SAA 356 0-3X
yellow	SAA 356 0-4X
green	SAA 356 0-5X
blue	SAA 356 0-6X
colour filter glass Ø = 76.5	
red	SAA 356 0-7X
yellow	SAA 356 0-8X
green	SAA 356 0-9X
blue	SAA 356 1-0X
ribbed glass Ø = 76.5 mm	SAA 356 0-1X



## CB Luminaires

The cuboid and cylindrical luminaires of the CB family with rectangular or circular light emission apertures create narrow, medium or wide light distribution via various reflector systems.

With an insert for asymmetrical light distribution (CB 95) and an inclination of up to 10 degrees (CB 90), the CB luminaires can also be applied as wallwashers.

The application range is extended with an anti-glare screen (CB 90) and various dichroic colour glasses for retrofitting.

The solid ground recessed luminaires with stainless steel recessed housing and toughened safety glass can withstand drive over loads of up to 5000 or 6000 kg respectively.



### Housing Technology

Insulation class: I | protection rating: IP67 | encapsulated housing of diecast aluminium, accommodated in recessed casing | maximal drive over load for CB 90 to 5000 kg, CB 95 to 6000 kg | enclosure of transparent toughened safety glass with stainless steel frame | stainless steel recessed housing

### Lighting Technology

Reflector systems of anodised aluminium | CB 90 with extremely narrow, medium or wide distribution, with angle of tilt of reflector system 0° to 10° | CB 95 with symmetrical or asymmetrical distribution | optional colour glasses

### Electrics

Cable inlet via PG 13.5, optionally available for through-wiring | incl. 1 m connection cable

- + Drive-over load 5000 kg (CB 90) or 6000 kg (CB 95)
- + Toughened safety glass cover, anti-slip to choice
- + Minimal construction height of stainless steel frame
- + Variable light distribution; 0° to 10° tilt of rotatable reflector system
- + Optional colour filter glasses







### CB 90 | circular recessed ground luminaire

Diecast aluminium housing, stainless steel cover ring, reflector system with narrow, medium or wide distribution



Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
<b>wide distribution</b>					
5NA 900 1-1LS100R	1xHIT 35W	G12	250	380	8.0
5NA 900 1-1MS100R	1xHIT 70W	G12	250	380	8.5
5NA 900 1-1PS100R	1xHIT 150W	G12	250	380	9.1

#### extremely narrow distribution

5NA 900 1-1LE100R	1xHIT 35W	G12	250	380	8.2
5NA 900 1-1ME100R	1xHIT 70W	G12	250	380	8.6
5NA 900 1-1PE100R	1xHIT 150W	G12	250	380	9.1

#### semi narrow

5NA 900 1-1LB100R	1xHIT 35W	G12	250	380	8.2
5NA 900 1-1MB100R	1xHIT 70W	G12	250	380	8.5
5NA 900 1-1PB100R	1xHIT 150W	G12	250	380	9.1
5LA 900 1-1LA100	1xTC-T 26W	GX24d-3	250	380	7.3

\* variation with adjustable 0°-10 alignment of lamps



### CB 95 | rectangular ground recessed luminaire

Diecast aluminium housing, stainless steel cover ring, reflector system with symmetric or asymmetric distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	WL (kg)
<b>asymmetrical distribution</b>					
5NA 950 1-1NA100	1xHIT-DE/HST-DE 70W	RX7s	350	175	7.2
5NA 950 1-1PA100	1xHIT-DE/HST-DE 150W	RX7s-24	350	175	9.6

#### symmetrical distribution

5NA 950 1-1NS100	1xHIT-DE/HST-DE 70W	RX7s	350	175	7.2
5NA 950 1-1PS100	1xHIT-DE/HST-DE 150W	RX7s-24	350	175	9.2

## CB Optical Accessories



dichroic colour glasses

Description

dichroic colour glasses, for effect lighting, for CB 90

Order No.

red	5NX 900 0-0XG03
yellow	5NX 900 0-0XG42
green	5NX 900 0-0XG02
blue	5NX 900 0-0XG04



dichroic colour glasses

dichroic colour glasses, for effect lighting, for CB 95

red	5NX 950 0-0XG03
yellow	5NX 950 0-0XG42
green	5NX 950 0-0XG02
blue	5NX 950 0-0XG04



louvre for glare control

louvre for glare control, for CB 90

5NA 900 0-R



Secondary Reflector Luminaires



**SW DISC®**  
Page 88



**GALAXIE**  
Page 89



**SM 300**  
Page 90

Mast and Catenary Luminaires



**DL® 800**  
Page 92



**CITY LIGHT BOLLARD**  
Page 94



**CITY LIGHT PLUS**  
Page 94



**CITY LIGHT ELEGANCE**  
Page 94



**TEKTUS**  
Page 95



**DL® 500**  
Page 97



**DL® 500 Catenary Luminaire**  
Page 98



**DL® 10**  
Page 86

Further Product Ranges



**SM 500**



**FANTASIE**



**LATERN**



**MUSHROOM**



**BELL**



## DL® 10

The Siteco LED exterior luminaire combines state-of-the-art technology with a visionary design, and brings together all of the strengths of LED technology into one system.

With its white High Power LEDs, the DL® 10 illuminates streets, squares and traffic routes in accordance with relevant standards. The version with RGB LED optical waveguide system allows colour accenting of the luminaire head, which in turn provides a luminous design element for architecture and its surroundings. In combination with the Siteco Light Control (SLC) system, each individual luminaire within the system can be precisely adapted according to specific, on-site lighting demands.

### Features

- + decorative luminaire incorporating innovative LED technology
- + organically flowing form
- + perfectly matched optical system consisting of various lenses, prisms and special reflectors
- + standardised square and street lighting according to DIN EN 13201
- + effective colour accenting via patented RGB LED optical waveguide system (by superimposing the primary colours red, green and blue, thousands of different colours can be mixed)
- + homogenous luminance and uniform colour mixing over complete RGB spectrum
- + 50.000 hours of light without significant performance loss of LEDs

### Individual Light For Every Requirement

With integration of the Siteco Light Control (SLC) light management system, individual control of each luminaire within the system is made possible. Scenes can be programmed that have been matched exactly to specific lighting needs.

### White Light in Accordance With Standards

The DL® 10 creates glare-free light according to standards (DIN EN 13201) for the illumination of streets and squares. High Power LEDs have no significant performance losses over their complete service life of approximately 50.000 operating hours – maintenance requirements are reduced to a minimum.

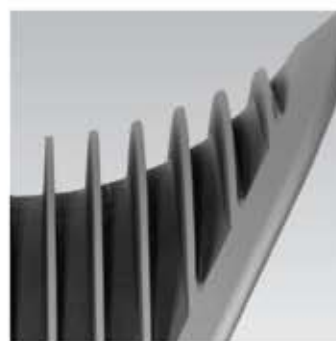
### Spectacular Coloured Light

The innovative RGB LED optical waveguide system is able to create the whole spectrum of RGB colours. Coloured luminaire heads allow squares and public areas to be attractively accentuated. The DL® 10 contributes to the vitalisation of urban areas during nocturnal hours. The luminaire can also just as effectively be implemented for companies and institutions, because with its colour characteristics it is able to represent and set in-scene image-forming colours and brand messages for companies and to specifically support corporate lighting activities.



### Optical System

A perfectly matched system of lenses and special reflectors guarantees precise control and distribution of light, with a pleasant white light colour.



### Thermal Management

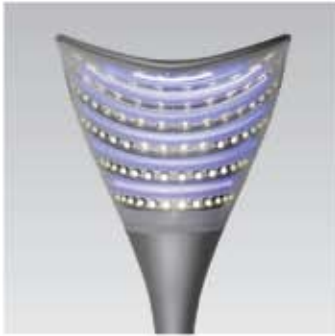
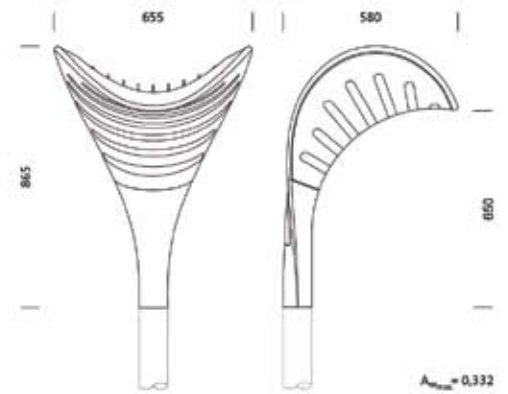
The cooling ribs are not just a striking design element. At the same time they fulfil an important functional requirement, perfectly implementing the advanced thermal management between LEDs and housing.



### DL® 10 with white LED, optionally with RGB

DL® 10 LED mast luminaire for post-top mounting | with white LED and matching optical system of lenses, reflectors and prisms, asymmetrical beam for homogenous, extremely wide light distribution; optionally with RGB LED optical waveguide system with diffuse distribution for colour accentuation | with ECG | housing of diecast aluminium, Siteco metallic grey (DB 7025); cover of PMMA, transparent, partly frosted | Control via reducing signal (DL® 10 without RGB) or via digital interface (SLC luminaire controller for DL® 10 without RGB and DL® 10 with RGB)

IP 65



Order No.

SXA D10 1-401W

SXA D10 2-401C

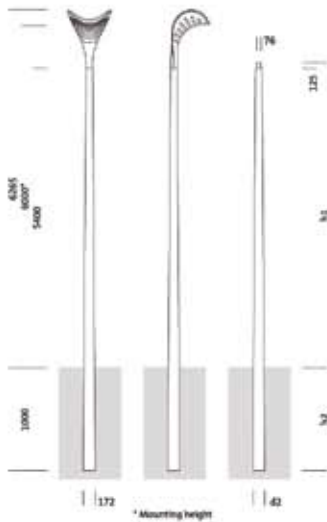
Type

DL® 10 without RGB LED optical waveguide system

DL® 10 with RGB LED optical waveguide system\*

\* please order Architainment software for RGB control separately

## Masts and Accessories



### Masts for DL® 10

with offset spigot1, round tapered | door size 85 x 400 mm | powder-coated in Siteco metallic grey (similar to DB 7025) | 1 spigot size 76 x 125 mm

Type	MH (mm)	h1 (mm)	h2 (mm)	d2 (mm)	Order No.
Mast H = 4 m	4500	4000	1000	172	5NY 318 7-40KM08
Mast H = 5.4 m	6000	5400	1000	172	5NY 318 7-54KM08

Type

Siteco Light Control luminaire controller\* (1 x per luminaire)

Order No.

5EA 3CU D-101

Type

Architainment software for RGB control  
for configuration of lighting scenes (1 x per system)

Order No.

5EA 053 0-1

\* Further information concerning Siteco Light Control can be found at [www.siteco.com](http://www.siteco.com), from the Siteco Light Control brochure or from the current Exterior Lighting Tools catalogue.

## SW DISC®

SWDISC® luminaires are based on the principle of the Siteco Mirrortec® secondary reflector system. A projector generates focused light that is precisely directed via a deflection reflector. The facets of the reflector cause a highly-efficient light point resolution.

The secondary reflector technology generates a glare-free, harmonious light distribution, allowing precise light control. The SWDISC® is ideal for lighting squares, city centers and parks.

In the SWDISC® 3 variation the projector is mounted directly on the mast, in the SWDISC® 1 variation the projector and canopy reflector are attached horizontally to the mast, the SWDISC® 2 variation is attached to the mast with curved connection elements.



- + Glare-free illumination with optimized efficiency through innovative Siteco Mirrortec® secondary reflector technology
- + Optimized light distribution for the lighting of squares and for street lighting
- + Use of light sources with excellent colour rendering for deployment in pedestrian zones and prestigious squares
- + Relamping without tools through simple opening of the lamp compartment via bayonet catch
- + Extremely weather-resistant coating
- + Handcrafted mast connection, various mast mounting types



### Housing Technology

Insulation class: II | Protection rating: IP65 | aluminum canopy with integrated secondary reflector | steel support arms, V2A | projector made of glass-fibre reinforced polyester with flat, toughened safety glass cover | mast included in delivery (with SWDISC® 1 and 2) | high-grade, weather-resistant coating in Siteco metallic grey (DB7025)

### Electrics

Relamping without tools | electrical module accessible via bayonet catch without tools | connection via integrated, 6 m connection cable



### Lighting Technology

Reflector system with primary and secondary reflector for optimized, symmetrical or asymmetrical light distribution | uniform and glare-free lighting | glare limitation class: KB1

**SWDISC® 1**

With horizontal connection, secondary reflector technology, Siteco metallic grey surface finish

IP 65 □ † CE

Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution</b>						
SNX 266 E-1MS0A108	1xHIT-CE 70W	G12	980	730	910	25.0
SNX 266 E-1PS0A108	1xHIT-CE 150W	G12	980	730	910	27.0

**asymmetrical distribution**

SNX 266 E-1MA0A108	1xHIT-CE 70W	G12	980	730	910	25.0
SNX 266 E-1PA0A108	1xHIT-CE 150W	G12	980	730	910	27.0

**SWDISC® 2**

With curved connection, secondary reflector technology, Siteco metallic grey surface finish

IP 65 □ † CE

Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution</b>						
SNX 267 E-1MS0A108	1xHIT-CE 70W	G12	930	730	1890	25.0
SNX 267 E-1PS0A108	1xHIT-CE 150W	G12	930	730	1890	27.0

**asymmetrical distribution**

SNX 267 E-1MA0A108	1xHIT-CE 70W	G12	930	730	1890	25.0
SNX 267 E-1PA0A108	1xHIT-CE 150W	G12	930	730	1890	27.0

**SWDISC® 3**

For mast mounting post-top mounting, secondary reflector technology, Siteco metallic grey surface finish

IP 65 □ † CE

Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution</b>						
SNX 316 E-1MS08	1xHIT-CE 70W	G12	839	730	1132	22.0
SNX 316 E-1PS08	1xHIT-CE 150W	G12	839	730	1132	22.5

**asymmetrical distribution**

SNX 316 E-1MA08	1xHIT-CE 70W	G12	839	730	1132	22.0
SNX 316 E-1PA08	1xHIT-CE 150W	G12	839	730	1132	22.5



## GALAXSiE

The GALAXSiE luminaires are based on the principle of the Siteco Mirrortec® secondary reflector system. A projector generates focused light that is precisely directed via a deflection reflector. The facets of the reflector cause a highly-efficient light point resolution.

The secondary reflector technology generates a glare-free, harmonious light distribution, allowing precise light control. Characteristic of the GALAXSiE is the compact construction of the formally matched unit of projector head and circular luminaire canopy.

This serves as a support for the integrated 3 D-facetted reflector that, according to specification, generates symmetrical or asymmetrical light distribution. The GALAXSiE is ideal for lighting squares, city centers, parks and residential areas.

### Housing Technology

Insulation class: II | Protection rating: IP65 | housing of glass-fibre reinforced polyester | stainless steel support elements, V4A | aluminium diecast mast mounting element for spigot diameter 76 mm | housing with bayonet catch for toolless opening during maintenance work | high-grade, weather-resistant coating in Siteco metallic grey (DB7025) | underside of canopy in white aluminium (RAL 9006) acts as a supplementary reflector surface

### Electrics

Relamping without tools | electrical module accessible via bayonet catch without tools

### Lighting Technology

Reflector system with primary and secondary reflector for optimized, symmetrical/asymmetrical illumination



### GALAXSiE

White aluminium canopy underside (RAL 9006) with integral secondary reflector



Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution, HIT-CE</b>					
SNX 314 2-1MS08	1xHIT-CE 70W	G12	800	1075	13.7
SNX 314 2-1PS08	1xHIT-CE 150W	G12	800	1075	14.5
<b>asymmetrical distribution, HIT-CE</b>					
SNX 314 2-1MA08	1xHIT-CE 70W	G12	800	1075	13.7
SNX 314 2-1PA08	1xHIT-CE 150W	G12	800	1075	14.5





# SM 300

SM 300 luminaires are based on the principle of Siteco Mirrortec® secondary reflector system. A projector generates focused light that is directed via a deflection reflector. The facets of the reflector cause a highly-efficient light point resolution. The secondary reflector technology generates a glare-free, harmonious light distribution, allowing precise light control. The SM 300 is ideal for lighting squares, city centers and parks.

## Housing Technology

Insulation class: II | Protection rating: IP65 | Diecast aluminium support arms and mast mounting element | multi-layered canopy construction of aluminium and steel | projector housing with toughened safety glass enclosure and bayonet catch

for toolless opening during maintenance work | high-grade, weather-resistant coating in Siteco metallic grey | underside of canopy in white aluminium (RAL 9006) acts as a supplementary reflector surface

## Electrics

Relamping without tools | electrical module accessible via bayonet catch without tools.

## Lighting Technology

Reflector system with primary and secondary reflector for optimized, uniform illumination | three different light distribution patterns | narrow distribution with 20° tilted canopy | glare-free standardized illumination with large luminaire spacing | optionally with Siteco Lens Light System for minimized light emission < 3 %



## SM 300-R | with quadratic canopy

Diecast aluminium and steel housing, recommended mounting height: 5-7 m, spigot diameter: 76 mm

IP65 □ † CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution, HIT-CE</b>						
SNA 318 E-1MS08	1xHIT-CE 70W	G12	766	766	1210	32.5
SNA 318 E-1PS08	1xHIT-CE 150W	G12	766	766	1210	32.9

### asymmetrical distribution, HIT-CE

SNA 318 E-1MA08	1xHIT-CE 70W	G12	766	766	1210	32.4
SNA 318 E-1PA08	1xHIT-CE 150W	G12	766	766	1210	32.8

### asymmetrical distribution, narrow distribution, canopy tilted at 20°, HIT-CE

SNA 318 E-1MP08	1xHIT-CE 70W	G12	766	766	1210	32.4
SNA 318 E-1PP08	1xHIT-CE 150W	G12	766	766	1210	32.8



## SM 300-E | with oval canopy

Diecast aluminium and steel housing, recommended mounting height: 5-7 m, spigot diameter: 76 mm

IP65 □ † CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution, HIT-CE</b>						
SNA 320 E-1MS08	1xHIT-CE 70W	G12	985	766	1210	37.4
SNA 320 E-1PS08	1xHIT-CE 150W	G12	985	766	1210	37.8

### asymmetrical distribution, HIT-CE

SNA 320 E-1MA08	1xHIT-CE 70W	G12	985	766	1210	37.4
SNA 320 E-1PA08	1xHIT-CE 150W	G12	985	766	1210	37.8

### asymmetrical distribution, narrow distribution, canopy tilted at 20°, HIT-CE

SNA 320 E-1MP08	1xHIT-CE 70W	G12	985	766	1210	38.2
SNA 320 E-1PP08	1xHIT-CE 150W	G12	985	766	1210	38.6



## DL® 800

The most luminaires of the DL® 800 family compliment both modern and historical municipal environments with their contemporary, clear design. For different daytime effects luminaire housings can be combined with hoods of stainless steel, anodised or coated aluminium or of transparent PMMA. Optical enclosures of transparent or frosted PMMA complete the luminaire. For night effects a wide range of possible lamping and various optical accessories are available. All components of the luminaire – housing, electrical unit, reflector and enclosures – can be combined in a variety of ways. Light emission can be reduced to a minimum with a special optical enclosure. The DL® 800 is ideal for the lighting of city centers, parks and residential areas, as well as service and collection roads.



### Housing Technology

Insulation class: II | protection rating: IP66 (dustproof and water-jet proof) | pre-mounted diecast aluminium mast mounting and ring | with four different hoods | optical enclosure of transparent or frosted PMMA | bayonet catch for rapid toolless opening and closing of the optical enclosure | high-grade, weather-resistant coating in Siteco metallic grey (DB7025)



### Electrics

Toolless relamping | electrical unit realized as a compact gear tray with electric block | connection via integrated, 6 m long connection cable | reducing circuit (ECO) for all high pressure lamping

### Lighting Technology

Optical variations with a combination of enclosures and reflector inserts: Open lamp distribution for soft diffuse light | P2 pagoda reflector for wide, circular distribution | P2H pagoda reflector with inner

shielding for asymmetrical distribution with minimal light emission on the building side | A1 asymmetrical reflector for wide distribution | F1 fan-shaped reflector (F2 for TC/PL-H lamps) for optimized, circular distribution | F1H fan-shaped reflector (F2H for TC/PL-H lamps) for asymmetrical distribution with minimized light emission on the building side | Reflectors fit into keyholes in the gear tray without tools | enclosures in transparent or frosted versions | KB2 (partly shielded) with reflector inserts



## DL® 800 for mast mounting | anodised aluminium hood | frosted PMMA enclosure



Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
SNA 152 E-1LA21A08	1xHIE/HIE-CE 70W	E27	763	368	560	13.0
SNA 152 E-1OA21A08	1xHIE/HIE-CE 100W	E27	763	368	560	13.3
SNA 152 E-1QA21A08	1xHIE/HIE-CE 150W	E27	763	368	560	13.8
SNA 152 E-1MA21A08	1xHSE 50W	E27	763	368	560	13.0
SNA 152 E-1MB21A08	1xHSE 70W ECO	E27	763	368	560	13.0

A: anodised aluminum hood

B: Siteco metallic grey aluminum hood



## DL® 800 for mast mounting | stainless steel hood | transparent PMMA enclosure



Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
SNA 152 E-1LA11C08	1xHIE/HIE-CE 70W	E27	763	368	560	13.8
SNA 152 E-1OA11C08	1xHIE/HIE-CE 100W	E27	763	368	560	14.1
SNA 152 E-1QA11C08	1xHIE/HIE-CE 150W	E27	763	368	560	19.0
SNA 152 E-1MA11C08	1xHSE 50W	E27	763	368	560	13.2
SNA 152 E-1MB11C08	1xHSE 70W ECO	E27	763	368	560	13.8

C: stainless steel hood

D: transparent PMMA hood



## DL®800 2-arm, for post-top mounting | stainless steel hood | transparent PMMA enclosure



Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
SNA 152 E-1LA12C08	2xHIE/HIE-CE 70W	E27	1441	368	560	32.5
SNA 152 E-1MA12C08	2xHSE 50W	E27	1441	368	560	32.5

C: stainless steel hood

D: transparent PMMA hood



## DL®800 Optical Accessories



short fan-shaped reflector



long fan-shaped reflector



pagoda reflector



asymmetrical reflector

## Description

short fan-shaped reflector for 2xTC-L 18W

Description	Wt (kg)	Order No.	
short	F1 symmetrical illumination	0.5	SNA 140 0-0XS3
short with shield on building side	F1H asymmetrical illumination	0.6	SNA 140 0-0XS31

long fan-shaped reflector for 2xTC-L 18W or 1xTC-TEU 60/85W

Description	Wt (kg)	Order No.	
long	F2 symmetrical illumination	0.6	SNA 140 0-0XS4
long with shield on building side	F2H asymmetrical illumination	0.7	SNA 140 0-0XS41

pagoda reflector for 1xHIE/HIE-CE 70/100/150W or 1xHSE 50/70W

Description	Wt (kg)	Order No.	
pagoda ref.	P2 symmetrical illumination	0.5	SNA 140 0-0XS2
pagoda ref. with shield on building side	P2H asymmetrical illumination	0.6	SNA 140 0-0XS21

asymmetrical reflector for 1xHIE/HIE-CE 70/100/150W or 1xHSE 50/70W

Description	Wt (kg)	Order No.	
with facets and angle positioning	A1 asymmetrical illumination	0.4	SNA 140 0-0XS7

## CITY-LIGHT

The bollard and pillar luminaires of the CITY-LIGHT family are suitable for a wide variety of lighting tasks. The housing of the bollard luminaires consists of high grade extruded aluminium, the enclosure consists of impact-resistant PMMA. The CITY-LIGHT mast mounting luminaires present an installation-friendly, modular luminaire with elegant, transparent appearance and modern lighting technology. A light emission aperture above the canopy creates an interesting night-time effect. The luminaire consists of two different housing upper parts (PLUS, ELEGANCE) whose white canopy underside serves as a reflector. Optical enclosures of transparent or frosted PPM, various fan-shaped reflectors and a shield for different light distributions are also available.

