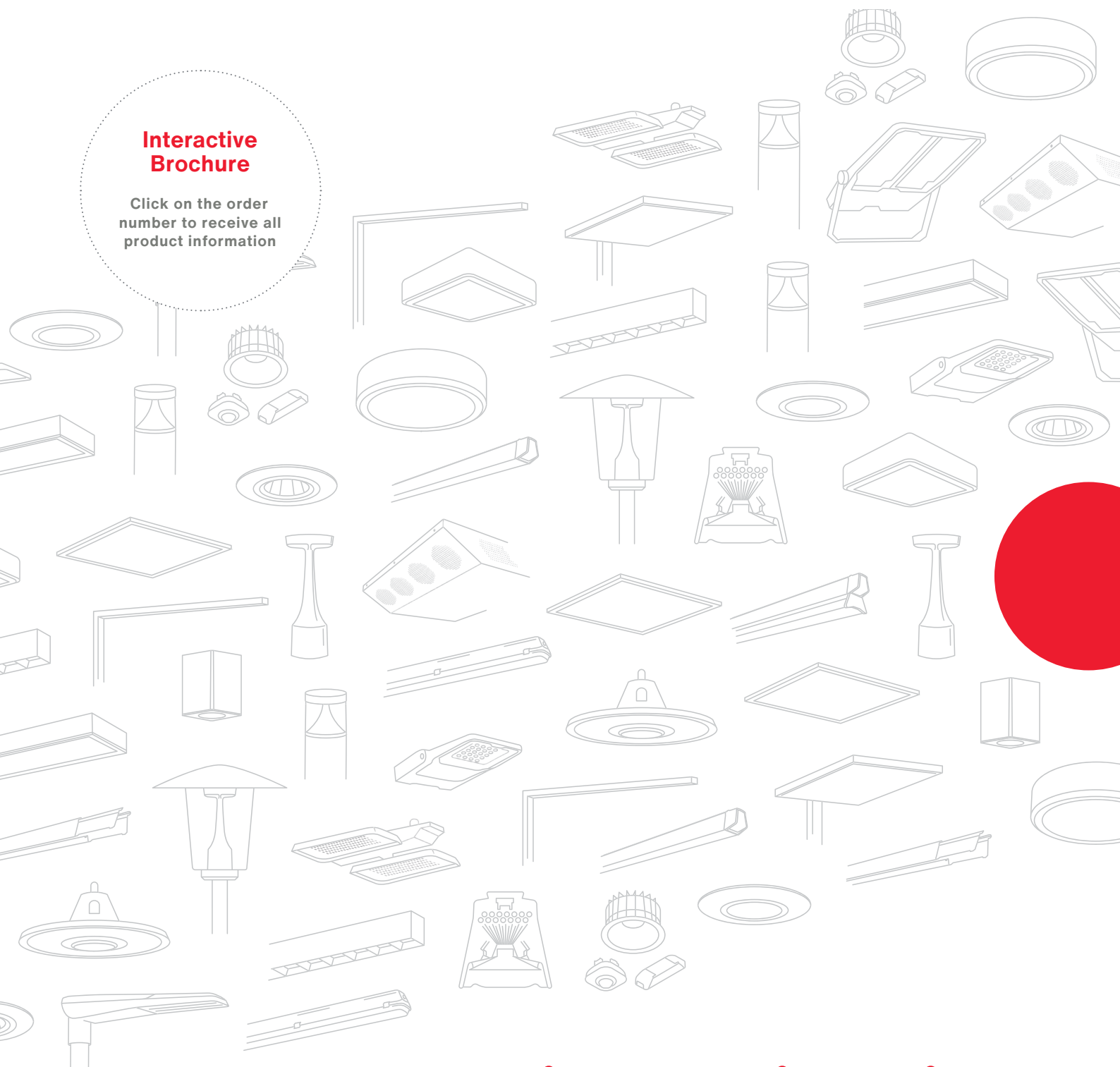


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Professional lighting
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High-performing, efficient, simply perfect.

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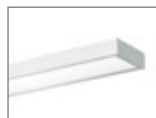
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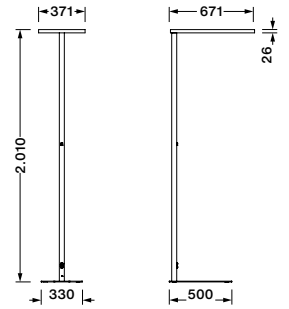
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Silica 21 Floor R

As flexible as modern work concepts.


- Ideal basis for a smart office due to flexible upgrade of the luminaire with intelligent sensor technology, e.g. for room data acquisition with open interface
- Very uniform and standard-compliant illumination of two workstations according to DIN EN 12464-1
- Creates a pleasant room atmosphere due to very wide ceiling illumination
- Swarm function provides pleasant ambient light if required
- Easy maintenance and expansion due to gear tray concept and access to electronics compartment





Silica 21 Floor R

- Microprismatic cover made of PMMA, direct/indirect distribution, symmetric, with ambient light- and presence sensor
- Luminaire head made of aluminum, supporting column made of aluminum, base made of steel, traffic white (RAL 9016) or metallic gray (RAL 9006), jet black (RAL 9005)
- Unassembled, connection cable pre-assembled, cable length: 3 m
- Protection rating: IP20
- Safety class: I
- Permissible ambient temperature: 0 ... +35 °C
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	 Kg	Order no.
Color white, RAL 9016						
4,000	> 80	15,000	106	141	15.0	51MX53SG4DW
Color metallic gray, RAL 9006						
4,000	> 80	15,000	106	141	15.1	51MX53SG4DS
Color jet black, RAL 9005						
4,000	> 80	15,000	106	141	15.1	51MX53SG4DB



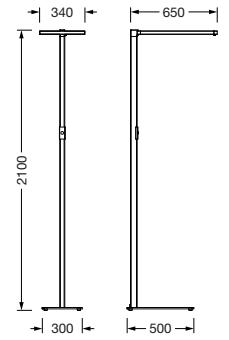
Details and further variants
for Silica 21 Floor R

Apollon 21 Floor

Best technology for an optimal working atmosphere.


- Very uniform illumination of desk workstations
- Very good glare control due to uniform light emission
- Daylight-dependent control for maximum energy saving





Apollon 21 Floor

- Prismatic diffuser made of PMMA, direct/indirect distribution, symmetric, with ambient light- and presence sensor, for daylight-dependent control
- Luminaire head made of aluminum, supporting column made of aluminum, base made of steel, traffic white (RAL 9016) or metallic gray
- Unassembled, connection cable pre-assembled, cable length: 1.5 m
- Protection rating: IP20
- Safety class: I
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W		Order no.
Color white, RAL 9016						
4,000	> 80	10,000	80	125	15.5	51MQ51WS6421W
Color metallic gray, RAL 9006						
4,000	> 80	10,000	80	125	15.5	51MQ51WS6421E



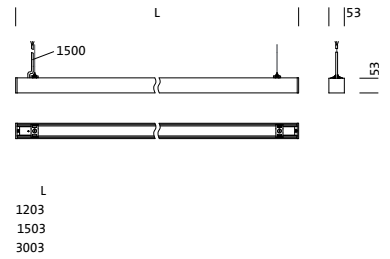
Details and further variants
for Apollon 21 Floor

Silica 21

Exactly your light.

- Maximum flexibility in application and suitable for all mounting situations due to modular design
- Ideal basis for a smart office due to flexible upgrade of the luminaire with intelligent sensor technology, e.g. for room data acquisition with open interface
- Sustainability due to easily replaceable components
- Individual project solutions thanks to modular design
- Available in colors traffic white (RAL 9016), jet black (RAL 9005) or metallic gray (RAL 9006)





Silica 21, office pendant luminaire

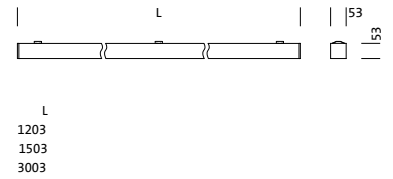
- With darklight reflector made of aluminum, black, VDU-compliant ($L \leq 3,000 \text{ cd/m}^2$), or prismatic diffuser made of PMMA, VDU-compliant ($L \leq 3,000 \text{ cd/m}^2$), direct/indirect distribution, symmetric
- Includes connection cable, length: 1.5 m
- Luminaire housing made of aluminum, anodized, traffic white (RAL 9016)
- Protection rating: IP20
- Safety class: I
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	L [mm]	kg	Order no.
wide distribution, with darklight reflector								
4,000	> 80	7,290	49	149	DALI 2	1,203	3.0	51MX32DA47W
4,000	> 80	9,110	61	150	DALI 2	1,503	3.5	51MX32DB49W
4,000	> 80	18,230	121	150	DALI 2	3,003	5.5	51MX32DC4DW
extremely wide distribution, with prismatic diffuser								
4,000	> 80	5,910	58	130	DALI 2	1,203	3.0	51MX33DA47W
4,000	> 80	7,390	71	131	DALI 2	1,503	3.5	51MX33DB49W
4,000	> 80	14,780	106	140	DALI 2	3,003	5.5	51MX33DC4DW

Accessories	kg	Order no.
Pendant set, square canopy, white, length 1.2 m	1 pc. 0.3	59MX30DH20W
Pendant set, round canopy, white, length 1.2 m	1 pc. 0.3	59MX30DJ20W
Pendant set, square canopy, silver, length 1.2 m	1 pc. 0.3	59MX30DH20S
Pendant set, round canopy, silver, length 1.2 m	1 pc. 0.3	59MX30DJ20S
Mechanical continuous row connector, for pendant and surface-mounted luminaires	1 pc. 0.1	59MX700V40X
Through-wiring, length 1.2 m	1 pc. 0.2	59MX70DL10X
Through-wiring, length 1.5 m	1 pc. 0.2	59MX70DL20X
Through-wiring, length 3 m	1 pc. 0.4	59MX70DL30X



Details and further variants for Silica 21 pendant luminaire



Silica 21, office surface-mounted luminaire

- With darklight reflector made of aluminum, black, VDU-compliant ($L \leq 3,000 \text{ cd/m}^2$), or prismatic diffuser made of PMMA, VDU-compliant ($L \leq 3,000 \text{ cd/m}^2$), direct distribution, symmetric
- Luminaire housing made of aluminum, anodized, traffic white (RAL 9016)
- Protection rating: IP20
- Safety class: I
- Service life: 50,000 h (L85/B50) at $AT = 25 \text{ }^\circ\text{C}$
- Approval designation: CE

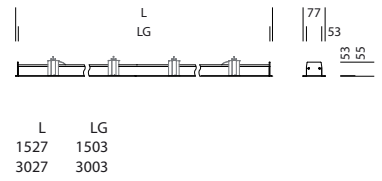
K	CRI	lm	W	lm/W	Control	$\frac{L}{[mm]}$	Kg	Order no.
wide distribution, with darklight reflector								
4,000	> 80	4,320	30	144	DALI 2	1,203	3.0	51MX22DA44W
4,000	> 80	5,400	37	146	DALI 2	1,503	3.5	51MX22DB45W
4,000	> 80	10,800	74	146	DALI 2	3,003	5.5	51MX22DC4AW
extremely wide distribution, with prismatic diffuser								
4,000	> 80	3,280	28	154	DALI 2	1,203	3.0	51MX23DA44W
4,000	> 80	4,100	42	120	DALI 2	1,503	3.5	51MX23DB45W
4,000	> 80	8,200	94	122	DALI 2	3,003	5.5	51MX23DC4AW

Accessories

		Kg	Order no.
Pendant set, square canopy, white, length 1.2 m	1 pc.	0.3	59MX30DH20W
Pendant set, round canopy, white, length 1.2 m	1 pc.	0.3	59MX30DJ20W
Pendant set, square canopy, silver, length 1.2 m	1 pc.	0.3	59MX30DH20S
Pendant set, round canopy, silver, length 1.2 m	1 pc.	0.3	59MX30DJ20S
Mechanical continuous row connector, for pendant and surface-mounted luminaires	1 pc.	0.1	59MX700V40X
Through-wiring, length 1.2 m	1 pc.	0.2	59MX70DL10X
Through-wiring, length 1.5 m	1 pc.	0.2	59MX70DL20X
Through-wiring, length 3 m	1 pc.	0.4	59MX70DL30X



Details and further variants
for Silica 21 surface-mounted luminaire



Silica 21, office recessed luminaire

- With darklight reflector made of aluminum, black, VDU-compliant ($L \leq 3,000 \text{ cd/m}^2$), or prismatic diffuser made of PMMA, VDU-compliant ($L \leq 3,000 \text{ cd/m}^2$), direct distribution, symmetric
- Luminaire housing made of aluminum, anodized, traffic white (RAL 9016)
- Protection rating: IP20
- Safety class: I
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	$\frac{L}{[\text{mm}]}$	Kg	Order no.
wide distribution, with darklight reflector, for ceiling cutout								
4,000	> 80	4,320	30	144	DALI 2	1,227	3.0	51MX12DA44W
4,000	> 80	5,400	37	146	DALI 2	1,527	3.5	51MX12DB45W
4,000	> 80	10,800	74	146	DALI 2	3,027	5.5	51MX12DC4AW

extremely wide distribution, with prismatic diffuser, for ceiling cutout								
4,000	> 80	3,280	27	121	DALI 2	1,227	3.0	51MX13DA44W
4,000	> 80	4,100	33	124	DALI 2	1,527	3.5	51MX13DB45W
4,000	> 80	8,200	67	122	DALI 2	3,027	5.5	51MX13DC4AW

Accessories		Kg	Order no.
Through-wiring, length 1.2 m	1 pc.	0.2	59MX70DL10X
Through-wiring, length 1.5 m	1 pc.	0.2	59MX70DL20X
Through-wiring, length 3 m	1 pc.	0.4	59MX70DL30X



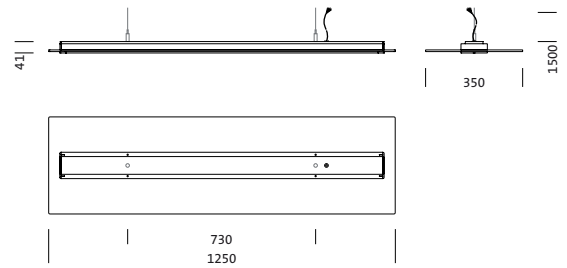
Details and further variants for Silica 21 recessed luminaire

Vega 11

It's simple: excellent light, excellent design.

- Purist appearance with an almost transparent design: height of prismatic plate only 6 mm, height of luminaire housing only 43 mm
- Outstanding lighting technology for very uniform light distribution with direct/indirect component for pleasant room atmosphere and good color rendering (CRI \geq 80)
- High quality appearance due to special vaporisation of the prismatic plate at the edges, aluminum housing and decorative specular strip








Vega 11, office luminaire with prismatic PMMA reflector

- Clear prismatic structure, VDU-compliant (L = 1,500 cd/m²), direct/indirect distribution, symmetric
- For suspended mounting, connection cable included, cable length: 1.5 m
- Rectangular luminaire housing, rounded, made of aluminum profile, anodized, metallic gray (RAL 9006),

- lower housing made of aluminum profile, anodized, metallic gray (RAL 9006) and of PC, gray
- Protection rating: IP20
- Safety class: I
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Order no.
<i>direct/indirect distribution, DALI</i>						
3,000	> 80	7,300	62	118	DALI	6.5 5MN238DLE003
4,000	> 80	8,130	62	131	DALI	7.3 5MN238DLE

Accessories		 Order no.
Single wire suspension, for luminaire, with canopy, white, round	1 pc.	0.1 5MN91202
Single wire suspension, for luminaire, with canopy, white, square	1 pc.	0.1 5MN91204
Single wire suspension, for luminaire	1 pc.	0.1 5MN91302



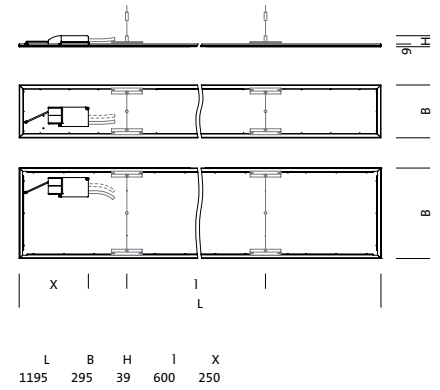
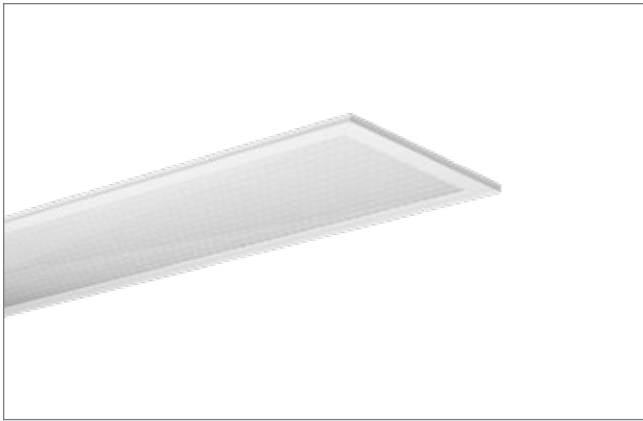
Details and further variants for Vega 11

Apollon 21/31/41

Flexible, efficient and attractive in offices and public buildings.

