

Lighting Tools Interior

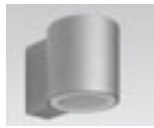
Chapter 10
Facade and path luminaires



Surface-mounted Luminaires



CL Ceiling 10
Page 10.6



CL Wall 10
Page 10.8



CL Linear Ceiling
Page 10.14



CL Linear Wall
Page 10.18

Spotlights and Projectors



CL Spotlight 10
LED
Page 10.22



CL Spotlight 10
Page 10.24



SiCOMPACT® S2
MINI LED-RGB
Page 10.30



SiCOMPACT®
R1 MINI-S
Page 10.34



SiCOMPACT®
R1 MINI-Alu
Page 10.34



SMW 400
Page 10.40



SiCOMPACT® A2
MINI | ... A2 MIDI
See Section 5



SiCOMPACT® A2
MINI | ... A2 MIDI
See Section 5

Recessed Luminaires



CW 91 wall
Page 10.42



CW 96 wall
Page 10.42

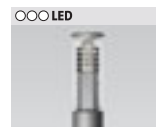


CB 90 ground
Page 10.46



CB 95 ground
Page 10.46

Bollards



CITY-LIGHT 120 LED
Page 10.56



CITY-LIGHT 120 E LED
Page 10.56



CL Bollard 30
Page 10.50



CL Bollard 60
Page 10.50



CL Bollard 90
Page 10.50



CL Bollard 120
Page 10.50



CITY-LIGHT 120
Page 10.70



CITY-LIGHT 120 E
Page 10.70

Pillars



CITY-LIGHT 260 LED
Page 10.56



CITY-LIGHT 260 E LED
Page 10.56



CITY-LIGHT 260 D LED
Page 10.56



CITY-LIGHT 260
Page 10.70






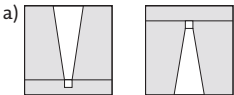
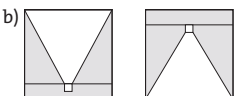

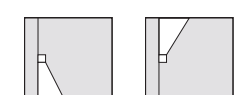
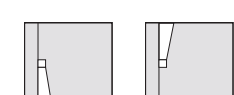
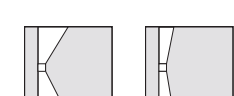


















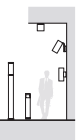
CITY-LIGHT 260 E
Page 10.70



CITY-LIGHT 260 D
Page 10.70



Surface-mounted and recessed Luminaires		Surface-mounted Luminaires				Spotlights	
							
		CL Ceiling 10	CL Wall 10	CL Linear Ceiling	CL Linear Wall	CL spotlight 10 LED CL spotlight 10	
		Page 10.8	Page 10.10	Page 10.16	Page 10.20	Page 10.24 10.28	
Installation location	Ceiling	■		■		■	
	Wall		■		■	■	
	Ground					■	
	Mast						
Mounting	Recessed						
	Surface-mounted	■	■	■	■	■	
Light distribution	a) 	■		■		■	
	b) 	■		■			
	c) 			■	■		
			■		■		
			■		■		
			■				
				■			
							
Light Source	 LED					■	
	 QPAR51 GU10	 QR-CBC 51 GU5.3	 QT-DE11/12 R7s	 A60 E27	1x 25W QPAR51 1x 35W QPAR51 1x 20 QR-CBC51	1x 35W QPAR51 1x 20/35W QR-CBC51	1x 50W QPAR51 1x 20W QR-CBC51
	 HIT-TC-CE PGJ5	 HIT-CE G12	 HIT G12	 HIT-DE RX7s	 HIT E40	1x 20W HIT-TC-CE	1x 20W HIT-TC-CE
 T16 G5	 TC-D G24d-1	 TC-T GX24d-3	 TC-DD GR8	1x 14/24W T16 1x 21/39W T16	1x 14/24W T16 1x 21/39W T16		



Projectors



SiCOMPACT®
S2 MINI LED
Page 10.32



SiCOMPACT®
R1 MINI-S
Page 10.36



SiCOMPACT®
R1 MINI-Alu
Page 10.36



SMW 400
Page 10.42

Recessed Luminaires



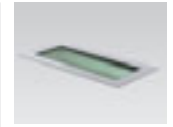
CW 91 wall
Page 10.44



CW 96 wall
Page 10.44



CB 90 ground
Page 10.48













CB 95 ground
Page 10.48

■	■	■		■	■	■	■
■	■	■ 1)	■	■	■		
■	■ 1)	■ 1)				■	■
■	■ 1)	■ 1)					
				■	■	■	■
■	■	■					
	■	■	■			■ a)	
■	■	■	■			■ b)	■ b)
							■ c)
■ 45W							
				1x 60W A60 E27	1x 60W QT-DE R7s		
	1x 35/70W HIT-CE	1x 70/150W HIT-CE	1x 250/400W HIT			1x 35/70/150W HIT G12	1x 70/150W HIT-DE/H5T-DE
				1x 13W TC-D G24d-1 1x 26W TC-T G24d-3 1x 16W TC-DD GR8	1x 13W TC-T G24d-1	1x 26W TC-T G24d-3	

1) with accessories

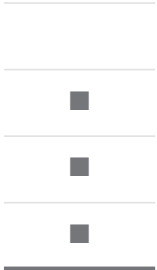


		Bollards and Pillars				
						
		CL Bollard	CITY-LIGHT 120 LED CITY-LIGHT 120	CITY-LIGHT 120 E LED CITY-LIGHT 120 E	CITY-LIGHT 260 LED CITY-LIGHT 260	CITY-LIGHT 260 E LED CITY-LIGHT 260 E
		Page 10.50	Page 10.56 10.70	Page 10.56 10.70	Page 10.56 10.70	Page 10.56 10.70
Light distribution	on one side	■				
	on two sides	■				
	all-round		■	■	■	■
	asymmetric		■	■	■	■
	symmetric		■	■	■	■
Light Source	 LED		1x LED MODULE 520	1x LED MODULE 520	1x LED MODULE 520	1x LED MODULE 520
	 HIT-TC-CE PGJ5  HSE E27	1x 20W HIT-TC-CE PGJ5	1x 50/70W HSE E27	1x 50/70W HSE E27	1x 50/70W HSE E27	1x 50/70W HSE E27
	 TC-DEL G24q-2  TC-LEL 2G11	1x 18W TC-DEL G24q-2 1x 24W TC-LEL 2G11	2x 18/24W TC-LEL 2G11	2x 18/24W TC-LEL 2G11	2x 18/24W TC-LEL 2G11	2x 18/24W TC-LEL 2G11





CITY-LIGHT 260 D LED
CITY-LIGHT 260 D
Page 10.56 | 10.70



1x LED MODULE 520

1x 50/70W
HSE E27

2x 18/24W
TC-LEL 2G11



CL Ceiling

CL Decke 10 MINI | ... MIDI are an integral component of the facade and path luminaires of the CL series. The surface-mounted ceiling luminaires are in terms of construction design reduced to a minimum with a high level of workmanship: their housings are completely of metal, and gaskets and cover glasses are flushly fitted without joints to the housing. This results in a closed, homogenous overall impression. For the two height variations, differing lamps and accessories for various lighting tasks are available.

- + housing design protects sealing and glass edges
- + air-permeable membrane for compensating climatic fluctuations in luminaire inner
- + various light distribution patterns via optical accessory glasses
- + lamella structure in housing for improved thermal characteristics and long service life
- + defined drip edge on luminaire protects against soiling marks



Housing

Robust luminaire housing of extruded aluminium with compact dimensions, housing surface with weather-resistant powder-coating in Siteco® metallic grey (DB 7025) | protection of glass edge with housing design | cover of toughened safety glass, fixed without visible screws | air-permeable membrane for pressure equalisation and reduction of humidity

Insulation class: I | protection rating: IP65

Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry suitable for 2 cables D= 8.5...12mm; for through-wiring 3x max. 1.5mm² | version for low voltage tungsten halogen lamp: with electronic transformer

Lighting technology

Downlight without reflector, light distribution is defined via lamps with integrated reflector (various light distribution characteristics from lamps with differing reflectors); ellipsoid light distribution characteristic via supplementary filter disc, colour accenting possible via dichroic colour filters



product
design
award

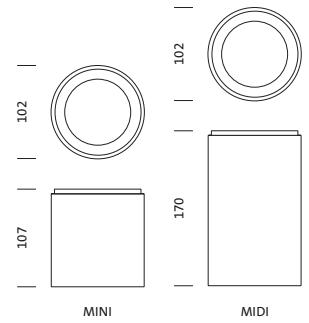
2008 ■





CL Ceiling 10 MINI | ... MIDI

CL Ceiling 10 MINI / ... MIDI downlight for ceiling surface-mounting | various light distribution patterns via lamps with integrated reflector; luminaire with transparent cover; elliptical light distribution and colour accenting via additional filter discs | for equipping with high voltage tungsten halogen lamp, or CL Ceiling 10 MIDI with electronic transformer for equipping with low voltage tungsten halogen lamp | housing of aluminium, powder-coated in Sitecto® metallic grey (DB 7025); cover of toughened safety glass, flush fits to housing



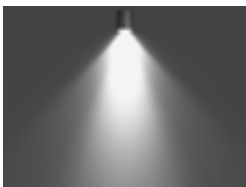
Protection rating: IP65
Insulation class: I



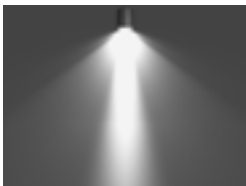
Lamps	Socket	Wt. (kg)	Order No.
CL CEILING 10 MINI			
1x QPAR51 25W	GU10	1.1	5AA61000M
CL CEILING 10 MIDI			
1x QR-CBC51 20W	GU5.3	1.6	5AA62090E
1x QPAR51 35W	GU10	1.6	5AA62000M

- reflector is part of lamp; please order lamps separately
- recommended lamps with version for QR-CBC51: Osram DECOSTAR® 51 ENERGY SAVER
- please order colour filters or ribbed disc separately if required

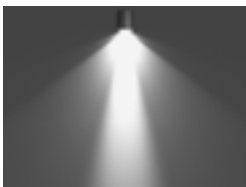
Volume light



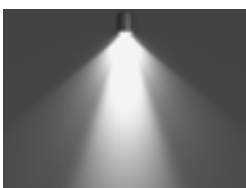
5AA6100M
1 x QPAR51 25W



5AA62090E
1 x QR-CBC51/IRC 20W 10°



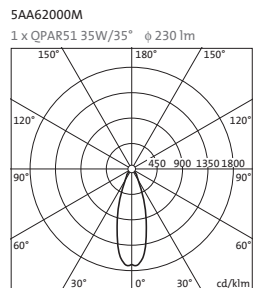
5AA62090E
1 x QR-CBC51/IRC 20W 24°



5AA62090E
1 x QR-CBC51/IRC 20W 36°

Accessories (for details see page 10.29)

Article	Wt. (kg)	Order No.
ribbed glas	0.1	5AA35601X
colour filter, dichroic, red	0.1	5AA35603X
colour filter, dichroic, yellow	0.1	5AA35604X
colour filter, dichroic, green	0.1	5AA35605X
colour filter, dichroic, blue	0.1	5AA35606X
colour filter, red	0.1	5AA35607X
colour filter, yellow	0.1	5AA35608X
colour filter, green	0.1	5AA35609X
colour filter, blue	0.1	5AA35610X



H(m)	ø(m)	Emax(lx)	Em(lx)
1	0.61	393	309
2	1.22	98	77
3	1.83	44	34
4	2.45	25	19
5	3.06	16	12



CL Wall

CL Wand 10 MINI | ... MIDI | ... MAXI are an integral component of facade and path luminaires of the CL series. The wall surface-mounted luminaires are in terms of construction design reduced to a minimum with a high level of workmanship: their housings are completely of metal, and gaskets and cover glasses are flushly fitted without joints to the housing. This results in a closed, homogenous overall impression. For the three height variations, differing lamps and accessories for various lighting tasks are available.

- + housing design protects the sealing and glass edge against direct environmental influences
- + defined drip edge on luminaire protects against soiling of wall
- + air-permeable membrane for compensating climatic fluctuations in luminaire inner
- + various light distribution patterns via optical accessory glasses for all lamping variations
- + no disturbance of light emission from screws
- + mounting of luminaire with only one screw, fixing with intelligent spring catch system
- + wall mount is rotatable through 180°, adapting to cable routing; no danger of accidental drilling of cable on house side



Housing

Robust, two-part luminaire housing of extruded aluminium with compact dimensions, housing surface with weather-resistant powder-coating in Siteco metallic grey (DB 7025) | protection of glass edge due to housing design | cover of toughened safety glass, fixed without visible screws | air-permeable membrane for pressure equalisation and reduction of humidity
Insulation class: I | protection rating: IP65

Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry suitable for 2 cables D= 8.5...12mm; through-wiring with sheathed cable 3x max. 1.5mm² | for accommodation of on-site cable routing: wall mount can be rotated through 180° | version for low voltage tungsten halogen lamp: with electronic transformer; version for metal halide lamp: with ECG

Lighting technology

Luminaire as downlight, uplight or two-sided light emission | versions with light emission on both sides without reflector, light distribution is defined via lamps with integrated reflector (various light distribution characteristics from lamps with differing reflectors); ellipsoid light distribution characteristic via supplementary filter disc, colour accenting possible via dichroic colour filters



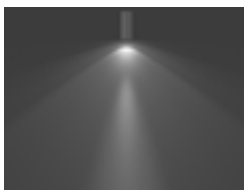
product
design
award

2008 ■

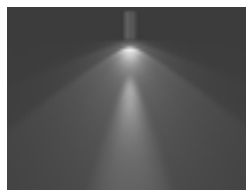


A wide variety of beam angles and lamp configurations enables high flexibility for designing.

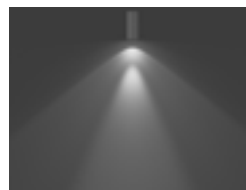
QR-CBC
S1
GU5.3



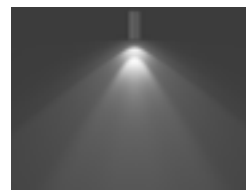
10°



24°

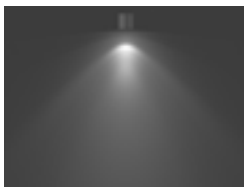


36°



60°

QPAR51
GU10



35°

HIT-TC-CE
PGJ5



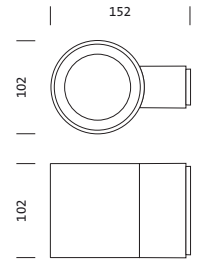
10°





CL Wall 10 MINI

CL Wall 10 MINI uplight or downlight for wall surface-mounting | light emission above or below; various light distribution patterns via lamps with integrated reflector; luminaire with transparent cover; elliptical light distribution and colour accenting via additional filter discs | for equipping with high voltage tungsten halogen lamp | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing



Protection rating: IP65
Insulation class: I

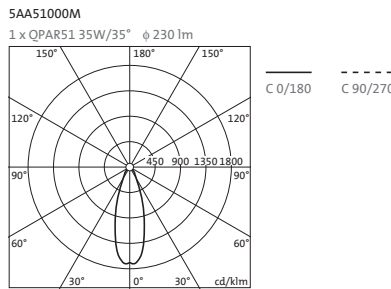
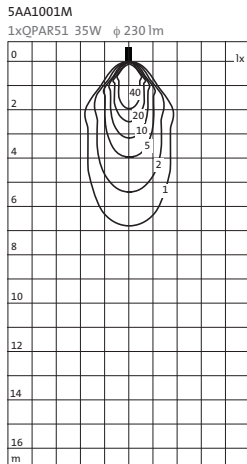


Lamps	Socket	Wt. (kg)	Order No.
Light emission above			
1x QPAR51 35W	GU10	1.8	5AA51001M
Light emission below			
1x QPAR51 35W	GU10	1.8	5AA51000M

- reflector is part of lamp; please order lamps separately
- please order colour filters or ribbed disc separately if required

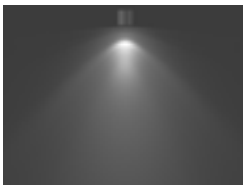
Accessories (for details see page 10.29)

Article	Wt. (kg)	Order No.
ribbed glas	0.1	5AA35601X
colour filter, dichroic, red	0.1	5AA35603X
colour filter, dichroic, yellow	0.1	5AA35604X
colour filter, dichroic, green	0.1	5AA35605X
colour filter, dichroic, blue	0.1	5AA35606X
colour filter, red	0.1	5AA35607X
colour filter, yellow	0.1	5AA35608X
colour filter, green	0.1	5AA35609X
colour filter, blue	0.1	5AA35610X



H(m)	φ(m)	E _{max} (lx)	E _m (lx)
1	0.61	393	309
2	1.22	98	77
3	1.83	44	34
4	2.45	25	19
5	3.06	16	12

Distance luminaire – wall 1.00 mm

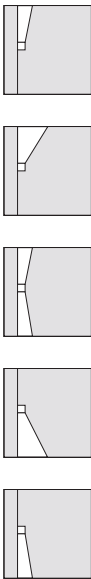
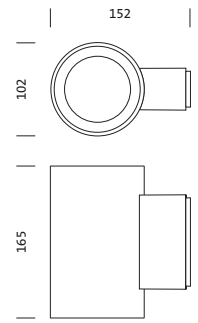




CL Wall 10 MIDI

CL Wall 10 MIDI up- or downlight (also on both sides) for wall surface-mounting | variable accessories for different optical requirements | for equipping with 230V or 12V tungsten halogen lamp (with electronic transformer) | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing

Protection rating: IP65
Insulation class: I

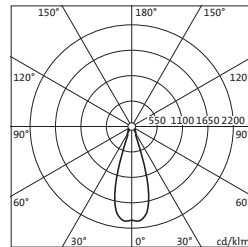


Lamps	Socket	Wt. (kg)	Order No.
Light emission above			
1x QR-CBC51 20/35W	GU5.3	2.3	5AA52091E
Light emission above, below			
2x QPAR51 35W	GU10	2.5	5AA52002M
Light emission below			
1x QR-CBC51 20/35W	GU5.3	2.3	5AA52090E

- reflector is part of lamp; please order lamps separately
- recommended lamps with version for QR-CBC51: Osram DECOSTAR® 51 ECO
- please order colour filters or ribbed disc separately if required

Accessories (see previous page for ribbed disc and colour filter | for details see page 10.29)

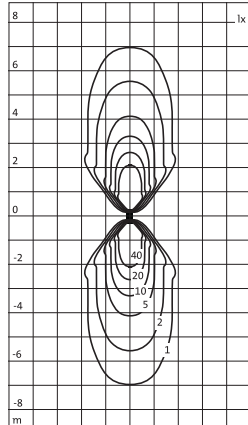
5AA52090E
1 x QR-CBC51 35W/36° IRC 12V ϕ 1137
lm



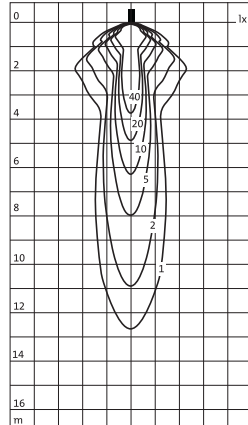
C 0/180 C 90/270

H(m)	ϕ (m)	E _{max} (lx)	E _m (lx)
1	0.62	2317	1939
2	1.23	579	485
3	1.85	257	215
4	2.46	145	121
5	3.08	93	78

