

corlight

LS13 modular

Street lighting unit

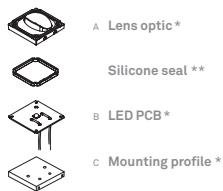
Optimized for the S-classes of street lighting in accordance with EN 13201

- Typical ratio of 5.5 for pole distance to mounting height



- Numerous options for attaching and configuring
- Power rating up to 600 mA, dimmable
- Highest system efficiency
- Sustainable and future-oriented
- Multichip technology
- ESD-protection
- CRI 70 min

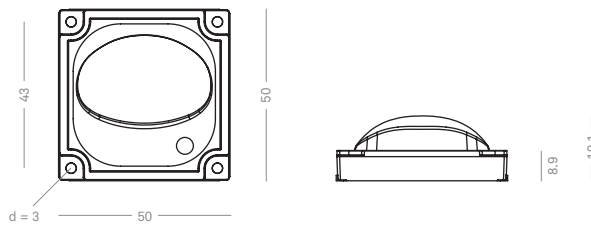
Lighting unit structure



* Specific article number ** inclusive

A Lens optic

→ Article no. 3 03 0001 01



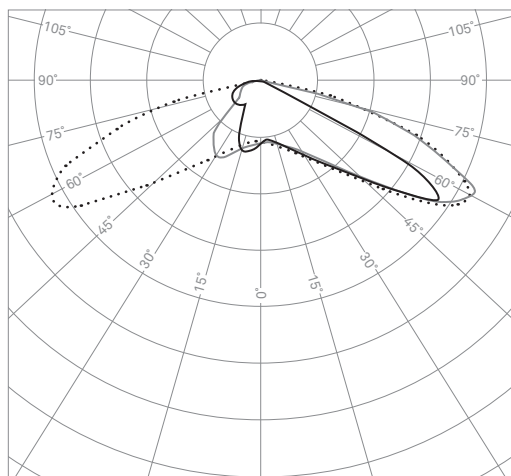
Combinable



Rotable / in steps of 90° (exception: power outlet position)

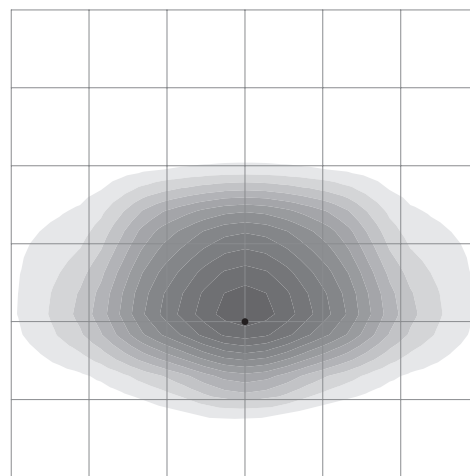
Light distribution

Polar diagram

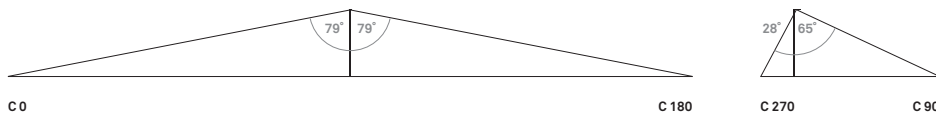


.... C0-C180 — C30-C210 - - - C90-C270

Illuminance distribution



● — ● Mounting height



B LED PCB

Variant 01 (power outlet underneath): IP67 rating in combination with mounting profile
Variant 02 (power outlet on side): IP67 rating

