

# 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 cd/m<sup>2</sup>) and WELL certification glare requirements (L45/90 < 6000 cd/m<sup>2</sup>) 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 cd/m<sup>2</sup>) 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/m<sup>2</sup> 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
Square GEN 3 6060 Opal	GLSQG30160600P	29W(20W/18W)	4646 lm (3136 lm / 2787 lm)	160 lm/W (157 lm/W / 155 lm/W)	L80B5
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

### 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	GLSQG30160600P	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

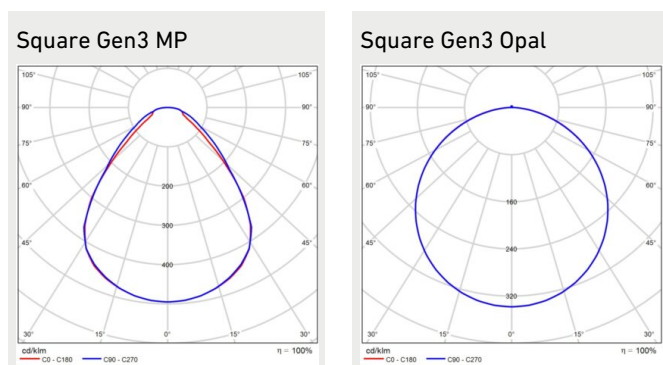
<b>COLOUR TEMPERATURE:</b>	4000K (3000K,5000K) <sup>(1)</sup>
<b>COLOUR RENDERING INDEX:</b>	$R_A \geq 80$ (90)
<b>OPTIC:</b>	Microprism, Opal
<b>LIGHT SOURCE SHIELD:</b>	PMMA(Lens)+PS(Diffuser)
<b>IP CLASS:</b>	IP20/IP50 <sup>(2)</sup>
<b>SUPPLY VOLTAGE:</b>	220-240 Vac
<b>FREQUENCY:</b>	50-60 Hz
<b>PF:</b>	>0,9
<b>THD:</b>	20%
<b>CONNECTION:</b>	Chainable terminalbox; 2 x 5 x (DALI) x 2,5 mm <sup>2</sup> . Cable's outer diameter max. 13mm.
<b>DIMMABILITY:</b>	DALI <sup>(3)</sup> , CASAMBI <sup>(4)</sup>
<b>COLOUR:</b>	White

<b>MATERIAL OF THE LUMINAIRE BODY:</b>	Aluminium/Steel
<b>GUARANTEE:</b>	5 years
<b>ACCESSORIES (INSTALLATION):</b>	<ul style="list-style-type: none"> <li>- C8950067 Surface installation frame 600x600</li> <li>- C8950074 Surface installation frame 300x1200</li> <li>- C9500007 Recessed installation clips 4 pcs</li> <li>- C9500008 Suspending cables 2m 4 pcs</li> </ul>

## Notes:

- 1) SDCM  $\leq 3$
- 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

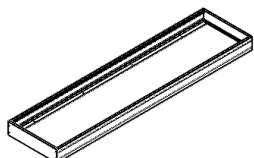


## Accessories

C8950067 Surface  
installation frame 600×600  
70mm



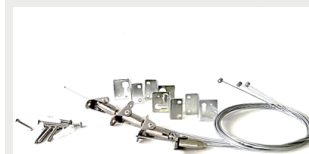
C8950074 Surface  
installation frame 300×1200  
70mm



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

i

### CUSTOMER SERVICE:

tel: +358 20 125 5800

info@greenled.fi