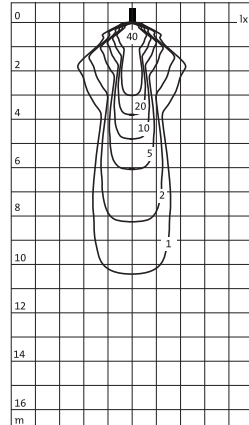
5AA52002M
2xQPAR51 35W



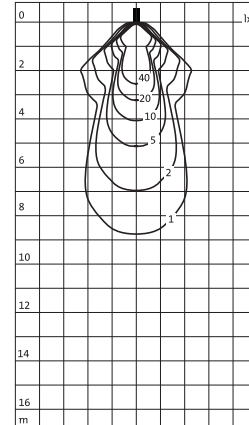
5AA52090E
1xQR-CBC51/IRC 20W 10°



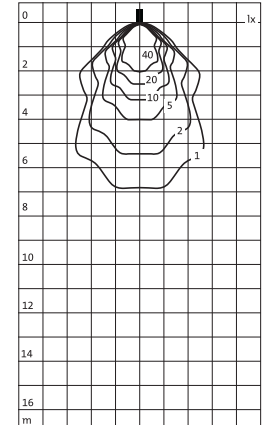
5AA52090E
1xQR-CBC51/IRC 20W 24°



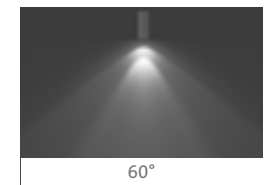
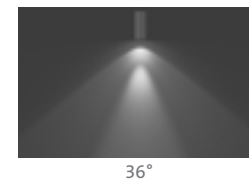
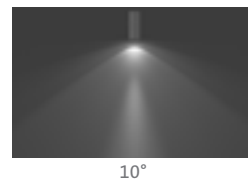
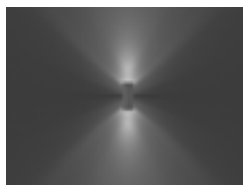
5AA52090E
1xQR-CBC51/IRC 20W 36°



5AA52090E
1xQR-CBC51/IRC 20W 60°



Distance luminaire – wall 100 mm

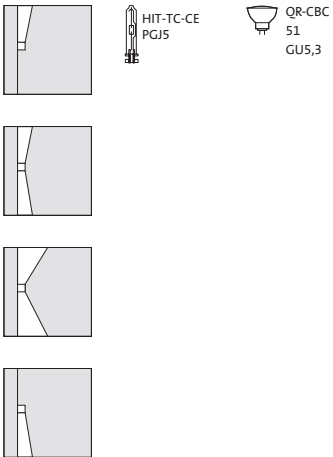
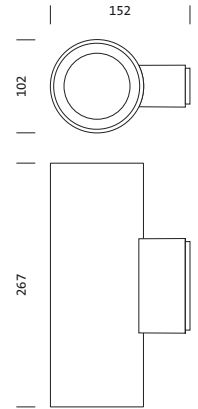




CL Wall 10 MAXI

CL Wall 10 MAXI up- or downlight (also on both sides) for wall surface-mounting | variable accessories for different optical requirements | for equipping with metal-halide halogen lamp (with ECG) or 12V tungsten halogen lamp (with electronic transformer) | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing

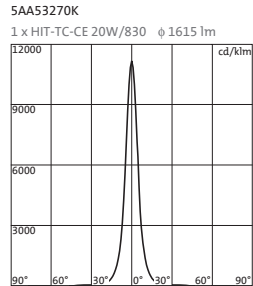
Protection rating: IP65
Insulation class: I



Lamps	Socket	Wt. (kg)	Order No.
Light emission above			
1x HIT-TC-CE 20W	PGJ5	3.4	5AA53271K
Light emission above, below			
2x QR-CBC51 20W	GU5.3	3.4	5AA53092E
Light emission below			
1x HIT-TC-CE 20W	PGJ5	3.4	5AA53270K

- with version for low voltage tungsten halogen lamp (QR-CBC51): reflector is part of lamp; please order lamps separately
Recommended lamps: Osram DECOSTAR® 51 ECO
- please order colour filters or ribbed disc separately if required

Accessories (see last but one page for ribbed disc and colour filter | for details see page 10.29)

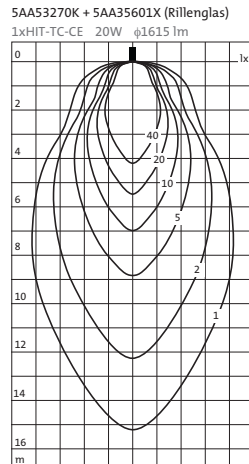
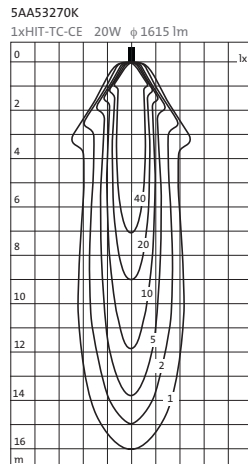


l_{max} 11162 cd/klm at γ 0°

	—	- - - -
C 0/180	C 90/270	
α 50%	2 x 5.0°	2 x 5.0°
α 10%	2 x 10.8°	2 x 10.8°

H(m)	ϕ (m)	$E_{max}(lx)$	$E_m(lx)$
1	0.17	18027	14410
2	0.35	4507	3603
3	0.52	2003	1601
4	0.70	1127	901
5	0.87	721	576

Modification of round to ellipsoid light beam with use of ribbed disc (optional accessory)



Distance luminaire – wall 100 mm





CL Linear Ceiling

The CL Linear 60 and CL Linear 90 linear systems are an integral component of facade and path luminaires of the CL series. The system for wall and ceiling surface-mounting each consists of one functional support and a luminaire head of the same dimensions and form. Both components fit together perfectly to create a closed unit fixed by a robust but easy-to-operate spring catch system. Joints have become an element of design that purposefully break up the smooth surfaces to give the luminaires a unique character.

The striking housing is constructed completely of metal, and gaskets and cover glass are flushly fitted to the housing. This results in a closed, homogenous overall impression. Light distribution patterns can be controlled via the combination of reflector and optics. In this way, narrow, wide or asymmetrical beam distribution can be created.



Housing

Robust luminaire housing of extruded aluminium with compact dimensions, housing surface with weather-resistant powder-coating in Siteco® metallic grey (DB 7025) | protection of glass edge with housing design | cover of toughened safety glass, fixed without visible screws; inner Fresnel optics of PMMA | air-permeable membrane for pressure equalisation and reduction of humidity
Insulation class: I | protection rating: IP65

Electrics

Luminaires wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry for cables D= 8.5...12mm | with Multiwatt ECC

Lighting technology

Aluminium reflector in combination with Fresnel PMMA cover for narrow, wide or asymmetric light distribution | homogeneous light emission undisturbed by screws for example



product
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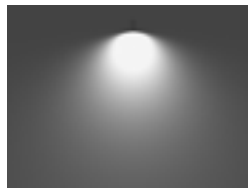
- + very slender, linear fluorescent lamp system
- + direct mounting to wall or ceiling
- + Siteco® adjustment module for compensation of wall unevenness
- + sealing protection prevents direct environmental influences (ceiling luminaire) due to housing design
- + no disturbing light emission apertures for precise light distribution
- + aluminium reflector in combination with Fresnel PMMA cover
- + tool-free opening of luminaire with click system; intelligent combination of closure and fixing mechanism

Volume light

Three various light distribution patterns offer lighting solutions for a wide spectrum of lighting tasks



narrow

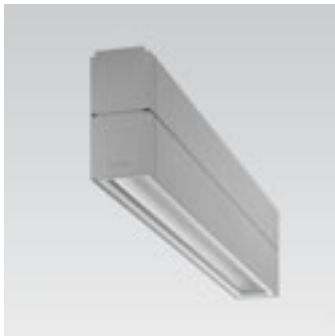


wide



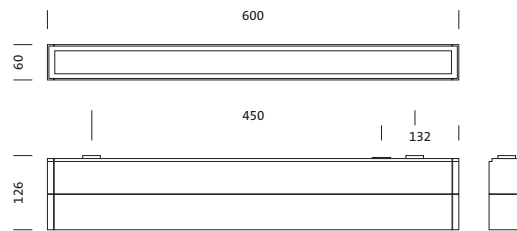
asymmetric





CL Linear 60 Ceiling

CL Linear 60 for ceiling surface-mounting | highly precise interplay of reflector and Fresnel optics creates narrow, wide or asymmetric light distribution | with ECG Multiwatt for T16 lamps | housing of aluminium, consisting of functional support and luminaire head, fixed by an intelligent catch system; housing powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing



T16
G5

Protection rating: IP65

Insulation class: I

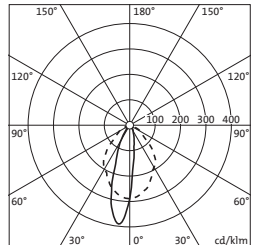
- luminaire prepared for continuous row arrangements



Lamps	Socket	Wt. (kg)	ECG Multiwatt Order No.
asymmetric distribution			
1x T16 14/24W	G5	4.6	5AA16470B
symmetric narrow distribution			
1x T16 14/24W	G5	4.6	5AA16270B
symmetric wide distribution			
1x T16 14/24W	G5	4.6	5AA16370B

5AA16470B

1 x T16 24W/840 ϕ 1750 lm



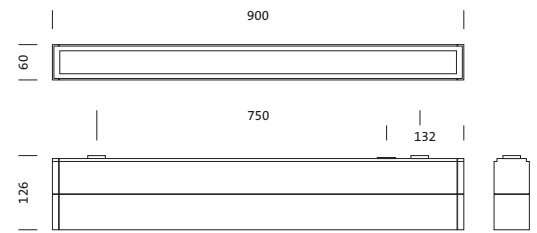
I_{max} 391 cd/klm at $\gamma 8^\circ$
 — C 0/180
 - - - C 90/270





CL Linear 90 Ceiling

CL Linear 90 for ceiling surface-mounting | highly precise interplay of reflector and Fresnel optics creates narrow, wide or asymmetric light distribution | with ECG Multiwatt for T16 lamps | housing of aluminium, consisting of functional support and luminaire head, fixed by an intelligent catch system; housing powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing



Protection rating: IP65

Insulation class: I

- luminaire prepared for continuous row arrangements



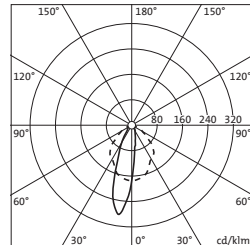
T16
G5



Lamps	Socket	Wt. (kg)	ECG Multiwatt Order No.
asymmetric distribution			
1x T16 21/39W	G5	6.5	5AA17470V
symmetric narrow distribution			
1x T16 21/39W	G5	6.8	5AA17270V
symmetric wide distribution			
1x T16 21/39W	G5	6.5	5AA17370V

5AA17470V

1 x T16 39W/840 φ 3100 lm



l_{max} 283 cd/klm at $\gamma 8^\circ$

— C 0/180 - - - C 90/270



CL Linear Wall

The CL Linear 60 and CL Linear 90 linear systems are an integral component of facade and path luminaires of the CL series. The system for wall and ceiling surface-mounting each consists of one functional support and a luminaire head of the same dimensions and form. Both components fit together perfectly to create a closed unit fixed by a robust but easy-to-operate spring catch system. Joints have become an element of design that purposefully break up the smooth surfaces to give the luminaire a unique character.

The striking housing is constructed completely of metal, and gaskets and cover glass are flushly fitted to the housing. This results in a closed, homogenous overall impression. Light distribution patterns can be controlled via the combination of reflector and optics. In this way, narrow, wide or asymmetric beam distribution can be created.



Housing

Robust luminaire housing of extruded aluminium with compact dimensions, housing surface with weather-resistant powder-coating in Siteco® metallic grey (DB 7025) | protection of glass edge with housing design | cover of toughened safety glass, fixed without visible screws; inner Fresnel optics of PMMA | Siteco® adjustment module for compensation of wall unevenness | air-permeable membrane for pressure equalisation and reduction of humidity

Insulation class: I | protection rating: IP65

Electrics

Luminaires wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry for cables D= 8.5...12mm; prepared for through-wiring | with Multiwatt ECG

Lighting technology

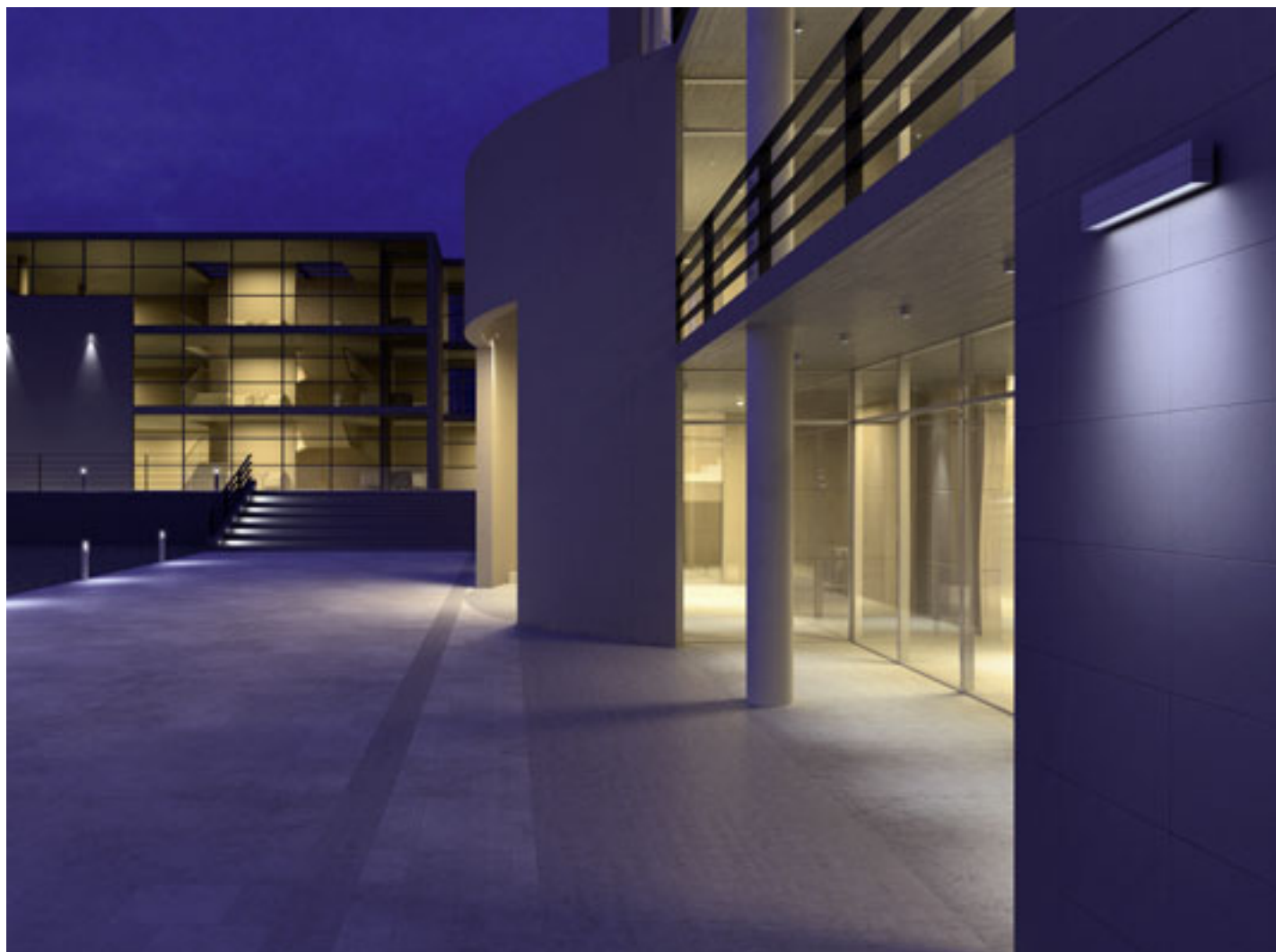
Aluminium reflector in combination with Fresnel PMMA cover for narrow, wide or asymmetric light distribution | no visible screws on glass panel | homogeneous light emission undisturbed by screws | surface-mounted wall luminaire as uplight or downlight



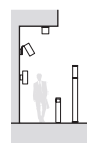
product
design
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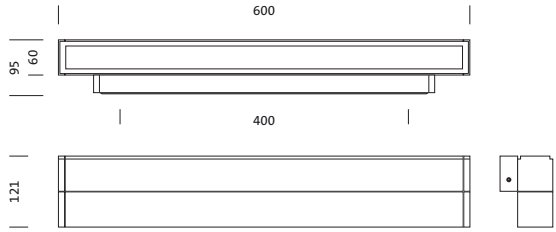
- + very slender, linear fluorescent lamp system
- + direct mounting to wall and ceiling
- + Siteco® adjustment module for compensation of wall unevenness
- + no disturbing light emission apertures for precise light distribution
- + aluminium reflector in combination with Fresnel PMMA cover
- + tool-free opening of luminaire with click system; intelligent combination of closure and fixing mechanism





CL Linear 60 Wall

CL Linear 60 uplight or downlight for wall surface-mounting | light emission above or below; the highly precise interplay of reflector and Fresnel optics creates narrow, wide or asymmetric light distribution | with ECG Multiwatt for T16 lamps | housing consists of functional support, luminaire head and wall mount module of aluminium, powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing; luminaire head fixed to housing via intelligent spring catch system; wall connection with Siteco® adjustment module for compensation of wall unevenness



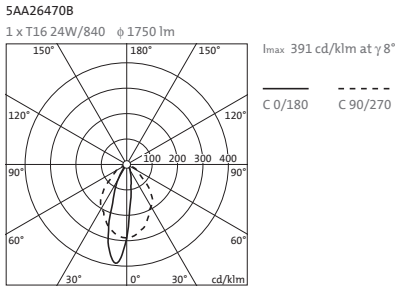
Protection rating: IP65

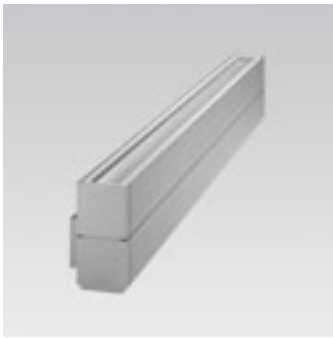
Insulation class: I

- luminaire prepared for continuous row arrangements and through wiring



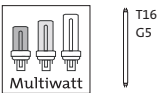
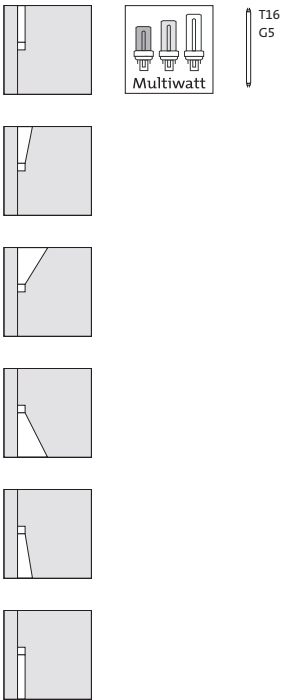
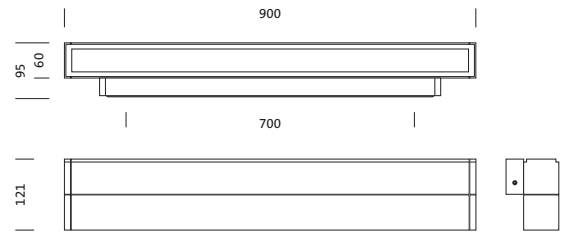
Lamps	Socket		Wt. (kg)	ECG Multiwatt Order No.
Light emission above				
1x T16 14/24W	G5	asymmetric distribution	5.9	5AA26471B
1x T16 14/24W	G5	symmetric narrow distribution	5.9	5AA26271B
1x T16 14/24W	G5	symmetric wide distribution	5.9	5AA26371B
Light emission below				
1x T16 14/24W	G5	asymmetric distribution	5.9	5AA26470B
1x T16 14/24W	G5	symmetric narrow distribution	5.9	5AA26270B
1x T16 14/24W	G5	symmetric wide distribution	5.9	5AA26370B





CL Linear 90 Wall

CL Linear 90 uplight or downlight for wall surface-mounting | light emission above or below; the highly precise interplay of reflector and Fresnel optics creates narrow, wide or asymmetric light distribution | with ECG Multiwatt for T16 lamps | housing consists of functional support, luminaire head and wall mount module of aluminium, powder-coated in Siteco® metallic grey (DB 702S); cover of toughened safety glass, flush fits to housing; luminaire head fixed to housing via intelligent spring catch system; wall connection with Siteco® adjustment module for compensation of wall unevenness



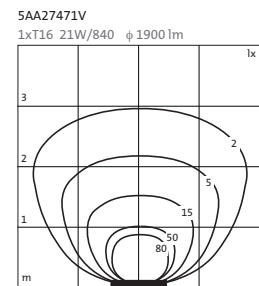
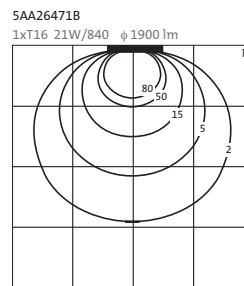
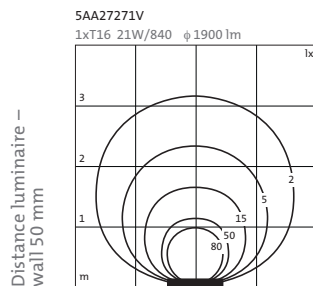
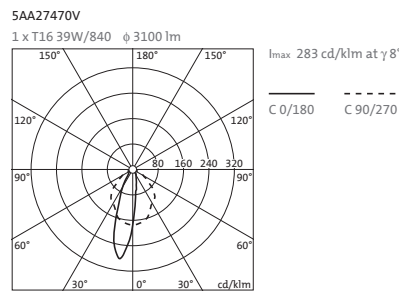
Protection rating: IP65

Insulation class: I

- luminaire prepared for continuous row arrangements and through wiring



Lamps	Socket		Wt. (kg)	ECG Multiwatt Order No.
Light emission above				
1x T16 21/39W	G5	asymmetric distribution	7.9	5AA27471V
1x T16 21/39W	G5	symmetric narrow distribution	7.9	5AA27271V
1x T16 21/39W	G5	symmetric wide distribution	7.9	5AA27371V
Light emission below				
1x T16 21/39W	G5	asymmetric distribution	7.9	5AA27470V
1x T16 21/39W	G5	symmetric narrow distribution	7.9	5AA27270V
1x T16 21/39W	G5	symmetric wide distribution	7.9	5AA27370V



CL Spotlight 10 LED

The CL Spotlight 10 LED is an integral component of facade and path luminaires of the CL series. It can be deployed as a ground, wall or ceiling spot.