The CITY-LIGHT is extremely well suited for the lighting of city centers, parks, residential areas, service and collection roads.



### Lighting Technology

Optical variations through combinations of enclosures and reflector inserts: open lamp distribution, rotosymmetrical with shield or fan-shaped reflector, asymmetrical with shield on building side | transparent or frosted PMMA enclosure | glare limitation class: KB2 with reflector inserts | optional special reflector shield for limitation of light immission



### Housing Technology

Bollards and pillar luminaires; Insulation class: II | protection rating: IP54 | direct mounting with planted section or foundation | luminaire housing of extruded aluminium | secure, removable upper luminaire parts | luminaire enclosures of impact-resistant PMMA | housing surface with weather-resistant

### Electrics

Relamping and access to all electrical components without tools | ECO reducing circuit for all high pressure lamping | 2-lamp versions can be switched individually

Mast mounting luminaires; Insulation class: I or II | Protection rating: IP54 | glassfibre reinforced plastic canopy and aluminum supporting elements | self-centering diecast aluminium mast mounting element for spigot diameter 76 mm | separate reducer for spigot diameter 60 mm, see Accessories | transparent or frosted PMMA enclosure | canopy surfaces coated in high-grade, weather-resistant | white canopy underside acts as a reflector | aluminium-colored supporting elements



## CITY-LIGHT 120 | with transparent or frosted enclosure



Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
PMMA, transparent					
SNA 528 E-1MS28	1xHSE 50W	E27	200	1200	11.4
SNA 528 E-1MR28	1xHSE 70W ECO	E27	200	1200	11.5
SNA 528 2-1AS28	1xHME 50W	E27	200	1200	10.7
SNA 528 E-1AR28	1xHME 80W ECO	E27	200	1200	10.8
SNA 528 2-2KS28	2xTC-L 18/24W	2G11	200	1200	11.3

2: PMMA, transparent 3: PMMA, frosted

other CITY-LIGHT bollard luminaires: CITY-LIGHT 120E, CITY-LIGHT 260, CITY-LIGHT 260-E, CITY-LIGHT 260-D



## CITY-LIGHT PLUS | with transparent or frosted enclosure



Order No.	Lamps	Socket	Ø (mm)	H (mm)	Wt. (kg)
insulation class I (protective earthing), with transparent enclosure					
SNA 526 E-1MS18	1xHSE 50W	E27	750	590	12.1
SNA 526 E-1MR18	1xHSE 70W ECO	E27	750	590	12.2
SNA 526 E-1NS18	1xHSE 100W	E40	750	590	12.6
SNA 526 E-1NR18	1xHSE 100W ECO	E40	750	590	12.8

insulation class II (safety insulation), with transparent enclosure

SNA 527 E-1HS18	1xHIE-CE 35W	E27	750	590	12.2
SNA 527 E-1LS18	1xHIE-CE 70W	E27	750	590	12.6
SNA 527 E-1MS18	1xHSE 50W	E27	750	590	12.3
SNA 527 E-1MR18	1xHSE 70W ECO	E27	750	590	12.4
SNA 527 E-1NS18	1xHSE 100W	E40	750	590	12.7
SNA 527 E-1NR18	1xHSE 100W ECO	E40	750	590	12.8

1: with transparent enclosure 5: with frosted enclosure



## CITY-LIGHT ELEGANCE | transparent or frosted enclosure



Order No.	Lamp Type (W)	Socket	Ø (mm)	H (mm)	Wt. (kg)
insulation class I (protective earthing), with frosted enclosure					
SNA 526 E-1MS68	1xHSE 50W	E27	750	675	12.4
SNA 526 E-1MR68	1xHSE 70W ECO	E27	750	675	12.5
SNA 526 E-1NS68	1xHSE 100W	E40	750	675	12.9
SNA 526 E-1NR68	1xHSE 100W ECO	E40	750	675	13.1

insulation class II (safety insulation), with frosted enclosure

SNA 527 E-1MS68	1xHSE 50W*	E27	750	675	12.6
SNA 527 E-1MR68	1xHSE 70W ECO	E27	750	675	12.7
SNA 527 E-1NS68	1xHSE 100W	E40	750	675	13.0
SNA 527 E-1NR68	1xHSE 100W ECO	E40	750	675	13.1

6: with frosted enclosure 2: with transparent enclosure



fan-shaped reflector  
for HP lamps



fan-shaped reflector  
for TC lamps



shield

Description	Wt (kg)	Order No.	
fan-shaped reflector for transparent enclosure			
for HP lamps	F5 symmetrical illumination	0.4	SNA 520 0-0XS
for HP lamps with shield on building side	F5H asymmetrical illumination	0.4	SNA 520 0-2XS
for TC lamps	F6 symmetrical illumination	0.4	SNA 520 0-5XS
for TC lamps with shield on building side	F6H asymmetrical illumination	0.4	SNA 520 0-5XS1
shield			
for 1 x HSE 50/70W or 1 x HIE-CE 35/70W	B3 symmetrical illumination	0.1	SNA 520 0-3XS

for other lamp alternatives and further accessories, please contact with sales department

## CITY-LIGHT Optical Accessories

# TEKTUS

TEKTUS family merges modern lighting technology with classic appeal and exclusive materials. The luminaire housing is of extremely weather-resistant bronze and is completely hand-crafted. The easy-to-install, modular luminaire is available in two sizes (MIDI/MAXI) and can be combined with a semi-spherical enclosure made of structured or transparent PMMA. When equipped with a pagoda reflector, the luminaire creates zones of rotosymmetrical light distribution. Optional shielding on the building side reduces light spill towards the facade. The TEKTUS is ideal for the illumination of lighting squares, city centers, parks, and residential areas.

## Housing Technology

Insulation class: II | Protection rating: IP44 | bronze housing and supporting elements | natural bronze, dark gunmetal burnished surface | matching design masts | PMMA enclosure

## Electrics

Tool-less access to control gear | compact electric block with mounting for reflectors | ECO reducing circuit for all high-pressure lampping

## Lighting Technology

Optical variations with combinations of enclosures and reflector inserts: open or rotosymmetrical distribution (also available with shielding on the building side) | optical enclosures: transparent or structured | glare limitation class: KB2 with reflector inserts



## TEKTUS MIDI / MAXI

Post-top mounting with integral support arm for spigot diameter 44.3 mm for MIDI, 60 mm for MAXI



Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
<b>TEKTUS MIDI, enclosure, structured, PMMA</b>						
5NA 264 E 1-MF26	1xHSE 50	E27	760	500	889	25.7
<b>TEKTUS MAXI, enclosure, transparent, PMMA</b>						
5NA 263 E-1MA16	1xHSE 50W	E27	810	710	919	28.8
5NA 263 E-1MB16	1xHSE 70W ECO	E27	810	710	919	28.8
5LA 263 2-2KA16	2xTC-L 18W	2G11	810	710	919	28.4
5LA 263 7-2KA16	2xTC-L 18W	2G11	810	710	919	27.7

1: enclosure, transparent, PMMA

2: enclosure, structured, PMMA

## DL® 500

The DL® 500 outdoor luminaire in two sizes (MIDI, MAXI) for mast and catenary mounting is equipped with state-of-the-art lighting technology with the optimum solution for energy efficiency, luminaire spacing, lighting quality and long life.

The optics consist of a high performance radial faceted reflector and high-grade luminaire enclosure. It is available with a choice of transparent PMMA enclosure or cover of toughened safety glass that is designed for the greatest possible minimization of light spill.

The DL® 500 is ideal for the lighting of service and collection roads as well as major roads and residential areas. Despite its robust design and high protection rating (IP65) the DL® 500 luminaire is simple to handle.

### Lighting Technology

Highly efficient radial faceted optics generate large area wide distribution with a high degree of uniformity | alteration of the light-band deflection via adjustable optics | high level of system efficiency with optimized light distribution and large luminaire spacing | DL® 500 MAXI catenary luminaires also available with symmetrical reflector | optical enclosure with flat cover (minimized light immission) or transparent PMMA enclosure on request | glare limitation class: KB1 with T lamps, KB2 with E lamps



### Housing Technology

Insulation class: II | Protection rating: IP65 | diecast aluminium luminaire housing and mast mounting | stainless steel support elements, V4A | all-round EPDM gasket in the housing profile | luminaire enclosure from a choice of flat cover of toughened safety glass or PMMA enclosure | can be opened and hinged downward without tools | high-grade, weather-resistant coating in Siteco metallic grey (DB702S)

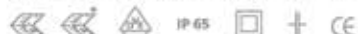
### Electrics

Toolless relamping | all electrical components mounted on removable gear tray | opens and hinges down without tools | automatic all-pole power disconnection when hinged downwards | connection via plug connectors | ECO reducing circuit for all high pressure lamping



### DL® 500 MIDI - M / MAXI - M | for post-top mounting

Aluminium housing, diecast aluminium mast mounting element, with radial faceted reflector, with flat glass cover



Order No.	Lamps	Socket	L (mm)	Φ (mm)	H (mm)	Wt. (kg)
<b>DL® 500 MIDI - M</b>						
SNA 247 E-1MT0MS08	1xHST/HSE 50W	E27	800	500	188	14.8
SNA 247 E-1MT1MS08	1xHST/HSE 70W ECO	E27	800	500	188	14.8

#### DL® 500 MAXI - M

SNA 246 E-1NT1MS08	1xHST/HSE 100W ECO	E40	900	600	210	18.6
SNA 246 E-1PT1MS08	1xHST/HSE 150W ECO	E40	900	600	210	19.4
SNA 246 E-1ST0MS08	1xHST/HSE 250W	E40	900	600	210	19.8
SNA 246 E-1NT0MS08	1xHST/HSE/HIT-CE 100W	E40	900	600	210	18.4
SNA 246 E-1PT0MS08	1xHST/HSE/HIT-CE 150W	E40	900	600	210	18.9
SNA 246 E-1MT0MS08	1xHSE 50W	E27	900	600	210	18.1
SNA 246 E-1MT1MS08	1xHSE 70W ECO	E27	900	600	210	18.1



### DL® 500 MIDI - T / MAXI - T | for post-top mounting

Aluminium housing, diecast aluminium mast mounting element, with radial faceted reflector, with flat glass cover



Order No.	Lamps	Socket	L (mm)	Φ (mm)	H (mm)	Wt. (kg)
<b>DL® 500 MIDI - T</b>						
SNA247 E-1MT0TS08	1xHST/HSE 50W	E27	1150	500	700	15.8
SNA247 E-1MT1TS08	1xHST/HSE 70W ECO	E27	1150	500	700	15.8

#### DL® 500 MAXI - T

SNA 246 E-1NT1TS08	1xHST/HSE 100W ECO	E40	1250	600	720	19.4
SNA 246 E-1PT1TS08	1xHST/HSE 150W ECO	E40	1250	600	720	20.2
SNA 246 E-1ST0TS08	1xHST/HSE 250W	E40	1250	600	720	20.6
SNA 246 E-1NT0TS08	1xHST/HSE/HIT-CE 100	E40	1250	600	720	19.2
SNA 246 E-1PT0TS08	1xHST/HSE/HIT-CE 150	E40	1250	600	720	19.7
SNA 246 E-1MT0TS08	1xHSE 50W	E27	1250	600	720	18.9
SNA 246 E-1MT1TS08	1xHSE 70W ECO	E27	1250	600	720	18.9



### DL® 500 MIDI - A / MAXI - A | for side-entry mounting

Aluminium housing, diecast aluminium mast mounting element, with radial faceted reflector, with flat glass cover



Order No.	Lamps	Socket	L (mm)	Φ (mm)	H (mm)	Wt. (kg)
<b>DL® 500 MIDI - A</b>						
SNA 247 E-1MT0AS08	1xHST/HSE 50W	E27	620	500	188	11.8
SNA 247 E-1MT1AS08	1xHST/HSE 70W ECO	E27	620	500	188	11.8

#### DL® 500 MAXI - A

SNA 246 E-1NT1AS08	1xHST/HSE 100W ECO	E40	720	600	210	15.6
SNA 246 E-1PT1AS08	1xHST/HSE 150W ECO	E40	720	600	210	16.4
SNA 246 E-1ST0AS08	1xHST/HSE 250W	E40	720	600	210	16.8
SNA 246 E-1NT0AS08	1xHST/HSE/HIT-CE 100W	E40	720	600	210	15.4
SNA 246 E-1PT0AS08	1xHST/HSE/HIT-CE 150W	E40	720	600	210	15.9
SNA 246 E-1MT0AS08	1xHSE 50W	E27	720	600	210	15.1
SNA 246 E-1MT1AS08	1xHSE 70W ECO	E27	720	600	210	15.1





### DL® 500 MIDI - S / MAXI - S | for catenary mounting | with flat glass cover

For mounting on wire suspension, aluminium housing with integral G1/2 thread, with radial faceted optics

IP 65 □ + CE

Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
<b>DL® 500 MIDI - S</b>						
SNA 247 E-1MT0SS08	1xHST/HSE 50W	E27	500	500	200	11.1
SNA 247 E-1MT1SS08	1xHST/HSE 70W ECO	E27	500	500	200	11.1

### DL® 500 MAXI - S

SNA 246 E-1ST0SS08	1xHST 250W	E40	600	600	229	17.8
SNA 246 E-1NT0SS08	1xHST/HIT-CE 100W	E40	600	600	229	15.4
SNA 246 E-1PT0SS08	1xHST/HIT-CE 150W	E40	600	600	229	16.8
SNA 246 E-1NT1SS08	1xHST/HSE 100W ECO	E40	600	600	229	15.7
SNA 246 E-1PT1SS08	1xHST/HSE 150W ECO	E40	600	600	229	16.7
SNA 246 E-1MT0SS08	1xHSE 50W	E27	600	600	229	14.6
SNA 246 E-1MT1SS08	1xHSE 70W ECO	E27	600	600	229	14.2



### DL® 500 MIDI - K / MAXI - K | for catenary mounting via plug-in coupling | with flat glass cover

For mounting on wire suspension via plug-in coupling, aluminium housing, with radial faceted optics

IP 65 □ + CE

Order No.	Lamps	Socket	L (mm)	Ø (mm)	H (mm)	Wt. (kg)
<b>DL® 500 MIDI - K</b>						
SNA 247 E-1MT0KS08	1xHST/HSE 50W	E27	500	500	237	11.2
SNA 247 E-1MT1KS08	1xHST/HSE 70W ECO	E27	500	500	237	12.0

### DL® 500 MAXI - K

SNA 246 E-1ST0KS08	1xHST 250W	E40	600	600	260	18.5
SNA 246 E-1NT0KS08	1xHST/HIT-CE 100W	E40	600	600	260	16.1
SNA 246 E-1PT0KS08	1xHST/HIT-CE 150W	E40	600	600	260	16.7
SNA 246 E-1NT1KS08	1xHST/HSE 100W ECO	E40	600	600	260	14.5
SNA 246 E-1PT1KS08	1xHST/HSE 150W ECO	E40	600	600	260	17.0
SNA 246 E-1MT0KS08	1xHSE 50W	E27	600	600	260	14.5
SNA 246 E-1MT1KS08	1xHSE 70W ECO	E27	600	600	260	13.6



for versions for catenary mounting, please order wire suspension separately  
for versions with PMMA enclosure, please contact with sales department



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**Mast Luminaires**

**DL® 500**  
Page 97



**ST Luminaires**  
Page 102



**SQ Luminaires**  
Page 104



**SC Luminaires**  
Page 106



**SiSTELLAR**  
Page 108

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**Catenary Luminaires**

**DL® 500 Catenary Luminaire**  
Page 98

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**Further Product Ranges**

SR Luminaires



SL Luminaires

## ST Luminaires

With state-of-the-art lighting quality and precise optics ST family offer an outstanding solution in terms of energy efficiency, luminaire spacing, light quality and service life. For this two construction heights, two optical enclosures (flat glass cover or PMMA enclosure) and various lamp configurations are available for different light distribution patterns and output ratios.

- + Lightweight plastic housing
- + IP65 protection rating for lamp and control gear compartment
- + High quality sealing system with air-permeable membrane
- + Flat glass cover for minimal glare and protection against vandalism
- + Individually adjustable optics with radial faceted reflector system
- + High light output ratios
- + Tool-free exchange of electrical unit
- + Central rotary catch
- + Universal mounting clamp for post-top and side-entry mounting
- + 2° and 8° tilt with post-top mounting



Despite their robust construction with impact-resistant, glass fibre-reinforced polyester and high IP65 protection, they are easy to handle: a central rotary catch on the luminaire underside secures the lamp enclosure and gear tray. After rotating the catch 180 degrees, the lamp enclosure can be opened downwards. A further adjustment unlocks the gear tray with lampholder and lamp that can also be hinged downwards. The mechanism interrupts the current, enabling maintenance and control work as well as tool-free exchange of the gear tray to be carried out without danger.

### Housing Technology

Insulation class: II (I on request) | Protection rating: IP65 for complete luminaire | luminaire enclosure of glass fibre reinforced plastic | frame and mast clamp of diecast aluminium | easy-to-use rotary catch | spigot dimensions: post-top: 60/76 mm, side entry: 42/48/60 mm (without additional accessories) | all round EPDM sealing | tool-free relamping | RAL 7035 (light grey) surface

### Electrics

Gear tray: complete unit with lampholder and automatic power disconnection with removal of gear tray | single lamp versions available optionally with reducing circuit (ECO)

### Lighting Technology

High performance radial faceted optics for high system efficiency | flat glass cover or PMMA enclosure



### ST 50 | with flat glass cover or PMMA enclosure

Glassfibre reinforced housing, coating in RAL 7035, with radial faceted optics for high system efficiency levels

IP 65  +

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with flat glass cover</b>						
SNA 392 E-1MS02	1xHST/HSE 50W	E27	616	290	174	7.6
SNA 392 E-1MS12	1xHST/HSE 70W ECO	E27	616	290	174	7.6

**with PMMA enclosure**

SNA 392 E-1MS01	1xHST/HSE 50W	E27	616	290	224	7.3
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### ST 100 | with flat glass cover or PMMA enclosure

Glassfibre reinforced housing, coating in RAL 7035, with radial faceted optics for high system efficiency levels

IP 65  +

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with flat glass cover</b>						
SNA 393 E-1PT02	1xHST/HSE 150W	E40	746	290	194	9.2
SNA 393 E-1PT12	1xHST/HSE 150W ECO	E40	746	290	194	9.2
SNA 393 E-1ST02	1xHST/HSE 250W	E40	746	290	194	10.4
SNA 393 E-1ST12	1xHST/HSE 250W ECO	E40	746	290	194	10.2

**with PMMA enclosure**

SNA 393 E-1PT01	1xHST/HSE 150W	E40	746	290	270	9.2
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## SQ Luminaires

With three housing sizes (SQ 50, SQ 100 and SQ 200), SQ luminaires represent a versatile product family in the area of technical street lighting. All SQ luminaires distinguish themselves by their high quality workmanship with die cast aluminium and an elegant design.

Different optical enclosures (flat/convex cover or convex enclosure) as well as numerous lamping configurations provide the best possible lighting for streets of all kinds. When fitted with a module for instant hot re-ignition, the luminaire can even be used for security and surveillance areas. In spite of its robust design and high protection rating (IP66), the SQ luminaire is easy to use: pulling the lever catch opens the luminaire enclosure upwards.

