

SYLVANIA

EVO

LED RANGE



Start LED Panels

Recessed, surface mounted or suspended LED luminaires



Start Panel LED family is a range of recessed, surface mounted and suspended LED luminaires for general indoor lighting applications; corridors, breakout areas, offices and meeting rooms.

The range comprises of switched DALI dimmable, Analogue 1-10V dimmable and UGR<19 compliant luminaires.

Start Panel LED range provides exceptional performance with unprecedented efficacy of up 112lm/W.

The optical design ensures a consistent, uniform output throughout the luminaire creating a comforting, non-harsh light source.

Start Panel LED is an effortless solution, whether for traditional fluorescent replacement or redesigns and new builds.

by **HAVELLS SYLVANIA**

UGR<19 LED Start Panels

Recessed LED luminaires

FEATURES

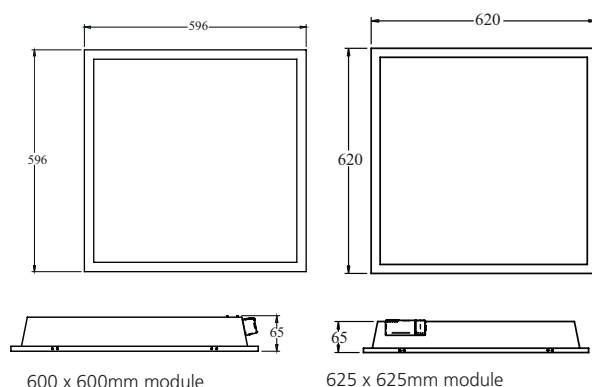
- A range of cost effective LED luminaires, ideal for office applications
- Complies to EN12464-1 European Standards
- Low glare, UGR<19, below the maximum permissible value for office lighting as per EN12464-1:2011 (<3000cdm²@65deg)
- Available as standard in either 3,000K or 4,000K
- Delivers up to 93lm/W
- Energy Class A++, A+, A
- Long lifetime: 50,000 hours at 70% of the original output (L70)



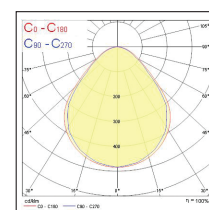
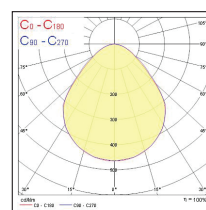
Item code	Description	Colour name	Colour temperature (K)	Voltage (V)	Drive current (mA)	System power consumption (W)	Luminaire lumen output (lm)	Efficacy (lm/W)
UGR<19								
600 x 600mm modules								
0047526	Start Panel LED UGR19 600 WW 3000K	Warm White	3,000	220 - 240	360	43	4,000	93
0047525	Start Panel LED UGR19 600 NW 4000K	Neutral White	4,000	220 - 240	360	43	4,000	93
625 x 625mm modules								
0047528	Start Panel LED UGR19 625 WW 3000K	Warm White	3,000	220 - 240	360	43	4,000	93
0047527	Start Panel LED UGR19 625 NW 4000K	Neutral White	4,000	220 - 240	360	43	4,000	93

Legend: 600 = 600 x 600mm module; 625 = 625 x 625mm module; WW = Warm White; NW = Neutral White

Dimensions (mm)



Photometric data



Start Panel LED

Recessed LED luminaires

FEATURES

- Range of cost effective recessed LED Luminaires
- Uniform, consistent light output throughout the fixture with no dark spot
- Slender body for minimal impact in to ceiling and easier installation
- Available as standard or DALI dimmable in either 3,000K or 4,000K
- Delivers up to 112lm/W
- Energy class A++, A+, A
- Long lifetime: 50,000 hours at 70% of the original output (L70)

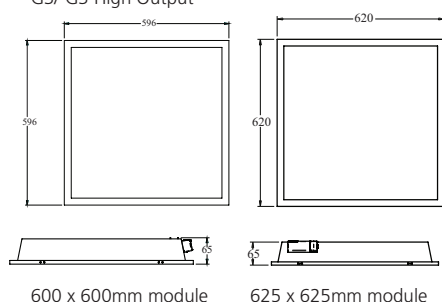


Item code	Description	Colour name	Colour temperature (K)	Voltage (V)	Drive current (mA)	System power consumption (W)	Luminaire lumen output (lm)	Efficacy (lm/W)
G3								
600 x 600mm modules								
0047450	Start Panel LED G3 600 WW	Warm White	3,000	220 - 240	300	36	4,000	111
0047451	Start Panel LED G3 600 NW	Neutral White	4,000	220 - 240	300	36	4,000	111
625 x 625mm modules								
0047452	Start Panel LED G3 625 WW	Warm White	3,000	220 - 240	300	36	4,000	111
0047453	Start Panel LED G3 625 NW	Neutral White	4,000	220 - 240	300	36	4,000	111
G3 High Output								
600 x 600mm modules								
0047454	Start Panel LED G3 HO 600 WW	Warm White	3,000	220 - 240	360	42	4,700	112
0047455	Start Panel LED G3 HO 600 NW	Neutral White	4,000	220 - 240	360	42	4,700	112
625 x 625mm modules								
0047456	Start Panel LED G3 HO 625 WW	Warm White	3,000	220 - 240	360	42	4,700	112
0047457	Start Panel LED G3 HO 625 NW	Neutral White	4,000	220 - 240	360	42	4,700	112
DALI dimmable								
600 x 600mm modules								
0047425	Start Panel LED G2 600 WW 3000K DALI	Warm White	3,000	220 - 240	360	42	4,600	107
0047424	Start Panel LED G2 600 NW 4000K DALI	Neutral White	4,000	220 - 240	360	42	4,600	107