The luminaire is in terms of construction design reduced to a minimum with a high level of workmanship: the housing is completely of metal, and gaskets and cover glasses are flushly fitted without joints to the housing. This results in a closed, homogenous overall impression.

With the LED version an LED module is integrated, especially developed by Siteco for this purpose. The optical system of the spotlight consists of High Power LEDs, optic, shield and a lens system. This both compact and innovative combination creates a clearly defined, narrow beam light distribution that opens the way for completely new creative possibilities.

- + CL Spotlight LED with energy-efficient LED technology
- + adjustment of rotation and tilt via patented Siteco® system
- + air-permeable membrane for compensating climatic fluctuations in luminaire inner
- + simple accessory cover configuration without tools
- + integrated cable routing for improved protection against external influences
- + sealing protection prevents direct environmental influences (UV/driving rain) and protection of glass edge due to housing design
- + optical separation of light emission and gear tray compartment
- + lamella structure in housing for improved thermal characteristics and long service life



Housing

Robust luminaire housing of extruded aluminium with compact dimensions, housing surface with weather-resistant powder-coating in Siteco® metallic grey (DB 7025) | protection of glass edge with housing design | cover of toughened safety glass, fixed without visible screws; | ground stake of diecast aluminium | air-permeable membrane for pressure equalisation and reduction of humidity
Insulation class: I | protection rating: IP65

Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry suitable for 2 cables D= 8.5...12mm; for through-wiring 3x max. 1.5mm² | version with ground stake with pre-

installed connection cable, l= 5m | cable routing from base to luminaire head within the pivotable arm | with LED operating electronics

Lighting technology

Special optical system with high power LED, neutral white, rotationally symmetrical narrow distribution; with transparent cover; luminaire can be rotated through 180°, luminaire head pivotable through 90°; ellipsoid light distribution characteristic via supplementary filter disc



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Versions for conventional lamps
are on Page 10.28







CL Spotlight 10 LED

CL Spotlight 10 LED for ground, wall and ceiling mounting | with white LED with lens, rotationally symmetric narrow distribution; with transparent cover; elliptical light distribution via supplementary filter disc | LED operating electronics integrated in housing | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S), can be rotated through 180° and tilted through 90° via patented fixing system; cover of toughened safety glass, flush fits to housing



LED



Protection rating: IP65
Insulation class: I

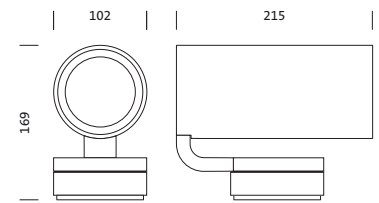


Lamps	Wt. (kg)	Order No.
LED nw	3.0	5AA32290G

- please order ribbed disc separately if required

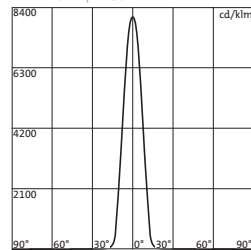
Accessories (for details see page 10.29)

Article	Wt. (kg)	Order No.
ribbed glas	0.1	5AA35601X



5AA32290G

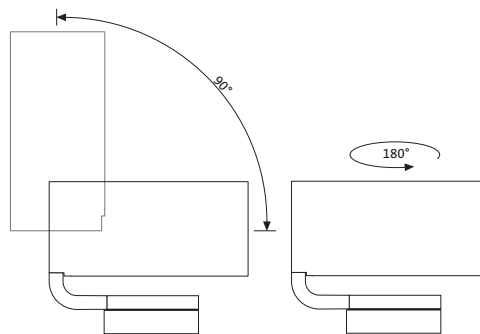
1 x LED cw ϕ N 236 lm



I_{max} 8070 cd/klm at γ 0°

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	C 0/180	C 90/270
α 50%	2 x 8.0°	2 x 8.0°
α 10%	2 x 12.5°	2 x 12.5°

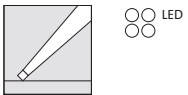
H(m)	ϕ (m)	$E_{max}(lx)$	$E_m(lx)$
1	0.28	1905	1544
2	0.56	476	386
3	0.84	212	172
4	1.12	119	97
5	1.41	76	62



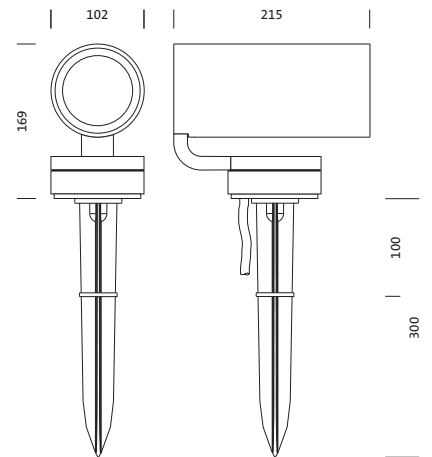


CL Spotlight 10 LED | with ground stake

CL Spotlight 10 LED with ground stake | with white LED with lens, rotationally symmetric narrow distribution; with transparent cover; elliptical light distribution via supplementary filter disc | LED operating electronics integrated in housing | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S), can be rotated through 180° and tilted through 90° via patented fixing system; cover of toughened safety glass, flush fits to housing; ground stake of aluminium



Protection rating: IP65
 Insulation class: I
 (luminaire includes pre-installed connection cable, l= 5m | incl. ground stake, l = 0.3m)



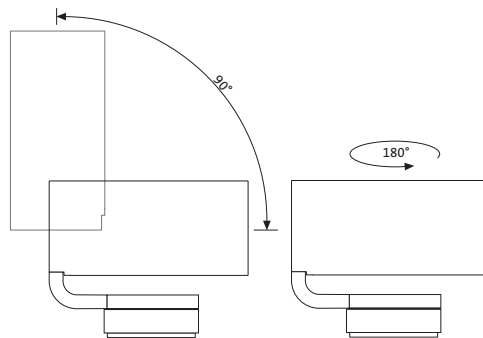
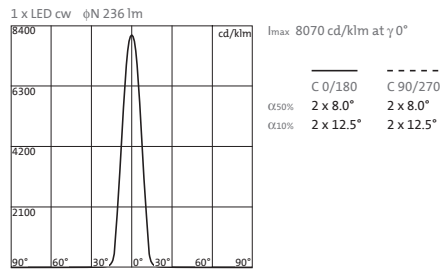
Lamps	Wt. (kg)	Order No.
LED nw	3.7	5AA32290GE

- please order ribbed disc separately if required

Accessories (for details see page 10.29)

Article	Wt. (kg)	Order No.
ribbed glas	0.1	5AA35601X

5AA32290GE



CL Spotlight 10

The CL Spotlight 10 is an integral component of facade and path luminaires of the CL series. It can be deployed as a ground, wall or ceiling spot. An LED version is available as the most efficient and modern variant.

The luminaire is in terms of construction design reduced to a minimum with a high level of workmanship: the housing is completely of metal, and gaskets and cover glasses are flushly fitted without joints to the housing. This results in a closed, homogenous overall impression. The spotlight luminaires of the CL series can be adapted to a wide spectrum of photometric tasks with various lamps and accessories.

- + adjustment of rotation and tilt via patented Siteco® system
- + installation: ground stake, podium, wall, ceiling
- + air-permeable membrane for compensating climatic fluctuations in luminaire inner
- + simple accessory cover configuration without tools
- + integral cable routing for improved protection from external influences
- + sealing protection prevents direct environmental influences (UV/driving rain) and protection of glass edge due to housing design
- + optical separation of light emission and gear tray compartment
- + lamella structure in housing for improved thermal characteristics and long service life



Housing

Robust luminaire housing of extruded aluminium with compact dimensions, housing surface with weather-resistant powder-coating in Siteco® metallic grey (DB 702S) | protection of glass edge with housing design | cover of toughened safety glass, fixed without visible screws; | ground stake of diecast aluminium | air-permeable membrane for pressure equalisation and reduction of humidity | insulation class: I | protection rating: IP65

Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry suitable for 2 cables D= 8.5...12mm; for through-wiring 3x max. 1.5mm² | version with ground stake with pre-installed connection cable, l= 5m | cable routing from base to

luminaire head within the pivotable arm | version for low voltage tungsten halogen lamp: with electronic transformer; version for metal halide lamp: with ECG

Lighting technology

Version for high voltage or low voltage tungsten halogen lamp without reflector, light distribution is defined via lamps with integrated reflector (various light distribution characteristics from lamps with differing reflectors); luminaire can be rotated through 180°, luminaire head pivotable through 90°; ellipsoid light distribution characteristic via supplementary filter disc, colour accenting possible via dichroic colour filters



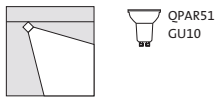
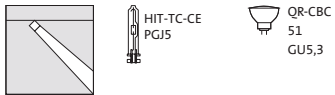
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CL Spotlight 10

CL Spotlight 10 for ground, wall and ceiling mounting | rotationally symmetric narrow distribution; version for high voltage or low voltage tungsten halogen lamp: various light distribution patterns via lamps with integrated reflector; luminaire with transparent cover; elliptical light distribution and colour accenting via additional filter discs | luminaire for low voltage tungsten halogen lamp: with electronic transformer; luminaire for metal-halide lamp: with ECG | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S), can be rotated through 180° and tilted through 90° via patented fixing system; cover of toughened safety glass, flush fits to housing



Protection rating: IP65
Insulation class: I



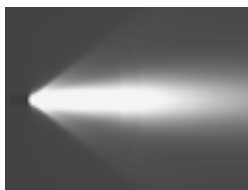
Lamps	Socket	Wt. (kg)	Order No.
1x HIT-TC-CE 20W	PGJ5	3.0	5AA32270K
1x QR-CBC51 20W	GU5.3	3.0	5AA32090E
1x QPAR51 50W	GU10	3.0	5AA32000M

- with version for high voltage tungsten halogen lamp (QPAR51) or low voltage tungsten halogen lamp (QR-CBC51): reflector is part of lamp; please order lamps separately
- recommended lamps with version for QR-CBC51: Osram DECOSTAR® 51 ENERGY SAVER
- please order colour filters or ribbed disc separately if required

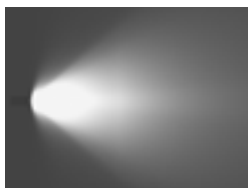
Accessories (for details see page 10.29)

Article	Wt. (kg)	Order No.
ribbed glas	0.1	5AA35601X
colour filter, dichroic, red	0.1	5AA35603X
colour filter, dichroic, yellow	0.1	5AA35604X
colour filter, dichroic, green	0.1	5AA35605X
colour filter, dichroic, blue	0.1	5AA35606X
colour filter, red	0.1	5AA35607X
colour filter, yellow	0.1	5AA35608X
colour filter, green	0.1	5AA35609X
colour filter, blue	0.1	5AA35610X

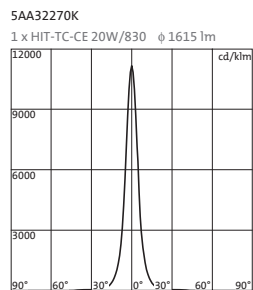
Volume light



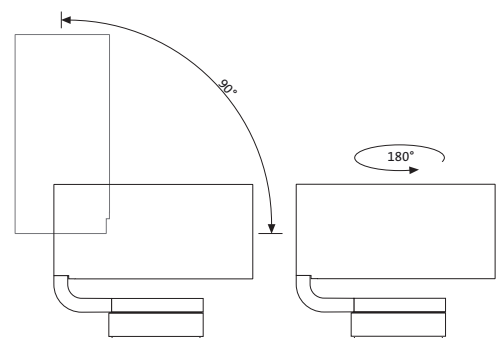
5AA32270K
1x HIT-TC-CE 20W Φ 1615 lm



5AA32270K with ribbed glass
1x HIT-TC-CE 20W Φ 1615 lm



H(m)	ϕ (m)	E _{max} (lx)	E _m (lx)
1	0.17	18027	14410
2	0.35	4507	3603
3	0.52	2003	1601
4	0.70	1127	901
5	0.87	721	576





CL Spotlight 10 | with ground stake

CL Spotlight 10 with ground stake | rotationally symmetric narrow distribution; version for high voltage or low voltage tungsten halogen lamp: various light distribution patterns via lamps with integrated reflector; luminaire with transparent cover; elliptical light distribution and colour accenting via additional filter discs | luminaire for low voltage tungsten halogen lamp: with electronic transformer; luminaire for metal-halide lamp: with ECG | housing of aluminium, powder-coated in Siteco® metallic grey (DB 702S), can be rotated through 180° and tilted through 90° via patented fixing system; cover of toughened safety glass, flush fits to housing; ground stake of aluminium

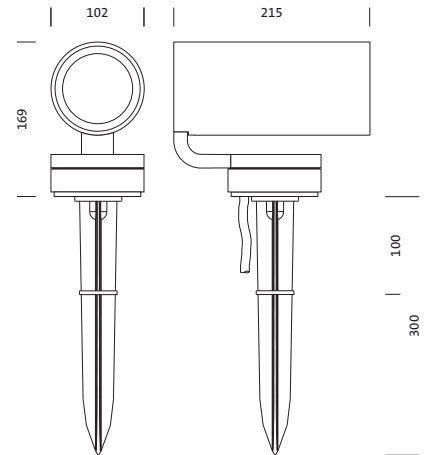


HIT-TC-CE
PGJ5

QR-CBC
51
GU5,3



QPAR51
GU10



Protection rating: IP65

Insulation class: I

(luminaire includes pre-installed connection cable, l= 5m | incl. ground stake, l= 0.3m)



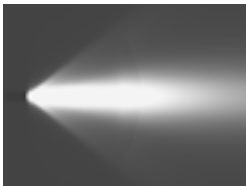
Lamps	Socket	Wt. (kg)	Order No.
1x HIT-TC-CE 20W	PGJ5	3.7	5AA32270KE
1x QR-CBC51 20W	GU5.3	3.1	5AA32090EE
1x QPAR51 50W	GU10	3.7	5AA32000ME

- with version for high voltage tungsten halogen lamp (QPAR51) or low voltage tungsten halogen lamp (QR-CBC51): reflector is part of lamp; please order lamps separately
 - recommended lamps with version for QR-CBC51: Osram DECOSTAR® 51 ENERGY SAVER
 - please order colour filters or ribbed disc separately if required

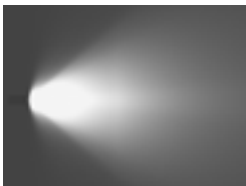
Accessories (for details see page 10.29)

Article	Wt. (kg)	Order No.
ribbed glas	0.1	5AA35601X
colour filter, dichroic, red	0.1	5AA35603X
colour filter, dichroic, yellow	0.1	5AA35604X
colour filter, dichroic, green	0.1	5AA35605X
colour filter, dichroic, blue	0.1	5AA35606X
colour filter, red	0.1	5AA35607X
colour filter, yellow	0.1	5AA35608X
colour filter, green	0.1	5AA35609X
colour filter, blue	0.1	5AA35610X

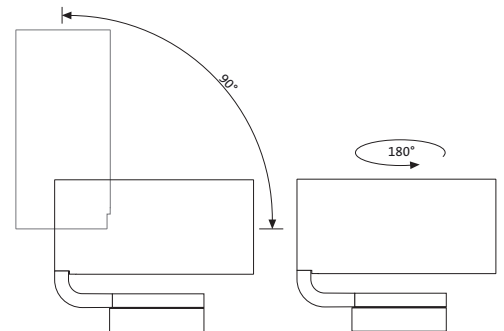
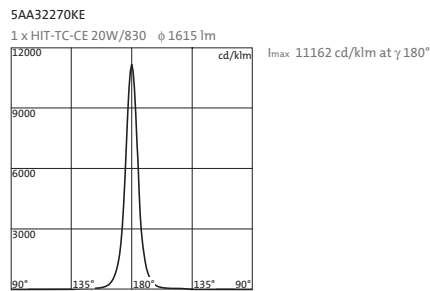
Volume light



5AA32270KE
1x HIT-TC-CE 20W ϕ 1615 lm



5AA32270KE with ribbed glass
1x HIT-TC-CE 20W ϕ 1615 lm



CL Wall 10 | CL Ceiling 10 | CL Spotlight 10 Optical Accessories

**Ribbed disc**

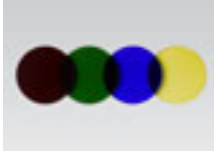
for retrofitting in CL Wall 10, CL Ceiling 10 and CL spotlight 10 | ribbed structure for ellipsoid light distribution | combination with colour filter disc possible via innovative lay-in system

Type

Ribbed disc

Order No.

5AA35601X

**Dichroic colour filter**

for retrofitting in CL Wall 10, CL Ceiling 10 and CL spotlight 10 | very intensive colour rendering due to improved filter characteristics with less heating up of glass (compared to conventional filter glass) | for colour accenting of facades and paths | colour filter of toughened safety glass | combination with ribbed disc possible via innovative lay-in system

Type

Colour filter, dichroic

Order No.

red

5AA35603X

yellow

5AA35604X

green

5AA35605X

blue

5AA35606X

**Colour filter**

for retrofitting in CL Wall 10, CL Ceiling 10 and CL spotlight 10 | for colour accenting of facades and paths | colour filter of toughened safety glass | combination with ribbed disc possible via innovative lay-in system

Type

Colour filter

Order No.

red

5AA35607X

yellow

5AA35608X

green

5AA35609X

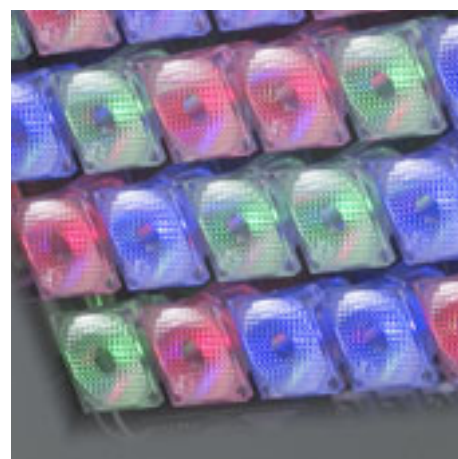
blue

5AA35610X



SiCOMPACT® S2 MINI LED-RGB

SiCOMPACT® S2 MINI LED is outstandingly suited for colour presentation of facades and horizontal surfaces. The special feature of the spotlight is its extremely broad flexibility. Almost any colour can be created via the additive mixing of its 34 RGB LEDs. In addition individual light scenes and cycles can be programmed and played via the integrated control unit. The floodlights can be adjusted in 5° increments for highly precise illumination. Integral twist protection permanently fixes the luminaire.