- + Durable, high-quality housing made of diecast aluminium
- + Three sizes provide suitability for numerous applications
- + IP66 protection rating for lamp compartment and control gear compartment
- + High-quality, four-level sealing system including air-permeable connector for optimum pressure equalisation
- + Flat cover glass for minimal glare and protection against vandalism
- + VARIO future-fit gear tray technology
- + Individually adjustable lighting technology thanks to radial faceted optics (for T and E lamps)
- + High light output ratios
- + Electrical unit replaceable without tools
- + Convenient one-hand lever catch
- + 2° tilt with post-top mounting
- + Universal mounting system via pivotable mast clamping plate



### Housing Technology

Insulation class: II | Protection rating: IP66 for complete luminaire (dustproof, protection against strong jets of water and heavy seas) | Diecast-aluminum canopy can be opened upwards | Frame and catch made of diecast aluminium | Smooth-operation one hand lever catch | tiltable mast clamping plate integrated into frame is positionable for post-top and side-entry mounting (flush to mast) | All-round two component EPDM labyrinth seal | Relamping without tools | Coated surface

### Electrics

Gear tray: complete unit with lamp socket can be replaced without tools, with automatic disconnection from the mains when the canopy is opened, with innovative universal mounting technology for electrical components | 1-lamp versions available with optional reducing circuit (ECO)

### Lighting Technology

Highly efficient radial faceted reflector system for high system efficiency | PMMA or PC enclosure | Flat or convex cover (toughened safety glass)



### SQ 50 | with flat glass cover

With radial faceted optics, surface: coated, white aluminium frame (RAL 9006), aluminium grey canopy (RAL 9007)



Order No.	Lamps (W)	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>HST/HSE</b>						
SNA 557 E-1JT0G	1xHST/HSE 50W	E27	568	444	189	8.8
SNA 557 E-1MT1G	1xHST/HSE 70W ECO	E27	568	444	189	10.0
SNA 557 E-1PT1G	1xHST/HSE 150W ECO	E40	568	444	189	8.8

#### HST/HSE/HIT-CE

SNA 557 E-1MT0G	1xHST/HSE/HIT-CE 70W	E27	568	444	189	9.8
SNA 557 E-1NT0G	1xHST/HSE/HIT-CE 100W	E40	568	444	189	8.8
SNA 557 E-1PT0G	1xHST/HSE/HIT-CE 150W	E40	568	444	189	8.8



### SQ 100 | with flat glass cover

With radial faceted optics, surface: coated, white aluminium frame (RAL 9006), aluminium grey canopy (RAL 9007)



Order No.	Lamps (W)	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>HST</b>						
SNA 558 E-1MT0C236	1xHST 50W	E27	688	467	191	13.4
SNA 558 E-1MT1C236	1xHST 70W ECO	E27	688	467	191	13.8
SNA 558 E-1NT1C236	1xHST 100W ECO	E40	688	467	191	13.9
SNA 558 E-1PT1C236	1xHST 150W ECO	E40	688	467	191	14.8

#### HST/HIT-CE

SNA 558 E-1NT0C236	1xHST/HIT-CE 100W	E40	688	467	191	14.0
SNA 558 E-1PT0C236	1xHST/HIT-CE 150W	E40	688	467	191	14.7



### SQ 200 | with flat glass cover

With radial faceted optics, surface: coated, white aluminium frame (RAL 9006), aluminium grey canopy (RAL 9007)



Order No.	Lamps (W)	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>HST</b>						
SNA 559 E-1PT1C236	1xHST 150W ECO	E40	845	490	198	16.3
SNA 559 E-1ST1C236	1xHST 250W ECO	E40	845	490	198	18.2
SNA 559 E-1TT0C236	1xHST 400W	E40	845	490	198	20.0
SNA 559 E-1TT1C236	1xHST 400W ECO	E40	845	490	198	19.2
SNA 559 E-2MT0C236	2xHST 50W	E27	845	490	198	18.0

#### HST/HIT-CE/ HSE

SNA 559 E-1PT0C236	1xHST/HIT-CE 150W	E40	845	490	198	18.1
SNA 559 E-1ST0C236	1xHST/HIT-CE 250W	E40	845	490	198	16.0
SNA 559 E-2NT0C236	2xHST/HIT-CE 100W	E40	845	490	198	16.9
SNA 559 E-1PE0C236	1xHSE 150W	E40	845	490	198	16.0
SNA 559 E-1PE1C236	1xHSE 150W ECO	E40	845	490	198	16.5
SNA 559 E-1SE0C236	1xHSE 250W	E40	845	490	198	18.0
SNA 559 E-1SE1C236	1xHSE 250W ECO	E40	845	490	198	17.5
SNA 559 E-1TE0C236	1xHSE 400W	E40	845	490	198	19.0
SNA 559 E-1TE1C236	1xHSE 400W ECO	E40	845	490	198	19.3
SNA 559 E-2ME0C236	2xHSE 50W	E27	845	490	198	19.0
SNA 559 E-2PE0C236	2xHSE 150W	E40	845	490	198	21.7



## SC Luminaires

The SC luminaires form a variable luminaire family for technical road lighting with three construction sizes (SC 50, SC 100 and SC 200). The luminaire housing of high quality die cast aluminium represents an ideal combination of long service life and functionality. The complete housing is powder-coated in RAL 9007 and is therefore extremely resistant to environmental influences. With state-of-the-art lighting quality and precise optics, the SC luminaire offers an outstanding solution in terms of energy efficiency, luminaire spacing and light quality.

- + High quality, long service life diecast aluminium housing
- + Three construction sizes for a wide spectrum of application possibilities
- + Compatible with all internationally common spigot dimensions with post-top and side-entry mounting
- + Safety via IP66 protection rating for lamp compartment and control gear compartment
- + High quality sealing system with air-permeable membrane for optimal pressure equalisation
- + Flat glass cover for minimal glare and protection against vandalism
- + Individually adjustable lighting technology with radial faceted reflector system
- + High light output ratios
- + Convenient one-hand lever catch



Different optical enclosures (flat glass cover or convex PMMA enclosure) as well as a variety of lamp configurations make sure that different road situations are always optimally illuminated. Despite their robust construction and high IP66 protection, SC luminaires are easy to handle: following a pull of the lever catch, the luminaire enclosure opens upwards. The mechanism interrupts the current, enabling maintenance and control work as well as exchange of the gear tray to be carried out without danger. The variability of the efficient radial faceted reflector is also practical, optimally resolving the light point to give wide, symmetrical, glare-free light distribution: it is adjusted by simply sliding in the horizontal plane, thus allowing precise control for the lighting task required.

### Housing Technology

Protection rating: IP66 for complete luminaire | easy to-use rotary catch | spigot dimensions: post-top: 60/76 mm, side entry: 34/42/60 mm (without additional accessories) | all-round EPDM sealing | tool-free relamping | air-permeable membrane for pressure equalization and drainage | tool-free relamping | RAL 9007 surface

### Electrics

Gear tray: complete unit with lamp socket can be replaced without tools, with automatic disconnection from the mains when the canopy is opened, with innovative universal mounting technology for electrical components | 1-lamp versions available with optional reducing circuit (ECO)

### Lighting Technology

Highly efficient radial faceted optics for a high level of system efficiency | enclosure of flat toughened safety glass or PMMA for extremely wide distribution





### SC 50 | with flat glass cover

Switching: power-factor corrected, with radial faceted optics, luminaire housing of die cast aluminium

IP 66 ⊕ + CE

Order No.	Lamps (W)	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SNA 587 E-1MT0F	1xHST/HIT-CE 70W	E27	661	330	183	8.8
SNA 587 E-1ME0F	1xHSE 70W	E27	661	330	183	9.0
SNA 587 2-1CE0F	1xHME 125W	E27	661	330	183	8.9



### SC 100 | with flat glass cover

Switching: power-factor corrected, with radial faceted optics, luminaire housing of die cast aluminium

IP 66 ⊕ + CE

Order No.	Lamps (W)	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SNA 588 2-1EE0F	1xHME 250W	E40	735	353	190	9.0
SNA 588 E-1NT0F	1xHST 100W	E40	735	353	190	9.6
SNA 588 E-1PT0F	1xHST/HIT-CE 150W	E40	735	353	190	9.9
SNA 588 E-1PE0F	1xHST/HIT-CE 150W	E40	735	353	190	9.9
SNA 588 E-1ST0F	1xHST 250W	E40	735	353	190	11.1

with aluminum radial faceted reflector

STK 588 2-1NT0F	1xHST 100W	E40	735	353	190	9.6
STK 588 2-1PT0F	1xHST 150W	E40	735	353	190	9.9
STK 588 2-1ST0F	1xHST 250W	E40	735	353	190	11.1



### SC 200 | with flat glass cover

Switching: power-factor corrected, with radial faceted optics, luminaire housing of die cast aluminium

IP 66 ⊕ + CE

Order No.	Lamps (W)	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SNA 589 E-1TT0F	1xHST 400W	E40	889	443	225	15.4

with aluminum radial faceted reflector

STK 589 2-1TT0F	1xHST 400W	E40	889	443	225	15.4
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## SiSTELLAR

The circular mast luminaires of the SiSTELLAR family feature mounting heights of 8...12 meters (MIDI) and 10...16 meters (MAXI) and as such illuminate large-scale areas with large luminaire spacing.

Moreover, each luminaire can be individually adjusted to meet the requirements of the lighting task. The special lamp compartment design makes this possible, providing space for up to six lamps. Each lamp is installed on its own support including socket, electrical connection and bowl reflector. By rotating this reflector system intelligently through steps of 30...150°, various characteristic light distribution patterns can be created.



### Housing Technology

Insulation class: I | SiSTELLAR MAXI also with insulation class II | Protection rating: IP44 | aluminum sheet housing with dripping edge | central supporting frame for centric mast mounting | all-round wool-felt gasket | surface with grey aluminum RAL 9007 textured coating

### Lighting Technology

SiSTELLAR MIDI and MAXI with rotatable SiVARIABLE reflector units including lamp sockets for optimized light distribution | optical enclosures: SiSTELLAR MIDI and SiSTELLAR MAXI with 3 flat segment glass discs

### Electrics

Relamping without tools | electrical gear mounted on supporting plates/frames mounted via lamp compartment without use of tools | SiSTELLAR MAXI with access to control gear from above | lamps can be switched individually or in groups | ECO power reduction available

- + Large-area luminaire for high mounting heights
- + Railway certification
- + Central supporting frame for mast mounting
- + Lamp compartment with all-round, air-permeable wool-felt gasket
- + Extremely weather-resistant coating
- + SiVARIABLE lighting technology for individually adjustable light distribution, can be preset by the manufacturer
- + Electrical units clearly arranged and mounted
- + Various lamp configurations available



### SISTELLAR MIDI | circular luminaire for post-top mounting

Aluminium sheet housing, SIVARIAL reflector units

IP 44   

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>HSE</b>						
SNA 631 E-4T	4xHSE 150W	E40	1100	1100	324	32.0
SNA 631 E-6M	6xHSE 50/70W	E27	1100	1100	324	50.0



### SISTELLAR MAXI | circular luminaire for post-top mounting

Aluminium sheet housing, SIVARIAL reflector unit, especially suitable for glare-free lighting installations

IP 44     

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>HST</b>						
SNA 630 E-6SR	6xHST 150W ECO	E40	1500	1500	365	105.2
SNA 630 E-6NR	6xHST 250W ECO	E40	1500	1500	365	105.2
SNA 630 E-6V	6xHST 400W	E40	1500	1500	365	111.0
SNA 630 E-6VR	6xHST 400W ECO	E40	1500	1500	365	112.3

**HST/HIT-CE**

SNA 630 E-6S	6XHST/HIT-CE 150W	E40	1500	1500	365	105.0
SNA 630 E-6N	6XHST/HIT-CE 250W	E40	1500	1500	365	105.0

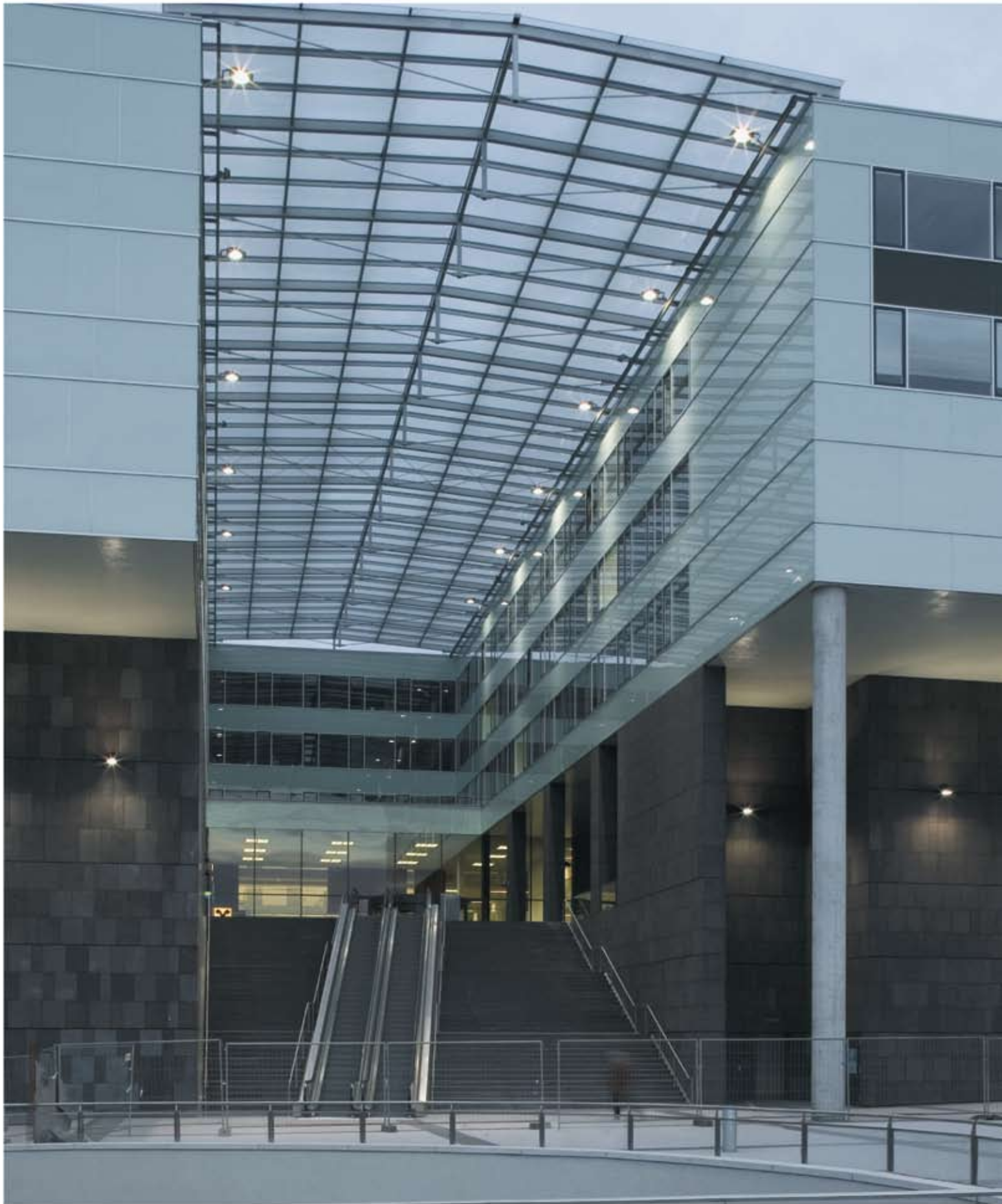
**HSE**

SNA 630 E-6T	6xHSE 150W	E40	1500	1500	365	100.0
SNA 630 E-6TR	6xHSE 150W ECO	E40	1500	1500	365	100.2
SNA 630 E-6U	6xHSE 250W	E40	1500	1500	365	105.0
SNA 630 E-6UR	6xHSE 250W ECO	E40	1500	1500	365	105.2

3: insulation class I (protective earthing)

5: Insulation class II (safety insulation)





## Asymmetrical Floodlights



**A1 MINI**  
Page 112



**A2 MINI**  
Page 112



**A2 MIDI**  
Page 112



**A2 MAXI**  
Page 112

## Symmetrical Floodlights



**S2 MINI**  
Page 114



**S2 MIDI**  
Page 114



**S2 MAXI**  
Page 114



**Combi Symmetric**  
Page 114

## Rotosymmetrical Floodlights



**R1 MINI S**  
Page 126



**R1 MINI Aluminium**  
Page 126



**R2 MAXI**  
Page 126



**SISTAR**  
Page 126



**R3 MAXI**  
Page 126

## Further Product Ranges



**R2 MINI S**



**R2 MINI P**



**R2 MIDI**



**SMW 150/400**  
Page 119



**SMW 1000**

## SiCOMPACT® Floodlights (Asymmetric and Symmetric)

SiCOMPACT® A2 and S2 floodlights, available in three construction sizes, are characterised by a modern design and efficient light distribution. The luminaires can be equipped with various high-output lamps. Ballasts and ignition devices are integrated in the luminaires and separated from the lamp compartment for the MINI and MIDI version. The MAXI version for two lamps has a separate terminal box and requires external ballast. The floodlights can be precisely adjusted in 5-degree increments for precise illumination of the area to be lit. Integrated twist-protection permanently fixes the luminaires in place and offers advantages for the illumination of sports arenas.

### Lighting Technology

\* Sicompact A2 with horizontal positioning of light emission aperture no light spill (light imission < 3 %) to upper hemisphere | asymmetrical distribution with narrow or wide characteristics (MINI only wide distribution) | optical enclosure: flat glass | glare limitation class (horizontal position): KB1 with MINI and MIDI

\* Sicompact S2 with Symmetrical distribution, narrow or wide | S2 MAXI with bifocal optics for uniform illumination of the entire area, whether near or far from mast | optical enclosure: flat glass



### Housing Technology

Insulation class: I | Protection rating: IP65 (MAXI) or IP66 (MINI, MIDI) | diecast aluminium housing | all round silicon sealing within housing | luminaire enclosure of flat safety glass | galvanized steel mounting bracket

### Electrics

MINI/MIDI with integrated control gear, structurally separated from lamp compartment | MAXI with terminal box incl. ignitor (please order and mount control gear and ignitors separately) | versions for instant hot re-ignition are available in all 3 construction sizes

**SiCOMPACT® A1 MINI**

Floodlight with asymmetrical distribution, wide beam specular reflector



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
SNX 747 2-1NS42M	1xHIT-DE/HST-DE 70W	RX7s	350	230	83	3.5
SNX 747 2-1NS92M	1xHIT-DE/HST-DE 70W	RX7s	350	230	83	3.5
SNX 747 2-1PS42M	1xHIT-DE/HST-DE 150W	RX7s	350	230	83	4.2
SNX 747 2-1PS92M	1xHIT-DE/HST-DE 150W	RX7s	350	230	83	4.2

**SiCOMPACT® A2 MINI**

Floodlight with asymmetrical distribution, wide beam specular reflector



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, without ign.</b>						
SNA 757 0-1SS0208H	1xQT-DE 200/300W	R7s	355	276	95	4.4
<b>with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNA 757 E-1NS0208	1xHIT-DE/HST-DE 70W	RX7s	355	276	95	4.8
SNA 757 E-1PS0208	1xHIT-DE/HST-DE 150W	RX7s	355	276	95	6.8
SNA 757 E-1NS0108	1xHST 70W	E27	355	276	95	6.3

with ECG

SNA 757 7-1NS0208	1xHIT-DE 70W	RX7s	355	276	95	5.0
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**SiCOMPACT® A2 MIDI**

Floodlight with asymmetrical distribution, anodised specular reflector, narrow or wide distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, without ign., wide distribution</b>						
SNA 758 0-1VS0208H	1xQT-DE 1000W	R7s	565	465	155	13.6
<b>with integrated CG, with integrated ign. (with automatic power-off), wide distribution</b>						
SNA 758 E-1SS0108	1xHIT/HST 250W	E40	565	465	155	18.3
SNA 758 E-1TS0108	1xHIT/HST 400W	E40	565	465	155	19.9
SNA 758 E-1RS0208	1xHIT-DE 250W	Fc2	565	465	155	17.9
SNA 758 E-1TS0208	1xHIT-DE/HST-DE 400W	Fc2	565	465	155	19.7

S: wide distribution

B: narrow distribution

**SiCOMPACT® A2 MAXI**

Floodlight with asymmetrical distribution, anodised aluminium reflector, narrow or wide distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, with attached ign., wide distribution</b>						
SNA 759 0-1VS01	1xHIT/HST 1000W	E40	790	630	228	26.1
SNA 759 0-2TS01	2xHIT/HST 250/400W	E40	790	630	228	26.0
SNA 759 0-1VS02	1xHIT-DE 1000W	screw-type terminal	790	630	228	25.9
SNA 759 0-1WS02	1xHIT-DE 2000W	screw-type terminal	790	630	228	25.8

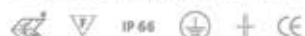
S: wide distribution

B: narrow distribution



### SiCOMPACT® A2 MINI | for mast mounting

With asymmetrical distribution, mounting on mast with mast adapter, wide beam specular reflector



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, without ign.</b>						
SNA 757 0-1SS2208H	1xQT-DE 200/300W	R7s	355	276	95	3.9
<b>with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNA 757 E-1NS2208	1xHIT-DE/HST-DE 70W	RX7s	355	276	95	6.1
SNA 757 E-1PS2208	1xHIT-DE/HST-DE 150W	RX7s	355	276	95	6.6
SNA 757 E-1NS2108	1xHST 70W	E27	355	276	95	5.6

with ECG

SNA 757 7-1NS2208	1xHIT-DE 70W	RX7s	355	276	95	4.3
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### SiCOMPACT® A2 MINI | for multiple bracket

Floodlight with asymmetrical distribution, mounting on mast using 2-3 or 4 arm bracket system, wide beam specular reflector

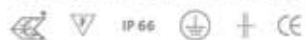


Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNA 757 E-1NS1208	1xHIT-DE/HST-DE 70W	RX7s	355	276	95	6.3
SNA 757 E-1PS1208	1xHIT-DE/HST-DE 150W	RX7s	355	276	95	6.8
SNA 757 E-1NS1108	1xHST 70W	E27	355	276	95	5.8



### SiCOMPACT® A2 MINI | for wall mounting

Floodlight with asymmetrical distribution, wall mounting using wall adaptor, wide beam specular reflector



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNA 757 E-1NS2208	1xHIT-DE/HST-DE 70W	RX7s	355	276	95	6.1
SNA 757 E-1PS2208	1xHIT-DE/HST-DE 150W	RX7s	355	276	95	6.6
SNA 757 E-1NS2108	1xHST 70W	E27	355	276	95	5.6

with ECG, HIT-DE

SNA 757 7-1NS2208	1xHIT-DE 70W	RX7s	355	276	95	4.3
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## A2 MINI/MIDI Accessories



shield



louvre shield



mast adapter



wall adapter



multiple bracket

Description		Order No.
shield, stainless steel, coated, (RAL 9005, matt)	for A2 MINI	SNA 757 0-0XB
louvre shield, stainless steel, coated, (RAL 9005, matt)	for A2 MINI	SNA 757 0-0XL
mast adapter, with bracket arm	for A2 MINI, single	SNY 757 0-1XA2108
	for A2 MINI, double	SNY 757 0-2XA2108
wall adapter, for mounting, as uplight or downlight	for A2 MINI	SNY 757 0-1XW2108
multiple bracket	for A2 MINI, double, ø 76mm	SNY 757 0-2XD1108
	for A2 MIDI, double, ø 89 mm	SNY 757 0-2XD2108

7: for A2 MINI

8: for A2 MIDI

For further accessories, please contact with sales department





### S2 MINI

Floodlight with symmetrical distribution, mounting on mast or wall mounting, specular reflector with wide distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, without ign.</b>						
SNA 751 0-1SS0208H	1xQT-DE 200/300W	R7s	355	276	95	4.5
<b>with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNA 751 E-1NS0208	1xHIT-DE/HST-DE 70W	RX7s	355	276	95	6.4
SNA 751 E-1PS0208	1xHIT-DE/HST-DE 150W	RX7s-24	355	276	95	6.9
SNA 751 E1NS0108	1xHST 70W	E27	355	276	95	6.0
<b>with ECG</b>						
SNA 751 7-1NS0208	1xHIT-DE 70W	RX7s	355	276	95	4.9
SXA 751 7-LMS08	RGB-LED		355	276	95	5.1



### S2 MIDI

Floodlight with symmetrical distribution, anodised specular reflector, narrow or wide distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, without ign.</b>						
SNA 752 0-1VS0208H	1xQT-DE 1000W	R7s	565	465	155	12.7
<b>with CG, with integrated ign. (with hot re-ignition)</b>						
SNA 752 E-1SS0108	1xHIT/HST 250W	E40	565	465	155	16.0
SNA 752 E-1TS0108	1xHIT/HST 400W	E40	565	465	155	19.3
SNA 752 E-1RS0208	1xHIT-DE 250W	Fc2	565	465	155	17.4
SNA 752 E-1TS0208	1xHIT-DE/HST-DE 400W	Fc2	565	465	155	19.3
SNA 752 E-1SS0208	1xHST-DE 250W	Fc2	565	465	155	17.4

S: wide distribution B: narrow distribution



### S2 MAXI

Floodlight with symmetrical distribution, specular aluminium reflector (bifocal reflector system), narrow or wide distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, with attached ign.</b>						
SNA 753 0-1VS01	1xHIT/HST 1000W	E40	690	403	452	21.8
SNA 753 0-2TS01	2xHIT/HST 250/400W	E40	690	403	452	21.0
SNA 753 0-1VS02	1xHIT-DE 1000W	screw-type terminal	690	403	452	20.5
SNA 753 0-1WS02	1xHIT-DE 2000W	screw-type terminal	690	403	452	22.5

S: wide distribution B: narrow distribution



### Combi Symmetric Projector

Floodlight with symmetrical distribution, specular aluminium reflector, narrow or wide distribution



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>wide distribution</b>						
SNA 717 2-1SW	1xHIT/HST 250W	E40	380	485	540	15.5
SNA 717 2-1TW	1xHIT/HST 400W	E40	380	485	540	17.2
SNA 717 2-1VW	1xHIT/HST 1000W	E40	380	600	540	25.6

W: wide distribution N: narrow distribution

## SiCOMPACT® R1, R2, R3 MAXI

The rotosymmetrical distribution projectors of the SiCOMPACT® R1 and SiCOMPACT® R2 families can be mounted to the ground, to walls, and mast-mounted with suitable accessories. Highly specular aluminium reflectors with narrow or wide light distribution can be selected for various lighting tasks. Special effects can be achieved with different colour and diffuser discs.

