

SQUARE GEN2



Square Gen 2 is a family of thin, versatile and energy-efficient luminaires for public spaces and IP65 clean rooms suitable for suspended ceilings and surface mounting. The Square Gen 2 luminaire has a glare-free and evenly illuminating light surface. The luminaire is available in opal and microprism versions and there are many different installation methods and power versions to choose from.

Benefits

This luminaire has a cost-efficient and high-quality structure (MADE in EUROPE). In the microprism version, the UGR is <19. The luminaire panel has a thin structure (13.5 mm and overall height <45 mm). The body of the luminaire is made of white painted steel plate (RAL9016). The IP rating of the luminaire is IP40 below the suspended ceiling and IP20 above the suspended ceiling. In the clean-room version, the IP rating is IP65 below the suspended ceiling and IP20 above the suspended ceiling. The IP65 version suitable for clean rooms is only available in 600x600 mm opal luminaires.

Suitability

A general luminaire for offices, hallways, schools, hospitals and other public spaces. Mounting directly on a T-grid ceiling, surface mounting or mounting with suspension cables.

Product families and variants

| MODEL | TYPE CODE | POWER | LUMINOUS FLUX | LUMINAIRE EFFICACY | LIFETIME | OPERATING TEMPERATURE |
|--|---------------------|-------|---------------|--------------------|------------------------------|-----------------------|
| SQUARE GEN2 600x600 22W ⁽¹⁾ | GLSQG2606001022 | 22 W | 2700 lm | 123 lm/W | L80B10 70 000h, C10 100 000h | +10°C - +40°C |
| SQUARE GEN2 600x600 33W | GLSQG2606001033 | 33 W | 3800 lm | 116 lm/W | L80B10 70 000h, C10 100 000h | +10°C - +40°C |
| SQUARE GEN2 600x600 33W TW | GLSQG26060010338TTW | 33 W | 3600 lm | 110 lm/W | L80B50 50 000h, C10 100 000h | +10°C - +40°C |
| SQUARE GEN2 300x1200 36W | GLSQG2301201036 | 36 W | 4000 lm | 112 lm/W | L80B10 70 000h, C10 100 000h | +10°C - +40°C |

Notes:

All values in ambient temperature of +25°C, CCT 4000K, luminous flux tolerance +-5%, output power tolerance +-5%. Use environment must be non condensing.

1) 22W version only available on 600x600 DALI

Dimensions

| MODEL | TYPE CODE | LENGTH (L) | HEIGHT (H) | WIDTH (W) | WEIGHT |
|--|---------------------|------------|------------|-----------|--------|
| SQUARE GEN2 600x600 22W ⁽¹⁾ | GLSQG2606001022 | 596 mm | 13,5 mm | 596 mm | 4,1 kg |
| SQUARE GEN2 600x600 33W | GLSQG2606001033 | 596 mm | 13,5 mm | 596 mm | 4,1 kg |
| SQUARE GEN2 600x600 33W TW | GLSQG26060010338TTW | 596 mm | 13,5 mm | 596 mm | 4,4 kg |
| SQUARE GEN2 300x1200 36W | GLSQG2301201036 | 1196 mm | 13,5 mm | 296 mm | 4,5 kg |

General Description

| | |
|--------------------------------|--|
| COLOUR TEMPERATURE: | 3000 K, 4000 K ⁽¹⁾ , 2700 - 6500 K ⁽²⁾ |
| COLOUR RENDERING INDEX: | $R_A \geq 80$ ⁽⁵⁾ |
| OPTIC: | Microprism or opal |
| LIGHT SOURCE SHIELD: | PMMA or PS |
| IP CLASS: | IP40 / 20 ⁽³⁾ , option IP65 / 20 ⁽⁴⁾ |
| IK CLASS: | IK06 |
| SUPPLY VOLTAGE: | 220-240 Vac |
| FREQUENCY: | 50-60 Hz |

| | |
|--|--|
| PF: | > 0.98 |
| THD: | 5 % |
| CONNECTION: | Driver with chainable terminal block 3 x (on/off) and 5 x (DALI) x 1.5–2.5 mm ² . Max 9mm. Can also be supplied with connecting cable and plug. |
| DIMMABILITY: | OnOff, DALI, TW DT-8 and Casambi |
| COLOUR: | White RAL9016 |
| MATERIAL OF THE LUMINAIRE BODY: | Steel |
| GUARANTEE: | 5 years |
| ACCESSORIES (INSTALLATION): | 9405184 Frame for surface mounting 600×600, 9405183 Frame for surface mounting 300×1200, 9405185 Bracket for surface mounting 300×1200, 9405186 Bracket for surface mounting 600×600, 9405188 Frame for recessed mounting 600×600, 9405187 Frame for surface mounting 300×1200, 9405189 Suspension cables 4pc 3m |