- + LED version with 34 LED RGB for individual colour mixing control via EASY Color Control
- + luminaire family with uniform design in three construction sizes
- + pressure equalisation system with air-permeable connector for condensation avoidance
- + simple adjustment of floodlight in 5° increments, protection against twisting via integrated latticing

Housing

Housing of diecast aluminium; mounting bracket of galvanised steel; housing and mounting bracket coated in Siteco® metallic grey (DB 7025) | all-round silicone gasket in housing profile | cover of flat, temperature-resistant, toughened safety glass | pressure equalisation system with air-permeable membrane for condensation avoidance in housing | insulation class: I | protection rating: IP66

Electrics

Luminaire wired ready for connection | with 3-pole terminal for voltage supply + 4-pole terminal for EASY bus; connection terminal max. 2.5mm² | 2x cable entry for cables D= 6...12mm | with microprocessor-controlled LED operating electronics and Easy Color Control unit
EASY bus: control units and sensors partly with screw terminals, partly with RJ-10 socket | bus line: conventional 4-core wire (e.g. NYM 4x 1.5mm²-O) or pre-prepared signal line with RJ-10 plugs (4p4c); separate cables for EASY bus and 230V voltage supply | branching of bus line via conventional terminals; branching to control devices with RJ-10 connection via Y-connector screw

Lighting technology

Symmetric light distribution with wide characteristic | 34 RGB LEDs for individual colour mixing control

Recommended applications

Especially suitable for lighting scenes with cyclic implementation of sequences

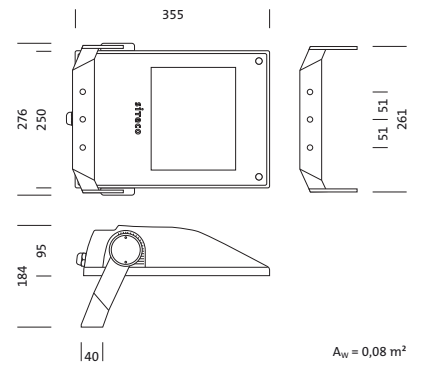
- facade lighting
- spotlighting of sculptures
- arcade lighting





SiCOMPACT® S2 MINI LED RGB

SiCOMPACT® S2 MINI LED luminaire with mounting bracket for mounting to wall, ceiling or cross-arm | with 34 LEDs (red, green and blue) with flood lens for individual additive colour mixing and homogeneous illumination; with flat cover | microprocessor-controlled LED operating electronics and Easy Color Control unit* | housing of diecast aluminium; bracket of galvanised steel; housing and bracket in Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)



RGB-LED



Protection rating: IP66

Insulation class: I

Adjustment range: 10..350° (indoor installations: 0..360°)

* control unit suitable for manual or automatic control of floodlight | programming and calling up of lighting scenes; cyclic implementation of sequences; design of a colour mixing system | implementation of functions via remote control, push button or switch, time clock, movement detector or via PC

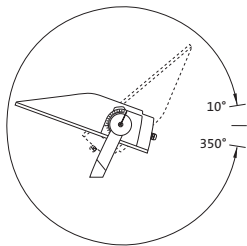
IP 66

Lamps	Wt. (kg)	diffuse	Order No.
with ECG			
LED RGB	5.1		5XA7517LMS08

- please order cross-arm separately if required
 - Easy Color Control control unit integrated in floodlight; please order further control components separately (IR remote control, IR receiver, push button interface, software etc)

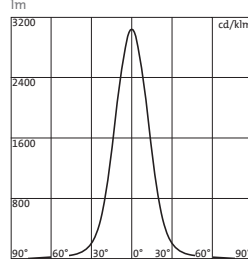
Accessories (for details see page 10.32 f.)

Article	Wt. (kg)	Order No.
ir remote control	0.1	5LZ904602
IR receiver, recessed in the cavity ceiling, IP20	0.1	5LZ904610
IR receiver, surface-mounted, IP66	0.2	5LZ904603E1
push button interface	0.1	5LZ904608
Y connector screw, socket RJ-10(4p4c)	0.1	5LZ904606
Easy Color Control software	0.1	5LZ904607
system coupler	0.1	5LZ904609



5XA7517LMS08

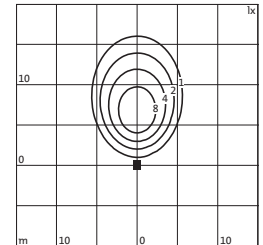
LED red + LED green + LED blue ϕ N 736



I_{max} 3037 cd/klm at γ 0°

	-----	-----
C 0/180	C 90/270	
α 50%	2 x 14.4°	2 x 14.4°
α 10%	2 x 27.1°	2 x 27.1°

Mounting height 8 m Tilt 45°



SiCOMPACT® S2 MINI LED RGB Electrical Accessories

EASY Color Control

Configurable lighting control system for dynamic RGB lighting effect applications

Special features

- parameterisation via IR remote control or software
- operation via external open contacts (push buttons, switches, time clocks, movement detectors etc.)
- in the basic version with an IR remote control/IR receiver up to 16 floodlights can be controlled (configuration of simple sequences, up to 16 floodlights can be synchronised)
- expandable to max. 64 floodlights via system coupler
- control unit (integrated in SiCOMPACT® S2 MINI LED RGB floodlights) as an 'all-in-one' device; no additional voltage supply or control modules required

Electrics

- master/slave operation | 1 master, max. 15 slaves
- total cable length: max. 100m
- cable length to push button coupler: max. 50 m | max. of two push button couplers possible in complete system
- expandable via system coupler to max. 64 floodlights and to total cable length of max. 400 m

Recommended application

Especially suitable for lighting scenes with cyclic implementation of sequences

- facade lighting
- spotlighting of sculptures
- arcade lighting



IR remote control

EASY RMC infrared remote control for configuring and operation of control unit* via IR receiver | scenes and sequences configuring and selecting | setting of sequence speed | START/STOP of running sequences | ON/OFF and dimming | infrared signal coded with immunity to interference, two codings can be selected | display shows operating mode | housing of plastic, silver protection rating: IP20 | range: max. 15m (incl. wall fixing | incl. 2 micro AAA/LR03 batteries)

* control unit (integrated in SiCOMPACT® S2 MINI LED RGB floodlight)

Type	Wt. (kg)	Order No.
IR remote control	0.1	5LZ904602

– please order IR receiver separately



IR receiver

EASY IR CI infrared receiver for ceiling recessing, for connection of remote control to control unit* | pan-and-tilt receiver head | plastic housing, white | for recessing in intermediate ceilings protection rating: IP20 | insulation class: III | temperature range: 0..+50°C (incl. pre-installed connection cable with RJ-10 connection (4p4c), length 2m, for connection to EASY bus)

* control unit integrated in SiCOMPACT® S2 MINI LED RGB floodlight

Type	Wt. (kg)	Order No.
IR receiver, recessed, IP20	0.1	5LZ904610

– please order IR remote control and Y-connector screw separately



IR receiver

EASY infrared receiver with mounting housing for connecting remote control to control unit* | plastic housing, grey; plastic cover, transparent protection rating: IP66 | insulation class: III | temperature range: 0..+50°C (with 4-pole screw terminal, max. 1.5 mm², for connection to EASY BUS)

* control unit integrated in SiCOMPACT® S2 MINI LED RGB floodlight

Type	Wt. (kg)	Order No.
IR receiver, IP66	0.2	5LZ904603E1

– please order IR remote control separately



SiCOMPACT® S2 MINI LED RGB Electrical Accessories

**Push button coupler**

EASY PB Coupler push button coupler for installing in flush mounted switch box for connection of customer-specific push buttons, switches, movement detectors or time clocks with zero-potential open contact to an EASY system | user-specific definition of switch and button functions via DIP switch | max. of two EASY PB push button couplers per EASY system

protection rating: IP20 | insulation class: III

Connection to the EASY bus: RJ-10 pin jack (4p4c) | connection of switch contacts: 8 inputs for zero-potential open contacts, 2x GND (10 screw terminals, max 1.5mm²)

(incl. connection cable, with RJ-10 pin jack (4p4c) at both ends, length 2.1m | incl. Y-connector screw for connection to EASY system)

Type	Wt. (kg)	Order No.
Push button interface, installation in switch box	0.1	5LZ904608

**Y-connector screw**

Y branching point for system expansion, for connection of several sensors and control units* to an EASY system

protection rating: IP20 | insulation class: III | temperature range: 0..+50°C

Connection to the EASY bus: 2 screw terminals, 4-pole, max. 1.5mm² and 2 RJ-10 pin jacks (4p4c)

(incl. 2 connection cables, RJ-10 pin jack (4p4c) at both ends; cable length: 2.1m)

* control unit integrated in SiCOMPACT® S2 MINI LED RGB floodlight

Type	Wt. (kg)	Order No.
Y-connector screw, RJ-10 pin jack (4p4c)	0.1	5LZ904606

**EASY Color control software**

EASY Color Control software for configuring control units* with PC | addressing control units* (max. 16; up to 64 with use of EASY system coupler) | implementing system tests | setting colours and light scenes | creating automatic sequences, sequence duration and transition speed | creating programmes (orders of various sequences) | visualising system conditions with PC | loading and saving all settings as a file

Hardware system requirements:

Processor: min. Pentium II | min. 233 MHz | min. 1GHz for Windows 7 | free disk memory: min. 20 MB | drive: CD-ROM |

Port: 1x mini USB

Monitor: SVGA | resolution: 1024x768 or higher | at least 65536 colours (16 bit)

Operating system requirements:

Windows 2000 Service Pack 4: min. 128MB RAM | Windows XP Service Pack 3: min 256MB RAM | Windows Vista: min. 512MB RAM |

Windows 7 - 32 bit: min. 1GB RAM

* control unit integrated in SiCOMPACT® S2 MINI LED RGB floodlight

Type	Wt. (kg)	Order No.
Easy Color control software	0.1	5LZ904609

**EASY system coupler**

EASY SYS CP system coupler for connection of up to 4 EASY systems | bidirectional communication of systems | increasing number of operating components and expansion of cable length in the system | electrical isolation between the EASY systems | inspection of correct wiring via LED display | housing: plastic, black

protection rating: IP20 | insulation class: III | temperature range: 0..+50°C

Connection to the EASY bus: two RJ-10 pin jacks (4p4c) | (incl. 2 connection cables, RJ-10 pin jack (4p4c) at both ends; cable length: 2.1m)

Type	Wt. (kg)	Order No.
Easy system coupler	0.1	5LZ904609

– please order Y-connector screw for integration in the EASY bus system separately if required

SiCOMPACT® S2 MINI LED RGB Spare Parts

Optical enclosure (not shown)

Toughened safety glass | transparent, part-coated; with hinge

Type	Order No.
Cover panel for SiCOMPACT® S2 MINI LED-RGB	5XA75100XGL



SiCOMPACT® R1 MINI

The rotationally symmetrical distribution projectors of the SiCOMPACT® R1 MINI family can be mounted to the ground, to walls, mast-mounted or mounted to cross-arms with suitable accessories. Highly specular aluminium reflectors with narrow or wide light distribution can be chosen for various photometric tasks. Special effects are achieved with various colour and diffuser discs.



Housing

Housing of diecast aluminium; mounting bracket of galvanised steel (SiCOMPACT® R1 MINI-S) or diecast aluminium (SiCOMPACT® R1 MINI Aluminium); all parts with weather-resistant coating in Siteco® metallic grey (DB 702S) | luminaire cover of toughened safety glass | insulation class: I | protection rating: IP65

Electrics

Luminaire wired ready for connection | with 3-pole connection terminal, max.2.5mm² | cable entry for cables D= 7...14mm | optional protective tubing for cable to projector | with integral ballast (LLCG, with parallel power factor correction), spacially separated from lamp compartment

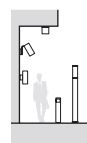
Lighting technology

Highly specular aluminium reflector with rotationally symmetrical light distribution, narrow or wide; ellipsoid, diamond-shaped or diffuse light distribution via supplementary filter disc, colour accenting possible via dichroic colour filters





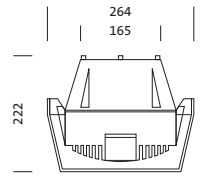
- + small projector for spotlighting and illumination of buildings
- + compact diecast aluminium housing with narrow or wide distribution lighting
- + including pressure equalisation port preventing condensation in housing
- + high efficiency with compact design
- + all electrical components integrated inside housing





SiCOMPACT® R1 MINI-S

SiCOMPACT® R1 MINI-S projector with mounting bracket for mounting to cross-arm, supporting structure or on ground stake | with aluminium reflector, highly specular, rotationally symmetric narrow distribution or wide distribution; with flat cover disc; modification of lighting pattern and colour accenting via additional filter discs | with LLCG, parallel p.f. correction and ignitor | housing of diecast aluminium; mounting bracket of galvanised steel; Siteco® metallic grey (DB 7025)



Protection rating: IP65
Insulation class: I

IP 65

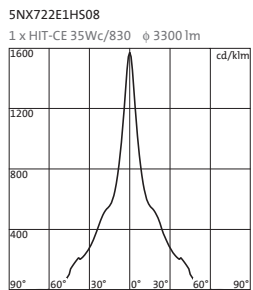
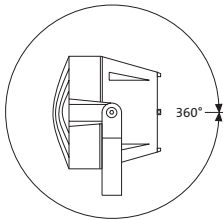


Lamps	Socket	Wt. (kg)	narrow distribution Order No.	diffuse Order No.
with integrated CG, with integrated ign. (with automatic power disconnection)				
1x HIT-CE 35W	G12	4.5	5NX722E1HB08	5NX722E1HS08
1x HIT-CE 70W	G12	4.9	5NX722E1MB08	5NX722E1MS08

- please order colour filters or supplementary disc separately if required

Accessories (for details see page 10.38)

Article	Wt. (kg)	Order No.
ribbed glas	0.7	5NX72200XGS1
pyramidal glass	0.3	5NX72200XGS2
diffuser disc	0.3	5NX72200XGS3
colour disc, dichroic, red	0.2	5NX72400XGD3
colour disc, dichroic, orange	0.2	5NX72400XGD6
colour disc, dichroic, yellow	0.2	5NX72400XGD5
colour disc, dichroic, green	0.2	5NX72400XGD2
colour disc, dichroic, blue	0.1	5NX72400XGD4
colour disc, red	0.2	5NX72400XG0308
colour disc, yellow	0.2	5NX72400XG4208
colour disc, green	0.2	5NX72400XG0208
colour disc, blue	0.2	5NX72400XG0408
baffle ring	0.3	5NX72400XB01



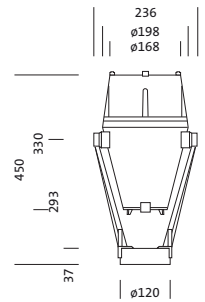
H(m)	ϕ (m)	$E_{max}(lx)$	$E_m(lx)$
1	0.31	5184	3863
2	0.61	1296	966
3	0.92	576	429
4	1.22	324	241
5	1.53	207	155





SiCOMPACT® R1 MINI Aluminium

SiCOMPACT® R1 MINI aluminium projector for mounting to cross-arm, supporting structure or on ground stake | with aluminium reflector, highly specular, rotationally symmetric narrow distribution or wide distribution; with flat cover disc; modification of lighting pattern and colour accenting via additional filter discs | with LLCG, parallel p.f. correction and ignitor | housing and design mounting bracket of diecast aluminium; Siteco® metallic grey (DB 702S)



Protection rating: IP65
Insulation class: I

IP 65

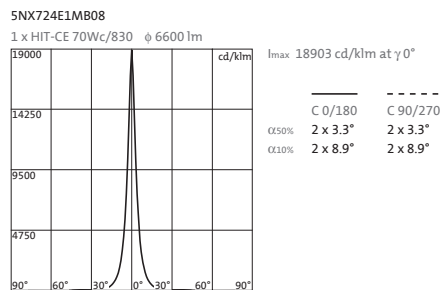
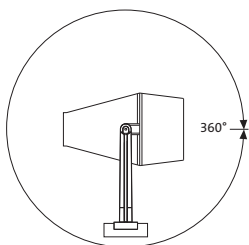


Lamps	Socket	Wt. (kg)	narrow distribution Order No.	diffuse Order No.
with integrated CG, with integrated ign. (with automatic power disconnection)				
1x HIT-CE 70W	G12	6.0	5NX724E1MB08	5NX724E1MS08
1x HIT-CE 150W	G12	6.9	5NX724E1PB08	5NX724E1PS08

- please order colour filters or supplementary disc separately if required

Accessories (for details see page 10.38)

Article	Wt. (kg)	Order No.
ribbed glas	0.3	5NX72400XGS1
pyramidal glass	0.3	5NX72400XGS2
diffuser disc	0.3	5NX72200XGS3
colour disc, dichroic, red	0.2	5NX72400XGD3
colour disc, dichroic, orange	0.2	5NX72400XGD6
colour disc, dichroic, yellow	0.2	5NX72400XGD5
colour disc, dichroic, green	0.2	5NX72400XGD2
colour disc, dichroic, blue	0.1	5NX72400XGD4
colour disc, red	0.2	5NX72400XG0308
colour disc, yellow	0.2	5NX72400XG4208
colour disc, green	0.2	5NX72400XG0208
colour disc, blue	0.2	5NX72400XG0408
baffle ring	0.3	5NX72400XB01



H(m)	ϕ (m)	$E_{max}(lx)$	$E_m(lx)$
2	0.23	31191	23983
3	0.35	13863	10659
4	0.46	7798	5996
5	0.58	4991	3837
6	0.69	3466	2665



SiCOMPACT® R1 Mini-S | ... MINI-Aluminium Optical Accessories



Diffuser disc, with supporting frame

for retrofitting | structured glass with supporting frame of aluminium, Siteco® metallic grey (DB 702S)

Ribbed disc: ribbed structure for ellipsoid light distribution

Pyramid disc: pyramidal structure for diamond-form light distribution

Diffuser disc: irregular surface structure for diffuse light distribution

Type	Order No.
for SiCOMPACT® R1 MINI-S	
Ribbed disc	5NX72200XGS1
Pyramid disc	5NX72200XGS2
Diffuser disc	5NX72200XGS3
for SiCOMPACT® R1 MINI-Aluminium	
Ribbed disc	5NX72400XGS1
Pyramid disc	5NX72400XGS2
Diffuser disc	5NX72200XGS3



Dichroic colour filter, with support frame

for retrofitting | very intensive colour rendering due to improved filter characteristics with less heating up of glass (compared to conventional filter glass) | for colour accenting of facades and paths | colour filter of toughened safety glass; supporting frame of aluminium, Siteco® metallic grey (DB 702S)

Type	Order No.
Colour filter, dichroic	
red	5NX72400XGD3
orange	5NX72400XGD6
yellow	5NX72400XGD5
green	5NX72400XGD2
blue	5NX72400XGD4



Colour filter, with support frame

for retrofitting | for colour accenting of facades and paths | colour filter of toughened safety glass; supporting frame of aluminium, Siteco® metallic grey (DB 702S)

Type	Order No.
Colour filter	
red	5NX72400XG0308
yellow	5NX72400XG4208
green	5NX72400XG0208
blue	5NX72400XG0408



Baffle ring

for glare limitation when viewed directly | galvanised, coated black (RAL 9005, matt)

Type	Order No.
Baffle ring	5NX72400XB01

SiCOMPACT® R1 Mini-S | ... MINI-Aluminium Housing Accessories

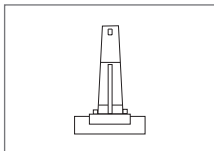


Protective tubing

for protection of cable to the projector | plastic, black | screw fastening on luminaire side | length l = 600mm; diameter: di = 17mm

Type	Order No.
Protective tubing	5NY72400XS2

SiCOMPACT® R1 Mini-S Mounting Accessories



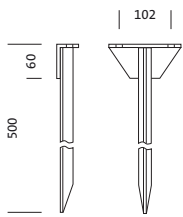
Design mounting bracket

for replacing standard mounting bracket | diecast aluminium, Siteco® metallic grey (DB 702S)

Type	Order No.
Design mounting bracket for SiCOMPACT® R1 MINI-S	5NX72201X08

• design mounting bracket suitable for combining with the following SiCOMPACT® R1 MINI-Aluminium mounting accessory

SiCOMPACT® R1 Mini-S Mounting Accessories



Ground stake
Steel, galvanised

Type
Ground stake

Order No.
5NA75700ES

SiCOMPACT® R1 Mini-Aluminium Mounting Accessories



Mast mounting element
for mounting the projector to masts with spigot size $d_a = 76 \times 70\text{mm}$ or on ground stake | mast mounting element of diecast aluminium, Siteco® grey metallic (DB 7025)

Type
Mast mounting element

Order No.
5NY72400XM18

Reducer (not shown)
for mounting the mast mounting element to masts with mast spigot $d_a = 60\text{mm}$ | reducer of diecast aluminium

Type
Reducer for mast mounting element
Spigot size 76/60mm

Order No.
5NY72400XR



Ground stake
for accommodation of mast mounting element for projectors | ground stake of galvanised steel | height: $h = 500\text{mm}$; spigot size $d_a \times l = 76 \times 73\text{mm}$

Type
Ground stake
• please order mast mounting element separately

Order No.
5NY72400XE10



Cross arm, galvanised
for mounting two projectors | cross arm of steel, galvanised | for spigot size $d_a = 76 \times 100\text{mm}$; Cross arm $L \times W = 500 \times 120\text{mm}$

Type
Cross-arm

Order No.
5NY72402XT10



Wall arm
for mounting projector | wall arm of diecast aluminium, Siteco® metallic grey (DB 7025)

Type
Wall arm

Order No.
5NY72400XW18

SiCOMPACT® R1 Mini-S | ... R1 MINI-Aluminium Spare Parts

Optical enclosure (not shown)
flat cover panel, mounted in housing ring | cover of toughened safety glass; housing ring of diecast aluminium, Siteco® metallic grey (DB 7025)

Type
Optical enclosure with housing ring

Order No.
5NX72400XG18



Masts, brackets and special mountings are listed in Section 9 of this catalogue



Siteco Mirrortec® Projector 400

The rotationally symmetrical Siteco Mirrortec® projectors are characterised by high light output ratios and a narrow light distribution with narrow half-peak divergence without light spill. This is made possible with precise optics: with the parallel beam version the inverse lamp alignment controls the beam area of ± 2.5 degrees so exactly that the projectors are suitable as projector systems for the Siteco Mirrortec® reflectors as well as for the precise, point illumination of towers and buildings.