- Versatile luminaire range in different geometries and mounting variants for the complete office building
- Excellent quality of light, high efficiency and various control options
- Ideal lighting solution for offices, foyers, meeting rooms and general building areas
- Additional variants for special applications in IP54, CRI 90 or Tunable White





Apollon 21 Linear, office luminaire with microprismatic cover

- Cover made of PMMA, UGR ≤ 19, L = 3,000 cd/m², direct distribution, symmetric
- Housing made of aluminum, coated bright white, upper housing side made of sheet steel, galvanized
- Protection rating: IP20 (lamp compartment: IP50)
- Safety class: II
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE, ENEC

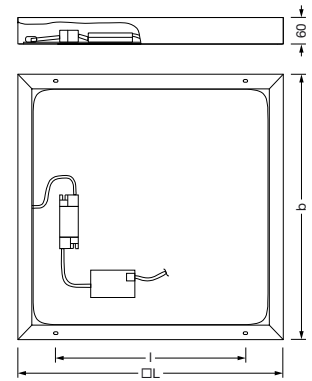
K	CRI	lm	W	lm/W	Control	L [mm]	B [mm]	Kg	Order no.
4,000	> 80	4,000	33	121	ON/OFF	1,195	295	2.9	51MQ18W72412
4,000	> 80	4,000	33	121	DALI 2	1,195	295	2.9	51MQ18WD2412

Accessories

		Kg	Order no.
Surface-mount housing (frame unmounted), white, for luminaire L × W = 1,195 × 295 mm	1 pc.	1.2	59MQ28004021
Recessing frame, for luminaire L × W = 1,195 × 295 mm	1 pc.	0.9	59MQ18005021
Mounting wire, L = 1,500 mm	1 pc.	0.1	59MQ91110
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for ON/OFF variant	2 pcs.	0.3	59MQ31000021
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for DALI 2 variant	2 pcs.	0.3	59MQ32000021
Rapid mounting bracket, for ceiling cut-outs	4 pc.	0.7	5MQ90040XC
Rotary dimmer, local control, for installation in switch box	1 pc.	0.1	5LZ902050TW




Details and further variants for Apollon 21 Linear





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Apollon 21 Square, office luminaire with microprismatic cover

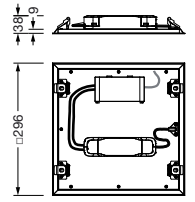
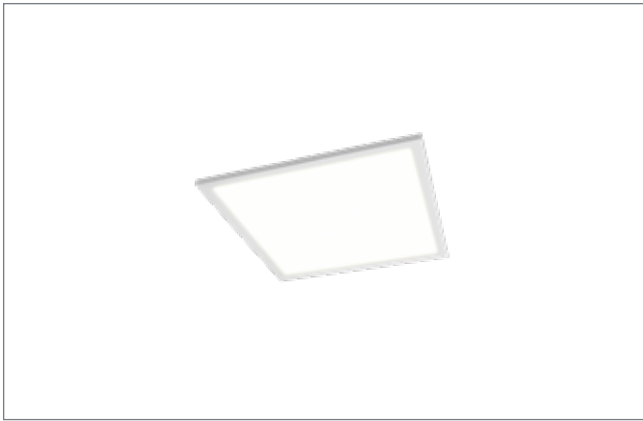
- Cover made of PMMA, UGR ≤ 19, L = 3,000 cd/m², direct distribution, symmetric
- Housing made of aluminum, coated traffic white (RAL 9016), upper housing side made of sheet steel, galvanized
- With connection box for through-wiring
- Protection rating: IP20 (lamp compartment: IP50 or IP54)
- Safety class: II
- Permissible ambient temperature: -20 ... +40°C
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE, ENEC

K	CRI	lm	W	lm/W	Control	 Kg	Order no.
IP20/IP50, module: M600							
2,700 ... 6,500	> 80	4,000	40	100	DALI DT8	5.5	51MQ12WD2T13
3,000	> 80	4,000	33	121	ON/OFF	3.0	51MQ12W72313
3,000	> 80	3,800	38	100	DALI 2	3.0	51MQ12WD2312
4,000	> 80	4,200	33	127	ON/OFF	3.0	51MQ12W72413
4,000	> 80	4,200	33	127	DALI 2	3.0	51MQ12WD2413
IP20/IP54, module: M600							
4,000	> 80	4,000	33	121	DALI 2	2.8	51MQ12WD2453

Accessories		 Kg	Order no.
Surface-mount housing, white, for luminaire M600	1 pc.	1.0	59MQ22004021
Surface-mount housing (pre-assembled frame), white, for luminaire M600	1 pc.	1.2	59MQ22005021
Ceiling recessing frame, white, for luminaire M600	1 pc.	0.7	59MQ12005021
Rapid mounting bracket, for ceiling cut-outs	4 pc.	0.7	5MQ90040XC
Mounting wire, L = 1,500 mm	1 pc.	0.1	59MQ91110
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for ON/OFF variant	2 pcs.	0.3	59MQ31000021
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for DALI 2 variant	2 pcs.	0.3	59MQ32000021




Details and further variants
for Apollon 21 Square





Apollon 21 Square, office luminaire with microprismatic cover

- Cover made of PMMA, UGR ≤ 19, L = 3,000 cd/m², direct distribution, symmetric
- Housing made of aluminum, coated bright white, upper housing side made of sheet steel, galvanized
- Protection rating: IP20 (lamp compartment: IP50)
- Safety class: II
- Permissible ambient temperature: -20 ... +40°C
- Service life: 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE, ENEC

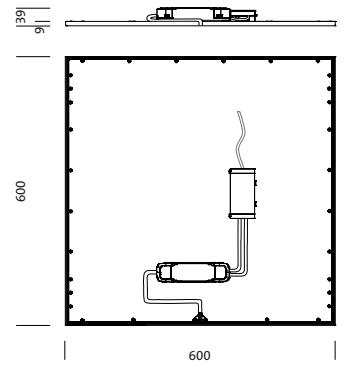
K	CRI	lm	W	lm/W	Control	 kg	Order no.
<i>Dimensions: 296 × 296 mm</i>							
3,000	> 80	1,700	15	113	DALI 2	0.8	51MQ13WD2313
4,000	> 80	1,800	15	120	DALI 2	0.8	51MQ13WD2413

Accessories

		 kg	Order no.
Surface-mount housing, white, for luminaire L × W = 296 × 296 mm	1 pc.	0.5	59MQ23004021



Details and further variants for Apollon 21 Square



Apollon 31 Square, office luminaire with microprismatic cover

- Cover made of PMMA, UGR \leq 19, L = 3,000 cd/m², direct distribution, symmetric
- Housing made of aluminum, coated traffic white (RAL 9016), upper housing side made of sheet steel, galvanized
- With connection box for through-wiring
- Protection rating: IP20 (lamp compartment: IP40)
- Safety class: II
- Permissible ambient temperature: -20 ... +40 °C
- Service life: 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE, ENEC

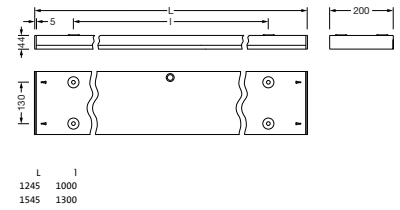
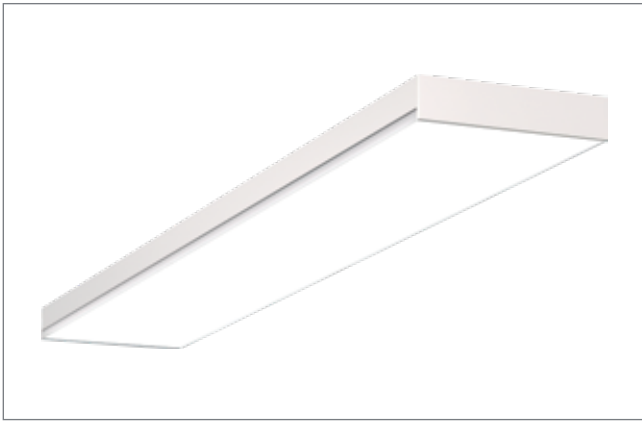
K	CRI	lm	W	lm/W	Control	kg	Order no.
Module: M600, wide distribution, 90°							
3,000	> 80	3,800	35	109	ON/OFF	2.4	51MP12W72341
3,000	> 80	4,000	35	115	DALI 2	3.1	51MP12WD2341
4,000	> 80	4,000	35	115	ON/OFF	2.4	51MP12W72441
4,000	> 80	4,000	35	115	DALI 2	2.2	51MP12WD2441
Module: M600, wide distribution, 120°							
4,000	> 80	4,000	35	115	ON/OFF	2.2	51MP12N72441

Accessories

		kg	Order no.
Surface-mount housing, white, for luminaire M600	1 pc.	1.0	59MQ22004021
Surface-mount housing (pre-assembled frame), white, for luminaire M600	1 pc.	1.2	59MQ22005021
Ceiling recessing frame, white, for luminaire M600	1 pc.	0.7	59MQ12005021
Rapid mounting bracket, for ceiling cut-outs	4 pc.	0.7	5MQ90040XC
Mounting wire, L = 1,500 mm	1 pc.	0.1	59MQ91110
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for ON/OFF variant	2 pcs.	0.3	59MQ31000021
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for DALI 2 variant	2 pcs.	0.3	59MQ32000021



Details and further variants
for Apollon 31 Square



Apollon 31 Surface, office luminaire with microprismatic cover

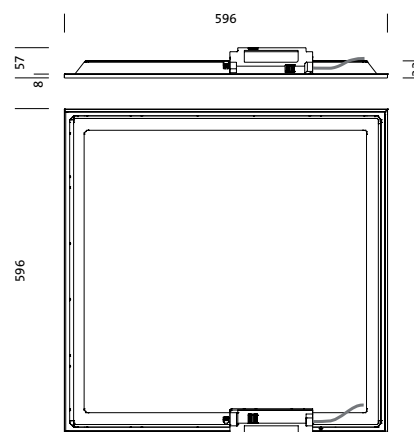
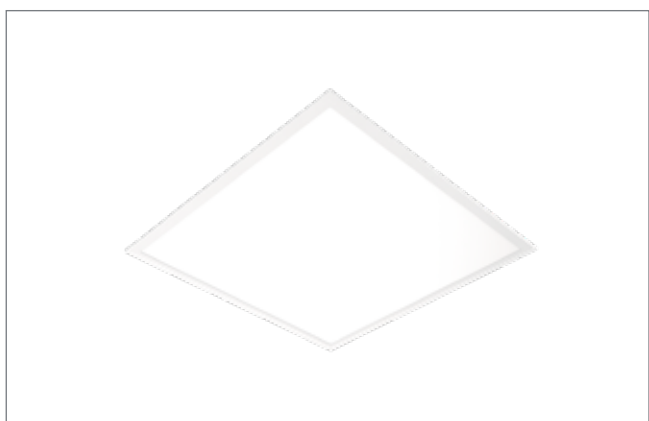
- Cover made of PMMA, UGR ≤ 19, L = 3,000 cd/m²
- Housing made of sheet steel, coil-coated, traffic white (RAL 9016) or metallic gray (RAL 9006)
- With terminal block for through-wiring
- Protection rating: IP20
- Safety class: II
- Impact resistance: IK02
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	Order no.
Dimensions: 1,245 x 200 mm, traffic white (RAL 9016)						
4,000	> 80	3,800	27	139	ON/OFF Multilumen	3.0 51MP25WM2441W
4,000	> 80	3,800	28	134	DALI 2	3.0 51MP25WD2441W
Dimensions: 1,245 x 200 mm, metallic gray (RAL 9006)						
4,000	> 80	3,800	27	139	ON/OFF Multilumen	3.0 51MP25WM2441E
4,000	> 80	3,800	28	134	DALI 2	3.0 51MP25WD2441E
Dimensions: 1,545 x 200 mm, traffic white (RAL 9016)						
4,000	> 80	4,600	33	139	ON/OFF Multilumen	5.5 51MP26WM2441W
4,000	> 80	4,600	33	139	DALI 2	5.5 51MP26WD2441W
Dimensions: 1,545 x 200 mm, metallic gray (RAL 9006)						
4,000	> 80	4,600	33	139	ON/OFF Multilumen	5.5 51MP26WM2441E
4,000	> 80	4,600	33	139	DALI 2	5.5 51MP26WD2441E

Accessories		Order no.
Connector for mounting as continuous row, sheet steel	1 pc. 0.7	59MP20007021
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for ON/OFF variant	2 pcs. 0.3	59MQ31000021
Y-wire suspension, with canopy, white, with fixing on luminaire side, with terminal, for DALI variant	2 pcs. 0.3	59MQ32000021



Details and further variants for Apollon 31 Surface



Apollon 41, office luminaire with prismatic diffuser

- Cover made of polystyrene (PS), direct distribution, symmetric
- Housing made of aluminum profile, coated traffic white (RAL 9016), upper housing side made of sheet steel
- Protection rating: IP20 (lamp compartment: IP40)
- Safety class: II
- Permissible ambient temperature: -20 ... +40 °C
- Service life: 50,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE, ENEC

K	CRI	lm	W	lm/W	Control	kg	Order no.
Module: M600							
3,000	> 80	3,550	35	100	ON/OFF	2.0	51MH12W72322
4,000	> 80	3,700	35	105	ON/OFF	2.0	51MH12W72422
4,000	> 80	3,700	35	105	DALI 2	2.0	51MH12WD2422
4,000	> 80	5,250	50	105	ON/OFF	2.0	51MH12H72422
6,500	> 80	3,700	35	105	ON/OFF	2.0	51MH12W72622

Accessories

		kg	Order no.
Surface-mount housing, white, for luminaire M600	1 pc.	1.0	59MQ22004021
Ceiling recessing frame, white, for luminaire M600	1 pc.	0.7	59MQ12005021
Mounting wire, L = 1,500 mm	1 pc.	0.1	59MH12000022



Details and further variants
for Apollon 41



Local control

The uncomplicated solution for individual areas thanks to plug&play sensor technology – simple parameterization and commissioning via app.



Central control

Complete flexibility by networking different lighting zones into the building management system via central control and integration.



Control across locations

Comprehensive networking and control of several locations for complete transparency and intelligent analysis options.



From simple plug&play control to an integrated building management system – SITECO Connect gives you perfectly customized solutions.

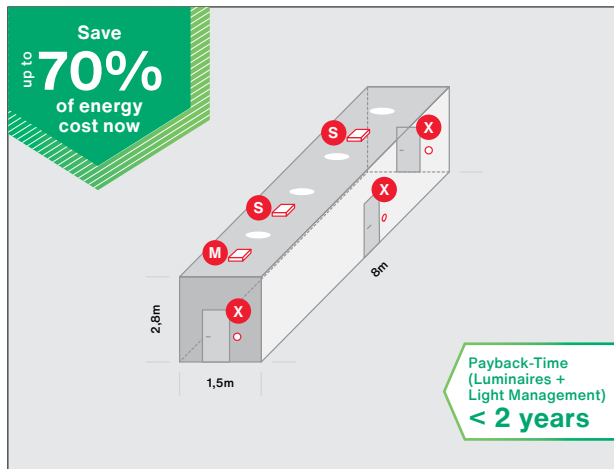
Any questions or need help?
Simply contact us!

Control



Local control

Ancillary areas



Functions

- Motion- and daylight-dependent control
- Fully automatic operation

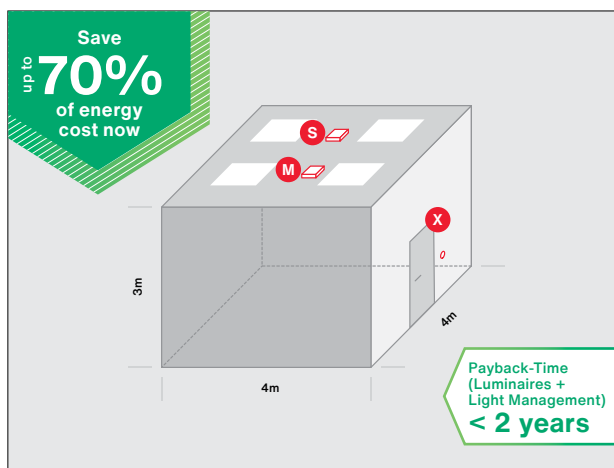
Components

Lunis

- M** Controller
- S** Sensor
- X** Push-button or touch panel



Single office / meeting room



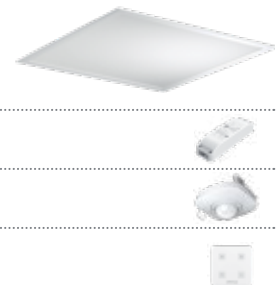
Functions

- Presence and motion-dependent control
- Daylight control
- Semi-automatic operation
- Manual control by the user



Components

Apollon

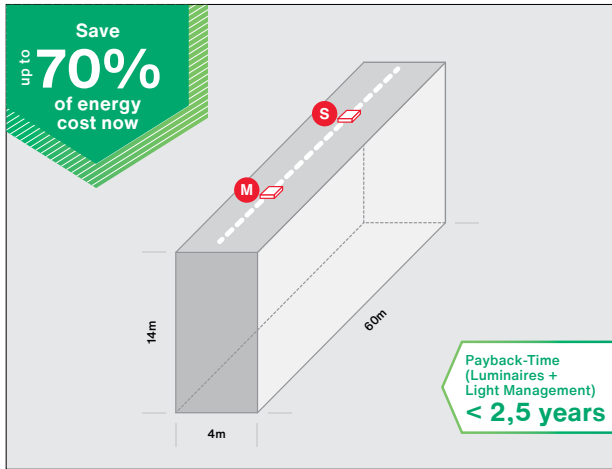
- M** Controller
- S** Sensor
- X** Push-button or touch panel



Accessories

				Order no.
M	SITECO Connect 31 Gen2 Controller	1 pc.	0.1	5LZ910100A
S	SITECO Connect 31 Gen2 Sensor	1 pc.	0.1	5LZ910200A
X	SITECO Connect 31 Touch Panel	1 pc.	0.1	5LZ910300
X	Push-button provided on-site			

Shelf warehousing and highbay racking mh = 4 m ... 14 m



Functions

- Motion- and daylight-dependent control
- Fully automatic operation
- Inventory function

Components

Licross or Modario: DALI luminaire insert + mounting rail with DALI through-wiring

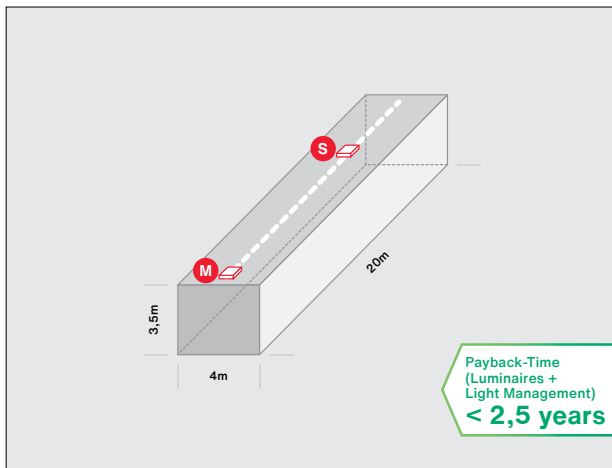
M¹ 1 × Interface MD
1 × PR2-M sensor head

S 1 × Interface S
1 × PR2-S sensor head

Smart Remote



Storeroom, corridor mh = 2 m ... 4 m



Functions

- Motion- and daylight-dependent control
- Fully automatic operation
- Inventory function

Components

Licross or Modario: DALI luminaire insert + mounting rail with DALI through-wiring



M¹ 1 × Interface MD
1 × PR1-M sensor head

S 1 × Interface S
1 × PR1-S sensor head

Smart Remote

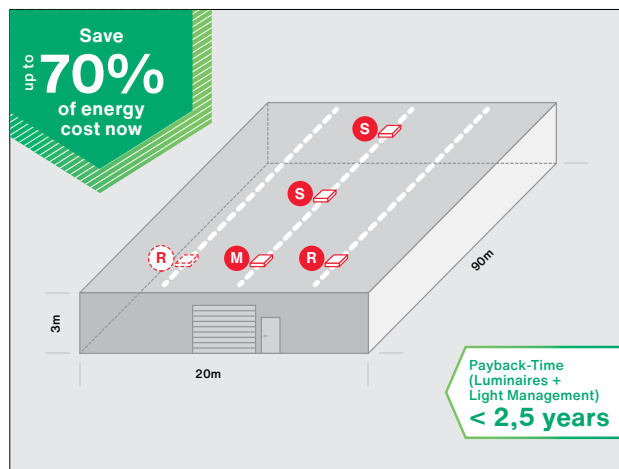


Accessories

			Order no.
M external Interface MD	1 pc.	0.1	59US1FCMA
M Licross 11/21 Interface MD	1 pc.	0.5	56TL1FCMA
M Modario 31 Interface MD	1 pc.	0.5	5TR305FCMA
M Sensor head PR1-M (storeroom/corridor)	1 pc.	0.1	59US1HXMPR1A
M Sensor head PR2-M (shelf warehousing and highbay racking)	1 pc.	0.1	59US1HXMPR2A
S external Interface S	1 pc.	0.1	59US1FCSA
S Licross 11/21 Interface S	1 pc.	0.5	56TL1FCSA
S Modario 31 Interface S	1 pc.	0.5	5TR305FCSA
S Sensor head PR1-S (storeroom/corridor)	1 pc.	0.1	59US1HXSPR1A
S Sensor head PR2-S (shelf warehousing and highbay racking)	1 pc.	0.1	59US1HXSPR2A
Smart Remote	1 pc.	0.1	59UC3RCA