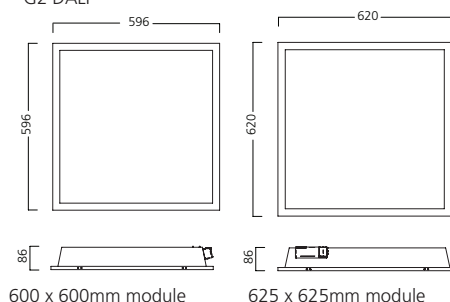
Legend: 600 = 600 x 600mm module; 625 = 625 x 625mm module; WW = Warm White; NW = Neutral White; HO = High Output; DALI = DALI dimmable

Dimensions (mm)

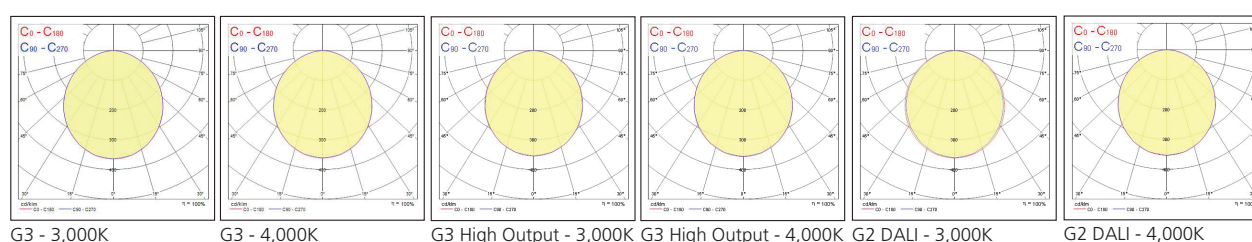
G3/ G3 High Output



G2 DALI



Photometric data



Start Flat Panel LED

Recessed, surface mounted or suspended LED luminaires

FEATURES

- Range of cost effective recessed, surface mounted or suspended LED Luminaires
- Benefits from an acrylic PMMA diffuser to disperse light more evenly
- Available as standard or switch DALI / 1-10V dimmable in either 3,000K or 4,000K
- Delivers up to 93lm/W
- Accessories to surface mount or suspend
- Safety cable included as standard
- Energy class A++, A+, A
- Long lifetime: 40,000 hours at 70% of the original output (L70)



Item code	Description	Colour name	Colour temperature (K)	Voltage (V)	Drive current (mA)	System power consumption (W)	Luminaire lumen output (lm)	Efficacy (lm/W)
Electronic								
600 x 600mm modules								
0047441	Start Flat Panel LED 600 WW 3000K	Warm White	3,000	220-240	1,500	46	3,829	84
0047440	Start Flat Panel LED 600 NW 4000K	Neutral White	4,000	220-240	1,500	46	4,239	93
625 x 625mm modules								
0047443	Start Flat Panel LED 625 WW 3000K	Warm White	3,000	220-240	1,500	46	3,829	84
0047442	Start Flat Panel LED 625 NW 4000K	Neutral White	4,000	220-240	1,500	46	4,239	93
DALI / Analogue 1-10V dimmable								
600 x 600mm modules								
0047445	Start Flat Panel LED 600 WW DALI/1-10V	Warm White	3,000	220-240	1,500	46	3,570	78
0047444	Start Flat Panel LED 600 NW DALI/1-10V	Neutral White	4,000	220-240	1,500	46	3,950	87
625 x 625mm modules								
0047447	Start Flat Panel LED 625 WW DALI/1-10V	Warm White	3,000	220-240	1,500	46	3,570	78
0047446	Start Flat Panel LED 625 NW DALI/1-10V	Neutral White	4,000	220-240	1,500	46	3,950	87

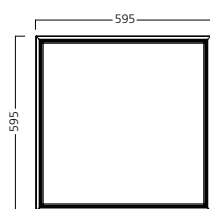
Legend: 600 = 600 x 600mm module; 625 = 625 x 625mm module; WW = Warm White; NW = Neutral White; HO = High Output; DALI/1-10V = DALI dimmable or Analogue 1-10V dimmable

Accessories

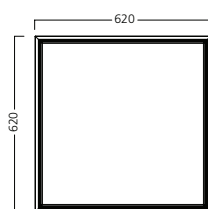
3036809 Surface Mount Frame (600x600mm)

0047517 Suspension Wire Kit 1200mm

Dimensions (mm)



600 x 600mm

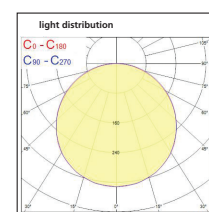


625 x 625mm

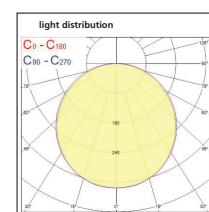
10.5mm

10.5mm

Photometric data



3,000K Non Dim



4,000K Non Dim

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Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Current details should therefore be checked with Havells Sylvania Europe Limited

by **HAVELLS SYLVANIA**