The projector of high quality diecast aluminium is compactly constructed for easy handling: the projector head and electrical housing that additionally functions as a wall surface mounting module are separately constructed, but connected via a rotating hinge. This enables the projector head to be variably adjusted and securely fixed with three screws.

- + patented light control with inverse mounting position and axial lamp arrangement for parallel light distribution
- + simple, discreet design
- + can be universally used for indoors and outdoors
- + compact design with diecast aluminium housing
- + optimised housing form: no shadows from socket or lampholder
- + relamping without tools



Housing

Housing of diecast aluminium, metallic grey (RAL 9006) coated | projector head and electrical case have a rotatable and pivotable joint | temperature-resistant cover panel | plated and anodised aluminium reflector | tool-free relamping via opening of upper tube hood | insulation class: I | protection rating: IP65

Electrics

Projector wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry for cables D= 6...12mm | with LLCG, power factor corrected

Lighting technology

Due to patented lighting technology with inverse mounting position, the beam area is precisely defined:

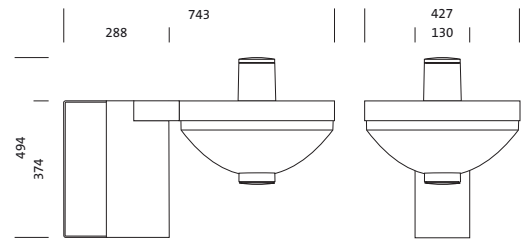
- Version 1: parallel distribution optimised for point-formed illumination from larger distances, maximum light output ratio and uniform illumination in $\pm 2.5^\circ$ beam area | significantly reduced light immission with less than 1.6% of luminous flux outside of range $\pm 10^\circ$
- Version 2: wide light distribution for floodlighting





Siteco Mirrortec® Projector 400

Siteco Mirrortec® Projector 400 for surface mounting to vertical or horizontal surfaces | patented lighting technology with inverse mounting position; aluminium reflector, highly specular, parallel or diffuse distribution; with transparent cover | with LLCG, parallel p.f. correction and ignitor | housing of diecast aluminium, metallic grey (RAL 9006); reflector of plated and anodised aluminium, matt exterior; cover of toughened safety glass



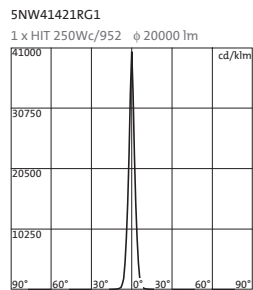
Protection rating: IP65
 Insulation class: I
 Application area: indoors or outdoors

IP 65



Lamps	Socket	Wt. (kg)	LLCG w. th. prot. Order No.
optimised for secondary reflector systems, parallel beam			
1x HIT 250W	E40	20.2	5NW41421RG1
1x HIT 400W	E40	21.6	5NW41421TG1
diffuse			
1x HIT 250W	E40	19.5	5NW41421RS2
1x HIT 400W	E40	20.7	5NW41421TS2

- recommended lamps with 400W: Osram HQI-BT 400W
 Note on lamp selection: when specifying lamps, the permissible lamp burning position must be considered (specification by lamp manufacturer)



H(m)	ϕ (m)	E_{max} (lx)	E_m (lx)
1	0.08	806178	622610
2	0.16	201544	155653
3	0.24	89575	69179
4	0.32	50386	38913
5	0.40	32247	24904



CW Luminaires

The cuboid and cylindrical recessed wall luminaires of the CW family with rectangular or circular light emission apertures emit symmetrical light distribution. A silver-grey anti-glare screen enables direct, glare-limited light control. Special colour effects can be achieved with CW 91 with suitable colour accessory glasses. The luminaire cover for both luminaire types is opal safety glass (optional: transparent cover) with a cover ring of stainless steel or diecast aluminium.

- + recessed wall luminaire with circular or rectangular design with opal glass cover and stainless steel frame
- + CW 96: narrow optic with good, linear light effect
- + recessed casing and cover ring of stainless steel
- + optional colour glasses/transparent cover glass/anti-glare screen available
- + optional through-wiring



Housing

Encapsulated housing of diecast aluminium; cover of temperature-resistant toughened safety glass, frame of stainless steel or coated aluminium, silver-grey | insulation class: I | protection rating: IP66
Wall recessing frame of stainless steel, open at rear, with mounting frame of diecast aluminium

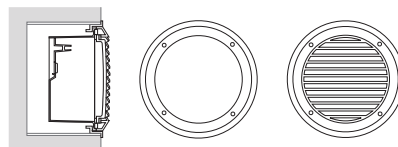
Electrics

Luminaires wired ready for connection | with 3-pole terminal, max. 2.5mm² | cable entry for cables D= 7...14mm (CW 91: can be optionally supplied with cable entry for 2 cables for 3x max. 1.5mm² through-wiring) | versions for compact fluorescent lamp with LLCC, parallel p.f. corrected

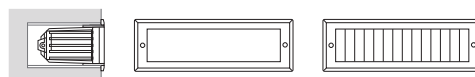
Lighting technology

Aluminium reflector, highly specular, symmetric light distribution; luminaire with opal cover of toughened safety glass (transparent cover by replacing on-site)
for CW91: ellipsoid light distribution via supplementary filter disc, colour accenting possible via dichroic colour filters; glare limitation via ring louvre

CW 91 VERSIONS



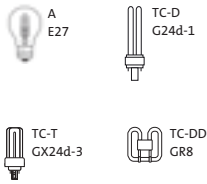
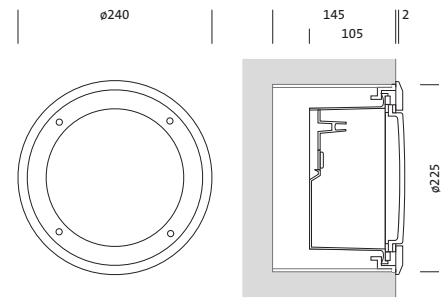
CW 96 VERSIONS





CW 91 | for wall recessing

CW 91 circular luminaire for wall recessing | with aluminium reflector, highly specular, symmetric light distribution; with opal cover*; glare reduction and colour accenting via supplementary louvre or filter | versions for compact fluorescent lamps: with LLCG, with parallel p.f. correction | housing of diecast aluminium; cover frame of stainless steel or diecast aluminium, silver-grey coated; cover of safety glass; mounting frame of stainless steel with mounting ring of diecast aluminium, silver-grey coated



Protection rating: IP66
Insulation class: I

* opal cover can be replaced on-site by transparent cover

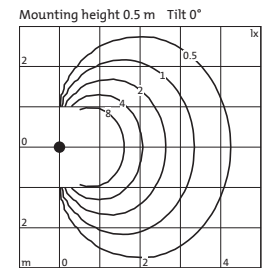
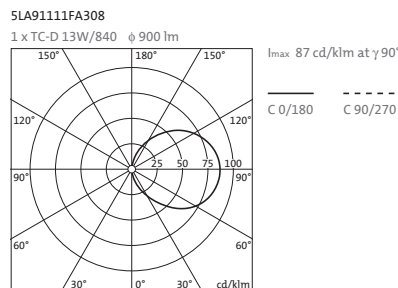
IP 66 IK 07

Lamps	Socket	Wt. (kg)	Order No.
housing enclosure, aluminium			
1x TC-D 13W	G24d-1	2.9	5LA91111FA308
1x TC-T 26W	GX24d-3	3.3	5LA91111LA308
1x TC-DD 16W	GR8	2.0	5LA91111FB308
housing enclosure, aluminium, with louvre			
1x TC-T 26W	GX24d-3	3.4	5LA91211LA308
housing enclosure, stainless steel			
1x A60 60W	E27	3.0	5LA91011BW300
1x TC-D 13W	G24d-1	3.3	5LA91011FA300
1x TC-T 26W	GX24d-3	3.6	5LA91011LA300

- please order cover panel, colour filters or louvre separately if required

Accessories (for details see page 10.49)

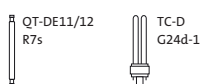
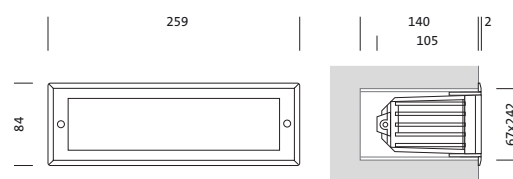
Article	Wt. (kg)	Order No.
colour disc, dichroic, red	0.2	5NX90000XG03
colour disc, dichroic, yellow	0.2	5NX90000XG42
colour disc, dichroic, green	0.1	5NX90000XG02
colour disc, dichroic, blue	0.7	5NX90000XG04
cover glass, glass, transparent	1.0	5NX90000XG01





CW 96 | for wall recessing

CW 96 rectangular luminaire for wall recessing | with aluminium reflector, highly specular, symmetric light distribution; according to version with louvre for glare reduction; with opal safety glass cover | versions for compact fluorescent lamps: with LLCC, with parallel p.f. correction | housing of diecast aluminium; cover frame of stainless steel; mounting frame of stainless steel with mounting ring of diecast aluminium, silver-grey coated



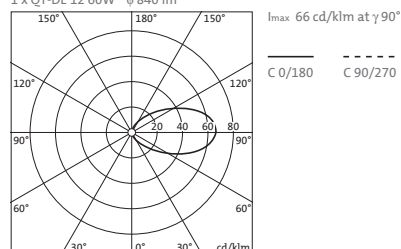
Protection rating: IP66
Insulation class: I

IP 66

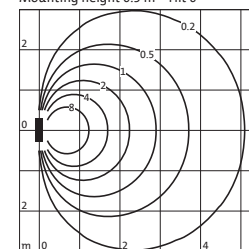
Lamps	Socket	Wt. (kg)	Order No.
housing enclosure, stainless steel			
1x QT-DE 60W	R7s	2.1	5LA96011M0300
1x TC-D 13W	G24d-1	2.4	5LA96011FA300
housing enclosure, stainless steel, with louvre			
1x TC-D 13W	G24d-1	2.2	5LA96211FA300

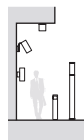
5LA96011M0300

1 x QT-DE 12 60W ϕ 840 lm



Mounting height 0.5 m Tilt 0°

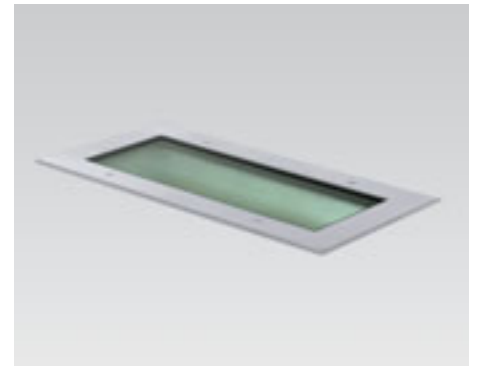




CB Luminaires

The cuboid and cylindrical ground recessed luminaires of the CB family with rectangular or circular light emission apertures and various reflector systems emit narrow, medium or wide light distribution. With an insert for asymmetric light distribution (CB 95) and an angle of inclination adjustment to 10 degrees (CB 90) the CB luminaires can also be used 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 driveover loads of up to 5000 kg or 6000 kg.

- + driveover load 5,000kg (CB 90) or 6,000kg (CB 95)
- + cover of toughened safety glass; optional anti-slip surface
- + minimal construction height of stainless steel frame
- + optional colour glasses
- + ground recessing frame of stainless steel
- + pre-assembled connection cable



Housing

Encapsulated housing of diecast aluminium; cover of temperature-resistant toughened safety glass, frame of stainless steel or coated aluminium, silver-grey | maximum wide-area driveover load: CB 90 up to 5000kg, CB 95 up to 6000kg | insulation class: I | protection rating: IP67

Ground recessing frame of stainless steel, open at rear, with mounting frame of diecast aluminium

Electrics

Luminaire wired ready for connection | incl. pre-installed connection cable with free wire ends, 3x 1.5mm², L=1m, for connection of on-site connection socket | with LLCG, power-factor corrected, gearbox in separate housing with CB 90, with fixed wiring to luminaire head

Lighting technology

Aluminium reflector, highly specular; luminaire with transparent cover of toughened safety glass (opal or transparent anti-slip cover by replacing on-site); colour accenting possible via dichroic colour filters. CB 90 with extremely narrow, medium or wide light distribution, with 0°-10° alignment adjustment of reflector system.

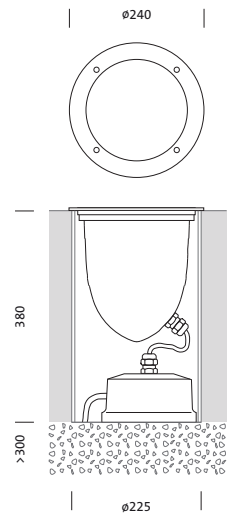
CB 95 with asymmetric or symmetric light distribution





CB 90 | for ground recessing

CB 90 circular luminaire for ground recessing | with aluminium reflector, highly specular, extremely narrow, narrow or medium light distribution; with variable lamp inclination angle 0..10°; with transparent cover*; glare reduction and colour accenting via supplementary louvre or filter | versions for compact fluorescent lamps: with LLCG, with parallel p.f. correction | housing of diecast aluminium; cover frame of stainless steel; cover of safety glass; mounting frame of stainless steel with mounting ring of diecast aluminium, silver-grey coated



Protection rating: IP67

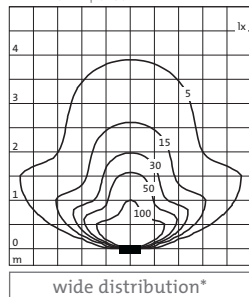
Insulation class: I

(incl. pre-assembled connection cable, L = 1m)

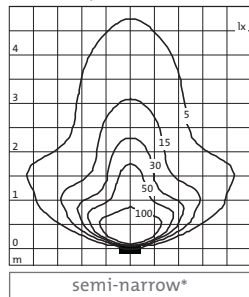
* transparent cover can be replaced on-site by slip-resistant cover or opal cover



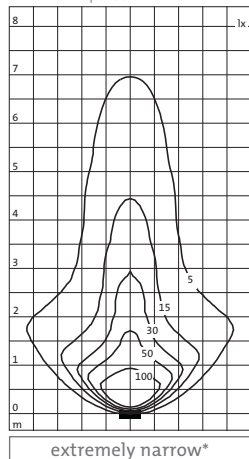
5NA90011MS100R
1xHIT 70W ø 6400 lm



5NA90011MB100R
1xHIT 70W ø 6400 lm



5NA90011ME100R
1xHIT 70W ø 6400 lm



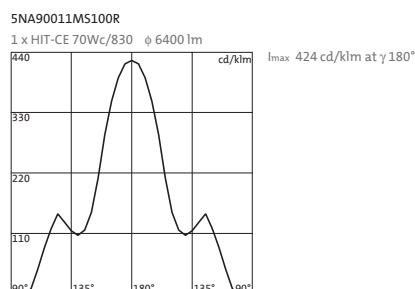
* Distance luminaire – wall 1m
Inclination 0°

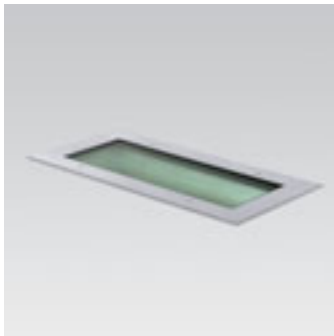
Lamps	Socket	Wt. (kg)	Order No.
extremely narrow distribution			
1x HIT HIT-CE 35W	G12	8.2	5NA90011LE100R
1x HIT HIT-CE 70W	G12	8.6	5NA90011ME100R
1x HIT HIT-CE 150W	G12	9.1	5NA90011PE100R
narrow distribution			
1x HIT HIT-CE 35W	G12	8.2	5NA90011LB100R
1x HIT HIT-CE 70W	G12	8.5	5NA90011MB100R
1x HIT HIT-CE 150W	G12	9.1	5NA90011PB100R
1x TC-T 26W	GX24d-3	7.3	5LA90011LA100
medium distribution			
1x HIT HIT-CE 35W	G12	8.0	5NA90011LS100R
1x HIT HIT-CE 70W	G12	8.5	5NA90011MS100R
1x HIT HIT-CE 150W	G12	9.1	5NA90011PS100R

- please order opal or slip-resistant cover panel, colour filter or louvre separately if required

Accessories (for details see page 10.49)

Article	Wt. (kg)	Order No.
colour disc, dichroic, red	0.2	5NX90000XG03
colour disc, dichroic, yellow	0.2	5NX90000XG42
colour disc, dichroic, green	0.1	5NX90000XG02
colour disc, dichroic, blue	0.7	5NX90000XG04
louvre, for 1x HIT 35/70/150W, with Glare-protection attachment, matt black	0.4	5NA9000R
cover glass, glass, opal	0.9	5NX90000XG00
cover glass, glass, transparent, anti-slip	0.9	5NX90000XG00R



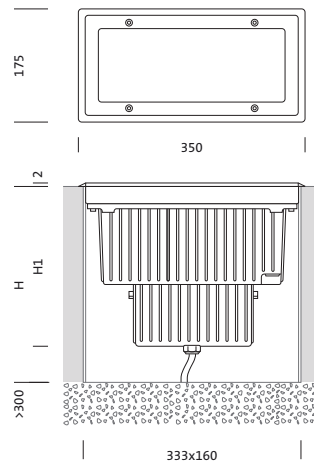


CB 95 | for ground recessing

CB 95 rectangular luminaire for ground recessing | with aluminium reflector, highly specular, symmetric or asymmetric light distribution; with transparent cover*; colour accenting via supplementary filter disc | with LLCG, with parallel p.f. correction | housing of diecast aluminium; cover frame of stainless steel; cover of safety glass; mounting frame of stainless steel with mounting ring of diecast aluminium, silver-grey coated



Protection rating: IP67
 Insulation class: I
 (incl. pre-assembled connection cable, L = 1m)



	H	H1
70W	195	155
150W	330	275

* transparent cover can be replaced on-site by slip-resistant cover or opal cover