¹ maximum number of combinations per master: 21 DALI luminaires, 3 slave sensors

Dispatch area mh = 2 m ... 4 m



Functions

- Motion- and daylight-dependent control
- Fully automatic operation
- Inventory function

Components

Licross or Modario: DALI luminaire insert + trunking rail with DALI through-wiring

M¹ 1 x Interface MD
1 x PC1-M sensor head

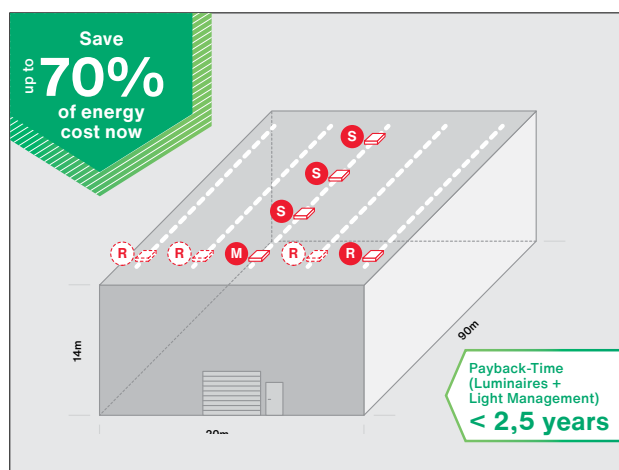
S 1 x Interface S
1 x PC1-S sensor head

R^{1,2} 1 x Repeater

Smart Remote



Dispatch area mh = 5 m ... 14 m



Functions

- Motion- and daylight-dependent control
- Fully automatic operation
- Inventory function

Components

Licross or Modario: DALI luminaire insert + trunking rail with DALI through-wiring

M¹ 1 x Interface MD
1 x PC5-M sensor head

S 1 x Interface S
1 x PC5-S sensor head

R² 1 x Repeater

Smart Remote



Accessories

			Order no.
M external Interface MD	1 pc.	0.1	59US1FCMA
M Licross 11/21 Interface MD	1 pc.	0.5	56TL1FCMA
M Modario 31 Interface MD	1 pc.	0.5	5TR305FCMA
M PC1-M sensor head (dispatch area 2 ... 4m)	1 pc.	0.1	59US1HXMP1A
M PC5-M sensor head	1 pc.	0.1	59US1HXMP5A
S external Interface S	1 pc.	0.1	59US1FCSA
S Licross 11/21 Interface S	1 pc.	0.5	56TL1FCSA
S Modario 31 Interface S	1 pc.	0.5	5TR305FCSA
S PC1-S sensor head (dispatch area 2 ... 4m)	1 pc.	0.1	59US1HXSP1A
S PC5-S sensor head (dispatch area 5 ... 14m)	1 pc.	0.1	59US1HXSP5A
R Licross Repeater incl. 14-pole Licross trunking rail*	1 pc.	0.5	56TL1CRM0B
R Modario Repeater incl. 10-pole Modario trunking rail**	1 pc.	0.5	5LZ980302
Smart Remote	1 pc.	0.1	59UC3RCA

¹ max. number of combinations per master: 21 DALI luminaires, 3 slave sensors

² Cascading; max. number of combinations per repeater: 64 DALI luminaires (broadcast), number of repeaters depending on floor space

* DALI line for luminaires: cores 9+11; DALI line for repeater: cores 8+10

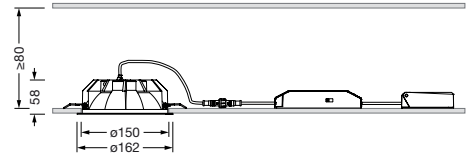
** DALI line for luminaires: cores 5+7; DALI line for repeater: cores 4+6

Lunis 21

The downlight for all cases.


- Suitable for a wide range of applications thanks to modular design in various sizes
- Integrates perfectly into the interior design due to darklight optic and concise appearance
- Simple ceiling integration due to flat design of less than 60 mm
- Quick and easy mounting





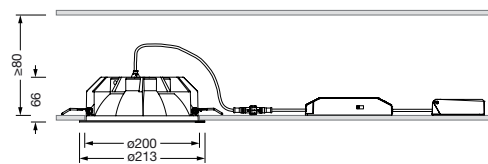
Lunis 21 L, cut-out 150 mm, downlight, wide distribution

- Direct distribution
- Housing made of die-cast aluminum, visible mounting ring, round, traffic white (RAL 9016)
- Protection rating: IP20, on room side IP54
- Safety class: II
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Kg	Order no.
<i>wide distribution</i>							
3,000	> 80	1,670	13.8	121	ON/OFF Multilumen	0.6	51DB15MD3C
3,000	> 80	1,670	13.8	121	DALI 2	0.6	51DB15DD32
4,000	> 80	1,700	13.8	123	ON/OFF Multilumen	0.6	51DB15MD4C
4,000	> 80	1,700	13.8	123	DALI 2	0.6	51DB15DD42



Details and further variants
for Lunis 21 L



Lunis 21 XL, cut-out 200 mm, downlight, wide distribution

- Direct distribution
- Housing made of die-cast aluminum, visible mounting ring, round, traffic white (RAL 9016)
- Protection rating: IP20, on room side IP54
- Safety class: II
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
<i>wide distribution</i>							
3,000	> 80	2,180	19.1	114	ON/OFF Multilumen	1.0	51DB15MF3D
3,000	> 80	2,180	19.1	114	DALI 2	1.0	51DB15DF32
3,000	> 80	3,380	31.0	109	DALI 2	1.0	51DB15DF33
4,000	> 80	2,280	17.7	129	ON/OFF Multilumen	1.0	51DB15MF4D
4,000	> 80	2,280	17.7	129	DALI 2	1.0	51DB15DF42
4,000	> 80	3,560	31.0	115	DALI 2	1.0	51DB15DF43



Details and further variants
for Lunis 21 XL

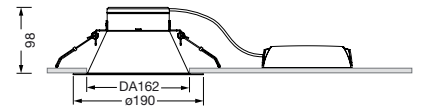
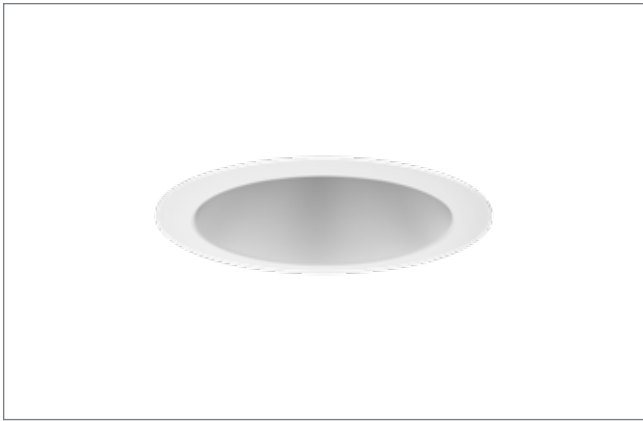


Lunis 31

The practical downlight for office and general lighting.

- Very efficient and elegant downlight with powder-coated white reflector
- $UGR \leq 19$ variants suitable for VDU workstation lighting
- Aluminum housing for good heat dissipation and long service life
- Quick and easy mounting





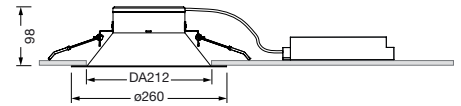
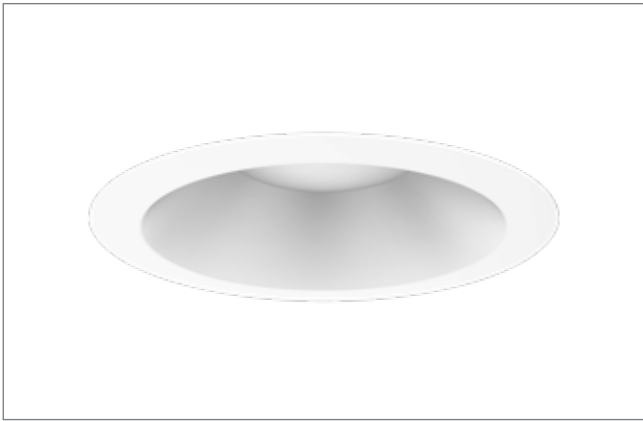
Lunis 31, downlight, cut-out 162 mm, wide distribution

- Direct wide distribution
- Round housing, traffic white (RAL 9016)
- Protection rating: IP20, on room side IP54
- Safety class: II
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
wide distribution, UGR ≤ 19							
3,000	> 80	1,000	8.3	120	ON/OFF	0.3	51DN157E31
3,000	> 80	1,000	8.3	120	DALI 2	0.3	51DN15DE31
4,000	> 80	1,050	8.3	126	ON/OFF	0.3	51DN157E41
4,000	> 80	1,050	8.3	126	DALI 2	0.3	51DN15DE41
wide distribution, UGR ≤ 22							
3,000	> 80	1,000	8.3	120	ON/OFF	0.3	51DN167E31
3,000	> 80	1,000	8.3	120	DALI 2	0.4	51DN16DE31
4,000	> 80	1,050	8.3	126	ON/OFF	0.3	51DN167E41
4,000	> 80	1,050	8.3	126	DALI 2	0.4	51DN16DE41



Details and further variants for Lunis 31 mini



Lunis 31, downlight, cut-out 212 mm, wide distribution

- Direct wide distribution
- Round housing, traffic white (RAL 9016)
- Protection rating: IP20, on room side IP54
- Safety class: II
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
wide distribution, UGR ≤ 19							
3,000	> 80	2,000	16.7	120	ON/OFF	0.5	51DN157G32
3,000	> 80	2,000	16.7	120	DALI 2	0.6	51DN15DG32
4,000	> 80	2,100	16.7	126	ON/OFF	0.5	51DN157G42
4,000	> 80	2,100	16.7	126	DALI 2	0.6	51DN15DG42
wide distribution, UGR ≤ 22							
3,000	> 80	2,000	16.7	120	ON/OFF	0.5	51DN167G32
3,000	> 80	2,000	16.7	120	DALI 2	0.5	51DN16DG32
4,000	> 80	2,100	16.7	126	ON/OFF	0.5	51DN167G42
4,000	> 80	2,100	16.7	126	DALI 2	0.5	51DN16DG42



Details and further variants
for Lunis 31 midi

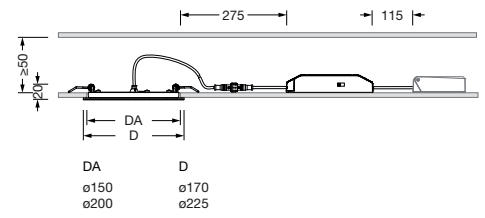


Lunis 41

A well-rounded solution for all cases.


- For simple accent lighting in public buildings and the retail sector
- Compact, functional design
- Uniform light with good color rendering in three light colors (3,000 K, 4,000 K or 5,700 K)
- Due to its compact dimensions and the standard installation diameter, is in many cases ideal for renovation purposes and as a replacement for conventional downlights with halogen lamps





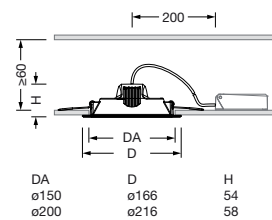
Lunis 41 Flat, downlight

- Direct distribution
- Housing, round, made of aluminum, traffic white (RAL 9016), diameter 170 mm or 225 mm
- Protection rating: IP20, on room side IP44
- Safety class: I
- Permissible ambient temperature: -10 ... +40 °C
- Service life 30,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Kg	Order no.
Cut-out 150 mm							
3,000 4,000	> 80	1,360	15	90	ON/OFF	0.3	51DR107DGBA
4,000 5,700	> 80	1,360	15	90	ON/OFF	0.3	51DR107DHBA
Cut-out 200 mm							
3,000 4,000	> 80	2,160	22	90	ON/OFF	0.5	51DR107FGCA
4,000 5,700	> 80	2,160	22	90	ON/OFF	0.5	51DR107FHCA



Details and further variants for Lunis 41 Flat



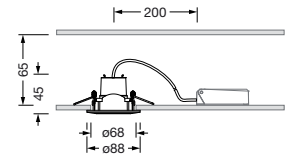
Lunis 41 Eco, downlight

- Direct distribution
- Housing, round, made of aluminum, traffic white (RAL 9016), diameter 166 mm or 216 mm
- Protection rating: IP20, on room side IP40
- Safety class: I
- Permissible ambient temperature: -10 ... +40 °C
- Service life 30,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
Cut-out 150 mm							
3,000	> 80	1,400	14	100	ON/OFF	0.1	51DS107D33A
4,000	> 80	1,460	14	104	ON/OFF	0.1	51DS107D43A
Cut-out 200 mm							
3,000	> 80	2,200	22	100	ON/OFF	0.3	51DS107F34A
4,000	> 80	2,300	22	104	ON/OFF	0.3	51DS107F44A




Details and further variants
for Lunis 41 Eco





Lunis 41 Spot, downlight

- Direct distribution
- Housing, round, made of aluminum, traffic white (RAL 9016), diameter 88 mm
- Protection rating: IP20
- Safety class: I
- Permissible ambient temperature: -10 ... +40 °C
- Service life 30,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Kg	Order no.
Cut-out 150 mm							
3,000	> 80	500	5	100	ON/OFF	0.1	51DT137A31A
3,000	> 80	650	6.5	100	ON/OFF	0.1	51DT137A32A
4,000	> 80	550	5	110	ON/OFF	0.1	51DT137A41A
4,000	> 80	720	6.5	110	ON/OFF	0.1	51DT137A42A

Accessories

		 Kg	Order no.
Connection box, IP20	1 pc.	0.1	58DV003



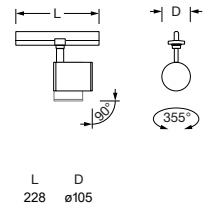
Details and further variants for Lunis 41 Spot

Spot 21

Efficiency and functionality at the highest level.


- Extremely efficient 3-phase track spotlight with up to 135 lm/W in a timeless design
- Suitable for a wide range of applications thanks to diverse lumen packages, light colors and beam angles
- The high-quality reflector is replaceable and thus allows individual adjustment of the light characteristic





Spot 21, spotlight, wide distribution

- Primary light control via reflector made of aluminum
- Housing made of aluminum, traffic white (RAL 9016), round
- Protection rating: IP20
- Safety class: I
- Impact resistance: IK02
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Order no.
symmetric wide distribution, Ø105 mm						
3,000	> 85	3,900	N/A	N/A	ON/OFF	1.2 51SE147BB4A
4,000	> 90	3,900	N/A	N/A	ON/OFF	1.2 51SE147BD4A



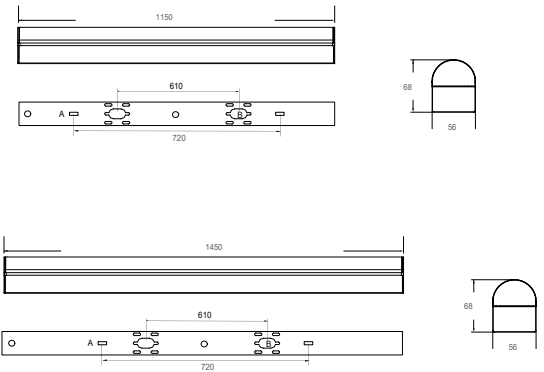
Details and further variants for Spot 21

Ecopack 31

The adaptable batten luminaire.

- Light color and luminous flux adjustable by switch
- DALI variants for simple light control
- Motion detection via optional PIR-sensor
- 3 h emergency light kit converts any luminaire into an emergency luminaire





Ecopack 31, batten luminaire with opal cover

- Cover made of PC, opal, wide distribution, symmetric
- Housing made of aluminum, white, end cap made of PC, white
- Kelvin (K) selectable via DIP switch
- Lumen (lm) selectable via DIP switch, with ON/OFF variants
- Protection rating: IP20
- Safety class: I
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
Length: 600 mm							
3,000 4,000 5,000	> 80	1,400 1,800 2,200 2,600	11 – 20	130	ON/OFF	0.8	51LJ12MDM20A
Length: 1,150 mm							
3,000 4,000 5,000	> 80	2,800 3,500 4,200 4,800	20 – 35	137	ON/OFF	1.2	51LJ12MKM40A
3,000 4,000 5,000	> 80	4,800	35	137	DALI	1.2	51LJ12DKM40A
Length: 1,450 mm							
3,000 4,000 5,000	> 80	3,800 4,800 5,900 7,000	27 – 50	140	ON/OFF	1.5	51LJ12MNM70A
3,000 4,000 5,000	> 80	8,000	57	140	DALI	1.5	51LJ12DNM80A

Accessories	kg	Order no.
Mounting element for ceiling fixing, V2A steel	2 pcs. 0.1	59LJ101
Wire suspension, V2A steel	2 pcs. 0.1	59LJ102
Sensor kit (PIR)	1 pc. 0.1	59LJ201
FB for PIR sensor	1 pc. 0.1	59LJ202
Emergency light kit 3 h / self test	1 pc. 0.3	59LJ203



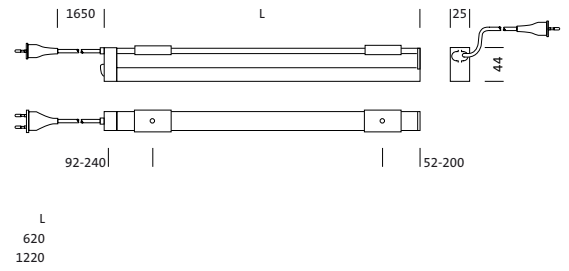
Details and further variants for Ecopack 31

Batten 41

Simple, functional, linear.