1 LED PCB

V_F 12 V

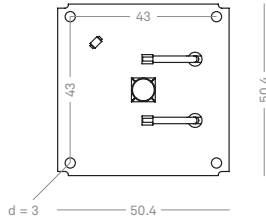
→ Article no. see table below + variant



Variant 01



Variant 02

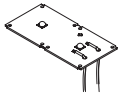


Article no.	Colour temperature (K) (typical)	No. of LED	Power (W)				Lumen (lm) (25°C ambient temperature including optical system loss)				Luminous efficacy of LED module (lm/W); (25°C ambient temperature including optical system loss)				Life time (h)
			300 mA	400 mA	500 mA	600 mA	300 mA	400 mA	500 mA	600 mA	300 mA	400 mA	500 mA	600 mA	
3 02 0001 __	3000	3	3,3	4,4	5,5	6,6	463	588	701	803	140,4	133,4	127,2	121,4	50000
3 02 0002 __	4000	3	3,3	4,4	5,5	6,6	495	630	750	860	150,0	142,9	136,1	130,1	50000
3 02 0003 __	5700	3	3,3	4,4	5,5	6,6	495	630	750	860	150,0	142,9	136,1	130,1	50000

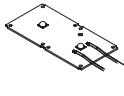
2 LED PCB

V_F 23 V

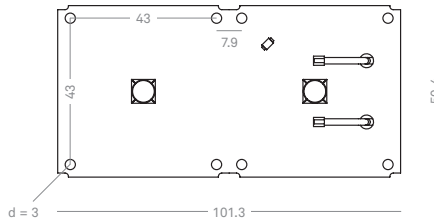
→ Article no. see table below + variant



Variant 01



Variant 02

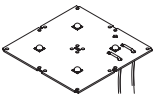


Article no.	Colour temperature (K)	No. of LED	Power (W)				Lumen (lm)				Luminous efficacy of LED module				Life time (h)
			300 mA	400 mA	500 mA	600 mA	300 mA	400 mA	500 mA	600 mA	300 mA	400 mA	500 mA	600 mA	
3 02 0004 __	3000	2	6,6	8,8	11,0	13,2	927	1176	1402	1606	140,4	133,4	127,2	121,4	50000
3 02 0005 __	4000	2	6,6	8,8	11,0	13,2	990	1260	1500	1721	150,0	142,9	136,1	130,1	50000
3 02 0006 __	5700	2	6,6	8,8	11,0	13,2	990	1260	1500	1721	150,0	142,9	136,1	130,1	50000

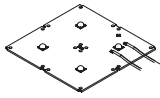
4 LED PCB

V_F 47 V

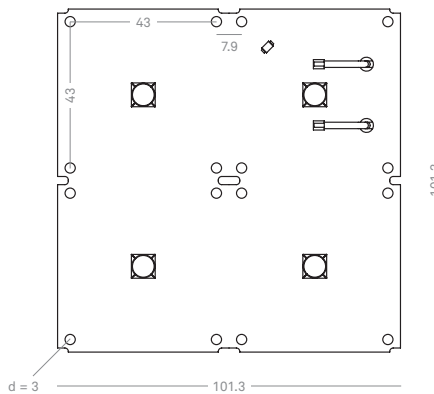
→ Article no. see table below + variant



Variant 01



Variant 02



Article no.	Colour temperature (K)	No. of LED	Power (W)				Lumen (lm)				Luminous efficacy of LED module				Life time (h)
			300 mA	400 mA	500 mA	600 mA	300 mA	400 mA	500 mA	600 mA	300 mA	400 mA	500 mA	600 mA	
3 02 0007 __	3000	4	13,2	17,6	22,0	26,5	1854	2352	2804	3212	140,4	133,4	127,2	121,4	50000
3 02 0008 __	4000	4	13,2	17,6	22,0	26,5	1981	2519	3001	3441	150,0	142,9	136,1	130,1	50000
3 02 0009 __	5700	4	13,2	17,6	22,0	26,5	1981	2519	3001	3441	150,0	142,9	136,1	130,1	50000

→ Article no. **example**
4 LED PCB with power outlet underneath = **3 02 0007 01**

Note: the product code is complete only if the variant is indicated.