SiCOMPACT R3 MAXI projector satisfies the highest demands in terms of performance, visual comfort, and energy and operating cost efficiency for the illumination of sports arenas and large public areas. Its innovative construction combines state-of-the-art lighting and luminaire technology to achieve light output ratios of up to 87%. The projector has been designed for luminous intensities of 2000 to 30000 cd/klm and can handle a wide spectrum of lighting tasks with up to seven different configurations. For longer maintenance cycles and extremely long luminaire service life, the projector is equipped with an efficient thermal management system, seen in the design of the luminaire: eye-catching cooling ribs dominate the rear of the slimline projector.

### Housing Technology

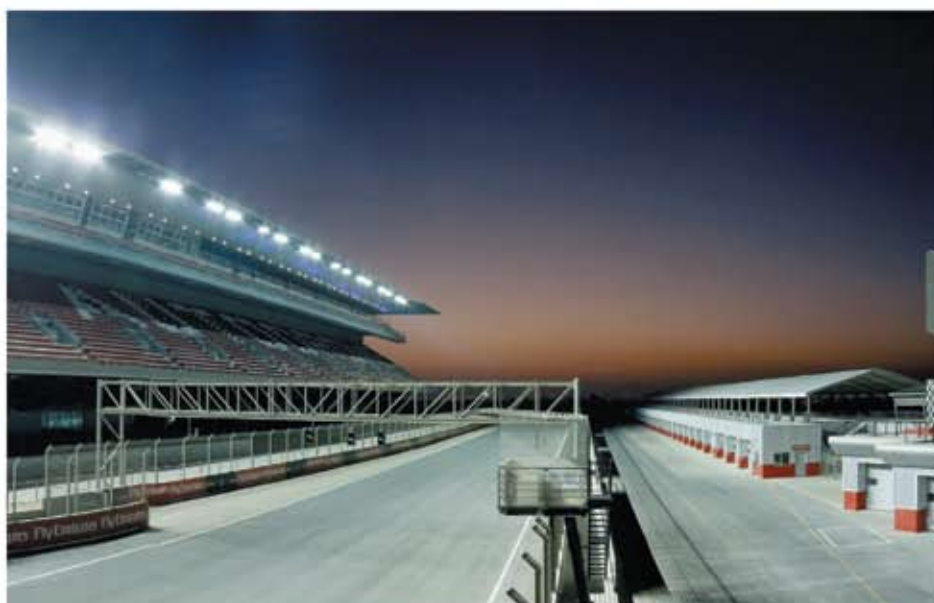
Insulation class: I | Protection rating: IP65 (IP66 for R3 MAXI) | All-round weather-resistant sealing | flat glass enclosure | connection via diecast aluminium base (R1 MINI/R2 MINI S, R2 MINI P) or attachment via galvanized and coated steel mounting bracket

### Electrics

- R1 MINI/R2 MINI with integral ballast, spatially separated from lamp compartment
- R3 MAXI with integrated terminal box with ignition device; please order ballasts separately | cable infeed via M20 cable gland | versions for immediate hot reignition

### Lighting Technology

Specular aluminium reflector with rotosymmetrical light distribution with various beam angles





### R1 MINI S

Rotationally symmetrical projector, with highly specular aluminum reflector, narrow or wide distribution

IP 65 ⊕ † CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>wide distribution, with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNX 722 E-1HS08	1xHIT-CE 35W	G12	264	264	222	4.6
SNX 722 E-1MS08	1xHIT-CE 70W	G12	264	264	222	4.9

S: wide distribution B: narrow distribution



### R1 MINI Aluminium

Rotationally symmetrical projector, with highly specular aluminum reflector, narrow or wide distribution

IP 65 ⊕ † CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>wide distribution, with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNX 724 E-1MS08	1xHIT-CE 70W	G12	236	236	450	6.0
SNX 724 E-1PS08	1xHIT-CE 150W	G12	236	236	450	6.9

S: wide distribution B: narrow distribution



### R2 MAXI

Rotationally symmetrical projector, with aluminum reflector with ceramic glass enclosure

IP 65 ⊕ † CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>with integrated ignitor</b>						
SNA 726 0-1VS11C	1xHIT-DE 1000W	cable	363	494	491	10.0
SNA 726 0-1WS11C	1xHIT-DE 2000W	cable	363	494	491	10.0

R2 MAXI with instant hot re-ignition, please contact with sales department



### SiSTAR

Rotationally symmetrical projector, with aluminum reflector with ceramic glass enclosure

Order No.	Lamps	L (mm)	B (mm)	H (mm)	Wt. (kg)
SNA 726 0-1VB01	1xHIT-DE 1000W	860	619	619	13.5
SNA 726 0-1WB01	1xHIT-DE 2000W	860	619	619	13.5
SNA 726 0-1VF01	1xHIT-DE 1000W	860	619	619	12.5
SNA 726 0-1WF01	1xHIT-DE 2000W	860	619	619	12.5

SiSTAR with instant hot re-ignition, please contact with sales department



### R3 MAXI

High-performance projector with rotosymmetrical light characteristic

IP 65 ⊕ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, with ign., HIT-DE</b>						
SNA 756 0-1VP11	1xHIT-DE 1000W	screw-type terminal	384	500	564	10.0
SNA 756 0-1WP11	1xHIT-DE 2000W	screw-type terminal	384	500	564	15.3

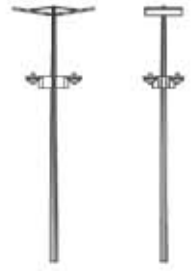
**without CG, with ign. (with hot re-ignition), HIT-DE**

SNA 756 7-1WP11	1xHIT-DE 1000/2000W	screw-type terminal	384	500	564	14.5
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1: narrow LDC1 2: narrow LDC2 3: narrow LDC3 4: narrow LDC4  
5: wide LDC5 6: wide LDC6 7: wide LDC7



## Siteco Mirrortec® System



## Component Details: Reflectors



**SMR 100**  
Page 120



**SMR 100A**  
Page 120



**SMR 200CA**  
Page 120

## Component Details: Projectors



**SMW 150**  
Page 121



**SMW 400**  
Page 121



**R1 MINI S**  
Page 121



**R3 MAXI**  
Page 121

Further combination possibilities of projectors and reflectors is possible



## Siteco Mirrortec® Reflector System

Precise light control with secondary reflector technology: Lighting tools with Siteco Mirrortec® technology create light effects that are characterised by excellent glare reduction, a high level of energy efficiency and superior visual comfort. With secondary reflector systems, the light of a projector is concentrated and directed onto a faceted reflector. The light point resolution reflector reflects the light onto the defined surface free of glare. This technology was implemented for the first time by Siteco under the name of 'Mirrortec', and was further developed with the use of Fresnel technology.

The Siteco Mirrortec® 100 and 100A reflectors are components of the Siteco Mirrortec® system that is based upon the principle of secondary reflection. With this a projector emits a light beam that is dispersed with a deflection reflector and reflected without glare back into the special area. Individual reflector facets take on the task of light point resolution, thereby reducing glare. The Siteco Mirrortec® 100 and 100A reflectors have been designed on the basis of the patented Siteco® Fresnel reflector technology, enabling a very flat construction and precise targeting of each individual facet. According to reflector choice, symmetrical (Reflector 100) or asymmetrical (Reflector 100A) light distribution is created. The reflectors are mounted either with a robust ball-and-socket joint pendant for ceiling/wall mounting or via wire suspension.

- + A world's first: flattest ever facet reflector with Fresnel technology
- + Low windage area
- + Excellent optical characteristics: brilliant appearance, superior light point resolution, defined beam area with good uniformity
- + Light source is not visible even from a distance
- + Low installation effort required, low weight
- + Easy cleaning with washable, plane, smooth front

The rotosymmetrical Siteco® Mirrortec® projectors have been especially designed for combining with Siteco® Mirrortec® reflectors. The projectors are characterised by high light output ratios and a narrow distribution with narrow half-peak divergence without light spill effects. Its application spectrum is the precise, focused illumination of walls and ceilings.





### Siteco Mirrortec® Reflector 100 | symmetrical distribution | for ceiling or wall mounting

Ultra-flat facet reflector with Fresnel technology for symmetrical light distribution

Order No.	L (mm)	W (mm)	Wt. (kg)
fresnel reflector 100, square, incl. tubular pendant suspension			
SNW 139 9-1QA	600	600	6.1
SNW 139 9-1QB	900	900	9.7
SNW 139 9-1QC	1200	1200	16.0

fresnel reflector 100, square, incl. 3 pcs. single wire suspension

SNW 139 9-3QA	600	600	3.0
SNW 139 9-3QB	900	900	8.8
SNW 139 9-3QC	1200	1200	14.8

Q: square reflector

K: circular reflector



### Siteco Mirrortec® Reflector 100A | asymmetrical distribution

Ultra-flat facet reflector with Fresnel technology for symmetrical light distribution

Order No.	L (mm)	W (mm)	Wt. (kg)
fresnel reflector 100, square, incl. tubular pendant suspension			
SNW 149 9-1QA	600	600	6.1
SNW 149 9-1QB	900	900	11.6
SNW 149 9-1QC	1200	1200	16.0

fresnel reflector 100, square, incl. 3 pcs. single wire suspension

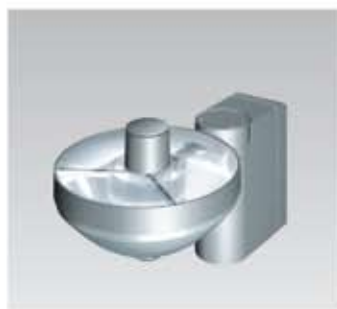
SNW 149 9-3QA	600	600	3.0
SNW 149 9-3QB	900	900	8.8
SNW 149 9-3QC	1200	1200	14.8



### Siteco Mirrortec® Reflector 200 CA | asymmetrical distribution

Convex free-form single facets for asymmetrical light distribution

Order No.	L (mm)	W (mm)	Wt. (kg)
SNW 726 4-0QA	845	850	21.0
SNW 726 4-0QB	1260	1275	42.0
SNW 726 4-0QC	1680	1700	65.0
SNW 726 4-0QD	2100	2120	103.0



### Siteco Mirrortec® Projector 150

For secondary reflector systems and floodlighting, for mounting to vertical or horizontal surfaces

IP 65 ⚡ ⚡ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>narrow distribution</b>						
SNW 412 7-1MG1	1xHIT-CE 70W	G12	433	250	289	6.4
SNW 412 7-1PG1	1xHIT-CE 150W	G12	433	250	289	7.5
<b>diffuse distribution</b>						
SNW 412 7-1MS2	1xHIT-CE 70W	G12	433	250	289	5.2
SNW 412 7-1PS2	1xHIT-CE 150W	G12	433	250	289	6.3

7: ECG 2: LCCG w. th. prot., p.f. corr.



### Siteco Mirrortec® Projector 400

For secondary reflector systems and floodlights, for mounting to vertical or horizontal surfaces

IP 65 ⚡ ⚡ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>narrow distribution</b>						
SNW 414 2-1RG1	1xHIT 250W	E40	743	427	494	20.2
SNW 414 2-1TG1	1xHIT 400W	E40	743	427	494	21.6
<b>wide distribution</b>						
SNW 414 2-1RS2	1xHIT 250W	E40	743	427	494	20.2
SNW 414 2-1TS2	1xHIT 400W	E40	743	427	494	21.6



### R1 MINI S

For mounting to vertical or horizontal surfaces, with highly specular aluminum reflector, narrow or wide distribution

IP 65 ⚡ ⚡ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>narrow distribution, with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNX 722 E-1HB08	1xHIT-CE 35W	G12	264	264	222	4.6
SNX 722 E-1MB08	1xHIT-CE 70W	G12	264	264	222	4.9
SNX 722 E-1PB08	1xHIT-CE 150W	G12	264	264	222	5.6
<b>wide distribution, with integrated CG, with integrated ign. (with automatic power-off)</b>						
SNX 722 E-1HS08	1xHIT-CE 35W	G12	264	264	222	4.6
SNX 722 E-1MS08	1xHIT-CE 70W	G12	264	264	222	4.9
SNX 722 E-1PS08	1xHIT-CE 150W	G12	264	264	222	5.6



### R3 MAXI

High-performance projector with rotosymmetrical light characteristic, diecast aluminium housing and cover ring









IP 65 ⚡ CE

Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>without CG, with ign., HIT-DE</b>						
SNA 756 0-1VP11	1xHIT-DE 1000W	screw-type terminal	384	500	564	10.0
SNA 756 0-1WP11	1xHIT-DE 2000W	screw-type terminal	384	500	564	15.3
<b>without CG, with ign. (with hot re-ignition), HIT-DE</b>						
SNA 756 7-1WP11	1xHIT-DE 1000/2000W	screw-type terminal	384	500	564	14.5

1: narrow LDC1 2: narrow LDC2 3: narrow LDC3 4: narrow LDC4  
5: wide LDC5 6: wide LDC6 7: wide LDC7



Combination possibilities: Siteco Mirrortec® Projector and light point resolution reflector

Combination possibilities and recommended distances between projector and reflector							
		Siteco Mirrortec® Reflector 100		Siteco Mirrortec® Reflector 100 A		Siteco Mirrortec® Reflector 200CA	
	Wattage	Minimum recommended projector height	Recommended distances projector-light point resolution reflector	Minimum recommended projector height	Recommended distances projector-light point resolution reflector	Minimum recommended projector height	Recommended distances projector-light point resolution reflector
 SiCompact® R1 MINI	70W 150W	> 2.5 m > 2.5 m	1-2 m 2-3 m	> 2.5 m > 2.5 m	1-2 m 2-3 m		
 SiCompact® R2 MINI P	70W 150W	> 2.5 m > 2.5 m	1-2 m 2-3 m	> 2.5 m > 2.5 m	1-2 m 2-3 m		
 Siteco Mirrortec® Projector 150	70W 150W	> 2.5 m > 2.5 m	1-2 m 2-3 m	> 2.5 m > 2.5 m	1-2 m 2-3 m		
 Siteco Mirrortec® Projector 400	250W 400W	> 3.5 m > 3.5 m	3-5 m 3-5 m	> 3.5 m > 3.5 m	3-5 m 3-5 m	> 3.5 m > 3.5 m	3-5 m 3-5 m
 SiCompact® SMW 1000	1000W	> 5 m	3-8 m	> 5 m	3-8 m	> 5 m	3-8 m





Tunnel Luminares for High Pressure Discharge Lamps



**5NA854**  
Page 126



**5NA813**  
Page 126

Further Product Ranges



5NA851



5LA854



5LA841



5LA860/5LA862

## Tunnel Luminaires (5NA854/5NA813)

Corrosion-resistant with stainless steel or aluminum alloy housing and special sealing systems reliably shield Siteco® tunnel luminaires against aggressive environmental conditions, and in addition make them resistant to aggressive cleaning methods. The robust frame for the safety glass is fixed in place by four stainless steel brackets. These brackets enable the enclosure to be quickly and easily opened on both sides longitudinally. The luminaire enclosure is simultaneously secured from falling. The luminaire contains a ballast spatially separated from the lamp compartment and a gear tray that can be replaced without tools. A variety of high-performance HST lamps as well as various optics and adjustable lamp holders are available, so that the Siteco® tunnel luminaire can be precisely adapted to different national safety regulations for the illumination of tunnels.

### Housing Technology

Housing, frame of glass enclosure, safety quick-release catches and mounting accessories of corrosion-resistant stainless steel (1.4571/AISI 316Ti) / aluminum alloy (AlSi10Mg/AlMg5) | resistant to corrosion, for the most part insensitive to aggressive effects | enclosure of toughened safety glass in accordance with EN 12150-1 | sealing on one or two planes (depending on version) of EPDM, resistant to temperature, moisture and ageing, and resistant to aggressive tunnel atmospheres | plastic glands for cable entry of PA-V0 UL94 | enclosure can be opened on both sides and remains firmly connected to luminaire housing when opened | gear tray with all electric components can be hinged outwards without tools and it is simple to replace



### Electrics

Luminaires wired ready for connection | single-lamp luminaires with 5-pole terminal, max. 10 mm<sup>2</sup> | 2 x M32 cable entries for cables D = 18...25 mm | single-lamp luminaire for reduced mode with 8-pole terminal (5-pole + 3-pole for control signal), max. 10 mm<sup>2</sup> | 2 x M32 cable entry for cables D = 18...25 mm, 2 x M25 cable entry for cables D = 9...16 mm | 2-lamp luminaire with 10-pole terminal, max. 10 mm<sup>2</sup> | 4 x cable entry M32 for lines D = 18...25 mm | 2-lamp luminaires for reduced mode with 14-pole connection terminal (2 x 5-pole + 2 x 2-pole for control signal), max. 10 mm<sup>2</sup> | 4 x M32 cable entry for cables D = 18...25 mm | all luminaires with

conventional ballast, p.f. correction (with mounted capacitor) | ballasts with temperature sensor; ignitors with automatic power disconnection; reduction circuit with negative switching logic | with interior micro-fuse (T6.3A/250V) | suitable for through-wiring from luminaire to luminaire

### Lighting Technology

Precision high-efficiency specular reflector optics

- Direct wide symmetric distribution
- Direct asymmetrical distribution (counter beam distribution)



## 5NA854 | stainless steel housing



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution</b>						
5NA 854 D-1M80N	1xHST 70W	E27	460	510	168	13.1
5NA 854 D-1N80N	1xHST 100W	E40	460	510	168	13.3
5NA 854 D-1P80N	1xHST 150W	E40	460	510	168	13.9
5NA 854 D-1S80N	1xHST 250W	E40	460	510	168	15.3
5NA 854 D-1T80N	1xHST 400W	E40	460	680	168	21.6

## symmetrical distribution, with reduction circuit (ECO)

5NA 854 D-1M81N	1xHST 50/70W	E27	460	510	168	13.4
5NA 854 D-1N81N	1xHST 70/100W	E40	460	510	168	13.8
5NA 854 D-1P81N	1xHST 100/150W	E40	460	510	168	14.2
5NA 854 D-1S81N	1xHST 150/250W	E40	460	510	168	15.6
5NA 854 D-1T81N	1xHST 250/400W	E40	460	680	168	21.9

## counter beam distribution

5NA 854 D-1M30N	1xHST 70W	E27	460	680	168	14.8
5NA 854 D-1N30N	1xHST 100W	E40	460	680	168	15.0
5NA 854 D-1P30N	1xHST 150W	E40	460	680	168	15.6
5NA 854 D-1S30N	1xHST 250W	E40	460	680	168	17.0
5NA 854 D-1T30N	1xHST 400W	E40	460	680	168	18.6

## counter beam distribution, with reduction circuit (ECO)

5NA 854 D-1M31N	1xHST 50/70W	E27	460	680	168	15.1
5NA 854 D-1N31N	1xHST 70/100W	E40	460	680	168	15.3
5NA 854 D-1P31N	1xHST 100/150W	E40	460	680	168	15.9
5NA 854 D-1S31N	1xHST 150/250W	E40	460	680	168	17.3
5NA 854 D-1T31N	1xHST 250/400W	E40	460	680	168	18.9



## 5NA813 | aluminium alloy housing



Order No.	Lamps	Socket	L (mm)	W (mm)	H (mm)	Wt. (kg)
<b>symmetrical distribution</b>						
5NA 813 D-1M80N	1xHST 70W	E27	610	500	180	13.5
5NA 813 D-1N80N	1xHST 100W	E40	610	500	180	13.7
5NA 813 D-1P80N	1xHST 150W	E40	610	500	180	14.3
5NA 813 D-1S80N	1xHST 250W	E40	610	500	180	15.7
5NA 813 D-1T80N	1xHST 400W	E40	610	500	180	17.3

## symmetrical distribution, with reduction circuit (ECO)

5NA 813 D-1M81N	1xHST 50/70W	E27	610	500	180	13.8
5NA 813 D-1N81N	1xHST 70/100W	E40	610	500	180	14.0
5NA 813 D-1P81N	1xHST 100/150W	E40	610	500	180	14.6
5NA 813 D-1S81N	1xHST 150/250W	E40	610	500	180	16.0
5NA 813 D-1T81N	1xHST 250/400W	E40	610	500	180	17.6

## counter beam distribution

5NA 813 D-1M30N	1xHST 70W	E27	610	500	180	13.5
5NA 813 D-1N30N	1xHST 100W	E40	610	500	180	13.7
5NA 813 D-1P30N	1xHST 150W	E40	610	500	180	14.3
5NA 813 D-1S30N	1xHST 250W	E40	610	500	180	15.7
5NA 813 D-1T30N	1xHST 400W	E40	610	500	180	17.3




















## counter beam distribution, with reduction circuit (ECO)

5NA 813 D-1M31N	1xHST 50/70W	E27	610	500	180	13.8
5NA 813 D-1N31N	1xHST 70/100W	E40	610	500	180	14.0
5NA 813 D-1P31N	1xHST 100/150W	E40	610	500	180	14.6
5NA 813 D-1S31N	1xHST 150/250W	E40	610	500	180	16.0
5NA 813 D-1T31N	1xHST 250/400W	E40	610	500	180	17.6



















Explanation of Symbols	Page 129
Lamp Data	Page 135
Order Number Index	Page 140
Siteco Services	Page 141
Siteco Contacts	Page 142