- Universal LED batten luminaire with integrated control unit
- Easily adjustable light color via switch (3,000 K, 4,000 K or 5,000 K)
- Compact luminaire profile (25 × 44 mm) also suitable for confined installation conditions
- Non-interrupted, continuous light lines without dark spots up to 15 meters in length
- Angled arrangements possible with flexible connection cable
- Pleasant spatial atmosphere and good visual comfort due to glare-free, uniformly wide light distribution
- Permissible ambient temperature range to 40 °C
- Simple, time-saving mounting also in tight installation spaces due to mounting clips and electrical plug connector
- Mounting material and plug connector included in scope of supply of the corresponding luminaire





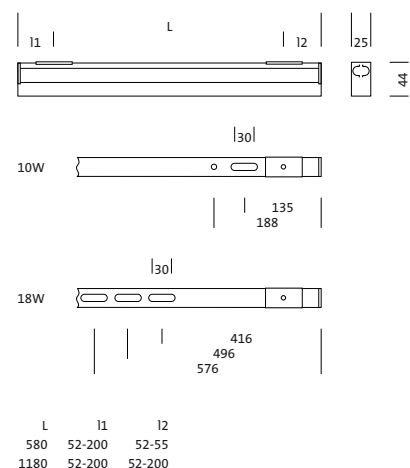
Batten 41, batten luminaire with switch and plug

- Cover made of PC, frosted, symmetric
- For surface mounting, with switch, cable and plug
- Housing made of aluminum, silver, end cap made of PC, white
- Protection rating: IP20
- Safety class: II
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
Length: 620 mm							
3,000 4,000 5,000	> 80	1,000	8	125	ON/OFF	0.4	51LP327DM10AN
Length: 1,220 mm							
3,000 4,000 5,000	> 80	2,000	16	125	ON/OFF	0.8	51LP327KM20AN



Details and further variants for Batten 41



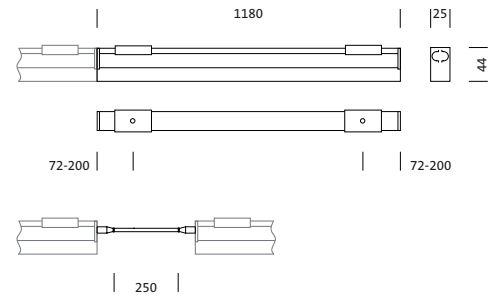
Batten 41, batten luminaire for fixed connection

- Cover made of PC, frosted, symmetric
- For surface mounting, with 2-pole terminal
- Housing made of aluminum, silver, end cap made of PC, white
- Protection rating: IP20
- Safety class: II
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
Length: 580 mm							
3,000 4,000 5,000	> 80	1,000	8	125	ON/OFF	0.4	51LP327DM10AF
Length: 1,180 mm							
3,000 4,000 5,000	> 80	2,000	16	125	ON/OFF	0.8	51LP327KM20AF




Details and further variants
for Batten 41



Batten 41, batten luminaire, expansion luminaire

- Cover made of PC, frosted, symmetric
- For surface mounting, with socket for system connection
- Housing made of aluminum, silver, end cap made of PC, white
- Protection rating: IP20
- Safety class: II
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 kg	Order no.
Length: 1,180 mm							
3,000 4,000 5,000	> 80	2,000	16	125	ON/OFF	0.8	51LP327KM20AE



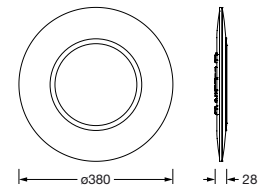
Details and further variants for Batten 41

Rondel 21

The all-rounder for general lighting with innovative features.

- Ultra-flat design for wall and ceiling mounting
- Decorative ceiling or wall illumination via indirect component
- Simple integration of functional extensions such as emergency lighting or sensors
- Easy to use due to control via Bluetooth
- Tunable white function creates ideal basis for SITECO HCL^{live} applications





Rondel 21, wall and ceiling luminaire, opal

- Cover made of PC, opal, direct distribution, central cover, graphite (RAL 7037)
- Round housing made of sheet steel, powder coated white
- Protection rating: IP40
- Safety class: II
- Impact resistance: IK03
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
2,700 ... 6,500	> 80	1,710	22	82	Casambi	1.3	5MD530CL18TW
3,000	> 80	1,800	18	100	ON/OFF	1.6	0MD5307L1830
4,000	> 80	1,800	18	100	ON/OFF	1.7	0MD5307L1840

Accessories

		kg	Order no.
Multisensor, h = 2.5 ... 6 m, installation in luminaire	1 pc.	0.5	5MD53003S
Emergency light element	1 pc.	0.5	0MD5303B



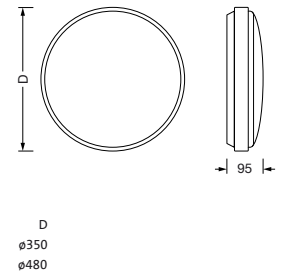
Details and further variants
for Rondel 21

Rondel 31

Practical and robust.


- Efficient wall and ceiling luminaire for entrance areas, staircases, corridors, hallways and ancillary rooms
- IP65 and IK10 – especially resistant
- Versions with motion sensor help to save even more energy
- DALI variants for simple light control







Rondel 31, diffuser luminaire, opal

- Diffuser made of PMMA, opal, direct distribution, symmetric
- Luminaire housing, round, made of PC, white
- Protection rating: IP65
- Safety class: II
- Impact resistance: IK10
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Order no.
Ø 350 mm						
3,000	> 80	1,600 ... 2,300	19	120	ON/OFF Multilumen	1.7 51WC10MA32A
3,000	> 80	2,300	19	120	DALI 2	1.9 51WC10DA32A
4,000	> 80	1,700 ... 2,400	19	125	ON/OFF Multilumen	1.7 51WC10MA42A
4,000	> 80	2,400	19	125	DALI 2	1.9 51WC10DA42A
Ø 350 mm, with HF sensor						
3,000	> 80	1,600 ... 2,300	20.5	112	ON/OFF Multilumen	1.9 51WC10MA32AS
3,000	> 80	2,300	20.5	112	DALI 2	2.0 51WC10DA32AS
4,000	> 8	1,700 ... 2,400	20.5	117	ON/OFF Multilumen	1.9 51WC10MA42AS
4,000	> 80	2,400	20.5	117	DALI 2	2.0 51WC10DA42AS
Ø 480 mm						
3,000	> 80	3,400 ... 4,100	34	120	ON/OFF Multilumen	2.9 51WC10MB34A
3,000	> 80	4,100	34	120	DALI 2	3.0 51WC10DB34A
4,000	> 80	3,550 ... 4,250	34	125	ON/OFF Multilumen	2.9 51WC10MB44A
4,000	> 80	4,250	34	125	DALI 2	3.0 51WC10DB44A
Ø 480 mm, with HF sensor						
3,000	> 80	3,400 ... 4,100	35.5	112	ON/OFF Multilumen	3.0 51WC10MB34AS
3,000	> 80	4,100	35.5	112	DALI 2	3.1 51WC10DB34AS
4,000	> 80	3,550 ... 4,250	35.5	117	ON/OFF Multilumen	3.0 51WC10MB44AS
4,000	> 80	4,250	35.5	117	DALI 2	3.1 51WC10DB44AS

Accessories

			Order no.
Single battery element with self-test function, 3h	1 pc.	0.3	51WC10E



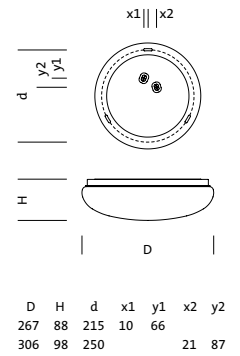
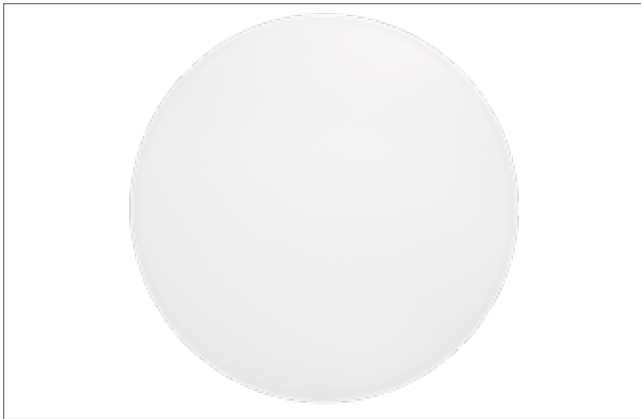
Details and further variants for Rondel 31

Rondel 41

The round classic with modern LED technology.


- Timeless design in familiar shapes
- Pleasant room atmosphere and uniform illumination due to diffuse distribution
- Light by demand with versions including presence and day/night sensor
- Wide distribution UV-resistant diffuser
- Also suitable for canopied outdoor areas





Rondel 41, diffuser luminaire, opal

- Diffuser made of PMMA, opal, direct distribution, symmetric
- Luminaire housing, round, made of steel, coated signal white (RAL 9003)
- Protection rating: IP44
- Safety class: I
- Impact resistance: IK02
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Order no.
Ø 280 mm						
3,000 4,000	> 80	1,350	13	104	ON/OFF Multilumen	0.6 51WD107AG1A
Ø 280 mm, with HF sensor						
3,000 4,000	> 80	1,350	14	96	ON/OFF Multilumen	0.6 51WD107AG1AS
Ø 330 mm						
3,000 4,000	> 80	2,300	21	105	ON/OFF Multilumen	0.7 51WD107BG2A
Ø 330 mm, with HF sensor						
3,000 4,000	> 80	2,300	22	100	ON/OFF Multilumen	0.8 51WD107BG2AS



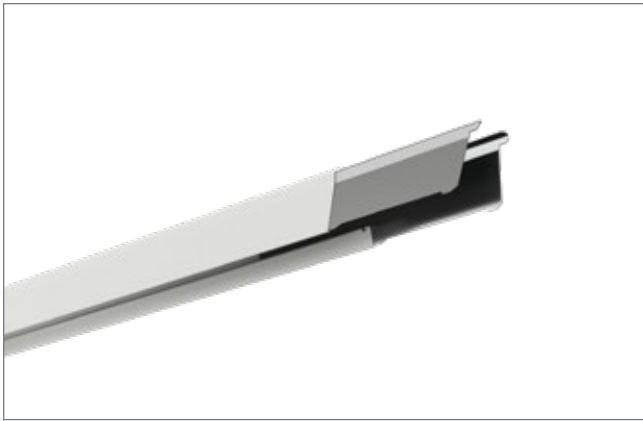
Details and further variants for Rondel 41

Licross 21

The backbone of your digital infrastructure.

- 14 cores for networking without additional wiring effort
- Click system for easy integration of sensors, WiFi, audio, video, emergency lighting and more
- Maximum efficiency due to outstanding lighting technology with up to 200 lm/W for low operating costs as well as SITECO-typical optic technology for top visual conditions
- Maximum flexibility in application and equipped for the needs of the future





	L
51TR.C.	1500
51TR.F.	3000
51TR.J.	4500

Licross 21, trunking rail

- Trunking rail made of sheet steel, galvanized, coil-coated, white
- Protection rating: maximum IP64 depending on inserts and accessories used
- Safety class: I
- Approval designation: CE, VDE, ENEC

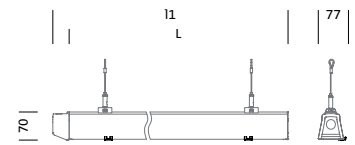
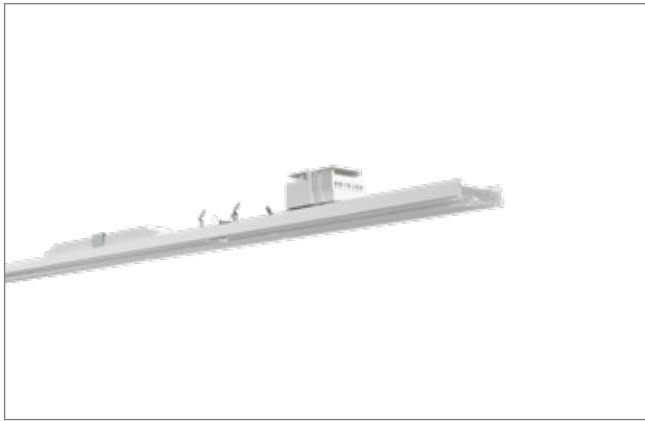
Color	$\frac{L}{[mm]}$	Kg	Order no.
with through-wiring $7 \times 2.5 \text{ mm}^2$			
White	1,500	2.8	51TR1C7
White	3,000	5.2	51TR1F7
White	4,500	7.6	51TR1J7

with through-wiring $14 \times 2.5 \text{ mm}^2$			
White	1,500	2.8	51TR1CE
White	3,000	5.2	51TR1FE
White	4,500	7.6	51TR1JE

Accessories		Kg	Order no.
End cap, white, for trunking rail, for protection rating IP20/IP40	2 pcs.	0.1	59TL1S
End cap, white, for trunking rail, for protection rating IP50/IP64	2 pcs.	0.1	59TP1S
Blank cover, white, for protection rating IP20/IP40	1 pc.	0.2	59TL1A
Blank cover, white, for protection rating IP50/IP64, end cap	1 pc.	0.3	59TP1A
Feed module, white, socket, 14-pin, max. 2.5 mm^2 , for protection rating IP20/IP40	1 pc.	0.8	59TL1FNE
Feed module, white, socket, 14-pole, max. 2.5 mm^2 , for protection rating IP50/IP64	1 pc.	0.8	59TP1FNE
Multi-adapter with plug, 5-pole, white, L = 500 mm	1 pc.	0.4	56TL1M
Ceiling fixing element, V2A spring steel	1 pc.	0.1	59TR9D
Chain suspension, steel, galvanized	1 pc.	0.1	59TR9K
Chain, steel, galvanized	1 running m	0.1	5LY9001
Single wire suspension, with wire and loop, fastening on rail side, 2,000 mm	1 pc.	0.1	59TR9R
Single wire suspension, with ceiling sleeve, fastening on rail side, 2,000 mm	1 pc.	0.1	59TR9RS




Details and further variants
for Licross 21



	L	l1
51TL1.N...	1500	1542
51TL1.V...	2250	2292

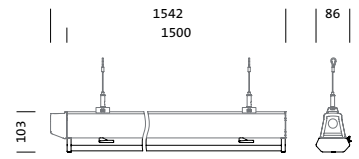
Licross 21 Recessed, luminaire insert

- Cover made of PMMA, direct distribution, symmetric
- Luminaire insert made of sheet steel, coil-coated, white
- Protection rating: IP40
- Safety class: I
- Protection symbol: D, when used in an environment without relevant dust exposure with appropriate accessories
- Impact resistance: IK06
- Permissible ambient temperature: see table
- With ceiling surface-mounting, reduction of maximum permissible ambient temperature by 5 °C
- Complies with IFS requirements for safety and quality in the food industry
- Service life 50,000 h (L100/B50) at AT = 25 °C with Multilumen CLOi variants; 70,000 h (L80/B50) at AT = 25 °C with DALI variants
- Approval designation: CE, ENEC, VDE

K	CRI	lm	W	$\frac{\text{lm}}{\text{W}}$	Control	t_a	 Kg	Order no.
Length: 1,500 mm, symmetric wide distribution								
4,000	> 80	8,400	51	166	ON/OFF Multilumen, CLOi	-35 ... +40 °C	1.3	52TL12CN48XF
4,000	> 80	11,540	69	169	ON/OFF Multilumen, CLOi	-35 ... +35 °C	1.3	52TL12CN4B5L
4,000	> 80	9,160	61	156	DALI 2	-25 ... +35 °C	1.3	52TL12DN495F
4,000	> 80	13,110	82	159	DALI 2	-25 ... +30 °C	1.3	52TL12DN4DXL
Length: 2,250 mm, symmetric wide distribution								
4,000	> 80	14,290	91	157	DALI 2	-25 ... +35 °C	2.0	52TL12DV4EXF
4,000	> 80	20,420	127	161	DALI 2	-35 ... +30 °C	2.3	52TL12DV4LXL




Details and further variants
for Licross 21 Recessed



Licross 21 Protected, luminaire insert

- Cover made of PMMA, direct distribution, symmetric
- Luminaire insert made of sheet steel, coil-coated, white
- Protection rating: IP50
- Safety class: I
- Protection symbol: D, when used in an environment where deposition of non-conductive dust can be expected, with appropriate accessories
- Impact resistance: IK06
- Permissible ambient temperature: see table
- With ceiling surface-mounting, reduction of maximum permissible ambient temperature by 5 °C
- Complies with IFS requirements for safety and quality in the food industry
- Service life 50,000 h (L100/B50) at AT = 25 °C with Multilumen CLOi variants; 70,000 h (L80/B50) at AT = 25 °C with DALI variants
- Approval designation: CE, ENEC, VDE

K	CRI	lm	W	lm/W	Control	t _a	 Order no.	
Length: 1,500 mm, symmetric wide distribution								
4,000	> 80	7,650	51	151	ON/OFF Multilumen, CLOi	-35 ... +45 °C	3.2	52TS12CN475F
4,000	> 80	10,690	69	156	ON/OFF Multilumen, CLOi	-35 ... +40 °C	2.9	52TS12CN4A5L
4,000	> 80	8,670	61	142	DALI 2	-25 ... +40 °C	2.8	52TS12DN485F
4,000	> 80	12,160	83	147	DALI 2	-25 ... +35 °C	3.2	52TS12DN4CXL
4,000	> 80	14,710	92	161	DALI 2	0 ... +30 °C	3.2	51TS12DN4E5L



Details and further variants for Licross 21 Protected

Licross system overview

Trunking rails available
in following colors:



Licross trunking rail

- Trunking rails with up to 14 cores for a new level of networking
- Diverse configuration options of rail and inserts for specifications tailored to requirements

Licross Recessed

- Easy to achieve needs-oriented illumination thanks to wide range of light distributions
- Uniform design due to rail-flush integration
- Very high luminous fluxes of up to 26,000 lm

Licross Protected

- High resistance and suitable for ambient temperatures up to 50° C at full service life
- Very robust system with protection ratings up to IP64 / IK06 with simultaneously high luminous flux of up to 14,000 lm

Licross Performance

- Special optics technology for very high visual comfort with up to $UGR \leq 19$ and suitable for VDU workstations
- Attractive interior design with up to 23 % indirect light component – ideal for SITECO HCL^{live}

Licross retail solutions

- Spot: Accentuated lighting and outstanding color rendering for attractive interior designs and merchandise displays
- Washer: Asymmetric wide distribution light characteristic provides deep, uniform illumination of walls, shelves and panels

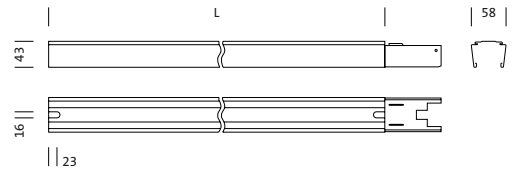
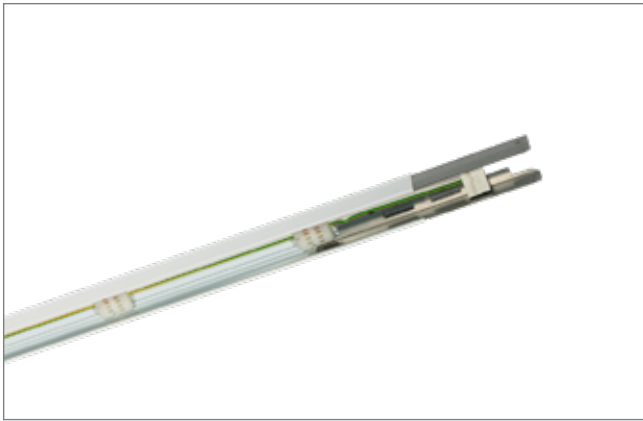


Modario 31

The perfect trunking solution for performance and efficiency.