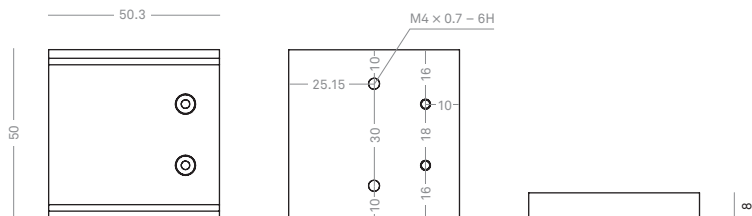
Prerequisite for compliance of the data sheet specifications is the observation of temperature limits
Tc < 80°C @ 600mA and 25°C ambient temperature
Temperature measuring unit available

C Mounting profile (optional)

- Can be used for lighting units with PCBs of variant 01 and 02

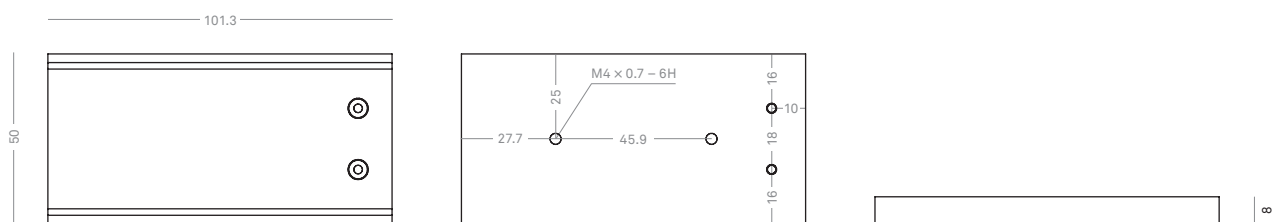
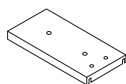
1 mounting profile *

→ Article no. 40 20000 30



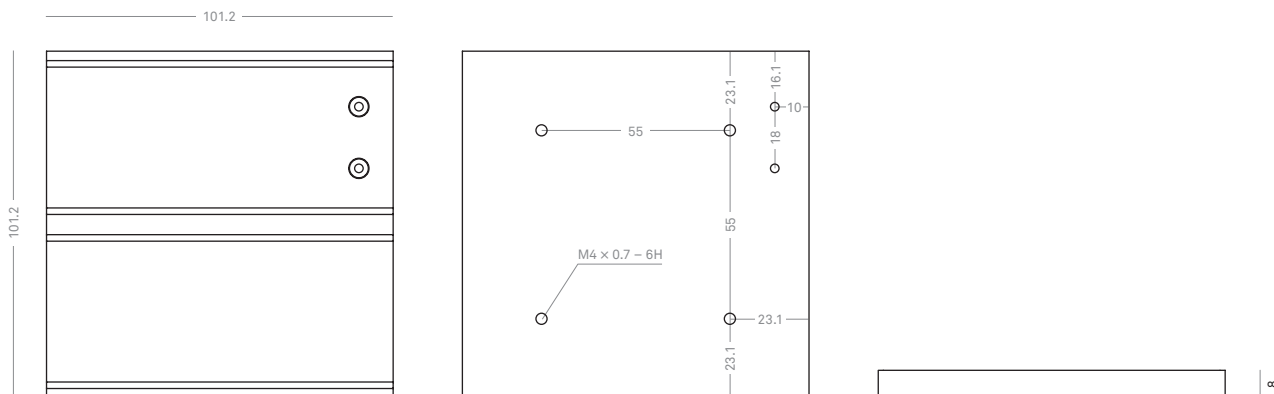
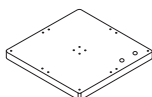
2 mounting profile *

→ Article no. 40 20000 20



4 mounting profile *

→ Article no. 40 20000 40



* Recommended mounting screws included: BN 20165 – M 2.5 x 12 mm

Assembly and maintenance instruction on www.corlight.com