## Light Distribution













	Recessed ceiling luminaire, direct wide/diffuse distribution		Ceiling surface-mounted luminaire direct diffuse distribution		Suspended luminaire direct wide/diffuse distribution
	Recessed ceiling luminaire, direct medium/wide distribution		Ceiling surface-mounted luminaire direct wide/diffuse distribution		Suspended luminaire direct medium/wide distribution
	Recessed ceiling luminaire, direct narrow distribution		Ceiling surface-mounted luminaire direct medium/wide distribution		Suspended luminaire direct/indirect medium/wide distribution
	Recessed ceiling floor/wallwasher		Ceiling surface-mounted luminaire direct medium/wide distribution with ceiling illumination		Suspended luminaire direct narrow distribution
	Ceiling recessed wallwasher		Ceiling surface-mounted luminaire direct narrow distribution		Suspended luminaire direct asymmetrical distribution
	Ceiling semi-recessed luminaire direct wide/diffuse distribution with ceiling illumination		Ceiling surface-mounted luminaire direct asymmetrical narrow distribution		Suspended floor/wallwasher
	Ceiling semi-recessed luminaire direct wide/diffuse distribution		Asymmetrical floodlight Ceiling surface mounted		Suspended wallwasher
	Ceiling semi-recessed luminaire direct medium/wide distribution		Floor/wallwasher ceiling surface mounted		Suspended ceilingwasher
	Ceiling semi-recessed luminaire direct narrow distribution		Wallwasher ceiling surface mounted		Spotlight on suspended system rail, direct narrow distribution
	Ceiling recessed directional spotlight tiltable narrow distribution		Symmetrical floodlight ceiling surface mounted narrow distribution		Suspended luminaire indirect medium/wide distribution
	Ceiling recessed directional spotlight tiltable medium distribution		Projector ceiling surface mounted narrow distribution		Floorstanding luminaire direct/indirect medium/wide distribution
	Ceiling recessed wallwasher tiltable		Spotlight on system rail ceiling surface mounted narrow distribution		Asymmetrical floodlight mast mounted
			Suspended luminaire direct/indirect wide/diffuse distribution		












## Light Distribution






















	Symmetrical floodlight mast mounted, narrow distribution Projector mast mounted, narrow distribution		Wall surface-mounted luminaire indirect asymmetrical narrow distribution		Wall surface-mounted luminaire direct/indirect narrow distribution
	Wall surface-mounted luminaire diffuse distribution		Wall surface-mounted luminaire direct asymmetrical narrow distribution		Ceilingwasher wall recessed
	Wall surface-mounted luminaire direct/indirect medium/wide distribution		Wall surface-mounted luminaire direct narrow distribution		Asymmetrical floodlight ground installation
	Wall surface-mounted ceilingwasher		Wall surface-mounted luminaire direct medium/wide distribution		Symmetrical floodlight ground installation narrow distribution Projector ground installation narrow distribution
	Wall surface-mounted luminaire indirect medium/wide distribution		Asymmetrical floodlight wall surface mounted		
	Wall surface-mounted luminaire indirect narrow distribution		Symmetrical floodlight wall surface mounted narrow distribution Projector wall surface mounted narrow distribution		

## Lamps

	T16 G5 Tubular fluorescent lamp, d=16mm, for ECG, double ended		TC-D G24d-1 Twin double tube compact fluorescent lamp for LLCG, plug-in base		TC-TEU 2G8-1 Triple double tube compact fluorescent lamp for high ambient temperatures, for ECG, Bayonet base
	T26 G13 Tubular fluorescent lamp, d=26mm, for LLCG or ECG, double ended		TC-DEL G24q-1 Twin double tube compact fluorescent lamp for ECG, plug-in base		TC-L 2G11 Double tube compact fluorescent lamp for LLCG and ECG, plug-in base
	TC-S G23 Double tube compact fluorescent lamp for LLCG, plug-in base		TC-T GX24d-1 Triple double tube compact fluorescent lamp for LLCG, plug-in base		TCR-TSE flat GX53 Triple double tube compact fluorescent lamp, integrated ECG
	TC-SEL 2G7 Double tube compact fluorescent lamp for ECG, plug-in base		TC-TEL GX24q-1 Triple double tube compact fluorescent lamp for ECG, plug-in base		T16-R 2GX13 Circular fluorescent lamp for ECG, plug-in base

## Lamps

	TC-DD GR8	Fluorescent lamp with looped bulb for LCCG, plug-in base		HIT E40	Metal halide lamp with tubular bulb and quartz discharge tube, screw base		HST-CEI GX32-1	High pressure sodium lamp with tubular bulb and ceramic arc tube, plug-in base
	HIE E27	Metal halide lamp with ellipsoid bulb and quartz discharge tube, screw base		HIT-DE-CE RX7s	Metal halide lamp with tubular bulb and ceramic arc tube, double ended		QT12 GY6,35	Low voltage halogen incandescent lamp with tubular bulb, plug-in base
	HIE-CE E27	Metal halide lamp with ellipsoid bulb and ceramic arc tube, screw base		HIT-DE RX7s	Metal halide lamp with tubular bulb and quartz discharge tube, double ended		QR-CBC S1/RC GU5,3	Low voltage halogen incandescent lamp with reflector, plug-in base
	HIT-TC-CE PGJ5	Metal halide lamp with tubular bulb and ceramic arc tube, bayonet base		HIT-DE	Metal halide lamp with tubular bulb and quartz discharge tube, double ended		QT32 E27	High voltage halogen incandescent lamp with tubular bulb, screw base
	HIT-TC-CE GU6,5	Metal halide lamp with tubular bulb and ceramic arc tube, bayonet base		HIT-DE	Metal halide lamp with tubular bulb and quartz discharge tube, double ended		QT-DE11/12 R7s	High voltage halogen incandescent lamp with tubular bulb, double ended
	HIT-TC-CE GR5	Metal halide lamp with tubular bulb and ceramic arc tube, plug-in base		HME E27	Mercury lamp with ellipsoid bulb, screw base		QFARS1 GU10	High voltage halogen incandescent lamp with reflector, bayonet base
	HIT-CE G12	Metal halide lamp with tubular bulb and ceramic arc tube, plug-in base		HSE-I E27	High pressure sodium lamp with ellipsoid bulb, internal ignitor, screw base		A E27	High voltage incandescent lamp with ellipsoid bulb, screw base
	HIT-CE E27	Metal halide lamp with tubular bulb and ceramic arc tube, screw base		HSE E27	High pressure sodium lamp with ellipsoid bulb, screw base		IT E24	High voltage incandescent lamp with tubular bulb, screw base
	HIT-CE-od PG212	Metal halide lamp with tubular bulb and ceramic arc tube, bayonet base		HST E27	High pressure sodium lamp with tubular bulb, screw base		LED	LED
	HIT G12	Metal halide lamp with tubular bulb and quartz discharge tube, plug-in base		HST-DE RX7s	High pressure sodium lamp with tubular bulb, double ended			

	The ENEC symbol (European Norm Electrical Certification) is a European test and certification symbol for luminaires and electrical components in luminaires. It indicates conformity with the relevant European standards on safety and functionality. The suffix 10 indicates that the test has been carried out by the VDE. The VDE symbol may also be affixed to the luminaire.		Protection against touching active, live parts with a 1 mm thick wire and against ingress of splashwater.		Protection against electric shock is based on use of safety extra low voltage.
	Luminaires with VDE symbol are tested by the VDE testing and certification institute. The tests are based on the relevant Germany safety standards. The VDE symbol includes the "Safety Tested" symbol.		Dust-proof luminaire.		Luminaires bearing the F symbol are suitable for mounting on normally flammable building materials (EN 60 598 /VDE 0711).
	Protection against touching active, live parts with a finger.		Dust-proof and splashwater-proof luminaire.		Luminaires bearing the FF symbol are suitable for plants with a fire hazard due to dust or fibrous materials (VDE 0710, Part 5). In accordance with EN 60 598-2-24, this symbol was replaced by the D symbol on 1.8.05.
	Protection against touching active parts with a finger and against ingress of water jets (e.g. rain). In accordance with EN 60598 indoor luminaires are tested subject to the relevant installation situation with regard to the protection level against ingress of water jets. The Protection level IP x3 is therefore dependent on the installation and not a characteristic of the luminaire. For this reason, all IP20 designated indoor luminaires also fulfil the requirements for the protection level IP23.		Dust-tight luminaire		Luminaires with D symbols are suitable for plants with a fire hazard due to dust or fibrous materials (EN 60 598-2-24). This symbol replaced the FF symbol (VDE 0710, Part 5) on 1.8.05.
	Protection against touching active, live parts with a 1 mm thick wire.		Dust-tight and water jet-proof luminaire.		Luminaires are approved for use in explosion hazard zone 2 in accordance with Explosion Hazard Directive 94/9/EG1). Explosion hazard zone 2 in accordance with regulation ElexV 19962): Areas in which an explosive atmosphere due to gases, vapours or mist is unlikely to occur, but if it does, it will in all probability be rare and of brief duration. 1) Previous Explosion Hazard Directive 76/117/EEC was valid until 30.06.2003. 2) Previous ElexV 1994 was valid until 30.06.03.
	Protection against touching active, live parts with a 1 mm thick wire and against ingress of water spray.		Dust-tight and water jet-proof luminaire.		Luminaires are approved for use in explosion hazard zone 22 in accordance with Explosion Hazard Directive 94/9/EC1). Explosion hazard zone 22 in accordance with regulation ElexV 19962): Areas in which an explosive atmosphere due to dust clouds is unlikely to occur, but if it does, it will in all probability be rare and of brief duration. 1) Previous Explosion Hazard Directive 76/117/EEC was valid until 30.06.2003. 2) Previous ElexV 1994 was valid until 30.06.03.
			Dust-tight and water-tight luminaire		
			Protection against electric shock is based on insulation and connection of all exposed metal parts with the protective earth conductor.		
			Live parts are equipped with additional protective insulation. Connection of a protective earth conductor is not permitted.		

### Certification Symbols



This luminaire has been impact-tested and approved for use in civil defence bunkers. Test certificates are available on request.



Luminaires bearing this symbol are suitable for use on railways and track areas. The maximum angle-dependent luminous intensity values comply with the specifications made by the German Railways.

**IK 09**

Luminaire has been tested for impact energy of 10.00 Joules. IK 09 designation according to EN 50102.



This luminaire has been vibration-tested to prove its safety during earthquakes or comparable situations (e.g. required for use in nuclear power plants). Test certificates are available on request.



Luminaires have been tested according to the latest European Standard EN 12 193 (and DIN VDE 0710) to establish their resistance to impacts from flying balls.

**IK 10**

Luminaire has been tested for impact energy of 20.00 Joules. IK 10 designation according to EN 50102.



Luminaire is suitable for use in temperatures diverging from those specified by EN 60598.

According to EN 60598, luminaires are designed for nominal ambient temperatures of + 25°C. Temporary operation at temperatures of + 35°C is possible.



Luminaire has been tested in accordance with DIN VDE 0710 and found to be ball-proof on tennis courts.



Luminaire has been tested for impact energy of 2.00 Joules. IK 07 designation according to EN 50102.

### Product Technology and Quality Marks



#### Multi-power operation

Luminaire has been optimised for the operation of varying lamp wattages with respect to lighting technology, glare restriction, temperature, lamp sockets and ballasts. Multiwatt technology stands for interchangeable luminous flux levels within the same luminaire



#### DALI (Digital Addressable Lighting Interface)

is an interface definition for controlling digitally dimmable control gears. Up to 64 DALI units can be operated by one control line. These units can be grouped into no more than 16 overlapping groups. Up to 16 light scenes can be programmed. The protocol definition is specified in the Appendix to EN 60929.



The CE mark exclusively documents compliance with the European directives governing the product. Luminaires are governed by the directives on EMC and low voltages.

Compliance with the Directive on Electromagnetic Compatibility presupposes compliance with the standards for radio interference suppression (EN 55015), immunity to interference (EN 61547) and mains pollution (EN 61000-3-2).

Compliance with the low-voltage Directive presupposed compliance with the luminaire standard EN 60598 (corresponds with VDE 0711).

The manufacturer is responsible for affixing the CE mark and therefore it does not constitute a test mark.



#### Siteco Savelight

For safety and convenience, protects the luminaire and ensures soft lamp operation.

- Ignitor with digital automatic power-off
- Control gear with thermal protection
- Power reduction (Eco) with integrated timer for starting the lamp at full power



Radio management for transmitting control commands in the 433.42 MHz ISM band.



Symbol for good industrial design. Products bearing the "if" mark have been selected by the IndustrieForum Design Hannover for their outstanding product design.



Luminaire with PF correction as standard or optionally available with PF correction.



The GS symbol is affixed together with the symbol of the authorised testing agency to confirm compliance with German law on appliance safety.



All luminaire packagings used by Siteco Beleuchtungstechnik GmbH can be returned to Interseroh for environmentally compatible disposal.



Not used for our packagings (see Interseroh).



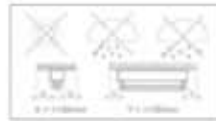
Hot surfaces near control gear. For example: only suitable cables may be used and must be routed accordingly.



Protective earth connection.



Recycling symbol of the corrugated cardboard industry.



Luminaire is suitable for use in protected installations outdoors. It must not be exposed to outdoor weathering. X and Y are minimal dimensions for producing over luminaire edge. Indoor luminaires are fundamentally unsuitable for use in unprotected installations outdoors.



Watt rating and number of lamps to be fitted.



Installation and maintenance may only be carried out by duly qualified personnel.



Circuit with PF correction.



Unplug mains connector before starting any maintenance work.



Note end mark/identification. (No limit stop fitted).



Control gear suitable for specified lamp rating.



Wear protective gloves (avoid fingerprints).



Sections of the installation instructions bearing this symbol refer to the condition on delivery.



Capacitance of the PF correction capacitor.



CAUTION!  
Pay special attention during installation.



Further information in the installation instructions for accessory parts.



Luminaire is suitable for use indoors and in unprotected installations outdoors.



Luminaires, not for installation in or on normally flammable surfaces, should insulation material surround the luminaire.



Please note specifications of lamp manufacturers for application of lamps.



Precise alignment must be ensured.



Lamp must be approved for use in "open" luminaires. ("open" luminaires also include luminaires with plastic enclosure or with plastic reflector).

Designation (BS)	Wattage [Watt]	Cap	Typ. lumen output [lm]	Possible light colours	Colour rendering index	ILCOS	OSRAM	PHILIPS	Havells Sylvania	GE
<b>tubular fluorescent lamps</b>										
T16	14	G5	1200	ww	18	FDH-14/30/18-L/P-G5-16/549	FH 14 W/830 HE	MASTER TL5 HE 14W/830	FHE 14W/830	F14W/TS/830
T16	14	G5	1200	mw	18	FDH-14/40/18-L/P-G5-16/549	FH 14 W/840 HE	MASTER TL5 HE 14W/840	FHE 14W/840	F14W/TS/840
T16	21	G5	1900	ww	18	FDH-21/30/18-L/P-G5-16/849	FH 21 W/830 HE	MASTER TL5 HE 21W/830	FHE 21W/830	F21W/TS/830
T16	21	G5	1900	mw	18	FDH-21/40/18-L/P-G5-16/849	FH 21 W/840 HE	MASTER TL5 HE 21W/840	FHE 21W/840	F21W/TS/840
T16	28	G5	2600	ww	18	FDH-28/30/18-L/P-G5-16/1149	FH 28 W/830 HE	MASTER TL5 HE 28W/830	FHE 28W/830	F28W/TS/830
T16	28	G5	2600	mw	18	FDH-28/40/18-L/P-G5-16/1149	FH 28 W/840 HE	MASTER TL5 HE 28W/840	FHE 28W/840	F28W/TS/840
T16	35	G5	3300	ww	18	FDH-35/30/18-L/P-G5-16/1449	FH 35 W/830 HE	MASTER TL5 HE 35W/830	FHE 35W/830	F35W/TS/830
T16	35	G5	3300	mw	18	FDH-35/40/18-L/P-G5-16/1449	FH 35 W/840 HE	MASTER TL5 HE 35W/840	FHE 35W/840	F35W/TS/840
T16	24	G5	1750	ww	18	FDH-24/30/18-L/P-G5-16/549	FQ 24 W/830 HO	MASTER TL5 HO 24W/830	FHO 24W/830	F24W/TS/830
T16	24	G5	1750	mw	18	FDH-24/40/18-L/P-G5-16/549	FQ 24 W/840 HO	MASTER TL5 HO 24W/840	FHO 24W/840	F24W/TS/840
T16	39	G5	3100	ww	18	FDH-39/30/18-L/P-G5-16/849	FQ 39 W/830 HO	MASTER TL5 HO 39W/830	FHO 39W/830	F39W/TS/830
T16	39	G5	3100	mw	18	FDH-39/40/18-L/P-G5-16/849	FQ 39 W/840 HO	MASTER TL5 HO 39W/840	FHO 39W/840	F39W/TS/840
T16	54	G5	4450	ww	18	FDH-54/30/18-L/P-G5-16/1149	FQ 54 W/830 HO	MASTER TL5 HO 54W/830	FHO 54W/830	F54W/TS/830
T16	54	G5	4450	mw	18	FDH-54/40/18-L/P-G5-16/1149	FQ 54 W/840 HO	MASTER TL5 HO 54W/840	FHO 54W/840	F54W/TS/840
T16	49	G5	4300	ww	18	FDH-49/30/18-L/P-G5-16/1449	FQ 49 W/830 HO	MASTER TL5 HO 49W/830	FHO 49W/830	F49W/TS/830
T16	49	G5	4300	mw	18	FDH-49/40/18-L/P-G5-16/1449	FQ 49 W/840 HO	MASTER TL5 HO 49W/840	FHO 49W/840	F49W/TS/840
T16	80	G5	6150	ww	18	FDH-80/30/18-L/P-G5-16/1449	FQ 80 W/830 HO	MASTER TL5 HO 80W/830	FHO 80W/830	F80W/TS/830
T16	80	G5	6150	mw	18	FDH-80/40/18-L/P-G5-16/1449	FQ 80 W/840 HO	MASTER TL5 HO 80W/840	FHO 80W/840	F80W/TS/840
T26	18	G13	1350	ww	18	FD-18/30/18-E-G13-26/590	L 18 W/830	MASTER TL-D Super 80 18W/830	F18W/830	F18W/830
T26	18	G13	1350	mw	18	FD-18/40/18-E-G13-26/590	L 18 W/840	MASTER TL-D Super 80 18W/840	F18W/840	F18W/840
T26	36	G13	3350	ww	18	FD-36/30/18-E-G13-26/1200	L 36 W/830	MASTER TL-D Super 80 36W/830	F36W/830	F36W/830
T26	36	G13	3350	mw	18	FD-36/40/18-E-G13-26/1200	L 36 W/840	MASTER TL-D Super 80 36W/840	F36W/840	F36W/840
T26	38	G13	3300	ww	18	FD-38/30/18-E-G13-26/1047	L 38 W/830	MASTER TL-D Super 80 38W/830	F38W/830	-
T26	38	G13	3300	mw	18	FD-38/40/18-E-G13-26/1047	L 38 W/840	MASTER TL-D Super 80 38W/840	F38W/840	-
T26	58	G13	5200	ww	18	FD-58/30/18-E-G13-26/1500	L 58 W/830	MASTER TL-D Super 80 58W/830	F58W/830	F58W/830
T26	58	G13	5200	mw	18	FD-58/40/18-E-G13-26/1500	L 58 W/840	MASTER TL-D Super 80 58W/840	F58W/840	F58W/840
<b>Compact fluorescent lamps</b>										
TC-S	9	G23	600	ww	18	F50-9/30/18-E-G23	DULUX 5 9 W/830	MASTER PL-S 9W/830/2P	Lymx-S 9W/830	F9 BX/830 2P G23 GE MH
TC-S	9	G23	600	mw	18	F50-9/40/18-E-G23	DULUX 5 9 W/840	MASTER PL-S 9W/840/2P	Lymx-S 9W/840	F9 BX/830 1/840 MH
TC-S	11	G23	900	ww	18	F50-11/30/18-E-G23	DULUX 5 11 W/830	MASTER PL-S 11W/830/2P	Lymx-S 11W/830	F11 BX/830 2P G23 GE MH
TC-S	11	G23	900	mw	18	F50-11/40/18-E-G23	DULUX 5 11 W/840	MASTER PL-S 11W/840/2P	Lymx-S 11W/840	F11 BX/840 2P/5 MH
TC-SEL	11	2G7	900	ww	18	F50-11/30/18-E-2G7	DULUX 5/E 11 W/830	MASTER PL-S 11W/830/4P	Lymx-SE 11W/830	-
TC-SEL	11	2G7	900	mw	18	F50-11/40/18-E-2G7	DULUX 5/E 11 W/840	MASTER PL-S 11W/840/4P	Lymx-SE 11W/840	F11 BX/840 4P 2G7 MH
TC-D	10	G24d-1	600	ww	18	F5Q-10/30/18-E-G24d-1	DULUX D 10 W/830	MASTER PL-C 10W/830/2P	Lymx-D 10W/830	F10DBX/4/SPX30/830
TC-D	10	G24d-1	600	mw	18	F5Q-10/40/18-E-G24d-1	DULUX D 10 W/840	MASTER PL-C 10W/840/2P	Lymx-D 10W/840	F10DBX/4/SPX41/840
TC-D	13	G24d-1	900	ww	18	F5Q-13/30/18-E-G24d-1	DULUX D 13 W/830	MASTER PL-C 13W/830/2P	Lymx-D 13W/830	F13DBX/4/SPX30/830
TC-D	13	G24d-1	900	mw	18	F5Q-13/40/18-E-G24d-1	DULUX D 13 W/840	MASTER PL-C 13W/840/2P	Lymx-D 13W/840	F13DBX/4/SPX41/840
TC-D	18	G24d-2	1200	ww	18	F5Q-18/30/18-E-G24d-2	DULUX D 18 W/830	MASTER PL-C 18W/830/2P	Lymx-D 18W/830	F18DBX/4/SPX30/830
TC-D	18	G24d-2	1200	mw	18	F5Q-18/40/18-E-G24d-2	DULUX D 18 W/840	MASTER PL-C 18W/840/2P	Lymx-D 18W/840	F18DBX/4/SPX41/840
TC-D	26	G24d-3	1800	ww	18	F5Q-26/30/18-E-G24d-3	DULUX D 26 W/830	MASTER PL-C 26W/830/2P	Lymx-D 26W/830	F26DBX/4/SPX30/830
TC-D	26	G24d-3	1800	mw	18	F5Q-26/40/18-E-G24d-3	DULUX D 26 W/840	MASTER PL-C 26W/840/2P	Lymx-D 26W/840	F26DBX/4/SPX41/840
TC-DEL	10	G24q-1	600	ww	18	F5Q-10/30/18-E-G24q-1	DULUX D/E 10 W/830	MASTER PL-C 10W/830/4P	-	F10DBX/SPX30/830/4P
TC-DEL	10	G24q-1	600	mw	18	F5Q-10/40/18-E-G24q-1	DULUX D/E 10 W/840	MASTER PL-C 10W/840/4P	Lymx-DE 10W/840	F10DBX/SPX41/840/4P
TC-DEL	13	G24q-1	900	ww	18	F5Q-13/30/18-E-G24q-1	DULUX D/E 13 W/830	MASTER PL-C 13W/830/4P	-	F13DBX/SPX30/830/4P
TC-DEL	13	G24q-1	900	mw	18	F5Q-13/40/18-E-G24q-1	DULUX D/E 13 W/840	MASTER PL-C 13W/840/4P	Lymx-DE 13W/840	F13DBX/SPX41/840/4P
TC-DEL	18	G24q-2	1200	ww	18	F5Q-18/30/18-E-G24q-2	DULUX D/E 18 W/830	MASTER PL-C 18W/830/4P	-	F18DBX/SPX30/830/4P
TC-DEL	18	G24q-2	1200	mw	18	F5Q-18/40/18-E-G24q-2	DULUX D/E 18 W/840	MASTER PL-C 18W/840/4P	Lymx-DE 18W/840	F18DBX/SPX41/840/4P
TC-DEL	26	G24q-3	1800	ww	18	F5Q-26/30/18-E-G24q-3	DULUX D/E 26 W/830	MASTER PL-C 26W/830/4P	-	F26DBX/SPX30/830/4P
TC-DEL	26	G24q-3	1800	mw	18	F5Q-26/40/18-E-G24q-3	DULUX D/E 26 W/840	MASTER PL-C 26W/840/4P	Lymx-DE 26W/840	F26DBX/SPX41/840/4P
TC-T	26	GX24d-3	1800	ww	18	F5M-26/30/18-E-GX24d-3	DULUX T 26 W/830 PLUS	MASTER PL-T 26W/830/2P	Lymx-T 26W/830	F26TBX/SPX30/830/A/2P
TC-T	26	GX24d-3	1800	mw	18	F5M-26/40/18-E-GX24d-3	DULUX T 26 W/840 PLUS	MASTER PL-T 26W/840/2P	Lymx-T 26W/840	F26TBX/SPX41/840/A/2P
TC-TBL	18	GX24q-2	1200	ww	18	F5MH-18/30/18-E-GX24q-2	DULUX T/E 18 W/830 PLUS	MASTER PL-T 18W/830/4P	Lymx-TE FSD 18W/830	F18TBX/830/A/4P/EOL
TC-TBL	18	GX24q-2	1200	mw	18	F5MH-18/40/18-E-GX24q-2	DULUX T/E 18 W/840 PLUS	MASTER PL-T 18W/840/4P	Lymx-TE FSD 18W/840	F18TBX/SPX41/840/A/4P
TC-TBL	26	GX24q-3	1800	ww	18	F5MH-26/30/18-E-GX24q-3	DULUX T/E 26 W/830 PLUS	MASTER PL-T 26W/830/4P	Lymx-TE FSD 26W/830	F26TBX/SPX30/830/A/4P
TC-TBL	26	GX24q-3	1800	mw	18	F5MH-26/40/18-E-GX24q-3	DULUX T/E 26 W/840 PLUS	MASTER PL-T 26W/840/4P	Lymx-TE FSD 26W/840	F26TBX/SPX41/840/A/4P
TC-TBL	32	GX24q-3	2400	ww	18	F5MH-32/30/18-E-GX24q-3	DULUX T/E 32 W/830 PLUS	MASTER PL-T 32W/830/4P	Lymx-TE FSD 32W/830	F32TBX/SPX30/830/AP/4P
TC-TBL	32	GX24q-3	2400	mw	18	F5MH-32/40/18-E-GX24q-3	DULUX T/E 32 W/840 PLUS	MASTER PL-T 32W/840/4P	Lymx-TE FSD 32W/840	F32TBX/SPX41/840/A/4P
TC-TBL	42	GX24q-4	3200	ww	18	F5MH-42/30/18-E-GX24q-4	DULUX T/E 42 W/830 PLUS	MASTER PL-T 42W/830/4P	Lymx-TE FSD 42W/830	F42TBX/830/A/4P/EOL
TC-TBL	42	GX24q-4	3200	mw	18	F5MH-42/40/18-E-GX24q-4	DULUX T/E 42 W/840 PLUS	MASTER PL-T 42W/840/4P	Lymx-TE FSD 42W/840	F42TBX/841/A/4P/EOL
TC-TBL	57	GX24q-5	4300	ww	18	F5MH-57/30/18-E-GX24q-5	-	MASTER PL-T 57W/830/4P	-	-
TC-TBL	57	GX24q-5	4300	mw	18	F5MH-57/40/18-E-GX24q-5	-	MASTER PL-T 57W/840/4P	-	-
TC-TBL	60	2G8-1	4000	ww	18	F5MH-60/30/18-L/P-2G8-1	-	MASTER PL-H 60W/830/4P	-	-
TC-TBL	60	2G8-1	4000	mw	18	F5MH-60/40/18-L/P-2G8-1	-	MASTER PL-H 60W/840/4P	-	-
TC-TBL	85	2G8-1	6000	ww	18	F5MH-85/30/18-L/P-2G8-1	-	MASTER PL-H 85W/830/4P	-	-
TC-TBL	85	2G8-1	6000	mw	18	F5MH-85/40/18-L/P-2G8-1	-	MASTER PL-H 85W/840/4P	-	-
TC-TBL	120	2G8-1	9000	ww	18	F5MH-120/30/18-L/P-2G8-1	DULUX 120 W HO CONSTANT/830	MASTER PL-H 120W/830/4P	-	-
TC-TBL	120	2G8-1	9000	mw	18	F5MH-120/40/18-L/P-2G8-1	DULUX 120 W HO CONSTANT/840	MASTER PL-H 120W/840/4P	-	-
TC-L	18	2G11	1200	ww	18	F50-18/30/18-E-2G11	DULUX L 18 W/830	MASTER PL-L 18W/830/4P	Lymx-L 18W/830	F18BX/830
TC-L	18	2G11	1200	mw	18	F50-18/40/18-E-2G11	DULUX L 18 W/840	MASTER PL-L 18W/840/4P	Lymx-L 18W/840	F18BX/840
TC-L	24	2G11	1800	ww	18	F50-24/30/18-E-2G11	DULUX L 24 W/830	MASTER PL-L 24W/830/4P	Lymx-L 24W/830	F24BX/830
TC-L	24	2G11	1800	mw	18	F50-24/40/18-E-2G11	DULUX L 24 W/840	MASTER PL-L 24W/840/4P	Lymx-L 24W/840	F24BX/840
TC-L	36	2G11	2900	ww	18	F50-36/30/18-E-2G11	DULUX L 36 W/830	MASTER PL-L 36W/830/4P	Lymx-L 36W/830	F36BX/830
TC-L	36	2G11	2900	mw	18	F50-36/40/18-E-2G11	DULUX L 36 W/840	MASTER PL-L 36W/840/4P	Lymx-L 36W/840	F36BX/840
TC-L	40	2G11	3500	ww	18	F50H-40/30/18-E-2G11	DULUX L 40 W/830	MASTER PL-L 40W/830/4P	Lymx-L 40W/830	F40BX/830
TC-L	40	2G11	3500	mw	18	F50H-40/40/18-E-2G11	DULUX L 40 W/840	MASTER PL-L 40W/840/4P	Lymx-L 40W/840	F40BX/840
TC-L	55	2G11	4800	ww	18	F50H-55/30/18-E-2G11	DULUX L 55 W/830	MASTER PL-L 55W/830/4P	Lymx-L 55W/830	F55BX/830 GE 25WAY
TC-L	55	2G11	4800	mw	18	F50H-55/40/18-E-2G11	DULUX L 55 W/840	MASTER PL-L 55W/840/4P	Lymx-L 55W/840	F55BX/840 GE 25WAY
TC-L	80	2G11	3500	ww	18	F50H-80/30/18-E-2G11	DULUX L 80 W/830	MASTER PL-L 80W/830/4P	-	-
TC-L	80	2G11	3500	mw	18	F50H-80/40/18-E-2G11	DULUX L 80 W/840	MASTER PL-L 80W/840/4P	-	-