- Simple implementation of the latest energy efficiency standard in existing installations
- Highly efficient LED inserts with up to 166 lm/W – also suitable for refurbishing conventional luminaire inserts in existing Modario systems for exploiting energy-saving potential
- Proven, functional system with state of the art technology
- Prismatic frosted optic for low glare and high visual comfort
- Quick and simple mounting





	L
5TR101...	1495
5TR102...	2990
5TR103...	4485

Modario 31, trunking rail

- Trunking rail made of sheet steel, coated, pure white
- Protection rating: IP20
- Safety class: I
- Approval designation: CE, ENEC, VDE

Color

with through-wiring 5 × 2.5 mm²

	L [mm]	Kg	Order no.
pure white	1,495	2.2	5TR10150Q
pure white	2,990	4.0	5TR10250Q
pure white	4,485	5.7	5TR10350Q

with through-wiring 7 × 2.5 mm²

pure white	1,495	2.3	5TR10170Q
pure white	2,990	4.0	5TR10270Q
pure white	4,485	6.0	5TR10370Q

with through-wiring 10 × 2.5 mm²

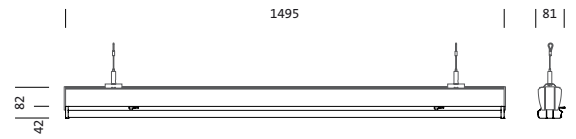
pure white	1,495	2.4	5TR101A0Q
pure white	2,990	4.4	5TR102A0Q
pure white	4,485	6.4	5TR103A0Q

Accessories

		Kg	Order no.
End cap, transparent, for trunking rail, for protection rating IP20/IP40	2 pcs.	0.1	5TR9016
End cap, white, for trunking rail, for protection rating IP20/IP40	2 pcs.	0.1	5TR90161
Blank cover, IP20, length: 1,495 mm, signal white (RAL 9003)	1 pc.	0.2	5TR30200Q2
Ceiling fixing element, V2A spring steel	1 pc.	0.1	5LS91101EA
Single wire suspension, with loop, fastening on rail side, 2,000 mm	1 pc.	0.1	5TR901302
Single wire suspension, with ceiling sleeve, fastening on rail side, 2,000 mm	1 pc.	0.1	5TR901342
Chain suspension, steel, galvanized	1 pc.	0.1	5TR9012
Chain, steel, galvanized	1	0.1	5LY9001
	running m		




Details and further variants for Modario 31 trunking rail



Modario 31, luminaire insert

- Cover made of PMMA, direct distribution, symmetric
- Luminaire insert made of sheet steel, coil-coated, white
- Protection rating: IP20, LED compartment: IP50
- Safety class: I
- Complies with IFS requirements for safety and quality in the food industry
- Permissible ambient temperature: see table
- With ceiling surface-mounting, reduction of maximum permissible ambient temperature by 5 °C
- Service life 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE, ENEC, VDE

K	CRI	lm	W	lm/W	Control	t _a	 Kg	Order no.
symmetric wide distribution								
4,000	> 80	8,950	60	150	ON/OFF Multilumen	-35 ... +30 °C	1.9	53BM812M1V4085
4,000	> 80	12,380	77	160	ON/OFF Multilumen	-35 ... +35 °C	2.0	53BM812M1V4120
4,000	> 80	7,810	51	154	ON/OFF	-35 ... +35 °C	1.9	53BM81271V4080
4,000	> 80	8,930	62	144	DALI 2	-25 ... +30 °C	1.9	53BM812D2V4085
4,000	> 80	12,350	80	155	DALI 2	-25 ... +30 °C	2.0	53BM812D2V4120
symmetric narrow distribution								
4,000	> 80	8,930	62	144	DALI 2	-25...+30 °C	1.9	53BM811D2V4085
4,000	> 80	12,350	79	156	DALI 2	-25...+30 °C	2.0	53BM811D2V4120



Details and further variants
for Modario 31

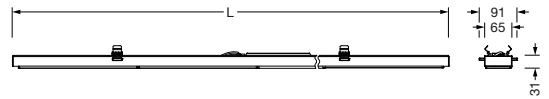


Refurbishment luminaire insert 31

The universal lighting unit for trunking refurbishments.

- Enables refurbishment of various trunking systems via individual plug connectors and end caps for length compensation of the lighting units
- Simple implementation of the latest energy efficiency standard in existing installations
- Simple replacement due to tool-free mounting
- Highly efficient LED inserts with up to 160 lm/W
- Long service life, maintenance-free





	L
51RE... A...	1172
51RE... B...	1472

Refurbishment luminaire insert 31

- Cover made of PMMA, lens optic, wide distribution, symmetric
- Housing made of extruded aluminum profile, white
- Protection rating: IP20
- Safety class: I
- Impact resistance: IK02
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	W	lm	lm/W	Control	t _a	Order no.
Length: 1,172 mm							
4,000	> 80	6,400*	40	160	ON/OFF Multilumen	-20 ... +40 °C	1.2 51RE12MA46B

*Luminous flux levels: 6,400 lm/5,610 lm/4,450 lm/3,300 lm

Length: 1,472 mm							
4,000	> 80	8,000*	50	160	ON/OFF Multilumen	-20 ... +40 °C	1.4 51RE12MB48B

*Luminous flux levels: 8,000 lm/6,850 lm/5,610 lm/4,130 lm

Accessories			Order no.
Fixing clip for DUS (5LJ9...), mandatory accessory, for fixing the insert	2 pcs.	0.1	59RL0CD
Plug connector for DUS (5LJ9...), plastic, white, 3-pole for ON/OFF	1 pc.	0.1	59RP004
End caps for refurbishing DUS, plastic, white, length compensation total +63 mm, length of insert + end cap: 1,235/1,535 mm	2 pcs.	0.1	59RC1K
Plug connector for Modario, plastic, white, 3-pole for ON/OFF	1 pc.	0.1	59RP007
End caps for refurbishing Modario, plastic, white, length compensation total +23 mm, length of insert + end cap: 1,195/1,495 mm	2 pcs.	0.1	59RC1D



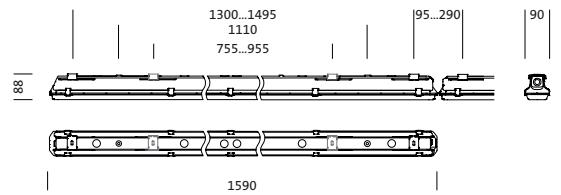
Details and further variants for refurbishment luminaire insert 31

Monsun 21

The future-safe damp-proof luminaire.

- Reliable, robust and with upgradeable intelligence
- Equipped for harsh environments and use in exposed outdoor areas thanks to IP66 protection rating
- Upgradeable with sensor technology: the control can be flexibly adapted for use in industry and parking garages
- Excellent glare control for industrial and manual activities (UGR up to ≤ 22)





Monsun 21, damp-proof luminaire with PMMA diffuser

- Direct distribution, symmetric
- Luminaire housing made of polyester, glass fiber reinforced, untreated, light gray, diffuser catch made of stainless steel (V2A), ceiling fixing element made of stainless steel (V2A), chain suspension made of stainless steel (V2A)
- For suspended mounting, surface-mounting, horizontal mounting, vertical mounting, for indoor and canopied outdoor mounting
- Complies with IFS (International Food Standard)

- requirements for safety and quality in the food industry
- Protection rating: IP66
- Safety class: I
- Protection symbol: D
- Impact resistance: IK04
- Permissible ambient temperature: -25 ... +35 °C
- Service life: 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	Kg	Order no.
4,000	> 80	3,710	22	167	ON/OFF	2.5	51FB107P430J
4,000	> 80	3,860	25	156	DALI 2	2.5	51FB10DP430B
4,000	> 80	4,360	28	161	ON/OFF	2.5	51FB107P440J
4,000	> 80	4,360	28	156	DALI 2	2.5	51FB10DP440B
4,000	> 80	6,000	38	158	ON/OFF	2.5	51FB107P460B
4,000	> 80	6,060	39	154	DALI 2	2.5	51FB10DP460B

Accessories		Kg	Order no.
Fixing clip, attachment to Licross trunking rail	2 pcs.	0.1	58FM001
Wall fastening, inclinable	2 pcs.	0.2	58FM002
Licross trunking rail, 1-length, L = 1,590, white	1 pc.	1.7	58FS001
Licross trunking rail, 2-length, L = 3,180, white	1 pc.	3.5	58FS002
Licross trunking rail, 3-length, L = 4,770, white	1 pc.	5.2	58FS003
Licross connector	1 pc.	0.3	58FS005
Licross blank cover, PC+ABS, white	1 pc.	0.2	58FS006
Licross end cap, PC, white	2 pcs.	0.1	59TP1S
Chain suspension for Licross, steel, galvanized	1 pc.	0.1	59TR9K
Chain, steel, galvanized	1 running m	0.1	5LY9001
Single wire suspension for Licross, with wire, fastening on rail side	1 pc.	0.1	59TR9R
Single wire suspension for Licross, with ceiling sleeve, fastening on rail side	1 pc.	0.1	59TR9RS



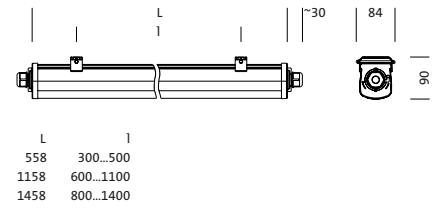
Details and further variants for Monsun 21

Monsun 31

The practical damp-proof luminaire with clever features.

- Flexibly positionable mounting clips for easy installation using existing mounting points
- Lower installation effort thanks to through-wiring to the next luminaire and tool-free electrical connection system
- Robust housing, economical operation, long system life of up to 50,000 h
- Optimized, highly efficient LED system
- Dimmable DALI version available





Monsun 31, damp-proof luminaire

- Cover: Diffuser made of PC, frosted, direct distribution, symmetric
- Luminaire with integrated through-wiring
- Luminaire housing made of PC, light gray (RAL 7035)
- Protection rating: IP66
- Safety class: II
- Protection symbol: D
- Impact resistance: IK08
- Permissible ambient temperature: -20 ... +40 °C
- Complies with IFS requirements for safety and quality in the food industry, photobiological safety, risk class 0
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE, ENEC

K	CRI	lm	W	lm/W	Control	$\frac{L}{[mm]}$	Kg	Order no.
with through-wiring 3 × 2.5 mm² + 1 × 1.5 mm²								
4,000	> 80	2,300	19	121	ON/OFF	558	0.7	51FA207D420B
4,000	> 80	3,000	22	136	ON/OFF	1,158	1.2	51FA207K430B
4,000	> 80	5,100	38	134	ON/OFF	1,158	1.2	51FA207K450B
4,000	> 80	3,800	28	136	ON/OFF	1,458	1.4	51FA207P430B
4,000	> 80	6,700	50	134	ON/OFF	1,458	1.5	51FA207P460B

with through-wiring 5 × 2.5 mm² + 1 × 1.5 mm²								
4,000	> 80	2,300	19	121	DALI	558	0.8	51FA20DD420B
4,000	> 80	3,000	22	136	DALI	1,158	1.3	51FA20DK430B
4,000	> 80	5,100	38	134	DALI	1,158	1.3	51FA20DK450B
4,000	> 80	3,800	28	136	DALI	1,458	1.5	51FA20DP430B
4,000	> 80	6,700	50	134	DALI	1,458	1.5	51FA20DP460B

Accessories

		Kg	Order no.
Chain, steel, galvanized	1 running m	0.1	5LY9001
Emergency lighting element	1 pc.	0.7	58FA207A403B3G
PIR-sensor	1 pc.	0.5	58FA101



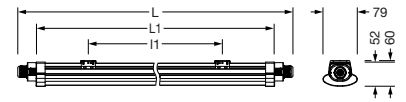
Details and further variants for Monsun 31

Monsun 41

The uncomplicated, robust damp-proof luminaire.

- Adaptable to different lighting tasks due to multilumen technology for adjustable light packages
- Discreet ceiling illumination via indirect component
- Uncomplicated refurbishment solution thanks to use of existing mounting points and freely positionable mounting clips
- Robust, impact-resistant PC housing with stainless steel mounting clips
- Variants with through-wiring available






	L	L1	I1
51FK20MK	1275	1200	600...1100
51FK20MN	1575	1500	800...1400

Monsun 41, damp-proof luminaire

- Cover made of PC, direct distribution, symmetric
- Luminaire housing made of PC, gray
- Protection rating: IP65
- Safety class: II
- Protection symbol: D
- Impact resistance: IK08
- Complies with IFS requirements for safety and quality in the food industry
- Permissible ambient temperature: -20 ... +35 °C
- Service life 50,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Order no.
without through-wiring						
4,000	> 80	2,000 4,000	30	130	ON/OFF Multilumen	0.7 51FK20MK440A
4,000	> 80	3,500 6,000	46	130	ON/OFF Multilumen	0.8 51FK20MN460A
with through-wiring						
4,000	> 80	2,000 4,000	30	130	ON/OFF Multilumen	0.8 51FK20MK440A003
4,000	> 80	3,500 6,000	46	130	ON/OFF Multilumen	0.9 51FK20MN460A003



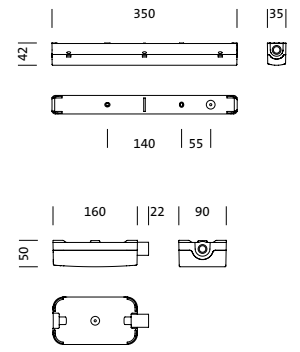
Details and further variants for Monsun 41

Powerbrik

Simple, small, robust.

- Compact, robust luminaire for demanding ambient conditions
- Housing and cover of impact-resistant PC (up to IK09)
- High installation/operating safety due to encapsulated LED and ECG unit





Powerbrik Slim & Powerbrik damp-proof luminaire

- Diffuser made of PC, symmetric
- Housing made of PC, traffic white (RAL 9016)
- Protection rating: IP65
- Safety class: II
- Protection symbol: D
- Complies with IFS requirements for safety and quality in the food industry
- Impact resistance: IK05 or IK09
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L70/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	IK	Control	Length	Width	kg	Order no.
Powerbrik Slim										
4,000	> 80	900	9.5	95	05	ON/OFF	350 mm	35 mm	0.4	0LS5297L10840S
Powerbrik										
4,000	> 80	900	9.5	95	09	ON/OFF	160 mm	90 mm	0.3	0LS5297L10840

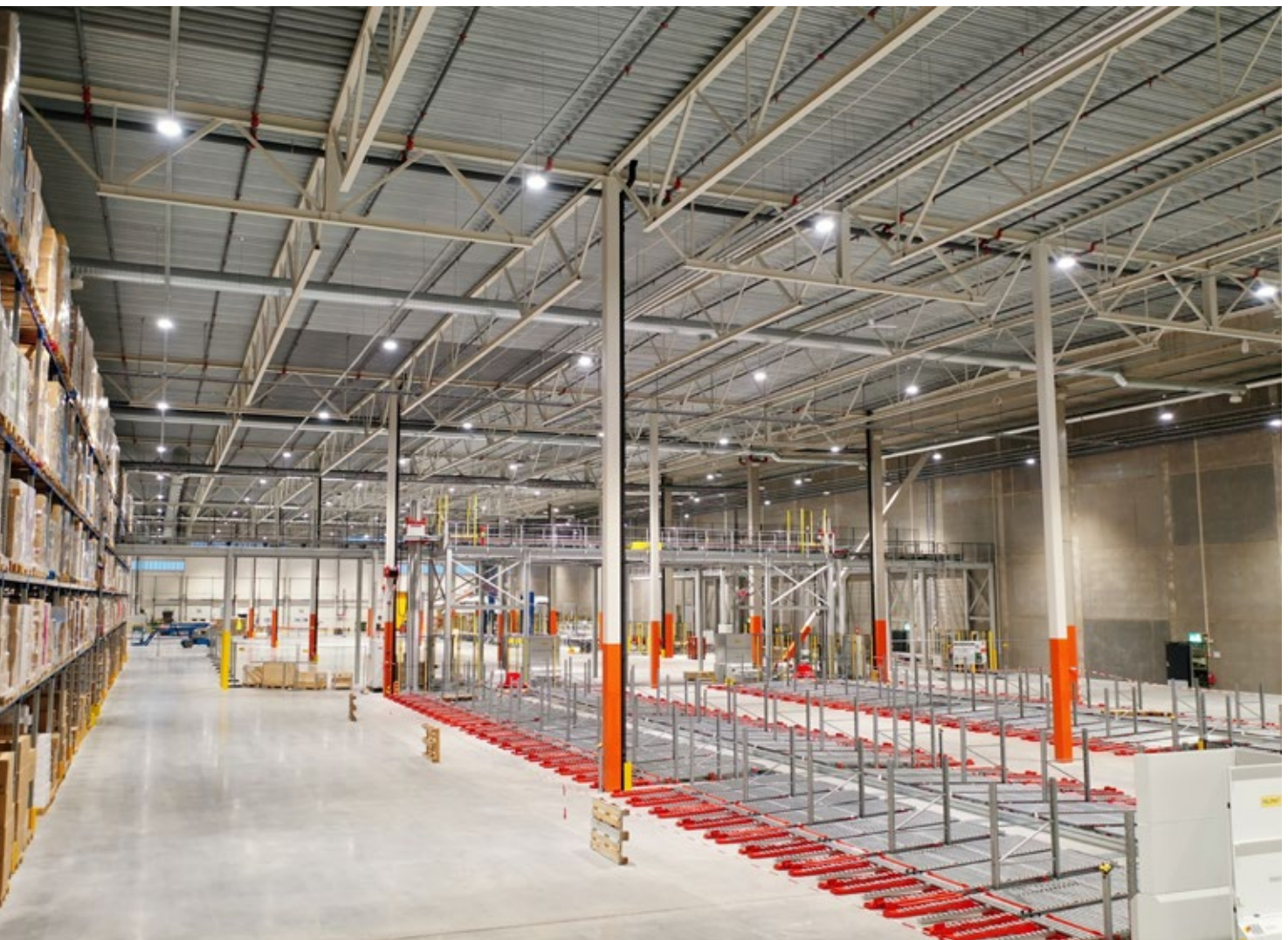


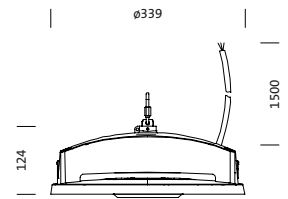
Details and further variants for Powerbrik

Highbay 31

The universal talent: reliable and efficient with intelligent control.