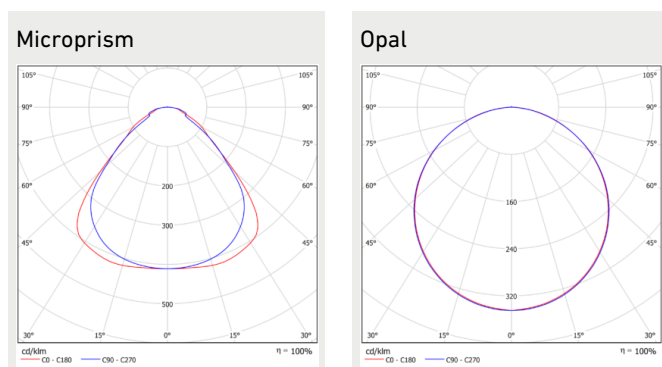
Notes:

- 1) SDCM <3
- 2) TW only micrprism version and size 600x600
- 3) The IP rating of the luminaire is IP40 below the suspended ceiling and IP20 above the suspended ceiling
- 4) IP65 / 20 only opal version and size 600x600; The IP rating of the luminaire is IP65 below the suspended ceiling and IP20 above the suspended ceiling.
- 5) Option; $R_A \geq 90$

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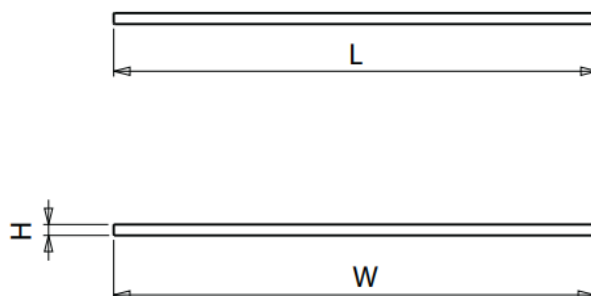
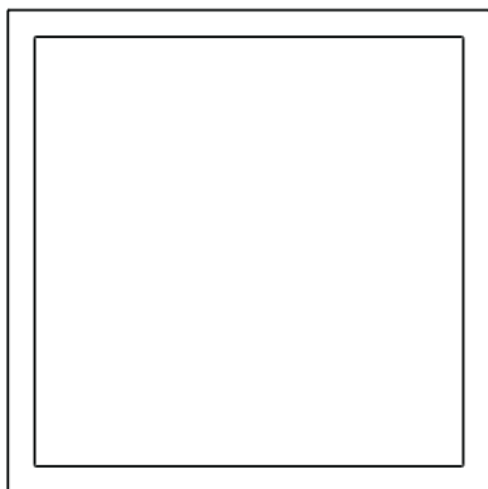
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Light distribution



Dimensions

Dimensions



| | L | W | H |
|-----------|------|-----|------|
| M600X600 | 596 | 596 | 13,5 |
| M1200X300 | 1196 | 296 | 13,5 |

Brackets

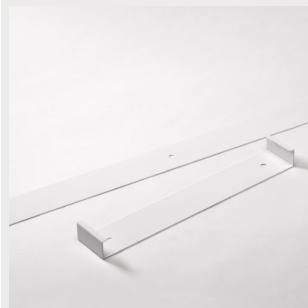
9405184 Frame for surface mounting 600x600



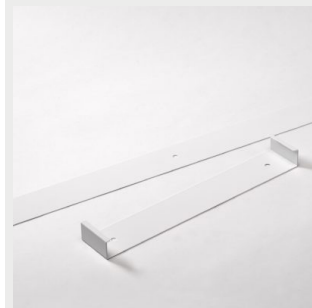
9405183 Frame for surface mounting 300x1200



9405185 Bracket for surface mounting 300x1200



9405186 Bracket for surface mounting 600x600



9405188 Frame for recessed mounting 600x600



9405187 Frame for surface mounting 300x1200



9405189 Suspension cables 4pc 3m



Circuit breakers

| | B10 | B16 | B20 | C10 | C16 | C20 |
|------------------------------------|-----|-----|-----|-----|-----|-----|
| SQUARE GEN2 600x600 22W & 33W DALI | 13 | 22 | 28 | 21 | 36 | 46 |
| SQUARE GEN2 600x600 33W OnOff | 43 | 70 | 87 | 43 | 70 | 87 |
| SQUARE GEN2 1200x300 36W OnOff | 11 | 17 | 21 | 18 | 28 | 35 |
| SQUARE GEN2 1200x300 36W DALI | 13 | 22 | 28 | 21 | 36 | 46 |
| SQUARE GEN2 600x600 33W TW | 23 | 38 | 48 | 39 | 64 | 80 |

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