Designation (LPS)	Wattage [Watt]	Cap	Typ. lumen output [lm]	Possible light colours	Colour rendering Index	ILCOS	OSRAM	PHILIPS	Havells Sylvania	GE
<b>Discoid fluorescent lamps</b>										
TCR-TSE flat	6	GX53	220	ww	18	--	--	--	Micro-Lynx F 6W/827	--
TCR-TSE flat	6	GX53	220	ww	18	--	--	--	Micro-Lynx F 6W/830	--
TCR-TSE flat	6	GX53	220	nw	18	--	--	--	Micro-Lynx F 6W/840	--
<b>Circular fluorescent lamps</b>										
T16-R Constant	22	2GX13	1800	ww	18	FSCH-22/30/2B-L/P-2GX13-16	--	MASTER T15 Circular 22W/830	--	--
T16-R Constant	22	2GX13	1800	nw	18	FSCH-22/40/2B-L/P-2GX13-16	--	MASTER T15 Circular 22W/840	--	--
T16-R Constant	40	2GX13	3300	ww	18	FSCH-40/30/2B-L/P-2GX13-16	--	MASTER T15 Circular 40W/830	--	--
T16-R Constant	40	2GX13	3300	nw	18	FSCH-40/40/2B-L/P-2GX13-16	--	MASTER T15 Circular 40W/840	--	--
T16-R Constant	55	2GX13	4200	ww	18	FSCH-55/30/2B-L/P-2GX13-16	--	MASTER T15 Circular 55W/830	--	--
T16-R Constant	55	2GX13	4200	nw	18	FSCH-55/40/2B-L/P-2GX13-16	--	MASTER T15 Circular 55W/840	--	--
T16-R	22	2GX13	1800	ww	18	FC-22/30/2B-E-2GX13-16	FC 22 W/830	--	--	--
T16-R	22	2GX13	1800	nw	18	FC-22/40/2B-E-2GX13-16	FC 22 W/840	--	--	--
T16-R	40	2GX13	3200	ww	18	FC-40/30/2B-E-2GX13-16	FC 40 W/830	--	--	--
T16-R	40	2GX13	3200	nw	18	FC-40/40/2B-E-2GX13-16	FC 40 W/840	--	--	--
T16-R	55	2GX13	4200	ww	18	FC-55/30/2B-E-2GX13-16	FC 55 W/830	--	--	--
T16-R	55	2GX13	4200	nw	18	FC-55/40/2B-E-2GX13-16	FC 55 W/840	--	--	--
<b>Fluorescent lamps with looped bulb</b>										
TC-DD	16	G88	1050	ww	18	F55-16/27/1B-G88	CFL SQUARE 16 W/827 2-Pin	PL-Q 16W/827/2P	--	F162D/827 GE 20PK
TC-DD	16	G88	1050	ww	18	F55-16/30/1B-G88	--	PL-Q 16W/830/2P	--	--
TC-DD	16	G88	1050	nw	18	F55-16/35/1B-G88	CFL SQUARE 16 W/835 2-Pin	--	--	F162D/835 GE 20PK
TC-DD	16	G88	1050	tw	18	F55-16/60/1B-G88	--	--	--	F162D/860 GE 20PK
<b>Metal halide lamps with ellipsoid bulb and quartz discharge tube</b>										
HE	70	E27	4700	ww	18	MES/UB-70/30/2B-H-E27-55/144	HQI-E 70/WDL	--	HSI-MP 70W CO 3K E27	--
HE	70	E27	5100	nw	18	MES/UB-70/38/2B-H-E27-55/144	HQI-E 70/NDL	--	HSI-MP 70W CO 4K E27	--
HE	100	E27	7900	ww	18	MES/UB-100/29/1B-H-E27-55/144	HQI-E 100/WDL	--	HSI-MP 100W CO 3K E27	--
HE	100	E27	7700	nw	18	MES/UB-100/38/1B-H-E27-55/144	HQI-E 100/NDL	--	HSI-MP 100W CO 4K E27	--
HE	150	E27	11600	ww	18	MES/UB-150/29/1B-H-E27-55/144	HQI-E 150/WDL	--	HSI-MP 150W CO 3K E27	--
HE	150	E27	11500	nw	18	MES/UB-150/38/1B-H-E27-55/144	HQI-E 150/NDL	--	HSI-MP 150W CO 4K E27	--
HE	250	E40	18000	nw	2A	ME-250/45/2A-H-E40-V	--	MASTER HPI Plus 250W/745 BU E40	Britelux HSI-SX 250W/CO/P	--
HE	250	E40	17000	tw	1A	MES/UB-250/52/1A-H-E40-90/226	HQI-E/P 250/D	--	--	ARC250/D/H/960/E40
HE	250	E40	19000	tw	1A	ME/UB-250/52/1A-H-E40-90/226	HQI-E 250/D	--	--	--
HE	250	E40	17000	tw	1A	ME/UB-250/60/2A-H-E40-90/226	--	--	--	--
HE	250	E40	18000	tw	2A	ME-250/67/2A-H-E40-90/225/V	--	MASTER HPI Plus 250W/767 BU E40	--	--
HE	400	E40	40000	nw	2B	ME/UB-400/46/2B-H-E40-120/285/H45	HQI-E 400/N	--	Britelux HSI-SX 400W/CO/P	--
HE	400	E40	32500	nw	2A	ME-400/45/2A-H-E40-V	--	MASTER HPI Plus 400W/745 BU E40	--	--
HE	400	E40	31000	tw	1A	MES/UB-400/45/1A-H-E40-120/290	HQI-E/P 400/D	--	--	--
HE	400	E40	34000	tw	1A	ME/UB-400/59/1A-H-E40-120/290	HQI-E 400/D	--	--	--
HE	400	E40	32500	tw	2A	ME-400/67/2A-H-E40-90/225/V	--	MASTER HPI Plus 400W/767 BU E40	--	--
HE	1000	E40	100000	nw	2B	ME-1000/37/2B-H-E40-165/380/H45	HQI-E 1000/N	--	--	--
<b>Metal halide lamps with ellipsoid bulb and ceramic discharge tube</b>										
HE-CE	70	E27	6400	ww	18	MES/UB-70/30/2B-H-E27-54/138	HCI-E/P 70/830 WDL PB coated	MASTER CityWhite CDO-ET 70W/828 E27	--	CMH70/E/UVC/U/830/E27/D
HE-CE	70	E27	6000	nw	1A	MES/UB-70/42/1A-H-E27-54/138	HCI-E/P 70/942 NDL PB coated	--	--	--
HE-CE	100	E27	8500	ww	18	MES/UB-100/30/1B-H-E27-54/138	HCI-E/P 100/830 WDL PB coated	--	--	CMH100/E/UVC/U/830/E27/D
HE-CE	100	E27	8300	nw	1A	MES/UB-100/42/1A-H-E27-54/138	HCI-E/P 100/942 NDL PB coated	--	--	--
HE-CE	150	E27	13300	ww	18	MES/UB-150/30/1B-H-E27-54/138	HCI-E/P 150/830 WDL PB coated	--	--	--
HE-CE	150	E27	13300	nw	1A	MES/UB-150/42/1A-H-E27-54/138	HCI-E/P 150/942 NDL PB coated	--	--	--
HE-CE	250	E40	24500	ww	18	ME/UB-250/30/1B-H-E40-90/226	HCI-E 250/830 WDL PB	--	--	--
HE-CE	250	E40	24500	nw	1A	ME/UB-250/42/1A-H-E40-90/226	HCI-E 250/830 NDL PB	--	--	--
<b>Metal halide lamps with tubular bulb and ceramic discharge tube</b>										
HT-TC-CE	20	PGJ5	1650	ww	18	MC-20/30/1B-H-PGJ5	--	CDM-Tm Mini 20W/830	--	--
HT-TC-CE	35	PGJ5	3000	ww	1A	MC-35/30/1A-H-PGJ5	--	CDM-Tm Mini 35W/930	--	--
HT-TC-CE	20	GU6.5	1700	ww	18	MT/UB-20/30/2B-H-E-GU6.5-13/57	HCI-TF 20/830 WDL PB	--	--	CMH20/T/UVC/830/GU6.5
HT-TC-CE	20	G8.5	1700	ww	18	MT/UB-20/30/2B-H-E-G8.5-13/81	HCI-TF 20/830 WDL PB	--	--	CMH20/T/UVC/830/G8.5
HT-TC-CE	35	G8.5	3000	ww	1A	MT/UB-35/30/1A-H-G8.5-15/81	HCI-TF 35/930 WDL PB	MASTERColour CDM-TC Elite 35W/930 G8.5	--	--
HT-TC-CE	35	G8.5	3400	ww	18	MT/UB-35/30/2B-H-G8.5-15/81	HCI-TF 35/830 WDL PB	MASTERColour CDM-TC 35W/830 G8.5	CM-T 35W/WDL UVS	CMH35/T/UVC/U/830/G8.5
HT-TC-CE	35	G8.5	3200	nw	1A	MT/UB-35/42/1A-H-G8.5-15/81	HCI-TF 35/942 NDL PB	MASTERColour CDM-TC 35W/942 G8.5	--	--
HT-TC-CE	70	G8.5	6300	ww	1A	MT/UB-70/30/2B-H-G8.5-15/81	HCI-TF 70/930 WDL PB	MASTERColour CDM-TC Elite 70W/930 G8.5	--	--
HT-TC-CE	70	G8.5	6900	ww	18	MT/UB-70/30/1B-H-G8.5-15/81	HCI-TF 70/830 WDL PB	MASTERColour CDM-TC 70W/830 G8.5	CM-T 70W/WDL UVS	CMH70/T/UVC/U/830/G8.5
HT-TC-CE	70	G8.5	6900	nw	1A	MT/UB-70/42/1A-H-G8.5-15/81	--	MASTERColour CDM-TC 70W/942 G8.5	--	--
HT-CE	35	G12	3100	ww	1A	MT/UB-35/30/1A-H-G12-19/100	HCI-T 35/930 WDL PB	MASTERColour CDM-T Elite 35W/930 G12	--	--
HT-CE	35	G12	3400	ww	18	MT/UB-35/30/2B-H-G12-19/100	HCI-T 35/830 WDL PB	MASTERColour CDM-T 35W/830 G12	CM-T 35W/WDL UVS	CMH35/T/UVC/U/830/G12
HT-CE	35	G12	3300	nw	1A	MT/UB-35/42/1A-H-G12-19/100	HCI-T 35/942 NDL PB	MASTERColour CDM-T 35W/942 G12	--	--
HT-CE	70	G12	6400	ww	1A	MT/UB-70/30/2B-H-G12-19/100	HCI-T 70/930 WDL PB	MASTERColour CDM-T Elite 70W/930 G12	--	--
HT-CE	70	G12	7000	ww	18	MT/UB-70/30/1B-H-G12-19/100	HCI-T 70/830 WDL PB	MASTERColour CDM-T 70W/830 G12	CM-T 70W/WDL UVS	CMH70/T/UVC/U/830/G12
HT-CE	70	G12	6700	nw	1A	MT/UB-70/42/1A-H-G12-19/100	HCI-T 70/942 NDL PB	MASTERColour CDM-T 70W/942 G12	CM-T 70W/WDL UVS	CMH70/T/UVC/U/942/G12
HT-CE	150	G12	15500	ww	18	MT/UB-150/30/2B-H-G12-25/105	HCI-T 150/830 WDL PB	MASTERColour CDM-T 150W/830 G12	CM-T 150W/WDL UVS	CMH150/T/UVC/U/830/G12
HT-CE	150	G12	14500	nw	1A	MT/UB-150/42/1A-H-G12-25/105	HCI-T 150/942 NDL PB	MASTERColour CDM-T 150W/942 G12	CM-T 150W/WDL UVS	CMH150/T/UVC/U/942/G12
HT-CE	70	E27	6300	ww	18	MT-70/28/1B-H-E27	--	MASTER CityWhite CDO-TT 70W/828 E27	--	CMH70/T/UVC/830/E27
HT-CE	70	E27	6400	nw	1A	MT-70/42/1A-H-E27	--	MASTER Colour CDM-TT 70W/942 E27	--	--
HT-CE	150	E40	13500	ww	18	MT-150/28/1B-H-E40	--	MASTER CityWhite CDO-TT 150W/828 E40	--	CMH150/T/UVC/830/E40
HT-CE	150	E40	12000	nw	1A	MT-150/42/1A-H-E40	--	MASTER Colour CDM-TT 150W/942 E40	--	--
HT-CE	250	E40	25800	ww	18	MT/UB-250/30/2B-H-E40-46/226	HCI-T 250/830 WDL PB	MASTER City White CDO-TT 250W/828	--	CMH250/T/UVC/U/830/E40
HT-CE	250	E40	25000	nw	1A	MT/UB-250/42/1A-H-E40-46/226	HCI-T 250/942 NDL PB	--	--	--
HT-CE	400	E40	42000	ww	18	MT/UB-400/30/2B-H-E40	--	--	--	MH400/T/UVC/VBU/830/E40
HT-CE-ed	45	PC212	4300	ww	2B	MT-45/28/2B-H-PC212	--	MASTER CosmoWhite CPO-TW 45W/828 PC212	--	--
HT-CE-ed	60	PC212	6850	ww	2A	MT-60/28/2A-H-PC212	--	MASTER CosmoWhite CPO-TW 60W/728 PC212	--	--
HT-CE-ed	90	PC212	10450	ww	2A	MT-90/28/2A-H-PC212	--	MASTER CosmoWhite CPO-TW 90W/728 PC212	--	--
HT-CE-ed	140	PC212	16500	ww	2A	MT-140/28/2A-H-PC212	--	MASTER CosmoWhite CPO-TW 140W/728 PC212	--	--