- Long service life of 70,000 h (L80/B50) at AT = 25 °C
- Can also be used at increased ambient temperatures of up to 45 °C due to excellent thermal management for LED and driver
- Reflectors made of aluminum and PC to optimize glare control (accessories)
- Efficient light control and good visual comfort in narrow and wide distribution due to lens optic made of robust, UV-stabilized PC
- Suitable for demanding ambient conditions (IP65/IK08) and for the food industry (IFS)
- Variants available with integrated PIR-sensor







Highbay 31 S, highbay luminaire

- Cover glass made of PC, clear, with lens, direct distribution, rotationally symmetric
- For suspended mounting or surface-mounting, with cable, 3 × 1.0 mm², cable length: 1.5 m, free wire ends
- Housing rotationally symmetric, made of die-cast aluminum, metallic gray (RAL 9007)
- Protection rating: IP65
- Safety class: I
- Protection symbol: D
- Impact resistance: IK08
- Complies with IFS requirements for safety and quality in the food industry
- Permissible ambient temperature: -30 ... +45 °C
- Service life 70,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE, ENEC

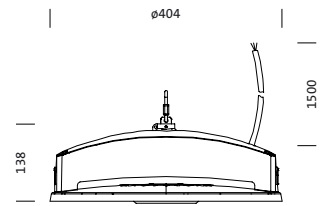
K	CRI	lm	W	lm/W	Control	 kg	Order no.
<i>rotationally symmetric distribution, 60°</i>							
4,000	> 80	14,000	93	150	ON/OFF	3.3	51HC417A4FMA
4,000	> 80	14,000	93	150	DALI	3.8	51HC41DA4FMA
4,000	> 80	20,000	133	150	ON/OFF	3.4	51HC417A4JMA
4,000	> 80	20,000	133	150	DALI	3.8	51HC41DA4JMA
<i>rotationally symmetric distribution, 90°</i>							
4,000	> 80	14,000	93	150	ON/OFF	3.3	51HC427A4FMA
4,000	> 80	14,000	93	150	DALI	3.8	51HC42DA4FMA
4,000	> 80	20,000	133	150	ON/OFF	3.4	51HC427A4JMA
4,000	> 80	20,000	133	150	DALI	3.8	51HC42DA4JMA

Accessories

		 kg	Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm ²	1 pc.	0.1	5NX30003
System connector: plug/socket, IP65, 5-pole, max. 2.5 mm ²	1 pc.	0.1	5NX30005
Reflector, ø = 480 mm, PC, clear prismatic structure, rotationally symmetric narrow to wide distribution	1 pc.	0.6	59HC91001
Reflector, ø = 410 mm, aluminum, Alu-Soft, rotationally symmetric narrow to wide distribution	1 pc.	0.7	59HC91003
Mounting bracket, 323 mm	1 pc.	1.0	59HC92001



Details and further variants for Highbay 31 S



Highbay 31 L, highbay luminaire

- Cover glass made of PC, clear, with lens, direct distribution, rotationally symmetric
- For suspended mounting or surface-mounting, with cable, $3 \times 1.0 \text{ mm}^2$, cable length: 1.5 m, free wire ends
- Housing rotationally symmetric, made of die-cast aluminum, metallic gray (RAL 9007)
- Protection rating: IP65
- Safety class: I
- Protection symbol: D
- Impact resistance: IK08
- Complies with IFS requirements for safety and quality in the food industry
- Permissible ambient temperature: $-30 \dots +45 \text{ }^\circ\text{C}$
- Service life 70,000 h (L80/B50) at $\text{AT} = 25 \text{ }^\circ\text{C}$
- Approval designation: CE, ENEC

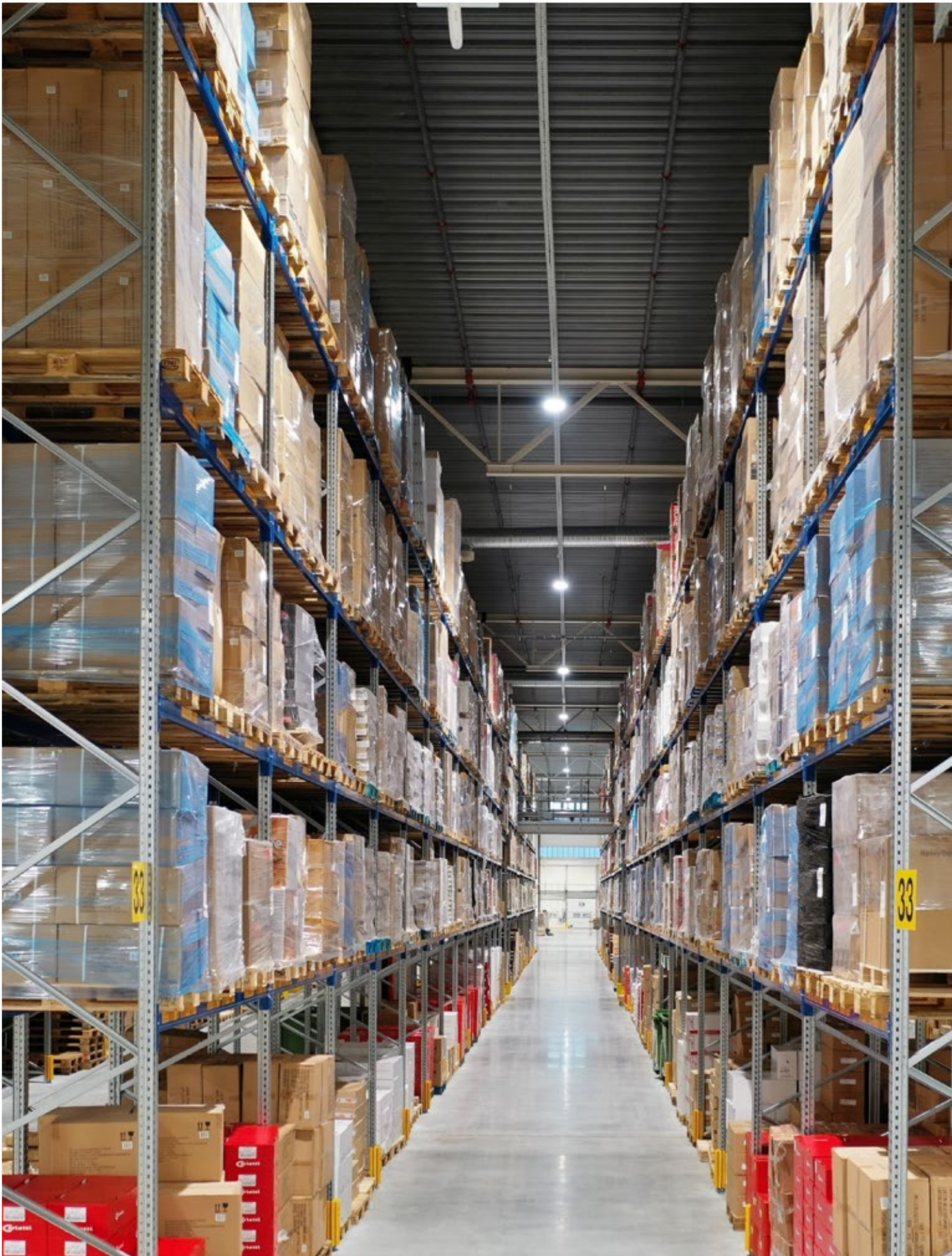
K	CRI	lm	W	lm/W	Control	kg	Order no.
<i>rotationally symmetric distribution, 60°</i>							
4,000	> 80	28,000	187	150	ON/OFF	4.1	51HC417A4MMA
4,000	> 80	28,000	187	150	DALI	4.7	51HC41DA4MMA
<i>rotationally symmetric distribution, 90°</i>							
4,000	> 80	28,000	187	150	ON/OFF	4.1	51HC427A4MMA
4,000	> 80	28,000	187	150	DALI	4.7	51HC42DA4MMA

Accessories

	kg	Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm ²	1 pc. 0.1	5NX30003
System connector: plug/socket, IP65, 5-pole, max. 2.5 mm ²	1 pc. 0.1	5NX30005
Reflector, $\varnothing = 570 \text{ mm}$, PC, clear prismatic structure, rotationally symmetric narrow to wide distribution	1 pc. 1.7	59HC91002
Reflector, $\varnothing = 570 \text{ mm}$, aluminum, Alu-Soft, rotationally symmetric narrow to wide distribution	1 pc. 1.5	59HC91004
Mounting bracket, 400 mm	1 pc. 1.2	59HC92002



Details and further variants
for Highbay 31 L

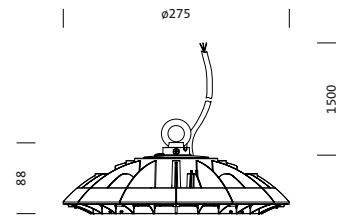


Highbay 41

The standard for many applications: robust and practical.


- Long service life (50,000 h L80) and use at elevated ambient temperatures up to 40 °C thanks to excellent thermal management of LEDs and driver
- Multi-lumen version with DIP-switch
- Efficient light control and good visual comfort with wide distribution lens optic made of robust UV-stabilized PC
- Reflectors made of aluminum and PP available as accessories for optimizing glare control
- Suitable for demanding ambient conditions (IP65/IK08) and for the food industry (IFS)







Highbay 41 S, highbay luminaire

- Cover glass made of PC, clear, with lens, direct distribution, rotationally symmetric
- For suspended mounting or surface-mounting, with cable, 3 × 1.0 mm², cable length: 1.5 m, free wire ends
- Housing rotationally symmetric, made of die-cast aluminum, black
- Protection rating: IP65
- Safety class: I
- Protection symbol: D
- Impact resistance: IK08
- Complies with IFS requirements for safety and quality in the food industry
- Permissible ambient temperature: -20 ... +40 °C
- Service life 50,000 h (L85/B50) at AT = 25 °C
- Approval designation: CE

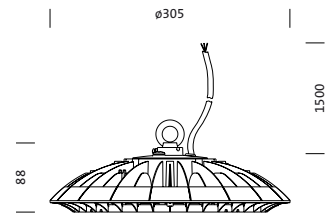
K	CRI	lm	W	lm/W	Control	 kg	Order no.
<i>rotationally symmetric distribution, 90°</i>							
4,000	> 80	12,800	80	160	ON/OFF	1.8	51HP327A4FMA
4,000	> 80	19,200	120	160	ON/OFF	1.8	51HP327A4HMA

Accessories

		 kg	Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm ²	1 pc.	0.1	5NX30003
System connector: plug/socket, IP65, 5-pole, max. 2.5 mm ²	1 pc.	0.1	5NX30005
Reflector, ø = 410 mm, PC, clear prismatic structure, rotationally symmetric, wide distribution, 100°	1 pc.	0.5	59HP91001
Reflector, ø = 435 mm, aluminum, Alu-Soft, rotationally symmetric, wide distribution, 100°	1 pc.	0.4	59HP91003
Mounting bracket, 166 mm	1 pc.	0.4	59HP92001




Details and further variants for Highbay 41





Highbay 41 L, highbay luminaire

- Cover glass made of PC, clear, with lens, direct distribution, rotationally symmetric
- For suspended mounting or surface-mounting, with cable, $3 \times 1.0 \text{ mm}^2$, cable length: 1.5 m, free wire ends
- Housing rotationally symmetric, made of die-cast aluminum, black
- Protection rating: IP65
- Safety class: I
- Protection symbol: D
- Impact resistance: IK08
- Complies with IFS requirements for safety and quality in the food industry
- Permissible ambient temperature: $-20 \dots +40 \text{ }^\circ\text{C}$
- Service life 50,000 h (L80/B50) at $AT = 25 \text{ }^\circ\text{C}$
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Order no.
<i>rotationally symmetric distribution, 90°</i>						
4,000	> 80	10,000 ... 28,000	175	160	ON/OFF Multilumen	2.4 51HP32MB4MMA
5,700	> 80	10,000 ... 28,000	175	160	ON/OFF Multilumen	2.4 51HP32MB7MMA

Accessories

		 Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm ²	1 pc.	0.1 5NX30003
System connector: plug/socket, IP65, 5-pole, max. 2.5 mm ²	1 pc.	0.1 5NX30005
Reflector, $\varnothing = 410 \text{ mm}$, PC, clear prismatic structure, rotationally symmetric, wide distribution, 100°	1 pc.	0.5 59HP91001
Reflector, $\varnothing = 435 \text{ mm}$, aluminum, Alu-Soft, rotationally symmetric, wide distribution, 100°	1 pc.	0.4 59HP91003
Mounting bracket, 166 mm	1 pc.	0.4 59HP92001



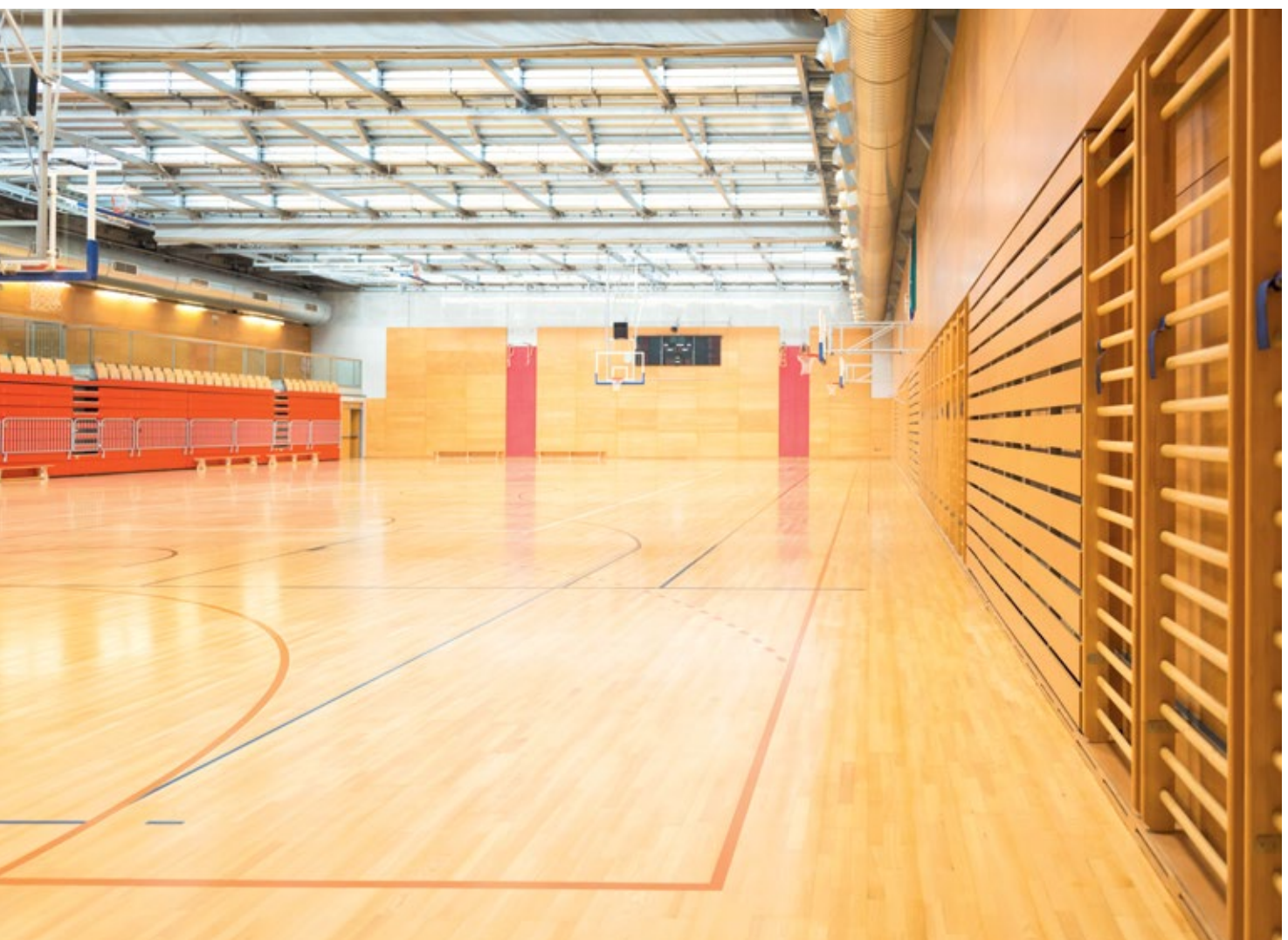
Details and further variants
for Highbay 41

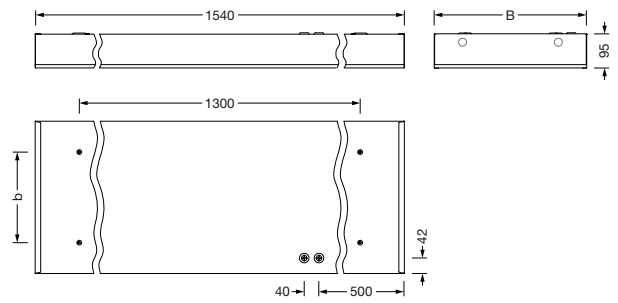


Sport 31

The athlete among highbay luminaires.