IP 67 IK 10

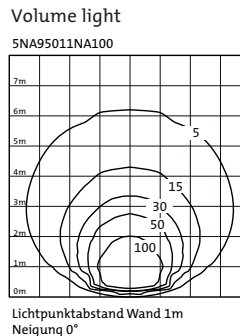
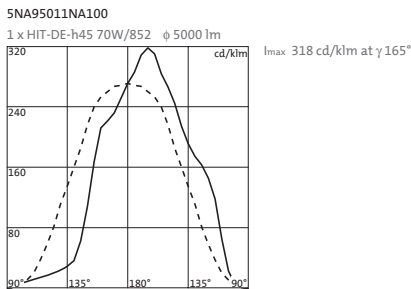
Lamps	Socket	Wt. (kg)	Order No.
asymmetric distribution			
1x HIT-DE-CE HST-DE 70W	RX7s	7.2	5NA95011NA100
1x HIT-DE-CE HST-DE 150W	RX7s-24	9.6	5NA95011PA100

symmetric distribution			
1x HIT-DE-CE HST-DE 70W	RX7s	7.2	5NA95011NS100
1x HIT-DE-CE HST-DE 150W	RX7s-24	9.7	5NA95011PS100

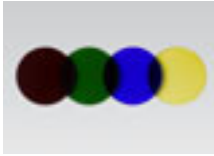
- please order opal or slip-resistant cover panel or colour filter separately if required

Accessories (for details see page 10.49)

Article	Wt. (kg)	Order No.
colour disc, dichroic, red	1.3	5NX95000XG03
colour disc, dichroic, yellow	1.9	5NX95000XG42
colour disc, dichroic, green	0.2	5NX95000XG02
colour disc, dichroic, blue	0.2	5NX95000XG04
colour disc, opal	0.9	5NX95000XG00
cover glass, glass, transparent, anti-slip	1.1	5NX95000XG00R



CW 91 | CB 90 Optical Accessories | spare parts

**Dichroic colour filter**

for retrofitting in CW 91 and CB 90 | very intensive colour rendering due to improved filter characteristics with less heating up of glass (compared to conventional filter glass) | for colour accenting of facades and paths

Type	Order No.
Colour filter, dichroic	
red	5NX90000XG03
yellow	5NX90000XG42
green	5NX90000XG02
blue	5NX90000XG04

**Ring louvre**

for glare control
for retrofitting in CB 90 | for high pressure lamps
(HIT 35/70/150W)

Type	Order No.
Ring louvre	5NA9000R

Optical enclosure (not shown)

as replacement of series cover for CW 91 or CB 90
transparent, anti-slip due to partly-roughed surface | safety glass, pressure-resistant with surface loads

transparent | safety glass
opal | safety glass

Type	Order No.
Optical enclosure for CW 91	
transparent safety glass	5NX90000XG01
opal safety glass	5NX90000XG00
Optical enclosure for CB 90	
transparent, anti-slip safety glass	5NX90000XG00R
transparent safety glass	5NX90000XG01
opal safety glass	5NX90000XG00

CB 95 Optical Accessories | spare parts

**Dichroic colour glasses/ replacement glasses**

for retrofitting in CB 95 | very intensive colour rendering due to improved filter characteristics with less heating up of glass (compared to conventional filter glass) | for colour accenting of facades and paths

Type	Order No.
Colour filter, dichroic	
red	5NX95000XG03
yellow	5NX95000XG42
green	5NX95000XG02
blue	5NX95000XG04

Optical enclosure (not shown)

as replacement of series cover for CB 95
transparent, anti-slip due to partly-roughed surface | safety glass, pressure-resistant with surface loads | transparent | safety glass
opal | safety glass

Type	Order No.
Optical enclosure for CB 95	
transparent, anti-slip safety glass	5NX95000XG00R
transparent safety glass	5NX95000XG01
opal safety glass	5NX95000XG00



CL Bollard

The CL bollards 30 | ... 60 | ... 90 and ... 120 are an integral component of the CL series facade and path luminaires. The bollards consist of two components: a base with integrated gear tray, and a housing for which various reflectors and optics are available for differing light effects. Thus the luminaire can to a great extent be installed and maintained without use of tools: it can be mounted to the planted section or foundation with only three screws, and can compensate for unevenness of the mounting surface with the Siteco® Adjustment Module. Only one screw reliably fixes the housing to the gear tray. This safeguards the bollard against unauthorised manipulation and enables rapid relamping. The luminaires feature a pre-prepared connection cable and can be equipped with a junction box. The housing is completely of metal, and gaskets and PC cover flushly fit without joints to the housing. This results in a closed, homogenous overall impression. With use of the Siteco® High Louvre System, directional and glare-reduced light distribution is achieved. The Siteco® HPE system (High Prismatic Effect) with powerful HIT-TC-CE light source and highly precise optics creates extremely wide light distribution.

- + Siteco® anti-vandal kit consisting of solid baseplate and impact-resistant PC cover (IK10/09)
- + air-permeable membrane for compensating climatic fluctuations in the luminaire inner
- + impact-resistant housing according to VDE 0711
- + bollard pre-wired with connection cable
- + direct mounting upon foundation or with planted section
- + Siteco® adjustment module for compensation of unevenness of mounting surface
- + position of light emission aperture can be adjusted after mounting
- + sealing protection prevents direct environmental influences (UV/driving rain), housing design protects cover edge
- + position of light emission aperture can also be adjusted after mounting (360°)
- + Siteco® High Louvre System
- + Siteco® High Prismatic Effect System

Housing

Robust luminaire housing of extruded aluminium with compact dimensions; solid baseplate for mounting on foundation or planted section; housing surface with weather-resistant powder coating in Siteco metallic grey (DB 702S) | flush-fitting of optical enclosure | cover of impact-resistant PC, without visible screws |
 CL bollard 30: insulation class I | IP65 | IK10
 CL bollard 60: insulation class II | IP65 | IK10
 CL bollard 90/120 insulation class II | IP65 | IK09

Electrics

luminaire with pre-assembled cable for connection of luminaire in cable junction box | connection prepared for junction box to max. 2x 5x 10mm² (IP65 bollard); no modification to inner wiring of luminaire required | simple relamping with easy opening of only one screw

Lighting technology

CL bollard with one-sided or two-sided light emission characteristic according to version | position of light emission aperture can also be adjusted after mounting (360°)
 Versions for TC-DEL lamps: with Siteco® High Louvre System* for directional and glare-reduced light effect | versions for HIT-TC-CE lamps: with Siteco® High Prismatic Effect system for extremely wide light distribution; with inner frosted cover | *Siteco® HLS/High Louvre System. deflection of light to working plane without direct view of lamp | no disturbing light reflections in light emission due to translucent appearance | homogeneous light emission surface for orientation



product
design
award

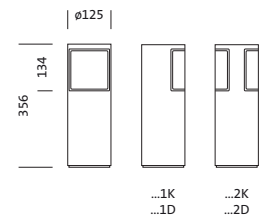
2008 ■





CL Bollard 30

CL Bollard 30 for mounting on foundation or planted section | with one or two-sided light emission; variants for TC-DEL: with Siteco® High Louvre System for directional and glare-reduced light effect; variants for HIT-TC-CE: with Siteco® High Prismatic Effect System for extreme wide light distribution; with inner frosted cover | with ECG | aluminium housing, solid base with integrated gear tray; powder-coated in Siteco® metallic grey (DB 7025); cover of impact-resistant PC



Protection rating: IP65
 Insulation class: I
 (luminaire including pre-assembled cable)

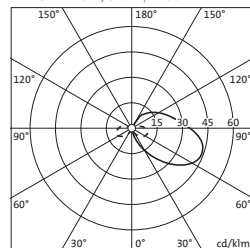


Lamps	Socket		Wt. (kg)	Order No.
Light emission single-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	4.1	5AA41171K
1x TC-DEL 18W	G24q-2	IK10	3.9	5AA41171D
Light emission 2-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	3.8	5AA41172K
1x TC-DEL 18W	G24q-2	IK10	4.1	5AA41172D

- please order planted section separately if required

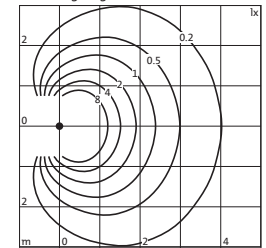
5AA41171D

1 x TC-DEL 18W/840 ϕ 1200 lm



I_{max} 44 cd/klm at γ 70°
 C 0/180 C 90/270

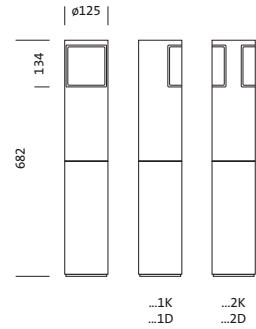
Mounting height 0.29 m Tilt 0°





CL Bollard 60

CL Bollard 60 for mounting on foundation or planted section | with one or two-sided light emission; variants for TC-DEL: with Siteco® High Louvre System for directional and glare-reduced light effect; variants for HIT-TC-CE: with Siteco® High Prismatic Effect System for extreme wide light distribution; with inner frosted cover | with ECG | aluminium housing, solid base with integrated gear tray; powder-coated in Siteco® metallic grey (DB 7025); cover of impact-resistant PC



Protection rating: IP65
 Insulation class: II
 (luminaire including pre-assembled cable)

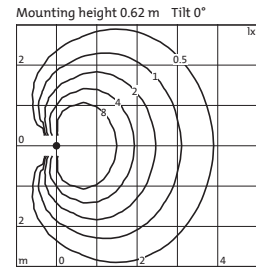
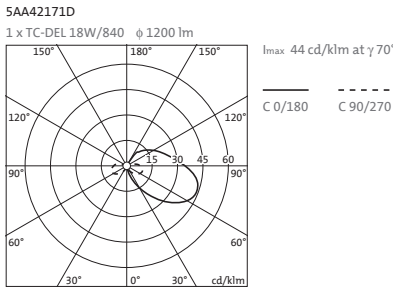


Lamps	Socket		Wt. (kg)	Order No.
Light emission single-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	10.1	5AA42171K
1x TC-DEL 18W	G24q-2	IK10	10.8	5AA42171D
Light emission 2-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	10.0	5AA42172K
1x TC-DEL 18W	G24q-2	IK10	10.6	5AA42172D

- please order junction box separately
 - please order planted section separately if required

Mandatory accessories (for details see page 10.55)

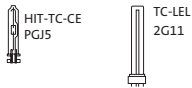
Article	Wt. (kg)	Order No.
junction box	0.3	5NY70005XK



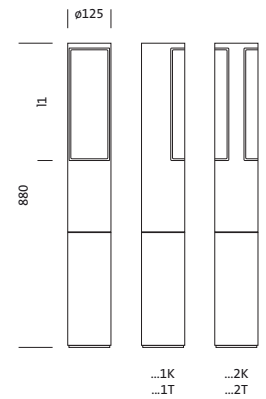


CL Bollard 90

CL Bollard 90 for mounting on foundation or planted section | with one or two-sided light emission, with inner frosted cover; variants for TC-DEL: with Siteco® High Louvre System for directional and glare-reduced light effect; variants for HIT-TC-CE: with Siteco® High Prismatic Effect System for extreme wide light distribution | with ECG | aluminium housing, solid base with integrated gear tray; powder-coated in Siteco® metallic grey (DB 7025); cover of impact-resistant PC



Protection rating: IP65
 Insulation class: II
 (luminaire including pre-assembled cable)



	11
5AA4317.K	134
5AA4317.T	340



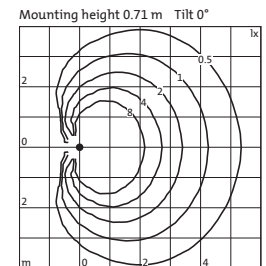
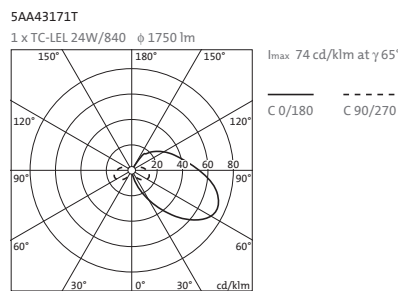
Lamps	Socket		Wt. (kg)	Order No.
Light emission single-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	11.4	5AA43171K
1x TC-LEL 24W	2G11	IK09	11.8	5AA43171T

Light emission 2-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	11.4	5AA43172K
1x TC-LEL 24W	2G11	IK09	12.4	5AA43172T

- please order junction box separately
- please order planted section separately if required

Mandatory accessories (for details see page 10.55)

Article	Wt. (kg)	Order No.
junction box	0.3	5NY7005XK

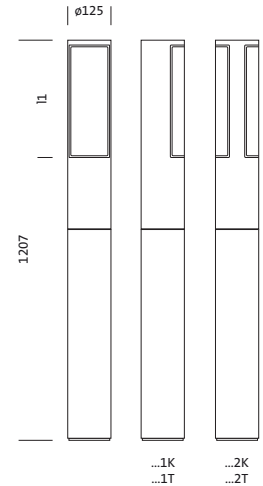




CL Bollard 120

CL Bollard 120 for mounting on foundation or planted section | with one or two-sided light emission, with inner frosted cover; variants for TC-DEL: with Siteco® High Louvre System for directional and glare-reduced light effect; variants for HIT-TC-CE: with Siteco® High Prismatic Effect System for extreme wide light distribution | with ECG | aluminium housing, solid base with integrated gear tray; powder-coated in Siteco® metallic grey (DB 7025); cover of impact-resistant PC

Protection rating: IP65
 Insulation class: II
 (luminaire including pre-assembled cable)



	II
5AA4417.K	134
5AA4417.T	340



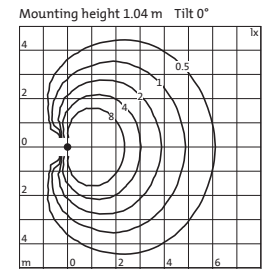
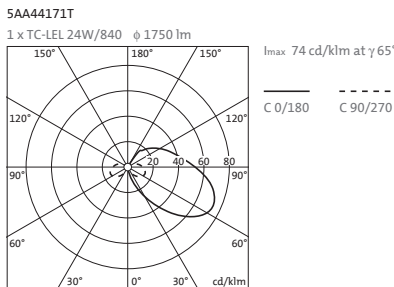
Lamps	Socket		Wt. (kg)	Order No.
Light emission single-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	17.2	5AA44171K
1x TC-LEL 24W	2G11	IK09	17.1	5AA44171T

Light emission 2-sided				
1x HIT-TC-CE 20W	PGJ5	IK10	16.6	5AA44172K
1x TC-LEL 24W	2G11	IK09	17.7	5AA44172T

- please order junction box separately
 - please order planted section separately if required

Mandatory accessories (for details see page 10.55)

Article	Wt. (kg)	Order No.
junction box	0.3	5NY70005XK



CL Bollard 30 | ... 60 | ... 90 | ... 120 Mounting Accessories
**Planted section**

for safe anchorage of bollard luminaire in various grounds | planted sections of steel, galvanised | with suitable aperture ring for fixing luminaire

Type	d x h (mm)	Order No.
Planted section for CL Bollard 30/60	150 x 250	5AA40007X
Planted section for CL Bollard 90/120	150 x 500	5AA40006X

CL Bollard 30 | ... 60 | ... 90 | ... 120 Electrical Accessories
Junction box (not shown)

for 1 or 2 feeder cables to 4 x 10mm² or 3 cables to 4 x 6mm² | with one D01 fuse base with E14 screw cap | housing of PC | IP43 | insulation class II

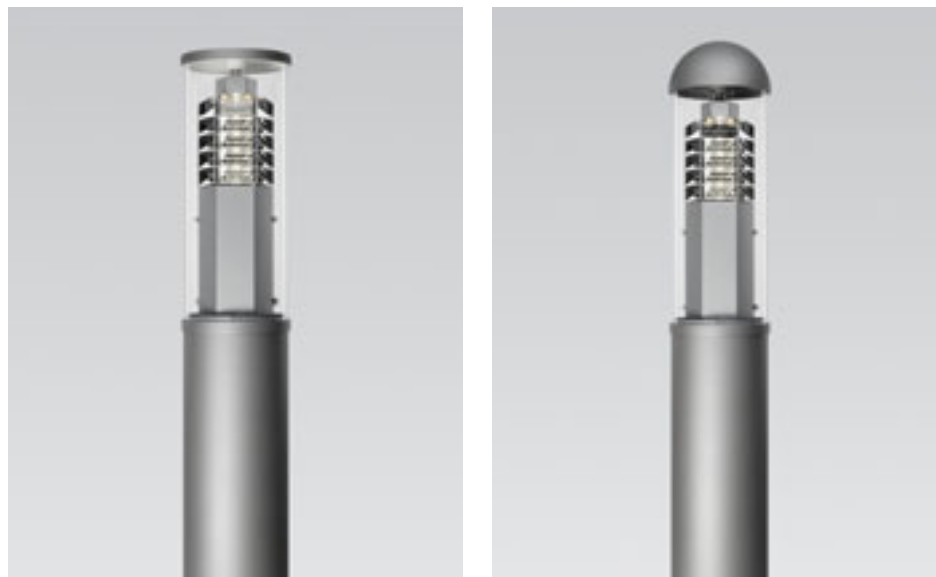
Type	Order No.
Junction box	5NY70005XX



CITY-LIGHT Bollard/Pillar LED

The LED bollard and pillar luminaires of the CITY-LIGHT family can adapt to a wide variety of lighting tasks. With intelligently graded construction sizes and a modern design they blend harmoniously with their architectural surroundings.

- + diverse application areas due to timeless design
- + vandal protected with solid, robust construction
- + modular construction for simplified spare parts availability; electrical insert identical to post-top luminaires of CITY-LIGHT, LANTERN and MUSHROOM LUMINAIRE families
- + extremely weather-resistant coating in Siteco® metallic grey (DB 7025)
- + shielding on building side; emission range 180°
- + CITY-LIGHT 260 D light pillar: secondary light emission aperture for illumination of ground area



With the LED versions of this luminaire family the classic electrical insert has been replaced by the LED Module 520 especially developed by Siteco for this purpose. The modular construction ensures that forthcoming, more modern LED generations with higher performance levels can be upgraded later with ease.

The glare-free, directed light distribution is achieved via a precisely matched combination of high performance LEDs, optical lens systems, highly specular reflectors and transparent luminaire enclosures. The LED Module 520 has symmetric or asymmetric light distribution and is available either with warm white or neutral white colour temperature.

The LED Module 520 is equipped with microprocessor-controlled LED operating electronics. This makes available a series of functions.

These have been combined into three performance packages: Basic, Plus and Premium.

All make use of the outstanding property of LED light sources in reducing luminous flux without loss. These values are either factory-set (Basic package), can be individually set with the Siteco® Service Box (Plus package) or centrally set via Siteco® Light Control (Premium package). The Plus and Premium versions offer the widest spectrum of efficient control of LED luminaires according to requirements.

Most optical components and electrical inserts and the LED Module 520 for this luminaire family can be interchanged and are identical to components of the lantern-design town and park luminaires enabling outstanding availability of replacement parts and the rapid, maintenance-friendly exchange of components for greater flexibility for design.



Detailed information about intelligent control of Siteco luminaires can be found in **Section 8**



Versions for conventional lamps are specified from **Page 72**



Housing

Luminaire housing of extruded aluminium, with inspection door; glass-fibre reinforced polyester canopy element; housing and canopy with weather-resistant surface-coating in Siteco metallic grey (DB 702S) | secured, detachable upper luminaire parts | transparent cover of impact-resistant, UV-stabilised PMMA | mounting on foundation or planted section | protection rating: IP54 | insulation class: II

Electrics

Housing with with inspection door, equipped with mounting bracket for cable junction box

Basic performance package:

LED module with 3-pole connection terminal, max. 2.5mm² (2-pole for mains supply + 1-pole for 230V control voltage for power reduction) | control signal: $U_{St}= 230V \rightarrow 100\%$ luminous flux; $U_{St}= 0V \rightarrow$ approx. 50% luminous flux

Plus performance package:

LED module with 5-pole connection terminal, max. 2.5mm² (2-pole for mains supply + 1-pole for 230V control voltage for power reduction + 2-pole for Siteco® Digital Interface (SDI) | SDI for parameterising the luminaire with Siteco® Service Box (with integration of luminaire into digital control system on request) | alternative luminous flux reduction via 230V control voltage

Premium performance package:

LED module with 2-pole connection terminal, max. 2,5mm² (control and monitoring of the luminaire from a central control point without supplementary control wires; data transmission according to standard LON protocol)

Lighting technology

Versions with LED Module 520 with transparent cover: glare-free, directed light distribution via a precisely matched combination of high performance LEDs, either with warm white or neutral white colour temperature, optimal lens system with spreader, highly specular reflector and transparent luminaire cover:

- symmetric light distribution
- asymmetric light distribution without light spill to the rear

CITY-LIGHT 260 D pillar with lamellae reflector for secondary light emission illuminating the ground area.