Designation (LBS)	Wattage [Watt]	Cap	Typ. lumen output [lm]	Possible light colours	Colour rendering index	ILCOS	OSRAM	PHILIPS	Havells Sylvania	GE
<b>Metal halide lamps with tubular bulb and quartz discharge tube</b>										
HIT	250	E40	20500	mw	2B	MT-250/45/2B-H-E40/H	-	MASTER HPI-T Plus 250W/645 E40	HPI-THX 250W	ARC250/T/H/742/E40
HIT	250	E40	20000	tw	1A	MT-250/53/1A-H-E40	-	-	HPI-T 250W / 6K	ARC250/T/VBU/960/E40
HIT	400	E40	35000	tw	1A	MC/UB-400/52/1A-H-E40-62/285	HQI-BT 400/D	-	HPI-T 400W / 6K	KRC400/T/H/960/E40
HIT	400	E40	35000	mw	2B	MT-400/45/2B-H-E40-YH	-	MASTER HPI-T Plus 400W/645 E40	Britelux HSI-TSX 400W	ARC400/T/H/742/E40
HIT	400	E40	42000	mw	2B	MT/UB-400/35/2B-H-E40-46/273/P45	HQI-T 400/N	-	-	-
HIT	1000	E40	110000	mw	2B	MT-1000/35/2B-H-E40-76/345/P30	HQI-T 1000/N	-	-	-
HIT	1000	E40	85000	mw	2B	MT-1000/43/2B-H-E40/H	-	HPI-T Pro 1000W/643 E40 220V	HPI-T 1000W/4K	-
HIT	1000	E40	85000	tw	1A	MT-1000/60/1A-H-E40-76/340/P30	HQI-T 1000/D	-	-	-
HIT	2000	E40	240000	mw	2B	MT-2000/40/2B-E-E40-100/430/P60	HQI-T 2000/N/E SUPER	-	HPI-T 2000W-SAK 380V/1	SPL2000/T/H/1/640/E40
HIT	2000	E40	240000	mw	2B	MT-2000/40/2B-E-E40-100/430/P60	HQI-T 2000/N/SN/ SUPER	-	HPI-T 2000W-SAK 380V	-
HIT	2000	E40	220000	mw	2B	MT-2000/45/2B-E-E40-100/430/P30	HQI-T 2000/N/230 V	-	-	-
HIT	2000	E40	200000	mw	2B	MT-2000/45/2B-E/H-E40-100/430/P60	HQI-T 2000/N	HPI-T 2000W/646 E40 220V	-	-
HIT	2000	E40	180000	tw	1A	MT-2000/60/1A-E-E40-100/430/P30	HQI-T 2000/D	-	-	HGMJ2000W/D1
HIT	2000	E40	180000	tw	1A	MT-2000/60/1A-E/H-E40-100/430/P30	HQI-T 2000/D/1	-	-	HGMJ2000W/D
<b>Metal halide lamps with tubular bulb and ceramic discharge tube</b>										
HIT-DE-CE	70	8X7s	6700	mw	1A	MD/UB-70/42/1A-H-8X7s-21/114,2/P45	HCI-TS 70/942 NDL PB	MASTERColour CDM-TD 70W/942 8X7s	CMH-TD 70W/NDL UV5	CMH70/TO/UV5/942/8X7s
HIT-DE-CE	150	8X7s-24	14800	ww	1B	MD/UB-150/30/1B-H-8X7s-24-24/132/P45	HCI-TS 150/830 WDL PB	MASTERColour CDM-TD 150W/830 8X7s	CMH-TD 150W/WDL UV5	-
HIT-DE-CE	150	8X7s-24	14200	mw	1A	MD/UB-150/42/1A-H-8X7s-24-24/132/P45	HCI-TS 150/942 NDL PB	MASTERColour CDM-TD 150W/942 8X7s	CMH-TD 150W/NDL UV5	CMH150/TO/UV5/942/8X7s-24
HIT-DE-CE	250	Fc2	25000	ww	1B	MD/UB-250/30/1B-H-Fc2-25/136/P45	HCI-TS 250/830 WDL PB	-	-	-
HIT-DE-CE	250	Fc2	23000	mw	1A	MD/UB-250/42/1A-H-Fc2-25/136/P45	HCI-TS 250/942 NDL PB	-	-	-
<b>Metal halide lamps with tubular bulb and quartz discharge tube</b>										
HIT-DE	400	Fc2	36000	mw	1B	MD/UB-400/42/1B-H-Fc2-31/206/P45	HQI-TS 400/NDL	-	-	-
HIT-DE	400	Fc2	37000	tw	1A	MD/UB-400/52/1A-H-Fc2-31/206/P45	HQI-TS 400/D	-	-	-
HIT-DE	1000	Kabel	90000	mw	1B	MN-1000/44/1B-H-Kabelschuh-36/187/P15	HQI-TS 1000/NDL/S	-	-	-
HIT-DE	1000	Kabel	90000	tw	1A	MN-1000/59/1A-H-Kabelschuh-36/187/P15	HQI-TS 1000/D/S	-	-	-
HIT-DE	2000	Kabel	200000	tw	1A	MN-2000/58/1A-E-Kabelschuh-36/187/P15	HQI-TS 2000/D/S	MHN-SB 2000W/956 400V K12s-7	HPI-TD 2000W/D	-
HIT-DE	2000	Kabel	200000	mw	1B	-	HQI-TS 2000/NDL/S	-	-	-
HIT-DE Longarc	2000	Kabel	230000	mw	2B	MN-2000/41/2B-E-Kabelschuh-32/268/P15	HQI-TS 2000/N/1	-	-	-
<b>Mercury lamps with ellipsoid bulb</b>										
HME	50	E27	1600	ww	2B	QE/R-50/30/2B-H-E27-55/130	HQL 50 Super De Luxe	-	HSL-SC 50 W	-
HME	50	E27	2000	ww	3	QE/R-50/33/3-H-E27-55/130	HQL 50 De Luxe	HPL 4 50W/634 E27 SG	-	H50DX/27
HME	50	E27	1800	mw	3	QE/R-50/42/3-H-E27-55/130	HQL 50	HPL 4 50W/642 E27 SG	HSL-BW 50 W	H50/27
HME	80	E27	3400	ww	2B	QE/R-80/30/2B-H-E27-70/156	HQL 80 Super De Luxe	-	HSL-SC 80W E27	-
HME	80	E27	4000	ww	3	QE/R-80/32/3-H-E27-70/156	HQL 80 De Luxe	HPL 4 80W/634 E27 SG	-	H80DX/27
HME	80	E27	3800	mw	3	QE/R-80/41/3-H-E27-70/156	HQL 80	HPL 4 80W/642 E27 SG	HSL-BW 80W E27	H80/27
HME	125	E27	5700	ww	2B	QE/R-125/30/2B-H-E27-75/170	HQL 125 Super De Luxe	-	HSL-SC 125W E27	-
HME	125	E27	6800	ww	3	QE/R-125/32/3-H-E27-75/170	HQL 125 De Luxe	HPL 4 125W/634 E27 SG	-	H125DX/27
HME	125	E27	6300	mw	3	QE/R-125/40/3-H-E27-75/170	HQL 125	HPL 4 125W/642 E27 SG	HSL-BW 125W E27	H125/27
HME	250	E40	14000	ww	3	QE/R-250/31/3-H-E40-90/226	HQL 250 De Luxe	HPL Comfort 250W E40 HG	HSL-SC 250W E40	-
HME	250	E40	13000	ww	3	QE/R-250/33/3-H-E40-90/226	-	-	-	H250DX/40
HME	250	E40	11000	mw	3	QE/R-250/39/3-H-E40-90/226	HQL 250	HPL-N 250W/542 E40 HG	HSL-BW 250W E40	H250/40
HME	400	E40	24000	ww	3	QE/R-400/30/3-H-E40-120/290	HQL 400 De Luxe	HPL-Comfort 400 W HG	-	-
HME	400	E40	22000	ww	3	QE/R-400/30/3-H-E40-120/290	HQL 400	-	-	-
HME	400	E40	24200	mw	3	QE-400/35/3-H-E40	-	HPL Comfort 400W E40 HG	HSL-SC 400W E40	H400DX/40
HME	400	E40	22000	mw	3	QE-400/40/3-H-E40	-	HPL-N 400W/542 E40 HG	HSL-BW 400W E40	H400/40
HME	1000	E40	57000	mw	3	QE/R-1000/35/3-H-E40-165/355	HQL 1000	-	-	-
HME	1000	E40	58500	mw	4	QE-1000/38/4-H-E40	-	HPL-N 1000W/542 E40 HG	HSL-BW 1000W E40	-
<b>High pressure sodium lamps with ellipsoid bulb</b>										
HSE-I	50	E27	3500	ww	4	SE-50/20/4-H/H-E27-70/156	NAV-E 50/I	SON 50W/220 I E27	SHP 50W/CO-I	LU50/90/I/27 MIH
HSE-I	70	E27	5600	ww	4	SE-70/20/4-H/H-E27-70/156	NAV-E 70/I	SON 70W/220 I E27	SHP 70W/CO-I	LU70/90/I/27 MIH
HSE	50	E 27	3500	ww	4	SE-50/20/4-H-E27-70/156	NAV-E 50/E	MASTER SON PIA 50W/220 E27	SHP-S 50W/CO-E	LU50/90/SBY/D/27 MIH
HSE	70	E 27	5600	ww	4	SE-70/20/4-H-E27-70/156	NAV-E 70/E	MASTER SON PIA 70W/220 E27	SHP-S 70W/CO-E	LU70/90/SBY/D/27 MIH
HSE	100	E40	10200	ww	4	SE-100/20/4-H-E40-75/186	NAV-E 100 SUPER 4Y	MASTER SON PIA Plus 100W/220 E40	SHP-S 100W	LU100/100/SBY/D/27 MIH
HSE	150	E40	17000	ww	4	SE-150/20/4-H-E40-90/226	NAV-E 150 SUPER 4Y	MASTER SON PIA Plus 150W/220 E40	SHP-S 150W	LU150/100/SBY/D/40 MIH
HSE	250	E40	31100	ww	4	SE-250/20/4-H-E40-90/226	NAV-E 250 SUPER 4Y	MASTER SON PIA Plus 250W/220 E40	SHP-S 250W	LU250/SBY/D/40 MIH
HSE	400	E40	55500	ww	4	SE-400/20/4-H-E40-120/290	NAV-E 400 SUPER 4Y	MASTER SON PIA Plus 400W/220 E40	SHP-S 400W	LU400/SBY/D/40 MIH
HSE	1000	E40	120000	ww	4	SE-1000/20/4-H-E40-165/370	NAV-E 1000	SON 1000W/220 E40	-	LU1000/I10/D40 MIH
<b>High pressure sodium lamps with tubular bulb</b>										
HST	50	E27	4400	ww	4	ST-50/20/4-H-E27-37/156	NAV-T 50 SUPER 4Y	MASTER SON-T PIA Plus 50W/220	SHP-TS 50W	LU50/90/SBY/T/27 MIH
HST	70	E27	6600	ww	4	ST-70/20/4-H-E27-37/156	NAV-T 70 SUPER 4Y	MASTER SON-T PIA Plus 70W/220 E27	SHP-TS 70W	LU70/90/SBY/T12/27 MIH
HST	100	E40	10700	ww	4	ST-100/20/4-H-E40-46/211	NAV-T 100 SUPER 4Y	MASTER SON-T PIA Plus 100W/220 E40	SHP-TS 100W	LU100/100/MO/SBY/T/40
HST	150	E40	17500	ww	4	ST-150/20/4-H-E40-46/211	NAV-T 150 SUPER 4Y	MASTER SON-T PIA Plus 150W/220 E40	SHP-TS 150W	LU150/100/SBY/T/40 MIH
HST	250	E40	33200	ww	4	ST-250/20/4-H-E40-46/257	NAV-T 250 SUPER 4Y	MASTER SON-T PIA Plus 250W/220 E40	SHP-TS 250W	LU250/SBY/T/40 MIH
HST	400	E40	56500	ww	4	ST-400/20/4-H-E40-46/285	NAV-T 400 SUPER 4Y	MASTER SON-T PIA Plus 400W/220 E40	SHP-TS 400W	LU400/SBY/T/40 MIH
HST	1000	E40	130000	ww	4	ST-1000/20/4-H-E40-65/355	NAV-T 1000	SON-T 1000W/220 E40	SHP-T 1000W	TU LU1000/I10/T/40 4PK GE MIH
HST-DE	70	8X7s	6800	ww	4	SD-70/20/4-H-8X7s-20/114,2/P45	NAV-TS 70 SUPER 4Y	-	SH-P - TD 70W	-
HST-DE	150	8X7s-24	15000	ww	4	SD-150/20/4-H-8X7s-24-23/132/P45	NAV-TS 150 SUPER 4Y	-	SH-P - TD 150W	-
HST-DE	250	Fc2	25500	ww	4	SD-250/20/4-H-Fc2-23/206/P45	NAV-TS 250	-	-	-
HST-DE	400	Fc2	48000	ww	4	SD-400/20/4-H-Fc2-23/206/P45	NAV-TS 400	-	-	-
HST-CRI	50	GX12-1	2400	ww	1B	STH-50/25/1B-CX12-1	-	MASTER SOW-TG Mini 50W/825 GX12-1	-	-
HST-CRI	100	GX12-1	4900	ww	1B	STH-100/25/1B-CX12-1	-	MASTER SOW-TG Mini 100W/825 GX12-1	-	-



Designation (LBS)	Wattage [Watt]	Cap	Typ. lumen output [lm]	Possible light colours	Colour rendering Index	ILCOS	OSRAM	PHILIPS	Havells Sylvania	GE
<b>Low voltage halogen incandescent lamps</b>										
QT LPax 12	20	GY6.35	320	ww	1A	HSGST/UB-20-12-GY6.35-15	64427S	Capsuleline 20W GY6.35 12V CL 4000h	--	M76/Q20/GY6.35
QT LPax 12	20	GY6.35	420	ww	1A	HSG/F-20-12-GY6.35	--	MASTERCapsule 20W GY6.35 12V IR	--	--
QT LPax 12	25	GY6.35	500	ww	1A	HSGST/UB/9-25-12-GY6.35	64429 IRC	--	--	--
QT LPax 12	30	GY6.35	750	ww	1A	HSG/F-30-12-GY6.35	--	MASTERCapsule 30W GY6.35 12V IR	--	--
QT LPax 12	35	GY6.35	600	ww	1A	HSGST/UB-35-12-GY6.35-15	64432S	Capsuleline 35W GY6.35 12V CL 4000h	Capsule 12V/35W	M75/Q35/GY6.35
QT LPax 12	35	GY6.35	900	ww	1A	HSGST/UB/9-35-12-GY6.35	64432 IRC	--	--	--
QT LPax 12	40	GY6.35	1250	ww	1A	HSG/F-40-12-GY6.35	--	MASTERCapsule 40W GY6.35 12V IR	--	--
QT LPax 12	50	GY6.35	910	ww	1A	HSGST/UB-50-12-GY6.35-15	64440S	Capsuleline 50W GY6.35 12V CL 4000h	Capsule 12V/50W	M74/Q50/GY6.35
QT LPax 12	50	GY6.35	1250	ww	1A	HSGST/UB/9-50-12-GY6.35	64440 IRC	--	--	--
QT LPax 12	60	GY6.35	1700	ww	1A	HSG/F-60-12-GY6.35	--	MASTERCapsule 60W GY6.35 12V IR	--	--
QT LPax 12	65	GY6.35	1700	ww	1A	HSGST/UB/65-12-GY6.35	64447 IRC	--	--	--
QT LPax 12	75	GY6.35	1450	ww	1A	HSGST/UB-75-12-GY6.35-15	64450S	Capsuleline 75W GY6.35 12V CL 4000h	Capsule 12V/75W	M73/Q75/GY6.35
QT LPax 12	90	GY6.35	1800	ww	1A	HSGST/UB-90-12-GY6.35-15	64458S	--	--	--
QT LPax 12	100	GY6.35	2200	ww	1A	HSG/C/UB-100-12-GY6.35	--	Capsuleline 100W GY6.35 12V CL 4000h	Capsule 12V/100W	M180/Q100/GY6.35

**Low voltage halogen incandescent lamps with reflector**

QR-CBCS1/8" IRC	20	GUS.3	--	ww	1A	HRGS/UB/9-20-12-GUS.3-51/8	--	MASTERLine ES 20W GUS.3 12V 8D	--	--
QR-CBCS1/10" IRC	20	GUS.3	--	ww	1A	HRGS/UB/9-20-12-GUS.3-51/10	48860SP	--	--	--
QR-CBCS1/24" IRC	20	GUS.3	--	ww	1A	HRGS/UB/9-20-12-GUS.3-51/24	48860FL	--	--	--
QR-CBCS1/36" IRC	20	GUS.3	--	ww	1A	HRGS/UB/9-20-12-GUS.3-51/36	48860WFL	MASTERLine ES 20W GUS.3 12V 36D	--	--
QR-CBCS1/60" IRC	20	GUS.3	--	ww	1A	HRGS/UB/9-20-12-GUS.3-51/60	48860VWFL	--	--	--
QR-CBCS1/8" IRC	30	GUS.3	--	ww	1A	HRGS-30-12-GUS.3-50/8	--	MASTERLine ES 30W GUS.3 12V 8D	--	--
QR-CBCS1/24" IRC	30	GUS.3	--	ww	1A	HRGS-30-12-GUS.3-50/24	--	MASTERLine ES 30W GUS.3 12V 24D	--	--
QR-CBCS1/36" IRC	30	GUS.3	--	ww	1A	HRGS-30-12-GUS.3-50/36	--	MASTERLine ES 30W GUS.3 12V 36D	--	--
QR-CBCS1/60" IRC	30	GUS.3	--	ww	1A	HRGS-30-12-GUS.3-50/60	--	MASTERLine ES 30W GUS.3 12V 60D	--	--
QR-CBCS1/8" IRC	35	GUS.3	--	ww	1A	HRGS-35-12-GUS.3-50/8	--	MASTERLine ES 35W GUS.3 12V 8D	--	--
QR-CBCS1/10" IRC	35	GUS.3	--	ww	1A	HRGS/UB/9-35-12-GUS.3-51/10	48865SP	--	--	--
QR-CBCS1/24" IRC	35	GUS.3	--	ww	1A	HRGS/UB/9-35-12-GUS.3-51/24	48865FL	MASTERLine ES 35W GUS.3 12V 24D	--	--
QR-CBCS1/36" IRC	35	GUS.3	--	ww	1A	HRGS/UB/9-35-12-GUS.3-51/36	48865WFL	MASTERLine ES 35W GUS.3 12V 36D	--	--
QR-CBCS1/60" IRC	35	GUS.3	--	ww	1A	HRGS/UB/9-35-12-GUS.3-51/60	48865VWFL	MASTERLine ES 35W GUS.3 12V 60D	--	--
QR-CBCS1/8" IRC	45	GUS.3	--	ww	1A	HRGS-45-12-GUS.3-50/8	--	MASTERLine ES 45W GUS.3 12V 8D	--	--
QR-CBCS1/24" IRC	45	GUS.3	--	ww	1A	HRGS-45-12-GUS.3-50/24	--	MASTERLine ES 45W GUS.3 12V 24D	--	--
QR-CBCS1/36" IRC	45	GUS.3	--	ww	1A	HRGS-45-12-GUS.3-50/36	--	MASTERLine ES 45W GUS.3 12V 36D	--	--
QR-CBCS1/60" IRC	45	GUS.3	--	ww	1A	HRGS-45-12-GUS.3-50/60	--	MASTERLine ES 45W GUS.3 12V 60D	--	--
QR-CBCS1/10" IRC	50	GUS.3	--	ww	1A	HRGS/UB/9-50-12-GUS.3-51/10	48870SP	--	--	--
QR-CBCS1/24" IRC	50	GUS.3	--	ww	1A	HRGS/UB/9-50-12-GUS.3-51/24	48870FL	--	--	--
QR-CBCS1/36" IRC	50	GUS.3	--	ww	1A	HRGS/UB/9-50-12-GUS.3-51/36	48870WFL	--	--	--
QR-CBCS1/60" IRC	50	GUS.3	--	ww	1A	HRGS/UB/9-50-12-GUS.3-51/60	48870VWFL	--	--	--

**High voltage halogen incandescent lamps**

QT32/m	60	E27	790	ww	1A	HSGST/F/UB-60-230-E27	64472 IM	Halogena 13658 60W E27 230V T32 FR	--	--
QT32/m	75	E27	1050	ww	1A	HSGST/F/UB-75-230-E27	64474 IM	--	--	--
QT32/m	100	E27	1470	ww	1A	HSGST/F/UB-100-230-E27	64476 IM	Halogena 13662 100W E27 230V T32 FR	DUX/T Satin 100W	--
QT32/m	150	E27	2400	ww	1A	HSGST/F/UB-150-230-E27	64478 IM	Halogena 13946 150W E27 230V T32 FR	DUX/T Satin 150W	--
QT32/m	230	E27	4210	ww	1A	HSGST/F/UB-230-230-E27	64480 IM	--	--	--
QT-DE11/12	60	R7s	840	ww	1A	HOG-60-230-R7s-74,9	64688	Fluoline Compact 60W R7s/18 230V	DE 230V 60W	--
QT-DE11/12	100	R7s	1600	ww	1A	HOG-100-230-R7s-74,9	64690	Fluoline Compact 100W R7s/18 230V	DE 230V 100W	K14/Q100 T2,5/CL
QT-DE11/12 [L=74,9]	150	R7s	2500	ww	1A	HOG-150-230-R7s-74,9	64695	Fluoline Compact 150W R7s/18 230V	DE 230V 150W	K12/Q150 T2,5/CL
QT-DE11/12 [L=114,2]	150	R7s	2600	ww	1A	HOG-150-230-R7s-114,2	64696	--	--	K28/Q150 T2,5/CL
QT-DE11/12 [L=114,2]	200	R7s	3500	ww	1A	HOG-200-230-R7s-114,2	64698	Fluoline Small 200W R7s 230V	DE 230V 200W	K11/Q200 T2,5/CL
QT-DE11/12	300	R7s	5300	ww	1A	HOG-300-230-R7s-114,2	64701	Fluoline Small 300W R7s 230V	DE 230V 300W	K9/Q300 T2,5/CL
QT-DE11/12	500	R7s	9500	ww	1A	HOG-500-230-R7s-114,2	64702	Fluoline Small 500W R7s 230V	DE 230V 500W	K1,Q500 T2,5/CL
QT-DE11/12	750	R7s	16500	ww	1A	HOG-750-230-R7s-185,7	64560	Fluoline Large 750W R7s 230V	--	K3/Q750 T3/CL
QT-DE11/12	1000	R7s	22000	ww	1A	HOG-1000-230-R7s-185,7	64740	Fluoline Large 1000W R7s 230V	DE 230V 1000W	K16/1000 T3/CL

**High voltage halogen incandescent lamps with reflector**

QPARS1/36"	20	GU10	--	ww	1A	HAGS-20-230-GU10-51/36	--	--	--	Q20MR16/230/FL
QPARS1/40"	20	GU10	--	ww	1A	HAGS-20-230-GU10-51/40	--	Twistline Alu 2000h 20W GU10 230V 40D	--	--
QPARS1/20"	35	GU10	--	ww	1A	HAGS-35-230-GU10-51/20	--	Twistline Alu 2000h 35W GU10 230V 20D	--	--
QPARS1/25"	35	GU10	--	ww	1A	HAGS-35-230-GU10-51/25	--	--	HI-SPOT ES 50 35W/FL25"	--
QPARS1/35"	35	GU10	--	ww	1A	HAGS/UB-35-230-GU10-51/35	64820 FL	--	--	Q35MR16/230/FL
QPARS1/40"	35	GU10	--	ww	1A	HAGS-35-230-GU10-51/40	--	Twistline Alu 2000h 35W GU10 230V 40D	--	--
QPARS1/20"	50	GU10	--	ww	1A	HAGS-50-230-GU10-51/20	--	Twistline Alu 2000h 50W GU10 230V 20D	--	--
QPARS1/25"	50	GU10	--	ww	1A	HAGS-50-230-GU10-51/25	--	Twistline Alu 2000h 50W GU10 230V 25D	HI-SPOT ES 50 50W/FL25"	Q50MR16/230/25"
QPARS1/35"	50	GU10	--	ww	1A	HAGS/UB-50-230-GU10-51/35	64824 FL	--	--	Q50MR16/230/36"
QPARS1/40"	50	GU10	--	ww	1A	HAGS-50-230-GU10-51/40	--	Twistline Alu 2000h 50W GU10 230V 40D	--	--
QPARS1/50"	50	GU10	--	ww	1A	HAGS-50-230-GU10-51/50	--	Twistline Alu 2000h 50W GU10 230V 50D	HI-SPOT ES 50 50W/WFL50"	--

**High voltage incandescent lamps**

IT	15	E14	110	ww	1A	IBC/F-15-230-E14-26	SPC T26/S7 FR 15 W 230 V E14	Deco 15W E14 230-240V T25 FR	--	15T25/CL/E14
IT	25	E14	190	ww	1A	IBC/F-25-230-E14-26	SPC T26/S7 FR 25 W 230 V E14	Deco 25W E14 230-240V T25 FR	--	25T25/CL/E14
A55/m	40	E27	415	ww	1A	IAA/F-40-230-E27-55	CLAS A FR 40	Standard 40W E27 230V A55 FR	GLS Long Life 40W 240V E27 Satin	40A1/FR/E27
A55/m	60	E27	710	ww	1A	IAA/F-60-230-E27-55	CLAS A FR 60	Standard 60W E27 230V A55 FR	GLS Long Life 60W 240V E27 Satin	60A1/FR/E27
A55/m	75	E27	935	ww	1A	IAA/F-75-230-E27-55	CLAS A FR 75	Standard 75W E27 230V A55 FR	GLS Long Life 75W 240V E27 Satin	75A1/FR/E27
A55/m	100	E27	1340	ww	1A	IAA/F-100-230-E27-55	CLAS A FR 100	Standard 100W E27 230V A55 FR	GLS 100W 240V E27 Pearl	100A1/FR/E27
A65/m	150	E27	2160	ww	1A	IAA/F-150-230-E27-65	CLAS A FR 150	Standard 150W E27 230V A65 FR	GLS 150W 240V E27 Pearl	150A1/FR/E27
A80/m	200	E27	3040	ww	1A	IAA/F-200-230-E27-80	CLAS A FR 200	Standard 200W E27 230V A80 FR	GLS 200W 240V E27 Pearl	200A1/FR/E27

Please note: subject to alteration. The list represents a selection from manufacturers' lamp ranges. Specifications for luminous flux, colour temperature and colour rendition as well as the ILCOS code mostly correspond to the first specified manufacturer's lamp designation within the row. It is the responsibility of the user to ascertain suitability of lamps for Sireco luminaires.