- Precisely matched lumen packages for any room height
- High visual comfort even for overhead sports due to first-class glare control
- Ball-proof, solid and robust
- Simple and fast mounting due to easily accessible mounting space and preparation for continuous row arrangements





	B	b
51HS12DC3DCA	315	147
51HS12DC4DCA	315	147
51HS12DC4ECA	315	147
51HS12DC4GCA	415	247
51HS12DC4JCA	415	247

Sport 31, highbay luminaire

- Cover panel made of PC, clear, with lens, direct distribution, symmetric
- For suspended mounting, surface-mounting, recessing, with terminal, 5-pole, max 2.5 mm²
- Sheet steel housing, traffic white
- Protection rating: IP20
- Safety class: I
- Impact resistance: IK08
- Ball-proof with ceiling mounting or chain suspension
- Permissible ambient temperature: -20 ... +35 °C
- Service life 50,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE, ENEC

K	CRI	lm	W	lm/W	Control	Kg	Order no.
Width 315 mm							
3,000	> 80	7,500	58	130	DALI 2	12.5	51HS12DC3DCA
4,000	> 80	8,000	58	135	DALI 2	12.5	51HS12DC4DCA
4,000	> 80	12,000	88	137	DALI 2	12.5	51HS12DC4ECA
Width 415 mm							
4,000	> 80	16,000	117	137	DALI 2	14.8	51HS12DD4GCA
4,000	> 80	20,000	146	137	DALI 2	14.8	51HS12DD4JCA

Accessories

		Kg	Order no.
Recessing frame, for luminaire L × W = 1,540 × 315 mm	1 pc.	2.6	59HS91001
Recessing frame, for luminaire L × W = 1,540 × 415 mm	1 pc.	2.7	59HS91002
Double chain suspension, steel, galvanized	2 pcs.	0.7	59HS91003
4-fold chain suspension, steel, galvanized	1 pc.	0.4	59HS91004
Through-wiring, 5-core, 1.5 mm ² , for seamless continuous rows	1 pc.	0.1	59HS92001

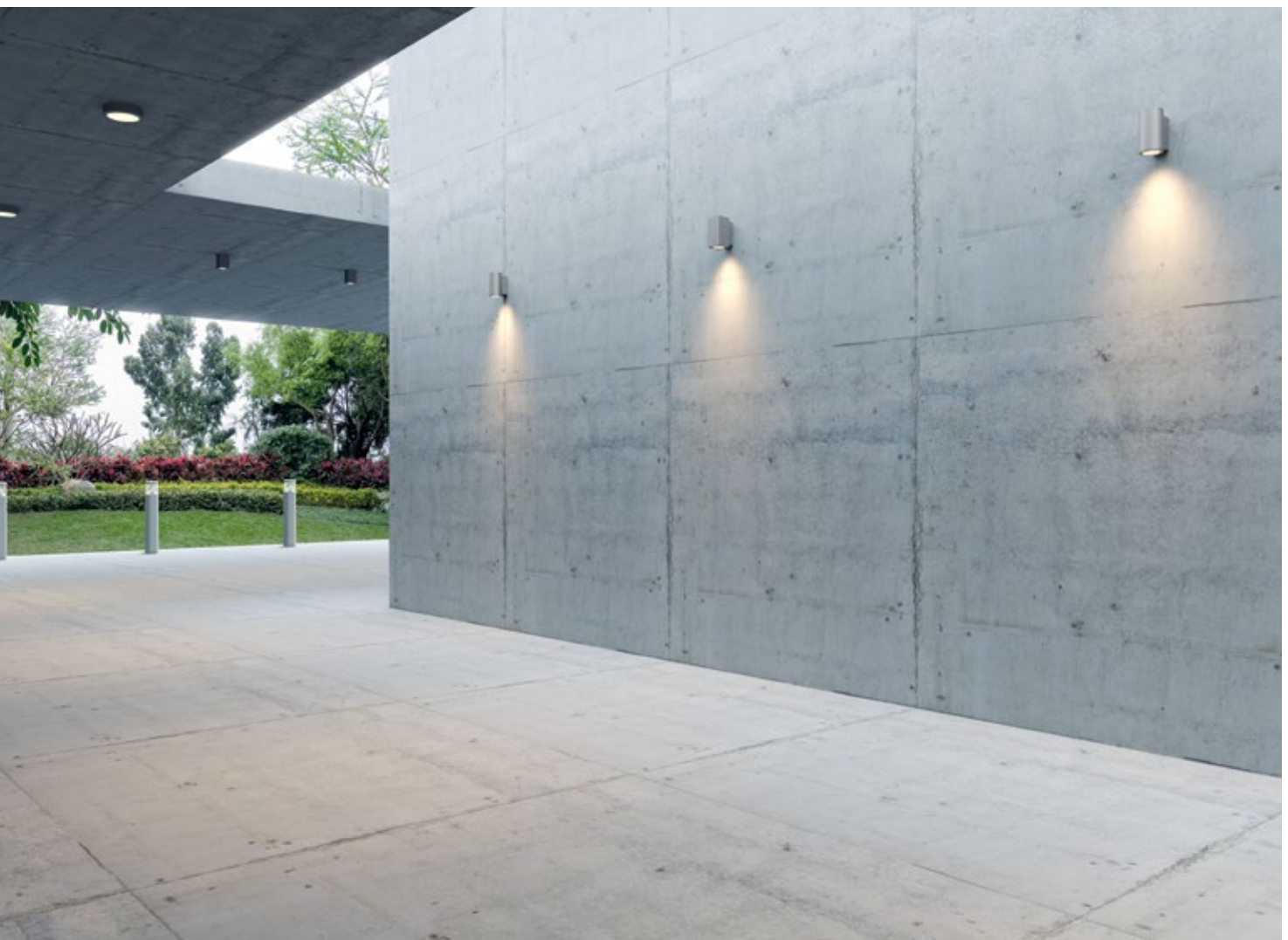


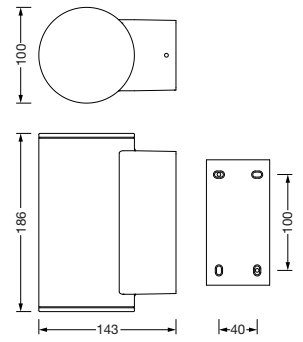
Details and further variants for Sport 31

CL 31

Building vicinity light for atmosphere, style and safety.


- Attractive facade and path lighting with purist design
- Ideal for prestigious entrance areas and facades of hotels, office, residential and industrial buildings or the retail sector
- Professional quality of light creates safety and maximum visual comfort
- Clever installation details ensure easiest possible mounting
- High quality components enable long, maintenance-free operation
- Designed for service life > 20 years





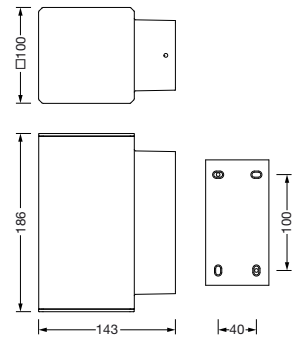
CL 31 Wall, round

- Primary light control with reflectors made of aluminum
- Cover panel made of glass, clear, symmetric
- Wall surface-mounting
- With 5-pole terminal, max. 2.5 mm²
- Luminaire housing, round, made of aluminum, powder-coated in SITECO metallic gray (DB 702S)
- Protection rating: IP65
- Safety class: I
- Impact resistance: IK09
- Permissible ambient temperature: -20 ... +50 °C
- Service life 65,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	 Kg	Order no.
<i>symmetric medium direct distribution, 36°</i>							
3,000	> 80	1 × 300	2.8	106	DALI	1.7	5CL513613
<i>symmetric medium direct/indirect distribution, 36°</i>							
3,000	> 80	2 × 300	5.5	110	DALI	1.7	5CL513623



Details and further variants
for CL 31



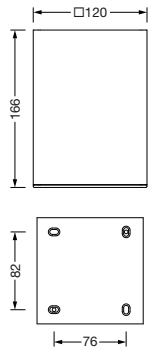
CL 31 Wall, square

- Primary light control via reflector made of aluminum
- Cover panel made of glass, clear, symmetric
- Wall surface-mounting
- With 5-pole terminal, max. 2.5 mm²
- Luminaire housing, square, made of aluminum, powder-coated in Siteco metallic gray (DB 702S)
- Protection rating: IP65
- Safety class: I
- Impact resistance: IK09
- Permissible ambient temperature: -20 ... +50 °C
- Service life 65,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
<i>symmetric medium direct distribution, 36°</i>							
3,000	> 80	1 × 300	2.8	106	DALI	1.8	5CL553613
<i>symmetric medium direct/indirect distribution, 36°</i>							
3,000	> 80	2 × 300	5.5	110	DALI	1.8	5CL563623



Details and further variants
for CL 31



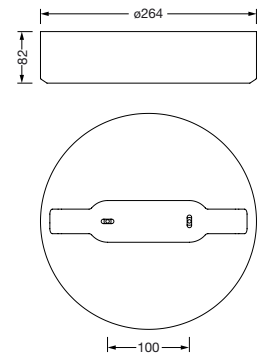
CL 31 Ceiling, square

- Primary light control via reflector made of aluminum
- Cover panel made of glass, clear, symmetric
- Ceiling surface-mounting
- With 5-pole terminal, max. 2.5 mm²
- Luminaire housing, square, made of aluminum, powder-coated in Siteco metallic gray (DB 702S)
- Protection rating: IP65
- Safety class: I
- Impact resistance: IK09
- Permissible ambient temperature: -20 ... +50 °C
- Service life 65,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
<i>symmetric medium distribution, 36°</i>							
3,000	> 80	1,500	15	100	DALI	1.8	5CL613603



Details and further variants for CL 31



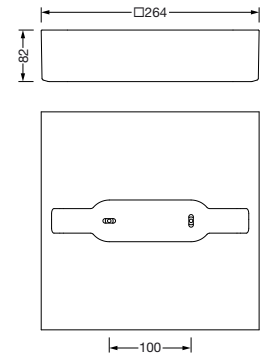
CL 31 Bulkhead, round

- Primary light control via reflector
- Cover panel made of PC, opal, symmetric
- Wall or ceiling surface-mounting
- With 5-pole terminal, max. 2.5 mm²
- Luminaire housing, round, made of aluminum, powder-coated in Siteco metallic gray (DB 702S)
- Protection rating: IP65
- Safety class: I
- Impact resistance: IK09
- Permissible ambient temperature: -20 ... +50 °C
- Service life 60,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
symmetric diffuse distribution							
3,000	> 80	1,575	15	105	DALI	2.4	5CL721603



Details and further variants
for CL 31



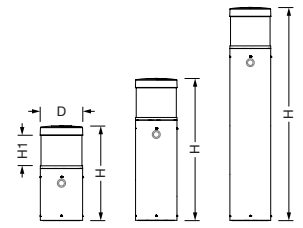
CL 31 Bulkhead, square

- Primary light control via reflector
- Cover panel made of PC, opal, symmetric
- Wall or ceiling surface-mounting
- With 5-pole terminal, max. 2.5 mm²
- Luminaire housing, square, made of aluminum, powder-coated in Siteco metallic gray (DB 702S)
- Protection rating: IP65
- Safety class: I
- Impact resistance: IK09
- Permissible ambient temperature: -20 ... +50 °C
- Service life 60,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
symmetric diffuse distribution							
3,000	> 80	1,575	15	105	DALI	2.6	5CL761603




Details and further variants
for CL 31



H	H1	D
400	128	176
600	128	176
900	128	176

CL 31 Bollard

- Primary light control with lens made of PC
- Cover panel made of PC, asymmetric
- Secondary light control via reflector made of PC
- With 5-pole terminal, max. 2.5 mm²
- Luminaire housing, round, made of aluminum, powder-coated in Siteco metallic gray (DB 702S)
- Protection rating: IP65
- Safety class: I
- Impact resistance: IK10
- Permissible ambient temperature: -20 ... +50 °C
- Service life 100,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	H	 kg	Order no.
<i>asymmetric extremely wide distribution</i>								
3,000	> 80	800	7.2	110	DALI	400	3.6	5CL424603
3,000	> 80	1,500	15	107	DALI	600	4.7	5CL434603
3,000	> 80	1,500	15	107	DALI	900	6.2	5CL444603
<i>asymmetric extremely wide distribution, PIR sensor</i>								
3,000	> 80	800	7.2	110	DALI	400	3.7	5CL424803
3,000	> 80	1,500	15	107	DALI	600	4.9	5CL434803
3,000	> 80	1,500	15	107	DALI	900	6.3	5CL444803



Details and further variants
for CL 31

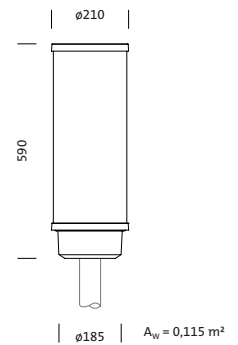


Litepole

Modular into the future of city lighting.

- Easy installation and low maintenance due to future-oriented modular design for exchangeable LED module and gear tray
- Luminous module body as a visual guidance element with decorative day/night time effect
- Low energy consumption due to high efficacy of up to 140 lm/W and avoidance of overplanning due to patented CLO 2.0 luminous flux tracking
- High visual comfort due to uniform illumination and very good glare control – can be further improved with spreader element





Litepole with Module 540 Plus

- Primary light control with 3-zone faceted reflector made of synthetic material, silver coated, highly specular, structured
- Cover made of PMMA, clear
- Control: overheating protection, power reduction, digital communication interface, time-dependent luminous flux control, flexible parameterization of luminous flux
- Upper part of luminaire housing made of polyester, glass fiber reinforced, coated Siteco metallic gray

- (DB 702S), mast mounting element made of die-cast aluminum, coated metallic gray (DB 702S)
- Recommended mounting height: 3 ... 5 m
- Module 540 Plus, traffic white (RAL 9016)
- Spigot size: d × l = 76 × 70 mm
- Protection rating: IP65
- Safety class: II
- Service life: 100,000 h at AT = 25 °C
- Approval designation: CE, ENEC, VDE

K	CRI	Im	W _{start}	W _{end}	W _{red}	Control	Order no.
asymmetric wide distribution, ST1.2a							
3,000	> 80	1,540	14	14	7	Plus	5.9 5XA5413EB14H
4,000	> 70	1,440	11	11	6	Plus	5.9 5XA5413KB14H
symmetric wide distribution, PL1.2s							
3,000	> 80	2,990	26	27	12	Plus	5.9 5XA5413JB14H
4,000	> 70	3,650	26	27	13	Plus	5.9 5XA5413RB14H

Accessories			Order no.
Spreader element	2 pcs.	0.2	5XA54000XS
Spreader element, amber	2 pcs.	0.2	5XA54000XSA
Shielding on building side, H = 150 mm	1 pc.	0.1	5XA54000XBS
Shielding on building side, H = 200 mm	1 pc.	0.1	5XA54000XBL
Decorative ring, silver	1 pc.	0.2	5XA54001XS
Reducer, spigot size: 76/60 mm	1 pc.	0.1	5LA52201XR
Mast cable set for Plus variant, L = 4 m	1 pc.	0.8	5EA6Y00L02
Mast cable set for Plus variant, L = 5 m	1 pc.	0.9	5EA6Y00L03



Details and further variants for Litepole

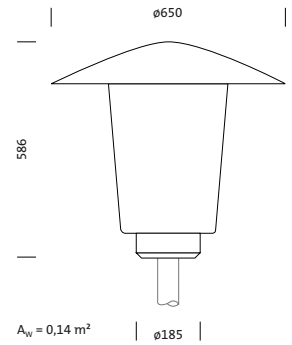
Receive your luminaires preconfigured on request:
 e.g. light color | light distribution | luminous flux | parameterizations | cables

Mushroom luminaire

Modular into the future of city lighting.

- Easy installation and low maintenance due to future-oriented modular design for exchangeable LED module and gear tray
- Luminous module body as a visual guidance element with decorative day/night time effect
- Low energy consumption due to high efficacy of up to 140 lm/W
- High visual comfort due to uniform illumination and very good glare control – can be further improved with spreader element





Mushroom luminaire with Module 540 Plus

- Primary light control with 3-zone faceted reflector made of synthetic material, silver coated, highly specular, structured, direct distribution
- Cover made of PMMA, clear
- Control: overheating protection, electronic power reduction, digital communication interface, time-dependent luminous flux control, flexible parameterization of luminous flux
- Upper part of luminaire housing made of polyester, glass fiber reinforced, coated Siteco metallic gray

- (DB 702S), mast mounting element made of die-cast aluminum, coated metallic gray (DB 702S)
- Recommended mounting height: 3 ... 5 m
- Module 540 Plus, traffic white (RAL 9016)
- Spigot size: d × l = 76 × 70 mm
- Protection rating: IP65
- Safety class: II
- Service life: 100,000 h at AT = 25 °C
- Approval designation: CE, ENEC, VDE

K	CRI	Im	W _{start}	W _{end}	W _{red}	Control	Order no.
<i>direct asymmetric wide distribution, ST1.2a</i>							
3,000	> 80	1,550	14	14	7	Plus	7.0 5XA5233EB14H
4,000	> 70	1,550	11	11	6	Plus	7.0 5XA5233KB14H
<i>direct symmetric wide distribution, PL1.2s</i>							
3,000	> 80	3,020	26	27	12	Plus	7.0 5XA5233JB14H
4,000	> 70	3,680	26	27	13	Plus	7.0 5XA5233RB14H

Accessories		Order no.
Spreader element	2 pcs.	0.2 5XA54000XS
Spreader element, amber	2 pcs.	0.2 5XA54000XSA
Shielding on building side, H = 150 mm	1 pc.	0.1 5XA54000XBS
Shielding on building side, H = 200 mm	1 pc.	0.1 5XA54000XBL
Decorative ring, silver	1 pc.	0.2 5XA54001XS
Reducer, spigot size: 76/60 mm	1 pc.	0.1 5LA52201XR
Mast cable set for Plus variant, L = 4 m	1 pc.	0.8 5EA6Y00L02
Mast cable set for Plus variant, L = 5 m	1 pc.	0.9 5EA6Y00L03



Details and further variants for Mushroom luminaire

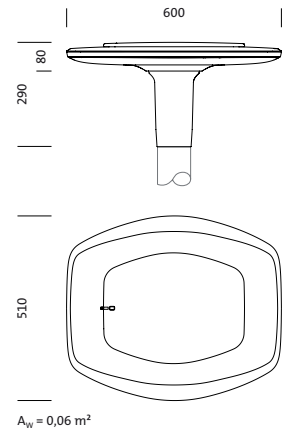
Receive your luminaires preconfigured on request:
 e.g. light color | light distribution | luminous flux | parameterizations | cables

DL 30

Fresh urban aesthetics.


- Decorative luminaire with visual guidance along the road thanks to discreet display of the mast mounting element
- Optionally available with optic for 270° distribution especially developed for intersections
- Modern lighting technology with customized light distributions and high quality specular reflectors for glare-free light with constant quality of light
- Low maintenance requirements due to permanently clear, translucent PMMA cover







DL 30 LED, mast luminaire

- Primary light control with 3-zone faceted reflector made of synthetic material, silver coated, highly specular
- Cover made of PMMA, structured, clear, direct distribution, symmetric
- Control: overheating protection, flexible luminous flux parameterization, time-dependent luminous flux control, digital communication interface, power reduction, optimized constant luminous flux control (CLO 2.0), electronic power reduction
- Luminaire housing made of die-cast aluminum, powder-coated Siteco metallic gray (DB 702S)
- Recommended mounting height: 3.5 ... 6 m
- For spigot size: d × l = 76 × 100 mm (post-top)
- Protection rating: IP66
- Safety class: II
- Impact resistance: IK08
- Service life 100000 h (L97/B10) at AT = 25 °C
- Approval designation: CE, ENEC, VDE

K	CRI	Im	W _{start}	W _{end}	W _{red}	Control	 Order no.
direct asymmetric wide distribution, ST1.2a							
3,000	> 80	2,400	23	23	11	Plus	7.7 5XA5132E1B08A4
4,000	> 70	2,740	21	22	11	Plus	7.7 5XA5132K1B08A4
direct symmetric wide distribution, PL1.2s							
3,000	> 80	3,100	29	30	14	Plus	7.8 5XA5132J1B08A4
4,000	> 70	3,540	28	29	14	Plus	7.8 5XA5132R1B08A4

Accessories		 Order no.
Reducer, Siteco metallic gray (DB 702S), spigot size: 76/60 mm	1 pc.	0.1 5NA24600XR2
Mast cable set for Plus variant, L = 4 m	1 pc.	0.8 5EA6Y00L02
Mast cable set for Plus variant, L = 5 m	1 pc.	0.9 5EA6Y00L03



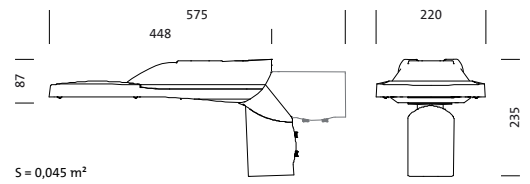
Details and further variants for DL 30

Streetlight SL 31

Simply practical light – robust, cost-efficient and future-proof.