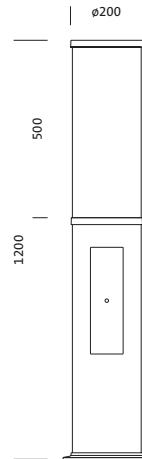




CITY-LIGHT 120 LED | bollard | symmetric distribution

CITY-LIGHT 120 LED bollard for mounting on foundation or planted section | with white LED, symmetric distribution; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA

Protection rating: IP54
Insulation class: II



* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy |
Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{req} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	47	47	16	10.8	5XA52817NS28
1x LED module ww	47	47	16	10.8	5XA52817WS28
with Module 520 Plus					
1x LED module nw	34	47	16	10.8	5XA52818NS28
1x LED module ww	34	47	16	10.8	5XA52818WS28
with Module 520 Premium, with luminaire controller					
1x LED module nw	34	47	16	11.1	5XA52819NS28
1x LED module ww	34	47	16	11.1	5XA52819WS28

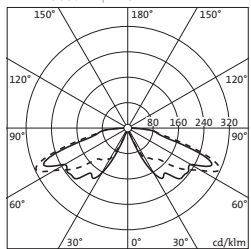
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, bollard, L= 1 m, for Plus version	1.0	5EA6Y00L05
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

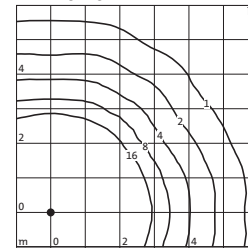
5XA52817WS28

1 x LED 3000K ϕ N 1842 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: G2

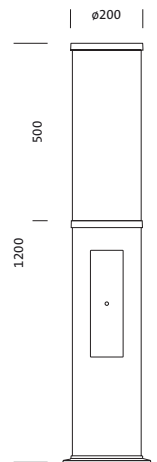
Mounting height 1 m Tilt 0°





CITY-LIGHT 120 LED | bollard | asymmetric distribution

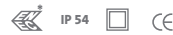
CITY-LIGHT 120 LED bollard for mounting on foundation or planted section | with white LED, asymmetric distribution, without light spill to the rear; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA



Protection rating: IP54
Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{red} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	38	38	13	10.8	5XA52817NA28
1x LED module ww	38	38	13	10.8	5XA52817WA28
with Module 520 Plus					
1x LED module nw	27	38	13	10.8	5XA52818NA28
1x LED module ww	27	38	13	10.8	5XA52818WA28
with Module 520 Premium, with luminaire controller					
1x LED module nw	27	38	13	11.1	5XA52819NA28
1x LED module ww	27	38	13	11.1	5XA52819WA28

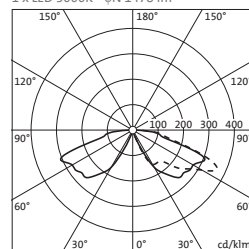
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, bollard, L= 1 m, for Plus version	1.0	5EA6Y00L05
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

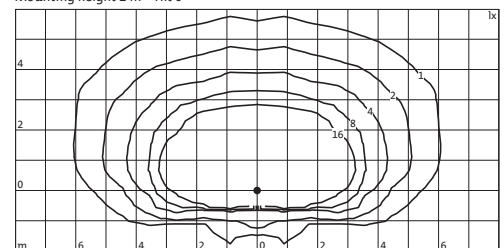
5XA52817WA28

1 x LED 3000K ϕ N 1478 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: ---

Mounting height 1 m Tilt 0°

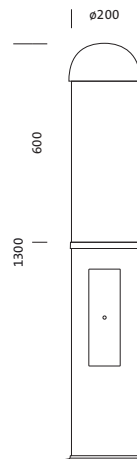




CITY-LIGHT 120 E LED | bollard | symmetric distribution

CITY-LIGHT 120 E LED bollard for mounting on foundation or planted section | with white LED, symmetric distribution; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA

Protection rating: IP54
Insulation class: II



* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy | Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{req} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	47	47	16	10.9	5XA52817NS58
1x LED module ww	47	47	16	10.9	5XA52817WS58
with Module 520 Plus					
1x LED module nw	34	47	16	10.9	5XA52818NS58
1x LED module ww	34	47	16	10.9	5XA52818WS58
with Module 520 Premium, with luminaire controller					
1x LED module nw	34	47	16	11.2	5XA52819NS58
1x LED module ww	34	47	16	11.2	5XA52819WS58

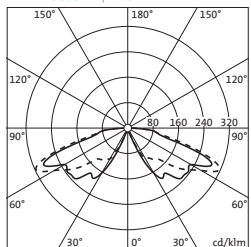
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, bollard, L= 1 m, for Plus version	1.0	5EA6Y00L05
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

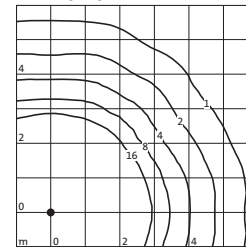
5XA52817WS58

1 x LED 3000K φN 1842 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: G2

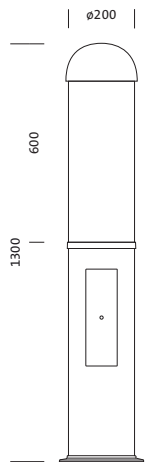
Mounting height 1 m Tilt 0°





CITY-LIGHT 120 E LED | bollard | asymmetric distribution

CITY-LIGHT 120 E LED bollard for mounting on foundation or planted section | with white LED, asymmetric distribution, without light spill to the rear; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA



Protection rating: IP54

Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
 Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy |
 Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
 Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{red} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	38	38	13	10.9	5XA52817NA58
1x LED module ww	38	38	13	10.9	5XA52817WA58
with Module 520 Plus					
1x LED module nw	27	38	13	10.9	5XA52818NA58
1x LED module ww	27	38	13	10.9	5XA52818WA58
with Module 520 Premium, with luminaire controller					
1x LED module nw	27	38	13	11.2	5XA52819NA58
1x LED module ww	27	38	13	11.2	5XA52819WA58

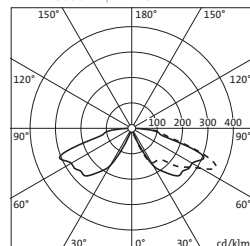
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, bollard, L= 1 m, for Plus version	1.0	5EA6Y00L05
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

5XA52817WA58

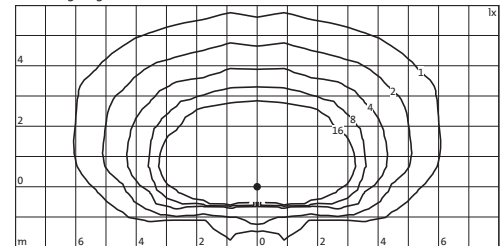
1 x LED 3000K φN 1478 lm



— C 0/180
 - - - C 90/270

Luminous intensity class according to EN13201-2: ---

Mounting height 1 m Tilt 0°





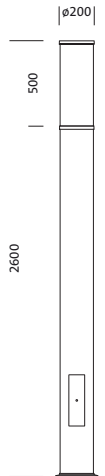
CITY-LIGHT 260 LED | pillar | symmetric distribution

CITY-LIGHT 260 LED pillar for mounting on foundation or planted section | with white LED, symmetric distribution; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA

Protection rating: IP54
Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy | Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{req} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	47	47	16	20.9	5XA52917NS28
1x LED module ww	47	47	16	20.9	5XA52917WS28
with Module 520 Plus					
1x LED module nw	34	47	16	20.9	5XA52918NS28
1x LED module ww	34	47	16	20.9	5XA52918WS28
with Module 520 Premium, with luminaire controller					
1x LED module nw	34	47	16	21.2	5XA52919NS28
1x LED module ww	34	47	16	21.2	5XA52919WS28

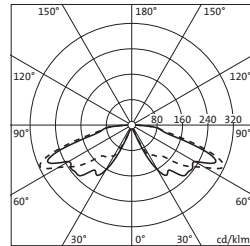
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, pillar, L= 2 m, for Plus version	1.0	5EA6Y00L06
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

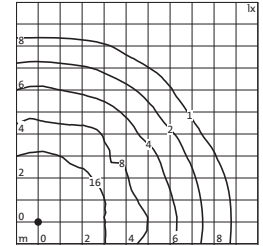
5XA52917WS28

1 x LED 3000K φN 1842 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: G2

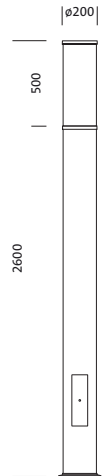
Mounting height 2.35 m Tilt 0°





CITY-LIGHT 260 LED | pillar | asymmetric distribution

CITY-LIGHT 260 LED pillar for mounting on foundation or planted section | with white LED, asymmetric distribution, without light spill to the rear; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA



Protection rating: IP54
Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy | Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{red} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	38	38	13	20.9	5XA52917NA28
1x LED module ww	38	38	13	20.9	5XA52917WA28
with Module 520 Plus					
1x LED module nw	27	38	13	20.9	5XA52918NA28
1x LED module ww	27	38	13	20.9	5XA52918WA28
with Module 520 Premium, with luminaire controller					
1x LED module nw	27	38	13	21.2	5XA52919NA28
1x LED module ww	27	38	13	21.2	5XA52919WA28

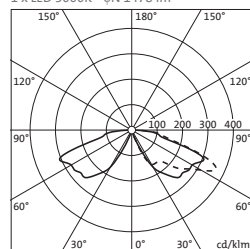
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, pillar, L= 2 m, for Plus version	1.0	5EA6Y00L06
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

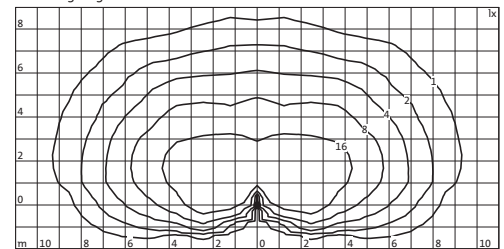
5XA52917WA28

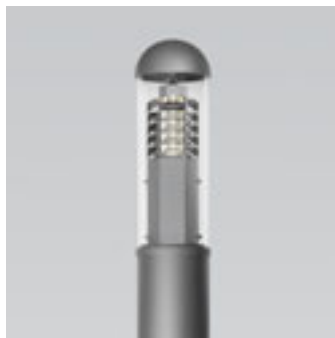
1 x LED 3000K ϕ N 1478 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: ---

Mounting height 2.35 m Tilt 0°





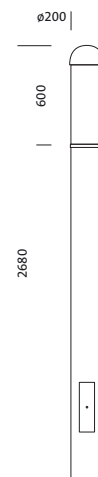
CITY-LIGHT 260 E LED | pillar | symmetric distribution

CITY-LIGHT 260 E LED pillar for mounting on foundation or planted section | with white LED, symmetric distribution; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA

Protection rating: IP54
Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy | Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



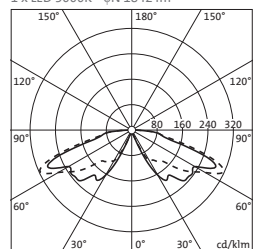
Lamps	P _{nom} begin service life	P _{nom} end service life	P _{req} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	47	47	16	19.6	5XA52917NS58
1x LED module ww	47	47	16	19.6	5XA52917WS58
with Module 520 Plus					
1x LED module nw	34	47	16	19.6	5XA52918NS58
1x LED module ww	34	47	16	19.6	5XA52918WS58
with Module 520 Premium, with luminaire controller					
1x LED module nw	34	47	16	19.9	5XA52919NS58
1x LED module ww	34	47	16	19.9	5XA52919WS58

- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

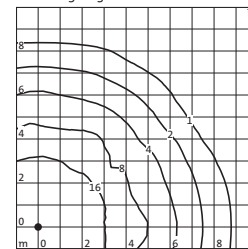
Article	Wt. (kg)	Order No.
cable set, pillar, L= 2 m, for Plus version	1.0	5EA6Y00L06
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

5XA52917WS58
1 x LED 3000K ϕ N 1842 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: G2

Mounting height 2.35 m Tilt 0°





CITY-LIGHT 260 E LED | pillar | asymmetric distribution

CITY-LIGHT 260 E LED pillar for mounting on foundation or planted section | with white LED, asymmetric distribution; with light dispersing element (spreader) for luminance reduction; with transparent cover | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring* | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA

Protection rating: IP54
Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy | Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{red} at 50% lumin. flux	Wt. (kg)	Order No.
with Module 520 Basic					
1x LED module nw	38	38	13	19.6	5XA52917NA58
1x LED module ww	38	38	13	19.6	5XA52917WA58
with Module 520 Plus					
1x LED module nw	27	38	13	19.6	5XA52918NA58
1x LED module ww	27	38	13	19.6	5XA52918WA58
with Module 520 Premium, with luminaire controller					
1x LED module nw	27	38	13	19.9	5XA52919NA58
1x LED module ww	27	38	13	19.9	5XA52919WA58

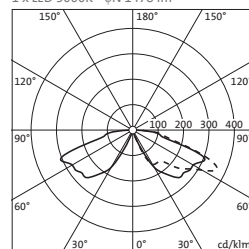
- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, pillar, L= 2 m, for Plus version	1.0	5EA6Y00L06
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK

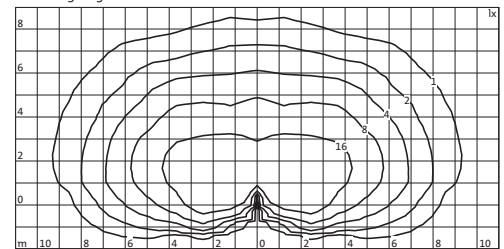
5XA52917WA58

1 x LED 3000K φN 1478 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: ---

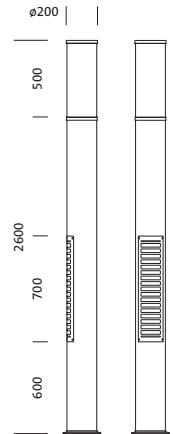
Mounting height 2.35 m Tilt 0°





CITY-LIGHT 260 D LED | pillar | symmetric distribution, with supplementary light emission near to ground

CITY-LIGHT 260 D LED pillar for mounting on foundation or planted section | with white LED, symmetric distribution; with light dispersing element (spreader) for luminance reduction; with transparent cover; with secondary light emission via opal cover near to ground | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring*; secondary light emission with ECG | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA



Protection rating: IP54

Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
 Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy |
 Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
 Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire

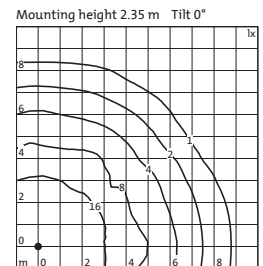
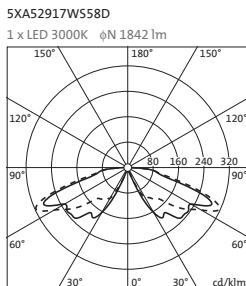


Lamps	P _{nom} begin service life	P _{nom} end service life	P _{red} at 50% lumin. flux	Lamps 2	Socket 2	Wt. (kg)	Order No.
with Module 520 Basic							
1x LED module nw	47	47	16	1x TC-LEL 40W	2G11	22.7	5XA52917NS58D
1x LED module ww	47	47	16	1x TC-LEL 40W	2G11	22.7	5XA52917WS58D
with Module 520 Plus							
1x LED module nw	34	47	16	1x TC-LEL 40W	2G11	22.7	5XA52918NS58D
1x LED module ww	34	47	16	1x TC-LEL 40W	2G11	22.7	5XA52918WS58D
with Module 520 Premium, with luminaire controller							
1x LED module nw	34	47	16	1x TC-LEL 40W	2G11	23.0	5XA52919NS58D
1x LED module ww	34	47	16	1x TC-LEL 40W	2G11	23.0	5XA52919WS58D

- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

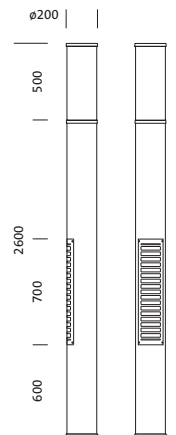
Article	Wt. (kg)	Order No.
cable set, pillar, L= 2 m, for Plus version	1.0	5EA6Y00L06
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK





CITY-LIGHT 260 D LED | pillar | asymmetric distribution, with supplementary light emission near to ground

CITY-LIGHT 260 D LED pillar for mounting on foundation or planted section | with white LED, asymmetric distribution, without light spill to the rear; with light dispersing element (spreader) for luminance reduction; with transparent cover; with secondary light emission via opal cover near to ground | microprocessor-controlled LED operating electronics; according to version with differing control function for lighting management and monitoring*; secondary light emission with ECG | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA



Protection rating: IP54
Insulation class: II

* all versions with temperature monitoring for protection of LEDs from thermal overload
Basic version: with luminous flux reduction via 230V control voltage | no luminous flux constancy |
Plus version: with luminous flux constancy over complete service life | with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for max. operation and for both reduction levels | all parameters settable via Service Box | on request: can be integrated via SDI into existing digital control systems and controlled from a central control point | alternative luminous flux reduction via 230V control voltage
Premium version: functional range as with Plus version, but for individual monitoring and control of the luminaire from a central control point from any distance via LON-PowerLine without supplementary control wire (instead of SDI)

Luminaire can be operated with factory pre-setting. The pre-setting with the Plus and Premium versions can be modified with the mounted and dismantled luminaire



Lamps	P _{nom} begin service life	P _{nom} end service life	P _{red} at 50% lumin. flux	Lamps 2	Socket 2	Wt. (kg)	Order No.
with Module 520 Basic							
1x LED module nw	38	38	13	1x TC-LEL 40W	2G11	22.7	5XA52917NA58D
1x LED module ww	38	38	13	1x TC-LEL 40W	2G11	22.7	5XA52917WA58D

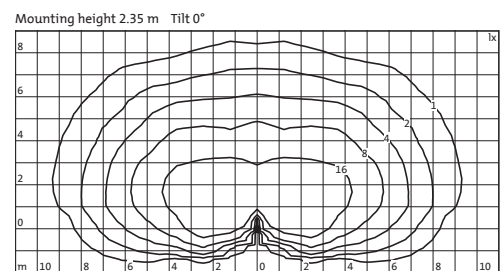
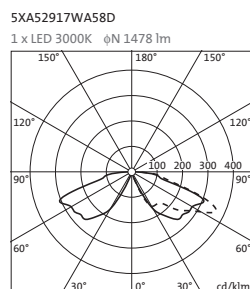
with Module 520 Plus							
1x LED module nw	27	38	13	1x TC-LEL 40W	2G11	22.7	5XA52918NA58D
1x LED module ww	27	38	13	1x TC-LEL 40W	2G11	22.7	5XA52918WA58D

with Module 520 Premium, with luminaire controller							
1x LED module nw	27	38	13	1x TC-LEL 40W	2G11	23.0	5XA52919NA58D
1x LED module ww	27	38	13	1x TC-LEL 40W	2G11	23.0	5XA52919WA58D

- please order the 'bollard cable set' separately for configuration of the LED module with the installed luminaire
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.68)

Article	Wt. (kg)	Order No.
cable set, pillar, L= 2 m, for Plus version	1.0	5EA6Y00L06
Siteco® Servicebox, for Plus version	2.4	5EA6TEF01
junction box	0.5	5NY70012XK



Siteco® Service Box Electronic Accessories



Siteco® Service Box

for parameterising the operating electronics of all Siteco LED 'Plus' version road luminaires | maximum energy efficiency via individual adaptation of lighting level, switching time and reduction level | setting of static colours and dynamic colour sequences with corresponding luminaires | Service Box includes software* | with plug-in coupling for connection of Y-cable | housing of plastic; plug-in coupling with protection cap IP54 | insulation class II

Type	Wt. (kg)	Order No.
Siteco® Service Box	2.4	5EA6TEF01

* incl. Y-cable for looping the Service Box into luminaire supply cable | incl. 'workshop' cable set for parameterising the unmounted luminaire in the workshop; safety plug on one end
* adoption of complete colour sequences and software updates possible via PC | incl. mini USB interface for connection to PC



Siteco® Architainment Suite

pre-installed on Siteco® Service Box; can be downloaded for free via the following link:

www.siteco.de → Service → Download → Software → PC-Tools → Architainment Suite

CITY-LIGHT 120 LED | ... 260 LED Electrical Accessories

Mast cable set

for wiring of junction box in mast to LED Module 520 (Plus version) in the mounted luminaire | with 5-pole plug-in coupling for integration of Siteco® Service Box, for manual parameterisation of luminaire (e.g. luminous flux, timer etc.)