Lamps	ZVEI	Lamp rating in [Watt]	Power consumption in [Watt] with					
			nominal	ECG	ECG DALI	ECG dimmable (1...10V)	LLCG	CCG
2	T16	8	18	--	--	--	--	--
1	T16	14	16	16	16	--	--	--
2	T16	14	31-32	31	31-36	--	--	--
3	T16	14	47-48	46	46-64	--	--	--
4	T16	14	64-65	61	61	--	--	--
1	T16	21	25	24	24	--	--	--
2	T16	21	47	45	45-50	--	--	--
1	T16	28	31-32	31	31	--	--	--
2	T16	28	63-64	61-63	61-64	--	--	--
4	T16	28	120	--	--	--	--	--
1	T16	35	39	39	38-39	--	--	--
2	T16	35	75-79	74-78	74-77	--	--	--
4	T16	35	158	--	--	--	--	--
1	T16	24	27	26	26	--	--	--
2	T16	24	51-54	50-55	50-55	--	--	--
3	T16	24	78	74	74-82	--	--	--
4	T16	24	102	98	98	--	--	--
1	T16	39	43-44	42	42-44	--	--	--
2	T16	39	88	82	82	--	--	--
1	T16	54	59-62	59-62	59-61	--	--	--
2	T16	54	118-119	115-118	115-118	--	--	--
3	T16	54	179	--	--	--	--	--
4	T16	54	236	--	--	--	--	--
1	T16	49	43-55	54-55	54-55	--	--	--
2	T16	49	110	102-111	102-111	--	--	--
3	T16	49	164	--	--	--	--	--
4	T16	49	220	--	--	--	--	--
1	T16	80	86-91	89	86-88	--	--	--
2	T16	80	176	169-178	169-176	--	--	--
3	T16	80	262	--	--	--	--	--
4	T16	80	352	--	--	--	--	--
1	T26	18	19	18	18-19	24-30	--	--
2	T26	18	36	37	36-37	46	--	--
3	T26	18	55	54	54	70-72	--	--
4	T26	18	72	70	70	89	--	--
1	T26	36	34	36	36	42-46	--	--
2	T26	36	70	69	69-71	84-96	--	--
1	T26	38	35	--	--	--	--	--
1	T26	58	48-53	56-62	56	67-71	--	--
2	T26	58	95-106	108-119	108-111	134-142	--	--
4	T26	58	220	--	222	--	--	--
1	TC-S	9	--	--	--	13	--	--
2	TC-S	9	--	--	--	26	--	--
2	TC-S	11	--	--	--	28	--	--
2	TC-SEL	11	25	--	--	--	--	--
1	TC-D	13	--	--	--	17	--	--
2	TC-D	13	--	--	--	34	--	--
1	TC-D	18	--	--	--	24	--	--
2	TC-D	18	--	--	--	48	--	--
1	TC-D	26	--	--	--	34	--	--
2	TC-D	26	--	--	--	68	--	--
1	TC-DEL	13	16	--	--	--	--	--
2	TC-DEL	13	25	--	--	--	--	--
1	TC-DEL	18	20	20	20	--	--	--
2	TC-DEL	18	36	--	--	--	--	--
1	TC-DEL	26	28	28	28	--	--	--
2	TC-DEL	26	52	--	51	--	--	--
1	TC-T	26	--	--	--	34	--	--
1	TC-TEL	13	16	--	--	--	--	--
2	TC-TEL	13	25	--	--	--	--	--
1	TC-TEL	18	20	20	20	--	--	--
1	TC-TEL	26	27-28	28	28	--	--	--
2	TC-TEL	28	52-54	53	53-56	--	--	--
3	TC-TEL	26	80	--	--	--	--	--
1	TC-TEL	32	35	36	35-36	--	--	--
2	TC-TEL	32	66-70	72	72	--	--	--
3	TC-TEL	32	180	--	--	--	--	--
1	TC-TEL	42	46	46	46	--	--	--
2	TC-TEL	42	90-93	91	91-93	--	--	--
3	TC-TEL	42	138	--	--	--	--	--
1	TC-TEU	18	20	20	20	--	--	--
2	TC-TEU	18	36	37	37	--	--	--
1	TC-TEU	26	27-28	28	28	--	--	--
2	TC-TEU	26	52-54	53	53-56	--	--	--
1	TC-TEU	32	35	36	35	--	--	--
2	TC-TEU	32	66-70	72	72	--	--	--
1	TC-TEU	42	46	46	46	--	--	--
2	TC-TEU	42	90-93	91	91-93	--	--	--
1	TC-TEU	57	62	--	--	--	--	--
1	TC-TEU	60	63	--	--	--	--	--
1	TC-TEU	85	92	--	--	--	--	--
1	TC-TEU	120	133	--	--	--	--	--
1	TC-L	18	20	18	18	30	--	--
2	TC-L	18	38	37	37	46	--	--
2	TC-L	24	52-54	50	50	60-70	--	--
1	TC-L	36	39	36	36	--	--	--
1	TC-L	40	45	42	42	--	--	--
1	TC-L	55	61	59	56-59	--	--	--
2	TC-L	55	121	115	111-115	--	--	--
3	TC-L	55	182	--	167	--	--	--
4	TC-L	55	242	--	222	--	--	--
2	TC-L	80	176	169	169	--	--	--
3	TC-L	80	183	--	--	--	--	--
4	TC-L	80	352	--	--	--	--	--
1	T16-R	40	44-45	45	45	--	--	--
1	T16-R	55	60	60	60-62	--	--	--

Lamps	ZVEI	Lamp rating in [Watt]	Power consumption in [Watt] with					
			nominal	ECG	ECG DALI	ECG dimmable (1...10V)	LLCG	CCG
1	TC-OD	16	--	--	--	24	--	--
1	HSE	70	--	--	--	--	96	--
1	HSE	100	--	--	--	--	115	--
1	HSE	150	--	--	--	--	170	--
1	HSE	250	--	--	--	--	275	--
1	HSE	400	--	--	--	--	460-470	--
1	HSE	1000	--	--	--	--	1065	--
1	HSE-CE	70	--	--	--	--	85	--
1	HSE-CE	150	--	--	--	--	167	--
1	HSE-CE	250	--	--	--	--	289	--
1	HSE-CE	400	--	--	--	--	448	--
1	HIT-TC-CE	20	25	--	--	--	--	--
1	HIT-TC-CE	35	43	--	--	--	--	--
1	HIT-TC-CE	70	80	--	--	--	88	--
1	HIT-CE	35	43-48	--	--	--	50	--
1	HIT-CE	70	80-88	--	--	--	80-92	--
1	HIT-CE	100	--	--	--	--	114	--
1	HIT-CE	150	163	--	--	163	167-187	--
1	HIT-CE	250	--	--	--	--	270	--
1	HIT	70	--	--	--	--	91	--
1	HIT	150	--	--	--	--	170	--
1	HIT	250	--	--	--	--	275	--
2	HIT	250	--	--	--	--	550	--
1	HIT	400	--	--	--	--	460-470	--
2	HIT	400	--	--	--	--	920-940	--
1	HIT	1000	--	--	--	--	1065	--
1	HIT-DE	70	--	--	--	--	94-95	--
1	HIT-DE	150	--	--	--	--	170	--
1	HIT-DE	250	--	--	--	--	275	--
1	HIT-DE	400	--	--	--	--	440	--
1	HIT-DE	1000	--	--	--	--	1065	--
2	HIT-DE	1000	--	--	--	--	2130	--
3	HIT-DE	1000	--	--	--	--	3195	--
1	HIT-DE	2000	--	--	--	--	2030	--
1	HIT-DE Longarc	2000	--	--	--	--	2030	--
1	HANE	50	--	--	--	--	59	--
2	HANE	50	--	--	--	--	118	--
1	HANE	80	--	--	--	--	89	--
2	HANE	80	--	--	--	--	178	--
6	HANE	80	--	--	--	--	534	--
1	HANE	125	--	--	--	--	137	--
2	HANE	125	--	--	--	--	274	--
6	HANE	125	--	--	--	--	822	--
1	HANE	250	--	--	--	--	265	--
4	HANE	250	--	--	--	--	1064	--
1	HANE	400	--	--	--	--	425	--
1	HANE	1000	--	--	--	--	1045	--
1	HSE	50	--	--	--	--	62	--
2	HSE	50	--	--	--	--	124	--
6	HSE	50	--	--	--	--	372	--
1	HSE	70	--	--	--	--	83	--
2	HSE	70	--	--	--	--	166	--
6	HSE	70	--	--	--	--	498	--
1	HSE	100	--	--	--	--	115	--
2	HSE	100	--	--	--	--	230	--
1	HSE	150	--	--	--	--	170-176	--
2	HSE	150	--	--	--	--	340	--
4	HSE	150	--	--	--	--	704	--
6	HSE	150	--	--	--	--	1056	--
1	HSE	250	--	--	--	--	275-285	--
9	HSE	250	--	--	--	--	1710	--
1	HSE	400	--	--	--	--	440	--
1	HSE	1000	--	--	--	--	1075	--
1	HST	50	--	--	--	--	66	--
2	HST	50	--	--	--	--	134	--
1	HST	70	--	--	--	--	83	--
2	HST	70	--	--	--	--	166	--
1	HST	100	--	--	--	--	115	--
2	HST	100	--	--	--	--	230	--
1	HST	150	--	--	--	--	170-176	--
2	HST	150	--	--	--	--	340-352	--
6	HST	150	--	--	--	--	1056	--
1	HST	250	--	--	--	--	285	--
2	HST	250	--	--	--	--	570	--
6	HST	250	--	--	--	--	1710	--
1	HST	400	--	--	--	--	440	--
2	HST	400	--	--	--	--	880	--
6	HST	400	--	--	--	--	2700	--
1	HST	1000	--	--	--	--	1075	--
1	HST-DE	70	83	--	--	--	83	--
1	HST-DE	150	--	--	--	--	170	--
1	HST-DE	250	--	--	--	--	275-285	--
1	HST-DE	400	--	--	--	--	440	--
1	HST-CRI	35	--	--	--	--	42	--
1	HST-CRI	50	69	--	--	--	69	--
1	HST-CRI	100	110	--	--	--	--	--
1	Q*12	75	--	--	--	--	--	79
1	Q*12	90	--	--	--	--	--	96

Please note: subject to alteration. The table is an indication for median power consumption of lamps in combination with ballasts. In most cases, specifications from ballast manufacturers have been implemented. Power consumption is among other factors dependent upon the interaction of lamps and ballasts as well as operating temperatures of these components. The power consumption of the installation can therefore deviate from specified values due to manufacturing tolerances of lamps and ballasts and also temperatures on-site. The lamp types A55, A65, A80, Q132, Q1-DE11/12, QPARS1 and TCR-TSE flat are operated without ballasts. Power consumption in these cases therefore corresponds to lamp wattage.

Order No.	Page	Order No.	Page	Order No.	Page	Order No.	Page
5AA 162	78	5LM 623	9	5LX 66B	22	5NJ 332	71
5AA 163	78	5LP 940	10	5LX 691	18	5NJ 351	71
5AA 164	78	5LR 112	32	5LX 700	45	5NJ 352	71
5AA 172	78	5LR 114	32	5LX 702	23	5NW 139	120
5AA 173	78	5LR 117	34	5LX 712	23	5NW 149	120
5AA 174	78	5LR 118	34	5LX 810	41	5NW 412	121
5AA 262	78	5LR 122	32	5LX 851	15	5NW 414	121
5AA 263	78	5LR 127	34	5LX 852	15	5NW 726	120
5AA 264	78	5LR 128	34	5LX 853	15	5NX 140	70, 71
5AA 272	78	5LR 134	32	5LX 857	15	5NX 150	70
5AA 273	78	5LR 357	47	5LX 861	19	5NX 160	70
5AA 274	78	5LR 367	47	5LX 866	19	5NX 266	88
5AA 322	79	5LR 377	47	5LX 87B	22, 23	5NX 267	88
5AA 356	79	5LR 411	33	5LX 87C	74	5NX 311	71
5AA 411	79	5LR 414	33	5LX 900	14, 22, 24	5NX 314	89
5AA 421	79	5LR 415	33	5LX 910	42	5NX 316	88
5AA 431	79	5LR 416	33	5LY 308	67	5NX 321	71
5AA 441	79	5LR 418	33	5MC 12B	12	5NX 341	71
5AA 510	78	5LR 425	33	5MC 22B	12	5NX 351	71
5AA 520	78	5LR 426	33	5MC 24B	12	5NX 541	70
5AA 532	78	5LR 434	33	5MC 254	12	5NX 551	70
5AA 610	78	5LR 444	33	5MJ 211	28	5NX 561	70
5AA 620	78	5LR 610	38	5MJ 222	28	5NX 722	116, 121
5EA 053	86	5LR 612	38	5MS 426	4	5NX 724	116
5EA 3CU	86	5LR 922	38	5MS 436	4	5NX 747	112
5LE 146	58	5LR 926	38	5NA 140	92	5NX 766	72
5LE 780	58	5LR 941	35	5NA 152	92	5NX 866	72
5LE 785	58	5LR 944	35	5NA 246	97, 98	5NX 900	82
5LE 980	53	5LR 946	39	5NA 247	97, 98	5NX 950	82
5LE 981	53	5LR 951	35, 36	5NA 263	95	5NX FR	70
5LE 983	53	5LR 953	35	5NA 264	95	5NX R	70
5LF 286	74	5LR 954	35	5NA 318	90	5NY 318	86
5LF 287	74	5LS 175	56	5NA 320	90	5NZ 508	36
5LF 614	26	5LS 176	56	5NA 392	102	5TK 588	106
5LF 619	26	5LS 215	67	5NA 393	102	5TK 589	106
5LF 62B	26	5LS 216	67	5NA 520	94	5TR 101	60
5LF 642	26	5LS 217	67	5NA 526	94	5TR 102	60
5LF 644	26	5LS 412	66	5NA 527	94	5TR 103	60
5LF 650	26	5LS 422	66	5NA 528	94	5TR 104	60
5LF 900	9, 10	5LS 440	66	5NA 557	104	5TR 161	60
5LF 913	9	5LS 442	66	5NA 558	104	5TR 162	60
5LJ 140	57, 58	5LS 443	66	5NA 559	104	5TR 163	60
5LJ 149	57	5LS 911	62	5NA 587	106	5TR 164	60
5LJ 170	57	5LX 100	68	5NA 588	106	5TR 301	60
5LJ 612	58	5LX 12B	22	5NA 589	106	5TR 361	60
5LJ 657	58	5LX 140	68	5NA 630	108	5TR 500	62
5LJ 900	53, 54	5LX 200	44, 45	5NA 631	108	5TR 501	61
5LJ 908	56, 58	5LX 216	67	5NA 650	108	5TR 561	61
5LJ 909	56, 58	5LX 300	45	5NA 717	114	5TR 562	61
5LJ 913	52	5LX 37B	23	5NA 726	116	5TR 564	61
5LJ 914	53	5LX 400	45	5NA 751	114	5TR 603	61
5LJ 933	52	5LX 41B	24	5NA 752	114	5TR 760	60
5LJ 934	53	5LX 41W	24	5NA 753	114	5TR 765	60
5LJ 935	52	5LX 500	46	5NA 756	116, 121	5TR 766	60
5LJ 968	56	5LX 510	46	5NA 757	112, 113	5TR 901	60, 62
5LJ 969	56	5LX 591	8	5NA 758	112, 113	5TR 905	62
5LM 375	27	5LX 592	9	5NA 759	112	5TR 906	62
5LM 511	8	5LX 600	46	5NA 813	126	5TR 909	60
5LM 512	8	5LX 661	14, 16, 20	5NA 854	126	5TR 961	60
5LM 521	9, 10	5LX 662	14, 20	5NA 900	82	5TR 969	60
5LM 522	9	5LX 663	14, 16	5NA 950	82	5XA D10	86
5LM 530	10	5LX 666	18	5NG 160	36		
5LM 540	10	5LX 667	14, 16, 20	5NJ 300	71		
5LM 593	9.1	5LX 668	16	5NJ 316	71		



Siteco's Technology and Design Centre offers scope for technology, know-how, dialogue and inspiration - the experience of light and transfer of knowledge under one roof. Be inspired by our lighting forum. Just speak to your sales representative. We can organise your personal training programme selected from our wide spectrum of training components, and can also organise the entire planning from arrival until departure.

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- Perception of light: basics of light perception
- Space, light, colour: basics of lighting technology
- Space, form and light: suggestions for creative lighting design
- Light and people: light as a biological factor

### Indoor lighting

- Trends and research in the area of office lighting
- Introduction to light planning of offices
- Planning criteria and planning tools for office lighting
- Realisation of practical lighting concepts
- Introduction to light planning of industrial facilities
- Introduction to light planning of sales facilities
- Design and all-purpose lighting with downlights
- ELDAICON®: instruments of modern office lighting
- Siteco Mirrortec®: introduction to lighting with secondary reflector systems
- The new DIN: explanations of standards and their consequences for lighting design
- Energy saving through the use of daylight
- Building energy bottleneck: consequences and chances
- Introduction to light management

### Outdoor lighting

- Light in public spaces
- Seeing and detecting, quality characteristics for outdoor lighting
- Fundamentals of streetlighting
- Light sources in outdoor lighting
- Lighting obligation on public roads
- Standards for outdoor lighting
- Electrical safety for public lighting

- Outdoor lighting trends
- Overview of the instruments for outdoor lighting. Streetlighting, architectural lighting, and sports lighting
- Planning of outdoor lighting systems
- Introduction to light planning of tunnels
- Outdoor lighting in application
- Innovative reflector technologies in outdoor lighting
- Lighting traffic roundabouts
- Lighting pedestrian crossings
- Energy-saving circuits for outdoor lighting
- Light management for outdoor lighting
- Simulation of streetlighting on the Lighting Test Road
- Light effect of decorative outdoor lights
- Refurbishment of lighting installations
- Avoidance of light immission
- Light and environmental protection

### "Experience safety and efficiency" ... This is the motto of our Lighting Test Road

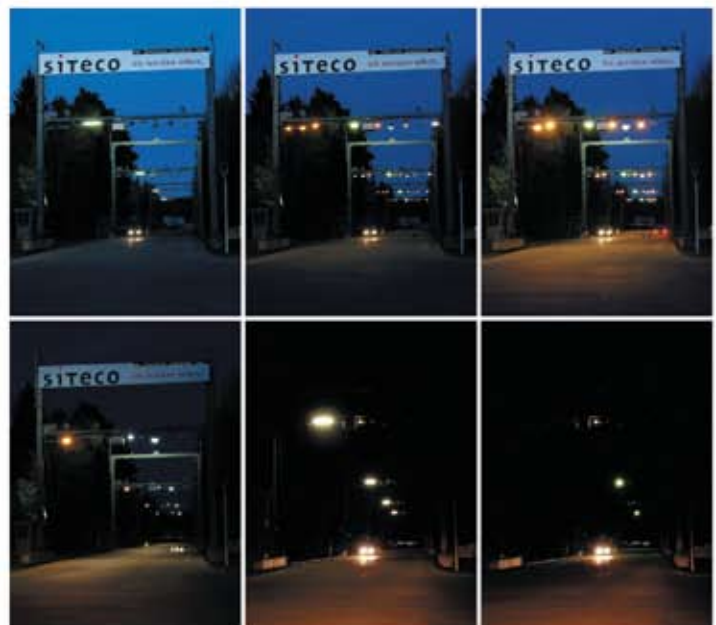
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With this unique facility we simulate the lighting of entire road sections in 1:1 scale.

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We use practical examples to show the advantages of well-illuminated traffic zones and inform you of the hazards posed by a lack of light on the road.

Moreover we provide you with opportunities to reduce CO<sub>2</sub> in public lighting installations, protect nocturnal insects and to avoid light immissions.



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