

SQUARE GEN 3



SQUARE GEN 3 is a microprism or opal panel with an even and uniform light surface for offices, schools and general lighting. The backlit technology + lens optics allows for high luminaire efficiency and energy efficiency as well as a low carbon footprint. Panel's weight is only 1,92kg.

Benefits

Square Gen 3 DALI power versions can be easily switched from the DIP switches to Microprism 43/29/20W and OPAL 29/20/18W. The luminaire is thin, only 25mm thick. Luminaire control options are DALI 2 and wireless Casambi control.

Suitability

Square GEN 3 -microprism for glare-free lighting. Glare requirements for DSE workplace lighting (EN 12464-1: DSE L65 $\geq 3000 \text{ cd/m}^2$) and WELL certification glare requirements (L45/90 $< 6000 \text{ cd/m}^2$) are met with the following versions: 4234lm (29W) ja 2764lm (20W). Similarly, the glare requirements of EN 12464-1 and WELL certification for lobbies (L45/90 $< 6000 \text{ cd/m}^2$) are achieved with the luminaire 6081lm (43W), which are required less because of their luminaire efficacy. It is generally recommended to always use the 43W version for control applications, which is optimized for the space requirements at the time of programming deployment. LDT-files can be found for the 43W, 29W and 20W versions, but the most sensible way is to optimize the plan with the DIALUX program to the correct required installation power, so that the property's energy efficiency for kWh/m² is optimal.



Product families and variants

| MODEL | TYPE CODE | POWER | LUMINOUS FLUX | LUMINAIRE EFFICACY | |
|------------------------|-----------------|---------------|-----------------------------|--------------------------------|--------------------------|
| Square GEN 3 6060 MP | GLSQG3016060MP | 43W (29W/20W) | 6081 lm (4234 lm / 2764 lm) | 141 lm/W (146 lm/W / 138 lm/W) | L80B5 L90B5 C10 10 |
| Square GEN 3 6060 Opal | GLSQG3016060OP | 29W(20W/18W) | 4646 lm (3136 lm / 2787 lm) | 160 lm/W (157 lm/W / 155 lm/W) | L80B5 L90B5 C10 10 |
| Square GEN 3 30120 MP | GLSQG30130120MP | 43W (29W/20W) | 6081 lm (4234 lm / 2764 lm) | 141 lm/W (146 lm/W / 138 lm/W) | L80B5 L90B5 C10 10 |

Notes:

All values at +25°C ambient temperature, CCT 4000K, CRI 80, +-10% tolerance in luminous flux, +-10% tolerance in power. For indoor use only.

Dimensions

| MODEL | TYPE CODE | LENGTH (L) | HEIGHT (H) | WIDTH (W) | WEIGHT |
|------------------------|-----------------|------------|---------------|-----------|---------|
| Square GEN 3 6060 MP | GLSQG3016060MP | 595 mm | 25 mm / 59 mm | 595 mm | 1,92 kg |
| Square GEN 3 6060 Opal | GLSQG3016060OP | 595 mm | 25 mm / 59 mm | 595 mm | 1,92 kg |
| Square GEN 3 30120 MP | GLSQG30130120MP | 1195 mm | 25 mm / 59 mm | 295 mm | 1,92 kg |

General Description

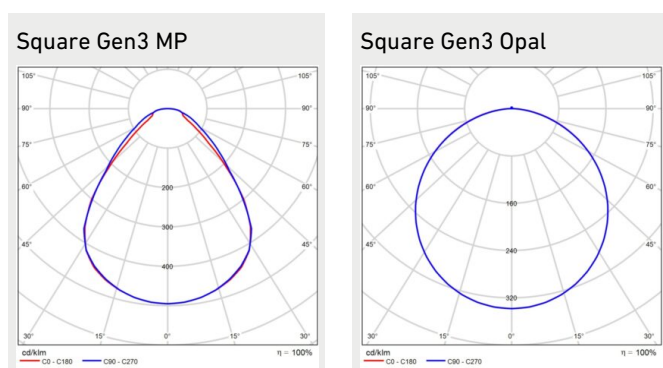
| | |
|--------------------------------|------------------------------------|
| COLOUR TEMPERATURE: | 4000K (3000K,5000K) ⁽¹⁾ |
| COLOUR RENDERING INDEX: | $R_A \geq 80$ (90) |
| OPTIC: | Microprism, Opal |
| LIGHT SOURCE SHIELD: | PMMA(Lens)+PS(Diffuser) |
| IP CLASS: | IP20/IP50 ⁽²⁾ |
| SUPPLY VOLTAGE: | 220-240 Vac |
| FREQUENCY: | 50-60 Hz |

| | |
|--|--|
| PF: | >0,9 |
| THD: | 20% |
| CONNECTION: | Chainable terminalbox; 2 x 5 x 2,5 mm ² (DALI) or 2 x 3 x 2,5 mm ² (CASAMBI). |
| DIMMABILITY: | DALI ⁽³⁾ , CASAMBI ⁽⁴⁾ |
| COLOUR: | White |
| MATERIAL OF THE LUMINAIRE BODY: | Aluminium/Steel |
| GUARANTEE: | 5 years |
| ACCESSORIES (INSTALLATION): | <ul style="list-style-type: none"> - C8950067 Surface installation frame 600x600 - C8950074 Surface installation frame 300x1200 - C9500007 Recessed installation clips 4 pcs - C9500008 Suspending cables 2m 4 pcs |

Notes:

- 1) SDCM ≤ 3
- 2) IP20 upside of the luminaire and IP50 underside of the luminaire
- 3) In DALI versions, the power of the luminaire can be changed with DIP Switches of the driver (MP versions 43W->29W or 21W, Opal versions 29W->20W or 18W)
- 4) In CASAMBI versions, the power cannot be changed with DIP switches

Light distribution

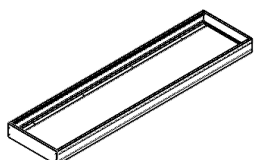


Accessories

C8950067 Surface
installation frame 600×600
70mm



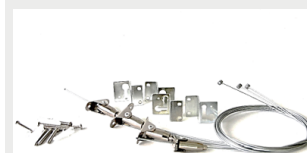
C8950074 Surface
installation frame 300×1200
70mm



C9500007 Recessed
installation clips 4 pcs



C9500008 Suspending
cables 2,0m 4 pcs



Circuit breakers

| | B10 | B16 | B20 | C10 | C16 | C20 |
|---|-----|-----|-----|-----|-----|-----|
| Square GEN 3 6060 MP 43W (29W/20W) DALI | 24 | 38 | 48 | 34 | 54 | 67 |
| Square GEN 3 6060 Opal 29W (20W/18W) DALI | 24 | 38 | 48 | 34 | 54 | 67 |
| Square GEN 3 30120 MP 43W (29W/20W) DALI | 24 | 38 | 48 | 34 | 54 | 67 |
| Square GEN 3 43W, 29W, 20W, 18W CASAMBI | 34 | 55 | 68 | 52 | 82 | 105 |

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CUSTOMER SERVICE:

tel: +358 20 125 5800

info@greenled.fi