Type	Order No.
Cable set, for LED Module, Plus version	
Bollard cable set, l= 1.0m	5EA6Y00L05
Pillar cable set, l= 2.0m	5EA6Y00L06

Junction box

for 2 feeder cables to 5x 16mm² or 3 cables to 5x 10mm² | two D01 fuse bases with E14 screw caps | plastic housing IP44 | insulation class II

Type	Order No.
Junction box, terminals L1, L2, L3, N, PE(N)	5NY70012XK

* for further versions (connection possibilities, fusing, protection rating) please see the accessories section



Detailed information about intelligent control of Siteco luminaires can be found in **Section 8**

CITY-LIGHT 120 LED | ... 260 LED Mounting Accessories
**Planted section**

for safe anchorage of bollard or pillar in foundation or concentrated ground | planted section of steel, galvanised | with suitable aperture ring for fixing luminaire

Dimensions: $d_a \times h = 255 \times 485\text{mm}$

Type

Planted section
for CITY-LIGHT 120 LED | ... 260 LED

Order No.

5NA52800BF

CITY-LIGHT 120 LED | ... 260 LED Spare Parts
**Optical enclosure**

klar | PMMA
transparent | PMMA
(LED modules feature best luminaire efficiency with transparent cover)

Type

Cover, transparent

Wt. (kg)

1.4

Order No.

5NA54900XG



CITY-LIGHT

The bollard and pillar luminaires of the CITY-LIGHT family can adapt to a wide variety of lighting tasks: with various, high-output lamp possibilities and optics they are able to create sophisticated lighting effects. With intelligently graded construction sizes and a modern design they blend harmoniously with their architectural surroundings.

As the most efficient and modern version an LED variation for the CITY-LIGHT bollard and pillar luminaires in construction sizes 120 and 260 is available.

The optical components as well as the electrical inserts and the LED Module 520 for the CITY-LIGHT bollards and pillar luminaires can be interchanged with the components of the town and park luminaire families CITY LIGHT, LANTERN and MUSHROOM LUMINAIRE thanks to outstanding availability of replacement parts and the rapid, maintenance-friendly exchange of individual components.

- + diverse application areas due to timeless design and various reflector versions
- + also with energy-efficient LED technology: CITY-LIGHT bollard 120 LED/ ...120 E LED and CITY-LIGHT pillar 260 LED/ ...E LED/ ...D LED
- + vandal protected with solid, robust construction
- + modular construction for simplified spare parts availability; electrical block identical with that of CITY LIGHT, LANTERN and MUSHROOM LUMINAIRE post-top luminaire families
- + extremely weather-resistant coating in Siteco® metallic grey (DB 702S)
- + two different covers: transparent or frosted
- + shielding on house side; shield for 180° light emission
- + CITY-LIGHT 260 D light pillar: secondary light emission aperture for illumination of ground area



Housing

Luminaire housing of extruded aluminium, with inspection door; glass-fibre reinforced polyester canopy element; housing and canopy with weather-resistant surface-coating in Siteco metallic grey (DB 702S) | secured, detachable upper luminaire parts | cover of impact-resistant, UV-stabilised PMMA, transparent or frosted | mounting on foundation or planted section | protection rating: IP54 | insulation class: II

Electrics

Housing with inspection door, equipped with mounting bracket for cable junction box | luminaire insert with 2-pole terminal (version with reducing circuit: 2-pole + 1-pole for 230V control wire), max. 2.5mm² | power reduction: $U_{s1}=230V \rightarrow 100\%$ luminous flux; $U_{s1}=0V \rightarrow 50\%$ luminous flux (with start in power reduction mode: 100% mode initially for approx. 6mins.)

Lighting technology

Open distribution luminaire with transparent or frosted enclosure | light distribution determined via shielding or fan-shaped reflectors:

- rotationally symmetrical wide distribution via fan-shaped reflector
- asymmetric wide distribution with shielding on building side
- rotationally symmetrical wide distribution with extremely reduced luminance in the horizontal plane via shield

CITY-LIGHT 260 D pillar with cross-blade louvre for secondary light emission to area near to ground.

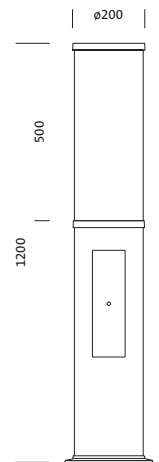


Versions of this luminaire with efficient LED technology are specified from [page 58](#)



CITY-LIGHT 120 | bollard

CITY-LIGHT 120 bollard for mounting on foundation or planted section | open distribution, with transparent or frosted cover according to version; symmetric wide distribution with light distribution directed downwards via fan-shaped reflector | with LLCG, power factor corrected, with power reduction* according to version | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA



Protection rating: IP54
Insulation class: II

* power reduction via 230V control voltage



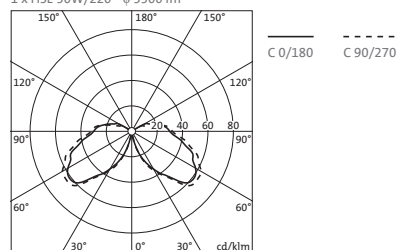
Lamps	Socket	Power reduction	Wt. (kg)	Order No.
PMMA, transparent				
1x HSE 50W ⁴⁾	E27		11.4	5NA528E1MS28
1x HSE 70W	E27	X	11.5	5NA528E1MR28
2x TC-LEL 18/24W	2G11		11.3	5LA52822KS28
PMMA, frosted				
1x HSE 50W ⁴⁾	E27		11.4	5NA528E1MS38
1x HSE 70W	E27	X	11.5	5NA528E1MR38
2x TC-LEL 18/24W	2G11		11.3	5LA52822KS38

4) control gear with 2x power tapping 50/70W
- please order fan-shaped reflector separately
- please order junction box separately
- please order planted section separately if required

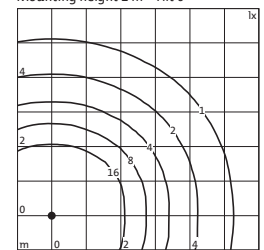
Accessories (for details see page 10.76)

Article	Wt. (kg)	Order No.
fan-shaped reflector, symmetric wide distribution	1.4	5NA52004XS
junction box	0.5	5NY70012XK

5NA528E1MS28 + 5NA52004XS
1 x HSE 50W/220 φ 3500 lm



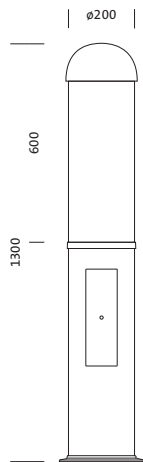
Mounting height 1 m Tilt 0°





CITY-LIGHT 120 E | bollard

CITY-LIGHT 120 E bollard for mounting on foundation or planted section | open distribution, with transparent or frosted cover according to version; symmetric wide distribution with light distribution directed downwards via fan-shaped reflector | with LLCG, power factor corrected, with power reduction* according to version | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA



Protection rating: IP54
 Insulation class: II
 (please see accessories section for junction box)

* power reduction via 230V control voltage



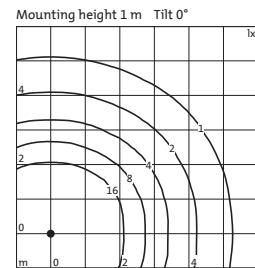
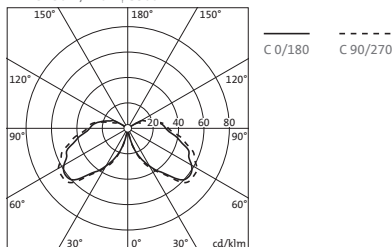
Lamps	Socket	Power reduction	Wt. (kg)	Order No.
PMMA, transparent				
1x HSE 50W ⁴⁾	E27		11.5	5NA528E1MS58
1x HSE 70W	E27	X	11.6	5NA528E1MR58
2x TC-LEL 18/24W	2G11		11.4	5LA52822KS58
PMMA, frosted				
1x HSE 50W ⁴⁾	E27		11.5	5NA528E1MS68
1x HSE 70W	E27	X	11.6	5NA528E1MR68
2x TC-LEL 18/24W	2G11		11.4	5LA52822KS68

4) control gear with 2x power tapping 50/70W
 - please order fan-shaped reflector separately
 - please order junction box separately
 - please order planted section separately if required

Accessories (for details see page 10.76)

Article	Wt. (kg)	Order No.
fan-shaped reflector, symmetric wide distribution	1.4	5NA52004XS
junction box	0.5	5NY70012XK

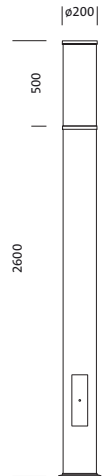
5NA528E1MS58 + 5NA52004XS
 1 x HSE 50W/220 φ 3500 lm





CITY-LIGHT 260 | pillar

CITY-LIGHT 260 pillar for mounting on foundation or planted section | open distribution, with transparent or frosted cover according to version; symmetric wide distribution via fan-shaped reflector or shield, asymmetric wide distribution (with reduced light emission to the rear) via fan-shaped reflector with shielding on building side; fan-shaped reflector with light distribution directed downwards | with LLCG, power factor corrected, with power reduction* according to version | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA



Protection rating: IP54

Insulation class: II

* power reduction via 230V control voltage



Lamps	Socket	Power reduction	Wt. (kg)	Order No.
PMMA, transparent				
1x HSE 50W ⁴⁾	E27		21.5	5NA529E1MS28
1x HSE 70W	E27	X	21.6	5NA529E1MR28
2x TC-LEL 18/24W	2G11		21.4	5LA52922KS28
PMMA, frosted				
1x HSE 50W ⁴⁾	E27		21.5	5NA529E1MS38
1x HSE 70W	E27	X	21.6	5NA529E1MR38
2x TC-LEL 18/24W	2G11		21.4	5LA52922KS38

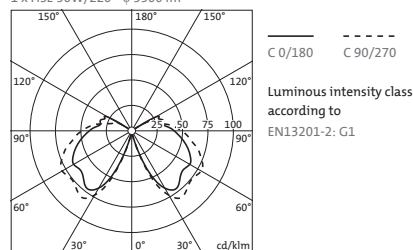
4) control gear with 2x power tapping 50/70W
 - please order fan-shaped reflector or shade separately
 - please order junction box separately
 - please order planted section separately if required

Accessories (for details see page 10.76)

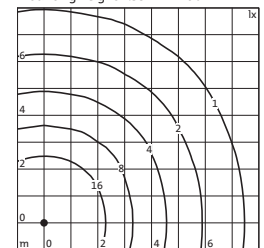
Article	Wt. (kg)	Order No.
fan-shaped reflector, rotationally symmetric wide distribution, for 1xHME HSE	0.6	5NA52000XS
fan-shaped reflector, asymmetric wide distribution, for 1xHME HSE	0.6	5NA52002XS
fan-shaped reflector, rotationally symmetric wide distribution, for 1/2xTC-LEL	0.9	5NA52005XS
fan-shaped reflector, asymmetric wide distribution, for 1/2xTC-LEL	0.9	5NA52005XS1
lamp shield, symmetric wide distribution, for 1xHME HSE	0.4	5NA52003XS
junction box	0.5	5NY70012XK

5NA529E1MS28 + 5NA52000XS

1 x HSE 50W/220 φ 3500 lm



Mounting height 2.35 m Tilt 0°





CITY-LIGHT 260 E | pillar

CITY-LIGHT 260 E pillar for mounting on foundation or planted section | open distribution, with transparent or frosted cover according to version; symmetric wide distribution via fan-shaped reflector or shield, asymmetric wide distribution (with reduced light emission to the rear) via fan-shaped reflector with shielding on building side; fan-shaped reflector with light distribution directed downwards | with LLCG, power factor corrected, with power reduction* according to version | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 7025); cover of PMMA



Protection rating: IP54

Insulation class: II

* power reduction via 230V control voltage



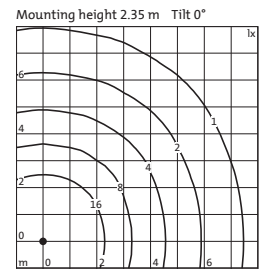
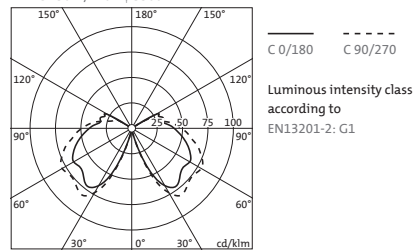
Lamps	Socket	Power reduction	Wt. (kg)	Order No.
PMMA, transparent				
1x HSE 50W ⁴⁾	E27		20.2	5NA529E1MS58
1x HSE 70W	E27	X	20.3	5NA529E1MR58
PMMA, frosted				
1x HSE 50W ⁴⁾	E27		20.2	5NA529E1MS68
1x HSE 70W	E27	X	20.3	5NA529E1MR68

- 4) control gear with 2x power tapping 50/70W
- please order fan-shaped reflector or shade separately
- please order junction box separately
- please order planted section separately if required

Accessories (for details see page 10.76)

Article	Wt. (kg)	Order No.
fan-shaped reflector, rotationally symmetric wide distribution, for 1xHME HSE	0.6	5NA52000XS
fan-shaped reflector, asymmetric wide distribution, for 1xHME HSE	0.6	5NA52002XS
fan-shaped reflector, rotationally symmetric wide distribution, for 1/2xTC-LEL	0.9	5NA52005XS
fan-shaped reflector, asymmetric wide distribution, for 1/2xTC-LEL	0.9	5NA52005XS1
lamp shield, symmetric wide distribution, for 1xHME HSE	0.4	5NA52003XS
junction box	0.5	5NY70012XK

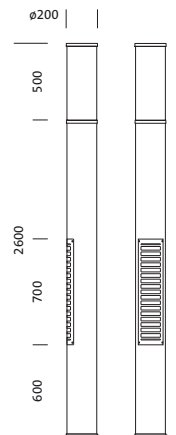
5NA529E1MS58 + 5NA52000XS
1 x HSE 50W/220 φ 3500 lm





CITY-LIGHT 260 D | pillar | with supplementary light emission near to ground

CITY-LIGHT 260 D pillar for mounting on foundation or planted section | open distribution, with transparent or frosted cover according to version; symmetric wide distribution via fan-shaped reflector or shield, asymmetric wide distribution (with reduced light emission to the rear) via fan-shaped reflector with shielding on building side; fan-shaped reflector with light distribution directed downwards; with secondary light emission via opal cover near to ground | with LLCG, power factor corrected, with power reduction* according to version; secondary light emission with ECG | aluminium housing; glass-fibre reinforced polyester canopy element; housing and canopy in Siteco® metallic grey (DB 702S); cover of PMMA



Protection rating: IP54

Insulation class: II

* power reduction via 230V control voltage



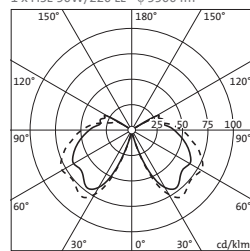
Lamps	Socket	Lamps 2	Socket 2	Power reduction	Wt. (kg)	Order No.
PMMA, frosted						
1x HSE 50W ⁴⁾	E27	1x TC-LEL 40W	2G11		23.3	5NA529E1MS28D
1x HSE 70W	E27	1x TC-LEL 40W	2G11	X	23.4	5NA529E1MR28D
2x TC-LEL 18/24W	2G11	1x TC-LEL 40W	2G11		23.2	5LA52922KS28D

- 4) control gear with 2x power tapping 50/70W
- please order fan-shaped reflector or shade separately
- please order junction box separately
- please order planted section separately if required

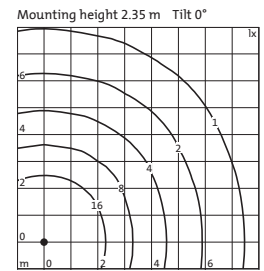
Accessories (for details see page 10.76)

Article	Wt. (kg)	Order No.
fan-shaped reflector, rotationally symmetric wide distribution, for 1xHME HSE	0.6	5NA52000XS
fan-shaped reflector, asymmetric wide distribution, for 1xHME HSE	0.6	5NA52002XS
fan-shaped reflector, rotationally symmetric wide distribution, for 1/2xTC-LEL	0.9	5NA52005XS
fan-shaped reflector, asymmetric wide distribution, for 1/2xTC-LEL	0.9	5NA52005XS1
lamp shield, symmetric wide distribution, for 1xHME HSE	0.4	5NA52003XS
junction box	0.5	5NY70012XK

5NA529E1MS28D + 5NA52000XS
1 x HSE 50W/220 LL ϕ 3500 lm



— C 0/180
- - - C 90/270
Luminous intensity class according to EN13201-2: G1



CITY-LIGHT 120 Optical Accessories

**Fan-shaped reflector**

for all lamp types (HSE, TC-LEL) | symmetric distribution | incl. anti-glare ring for covering control gear block



Type	Type	Order No.
Fan-shaped reflector, symmetric	F7	5NA52004XS

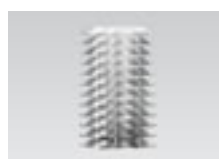
CITY-LIGHT 260 Optical Accessories

**Fan-shaped reflector**

for high pressure lamps (1x HSE 50/70/100W) | symmetric distribution, or asymmetric with shielding on building side | incl. anti-glare ring for covering control gear block



Type	Type	Wt. (kg)	Order No.
Fan-shaped reflector symmetric	F5	0.4	5NA52000XS
asymmetric (with shielding on building side)	F5H	0.4	5NA52002XS

**Fan-shaped reflector**

for compact fluorescent lamps (2x TC-LEL 18/24W) | symmetric distribution, or asymmetric with shielding on building side | incl. anti-glare ring for covering control gear block



Type	Type	Wt. (kg)	Order No.
Fan-shaped reflector symmetric	F6	0.4	5NA52005XS
asymmetric (with shielding on building side)	F6H	0.4	5NA52005XS1

**Lamp shield**

for high pressure lamps (1x HSE 50/70W) | symmetric distribution | incl. anti-glare ring for covering control gear block



Type	Type	Wt. (kg)	Order No.
Lamp shield	B3	0.1	5NA52003XS

CITY-LIGHT 260 Electrical Accessories

Junction box

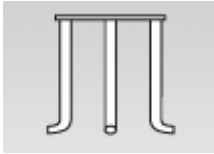
for 2 feeder cables to 5x 16mm² or 3 cables to 5x 10mm² | two D01 fuse bases with E14 screw caps | plastic housing
IP44 | insulation class II

Type	Order No.
Junction box, terminals L1, L2, L3, N, PE(N)	5NY70012XK

* for further versions (connection possibilities, fusing, protection rating) please see the accessories section



CITY-LIGHT 120 | ... 260 Mounting Accessories

**Planted section**

for safe anchorage of bollard or pillar in foundation or concentrated ground | planted section of steel, galvanised | with suitable aperture ring for fixing luminaire

Dimensions: $d_a \times h = 255 \times 485\text{mm}$

Type

Planted section
for CITY-LIGHT 120 | ...260

Order No.

5NA52800BF

CITY-LIGHT 120 | ... 260 Spare Parts

**Optical enclosure**

transparent or frosted | PMMA

Type

Cover, transparent

Wt. (kg)

1.4

Order No.

5NA54900XG

Cover, frosted

1.4

5NA54903XG