- Low operating costs thanks to very high energy efficiency with luminous efficacy of up to 153 lm/W
- Long service life of more than 100,000 h thanks to the sustainable product concept and durable components
- Smart City Ready: future-proof thanks to optional Zhaga or NEMA interfaces for state of the art lighting control, wireless connectivity and versatile sensor technology







Streetlight SL 31 micro, mast luminaire

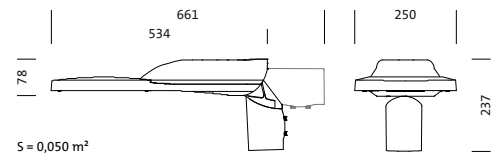
- Primary light control with lens made of PMMA
- Cover made of toughened safety glass, clear, direct distribution, asymmetric
- For post-top or side-entry mounting
- Control: overheating protection, power reduction, digital communication interface, constant luminous flux control, time-dependent luminous flux control, flexible parameterization of luminous flux, electronic power reduction
- Luminaire housing made of die-cast aluminum, powder-coated Siteco metallic gray (DB 702S)
- Recommended mounting height: 3 ... 6 m
- Surge protection: 10 kV
- Protection rating: IP66
- Safety class: II
- Impact resistance: IK08
- Permissible ambient temperature: -30 ... +50 °C
- Service life 100,000 h at AT = 25 °C
- Approval designation: CE, ENEC, ENEC+

K	CRI	lm	Control	 Order no.
<i>direct asymmetric wide distribution, ST1.0a</i>				
3,000	> 70	4,900	Plus	3.6 5XF1E32D08DA
4,000	> 70	5,250	Plus	3.6 5XF1E42D08DA

Accessories		 Order no.
Reducer, spigot size: 76/42 mm	1 pc.	0.1 5XC1008XR14






Details and further variants for Streetlight SL 31 micro



Streetlight SL 31 mini, mast luminaire

- Primary light control with lens made of PMMA
- Cover made of toughened safety glass, clear, direct distribution, asymmetric
- For post-top or side-entry mounting
- Control: overheating protection, power reduction, digital communication interface, constant luminous flux control, time-dependent luminous flux control, flexible parameterization of luminous flux, electronic power reduction
- Luminaire housing made of die-cast aluminum, powder-coated Siteco metallic gray (DB 702S)
- Recommended mounting height: 4 ... 8 m
- Surge protection: 10 kV
- Protection rating: IP66
- Safety class: II
- Impact resistance: IK08
- Permissible ambient temperature: -30 ... +50 °C
- Service life 100,000 h at AT = 25 °C
- Approval designation: CE, ENEC, ENEC+

K	CRI	lm	Control	 Order no.
<i>direct asymmetric wide distribution, ST1.0a</i>				
3,000	> 70	8,400	Plus	4.7 5XF2E32D08HA
4,000	> 70	9,000	Plus	4.7 5XF2E42D08HA

Accessories		 Order no.
Reducer, spigot size: 76/42 mm	1 pc.	0.1 5XC1008XR14



Details and further variants
for Streetlight SL 31 mini



SiCompact 31

micro/mini/midi

Industrial design meets state of the art technology.

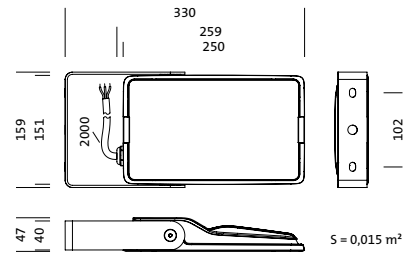
- Simple, quick installation thanks to mounting bracket and pre-assembled 2 m connection cable
- Efficient operation with up to 167 lm/W and asymmetric narrow light distribution
- Highly flexible for all applications with three sizes and luminous fluxes from 4,000 to 27,000 lm
- Robust housing and ESD-protected LED module, dustproof and high vibration stability tested with 250,000 strikes

maxi

The new top performer.


- Simple, quick installation thanks to mounting bracket and connection in the housing space
- Efficient operation with up to 143 lm/W and asymmetric narrow light distribution
- Future-proof with replaceable ECG
- Connection to control systems via DALI





SiCompact 31 micro, floodlight

- Primary light control with lens technology
- Cover made of toughened safety glass, clear, direct distribution, asymmetric
- With cable, 3 × 1.5 mm², pre-assembled, cable length: 2 m
- Housing made of die-cast aluminum, specular, metallic gray (RAL 9006), bracket made of sheet steel, coated metallic gray (RAL 9006)
- Surge protection: 6 kV
- Protection rating: IP66
- Safety class: I
- Impact resistance: IK08
- Permissible ambient temperature: -40 ... +45 °C
- Service life 73,000 h (L80/B50) at 3,000 K / 100,000 h (L80/B50) at 4,000K at AT = 25 °C
- Approval designation: CE, ENEC

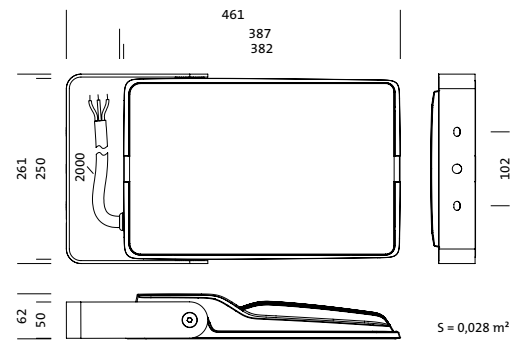
K	CRI	lm	W	lm/W	Control	 Order no.
<i>asymmetric distribution, PL32</i>						
3,000	> 70	4,400	30	147	ON/OFF	2.8 5XA7561A1K23
4,000	> 70	4,400	29	152	ON/OFF	2.8 5XA7561A2K23

Accessories

		 Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm ²	1 pc.	0.1 5NX30003




Details and further variants for SiCompact 31 micro



SiCompact 31 mini, floodlight

- Primary light control with lens technology
- Cover made of toughened safety glass, clear, direct distribution, asymmetric
- With cable, $3 \times 1.5 \text{ mm}^2$, pre-assembled, cable length: 2 m
- Housing made of die-cast aluminum, specular, metallic gray (RAL 9006), bracket made of sheet steel, coated metallic gray (RAL 9006)
- Surge protection: 10 kV
- Protection rating: IP66
- Safety class: I
- Impact resistance: IK08
- Permissible ambient temperature: $-40 \dots +45 \text{ }^\circ\text{C}$
- Service life 73,000 h (L80/B50) at 3,000 K / 100,000 h (L80/B50) at 4,000K at AT = $25 \text{ }^\circ\text{C}$
- Approval designation: CE, ENEC

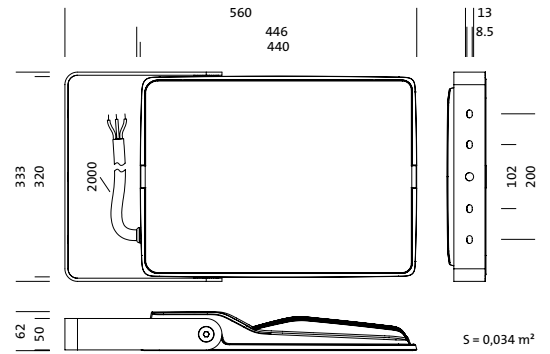
K	CRI	lm	W	lm/W	Control	 Order no.
<i>asymmetric distribution, PL32</i>						
3,000	> 70	8,000	48	167	ON/OFF	5.8 5XA7571B1K23
3,000	> 70	15,000	100	150	ON/OFF	5.8 5XA7571C1K23
3,000	> 70	20,000	130	154	ON/OFF	5.8 5XA7571F1K23
4,000	> 70	8,000	47	170	ON/OFF	5.8 5XA7571B2K23
4,000	> 70	15,000	95	158	ON/OFF	5.8 5XA7571C2K23
4,000	> 70	20,000	130	154	ON/OFF	5.8 5XA7571F2K23

Accessories

		 Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm^2	1 pc.	0.1 5NX30003




Details and further variants
for SiCompact 31 mini





SiCompact 31 midi, floodlight

- Primary light control with lens technology
- Cover made of toughened safety glass, clear, direct distribution, asymmetric
- With cable, 3 × 1.5 mm², pre-assembled, cable length: 2 m
- Housing made of die-cast aluminum, specular, metallic gray (RAL 9006), bracket made of sheet steel, coated metallic gray (RAL 9006)
- Surge protection: 10 kV
- Protection rating: IP66
- Safety class: I
- Impact resistance: IK08
- Permissible ambient temperature: -40 ... +45 °C
- Service life 73,000 h (L80/B50) at 3,000 K / 100,000 h (L80/B50) at 4,000 K at AT = 25 °C
- Approval designation: CE, ENEC

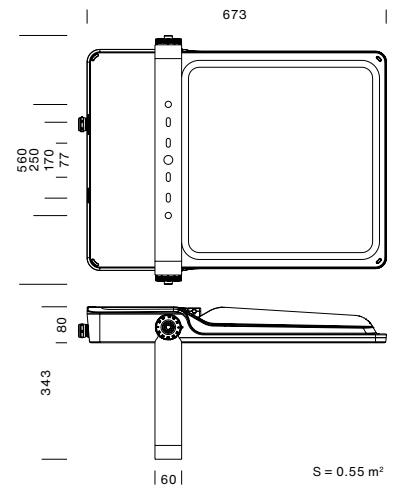
K	CRI	lm	W	lm/W	Control	 Order no.
<i>asymmetric distribution, PL32</i>						
3,000	> 70	27,000	171	158	ON/OFF	9.6 5XA7581D1K23
3,000	> 70	37,000	250	148	ON/OFF	9.6 5XA7581E1K23
4,000	> 70	27,000	165	164	ON/OFF	9.6 5XA7581D2K23
4,000	> 70	37,000	243	152	ON/OFF	9.6 5XA7581E2K23

Accessories

		 Order no.
System connector: plug/socket, IP65, 3-pole, max. 2.5 mm ²	1 pc.	0.1 5NX30003



Details and further variants for SiCompact 31 midi



SiCompact 31 maxi, floodlight

- Primary light control with lens technology
- Cover made of toughened safety glass, clear, direct distribution, asymmetric
- Housing made of die-cast aluminum, specular, metallic gray (RAL 9006), bracket made of sheet steel, coated metallic gray (RAL 9006)
- With terminal, 5-pole
- Surge protection: 10 kV
- Protection rating: IP66
- Safety class: I
- Impact resistance: IK08
- Permissible ambient temperature: -30 ... +35 °C
- Service life 100,000 h (L80/B50) at AT = 25 °C
- Approval designation: CE

K	CRI	lm	W	lm/W	Control	kg	Order no.
<i>asymmetric distribution, PL32</i>							
3,000	> 70	65,000	490	133	DALI	17.0	5XA7592E1K22
4,000	> 70	70,000	490	143	DALI	17.0	5XA7592E2K22



Details and further variants
for SiCompact 31 maxi



Floodlight FL 11.

The No. 1 on every soccer field.

Pinpoint precision. Infinite possibilities.

We all know that you cannot plan everything in life. But that is certainly not the case for light by SITECO. The Floodlight FL 11 is an energy-efficient, easily mountable, precisely controlled system that will exceed every expectation that you ever had about the visual comfort of players and spectators.

Floodlight FL 11 meets the special needs of athletic competition. But it is also flexible enough to react precisely to changing circumstances on short notice. No matter whether you are talking about playing fields, tennis courts or halls: Floodlight FL 11 combines visual comfort, cost savings, climate protection and flexibility. And this brings us to the fundamental strength of the Floodlight FL 11: namely that it has no weakness at all.



- ⊕ Highly efficient operation with fewer luminaires thanks to new light distribution system
- ⊕ Easy maintenance thanks to flexible ECG integration on the mast or luminaire
- ⊕ Glare-free light with 0 % light immissions, without disturbing light for residents and nature
- ⊕ Maximum flexibility and precision due to rotatable modules and adjustable luminaire head
- ⊕ Needs-based light control with DALI 2, DMX RDM and SITECO Connect Sport
- ⊕ Excellent color rendering and flicker-free super slow-motion for TV broadcasts
- ⊕ High quality, durable manufacture with non-yellowing PMMA lenses, robust glass cover and die-cast aluminum



Details for Floodlight FL 11

SITECO Connect Sports

Would you like to simply control your sports lighting with a swipe of your finger?

The SITECO Connect App turns light control into child's play and helps you save energy in the process. In short: the perfect solution to adapt your lighting to your needs with maximum flexibility at just one "click". Are you ready to take control of your sports lighting of tomorrow?

Update to Bluetooth long range: with a range of up to 100 m.



powered by
CASAMBI

... with SITECO Connect Sports:

- **Simple light control** via tablet or smartphone (Android or iOS)
- **No WiFi and re-cabling**
- **Flexible use and configuration** based on your individual need
- **Maximum energy savings** thanks to stable lighting scenarios
- **Total compatibility** with all FL 11 DALI models (up to 64 x FL 11 per control unit)
- **One-time investment** – no license fee

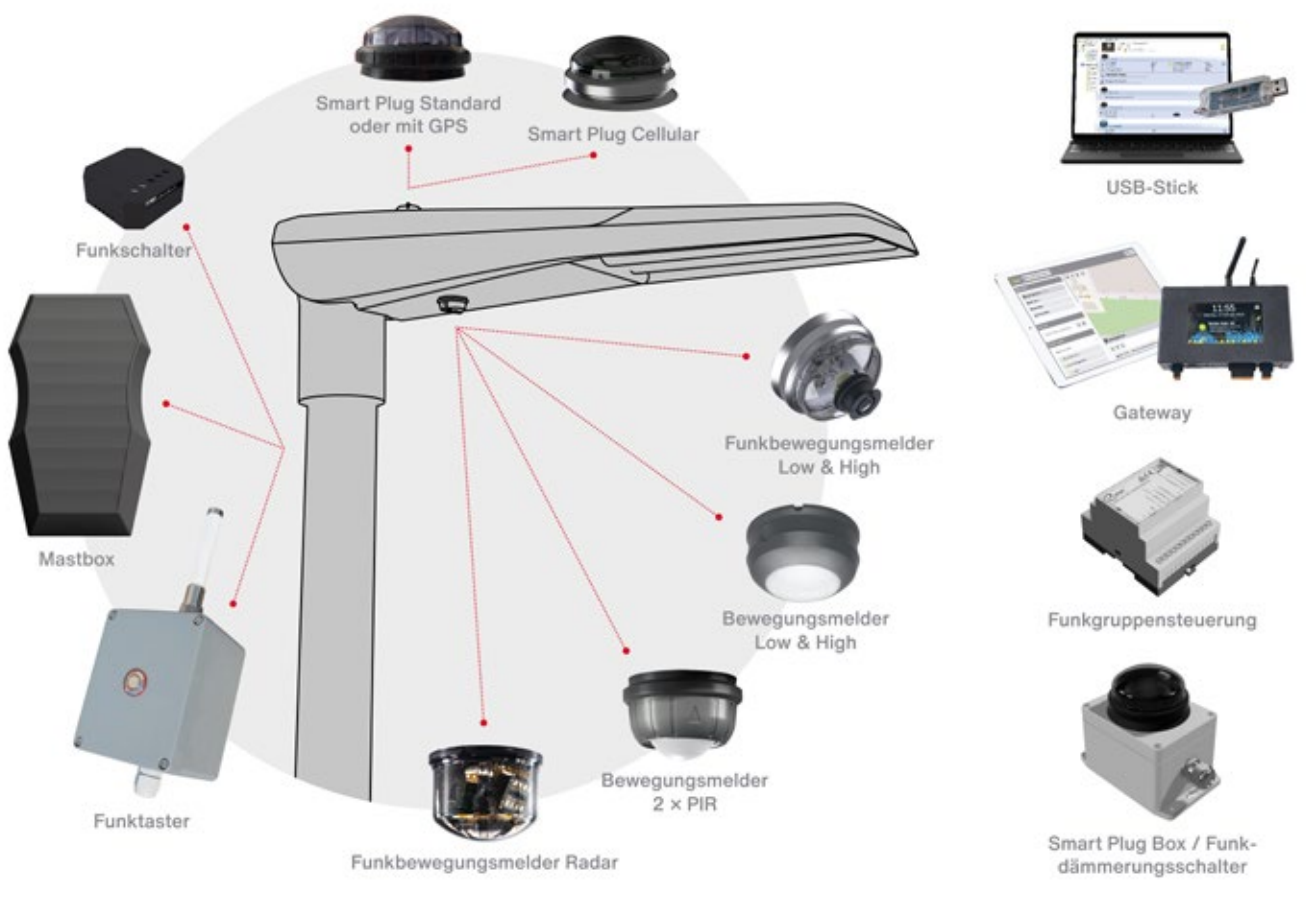


SITECO Connect Wireless Outdoor

Intelligently
expand, control and
monitor outdoor
lighting:



Saving energy has never been so important. It's easy with intelligent lighting control for outdoor applications.



- Save up to 80 % energy
- Transparently monitor the condition of the installation
- Plug & play installation on the outdoor luminaires
- Automatic switching and dimming: according to time, calendar day, daylight or movement
- With luminaire group controls and single luminaire controls
- Radio networked or stand-alone – including motion sensors

When does the future begin?

Decide for yourself.

SITECO supports you in planning and selecting the right controls for your project. Our service team provides support during the commissioning process and offers training that enables the system to be operated within a few minutes.



2020

- New burst of products with Licross, Streetlight SL 21, Monsun 11 & FL21
- SITECO Connect for a new level of digital solutions



2022

- SITECO HCL^{live} 2.0 as an innovative combination with daylight system
- UWB (ultra wideband) radio technology integrated in the Licross trunking system

2023

SITECO is established as a leading provider of sustainable infrastructure solutions

2021

IoT revolution through SITECO iQ

2019

SITECO once again becomes an independent, medium-sized company

sITECO
Stern Stewart Capital

2019

Sirius is the first LED floodlight with TLCI 96



2011

SITECO becomes part of OSRAM

sITECO
OSRAM

2008

First LED road luminaire



2006

First LED office luminaire

sITECO

1997

Founding of SITECO

1998

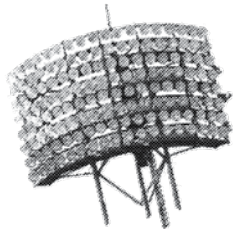
Patent on microprism technology

1987

First secondary system as a basis for successful MirrorTec concept

1982

First HCL solution using a daylight system



1980

First VDU-compliant louver luminaire

1971

First floodlights with 3.5 kW used at the Munich Olympic Games



1975

First trunking system



1962

100 years of Siemens lighting and first lighting test road

1949

Production relocated to Traunreut



1882

First road luminaire in Berlin

1862

Foundation of Siemens & Halske AG (incl. Siemens Beleuchtungstechnik)

SIEMENS

150

years of lighting technology made in Germany

Our complete portfolio: **siteco.com**

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info@siteco.com

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