CONTESSA
bespoke lighting design

Sterling 312 Panel

BACKLIT LED PANEL

| DALI OPTIONAL | IP54 FRONT ONLY | DIRECT LIGHT |

ORDERING INFORMATION:

Ordering ID	ST17977
Description	25W LED Backlit Panel 300x1200mm
Driver Power	25 W
Driver Type	Fixed Output

PHYSICAL CHARACTERISTICS:

Dimensions	1195 L x 295 W x 34mm H
Adjustability	Fixed
Body Material	Aluminium AL6063
Diffuser Material	Polystyrene
Product Finish & Colour	Powdercoated - White
Installation Type	Recessed - Grid
IC Rating	IC-4

IC-4 rating has been conducted at the products maximum working temperature range in line with Australian standards. This provides the required safety when covered with insulation and used in Australian Environments.

IP Rating	IP54 (Front face only)

DIMENSIONS:

1195
295
34
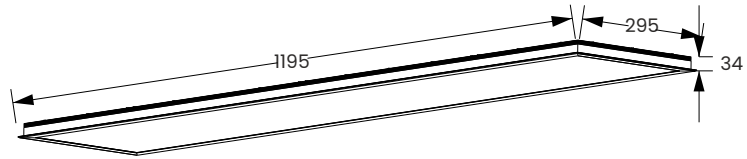
ELECTRICAL CONFIGURATION:

Electrical Rating	Class II
Input Current	0.2A
Input Voltage	230Vac

In Australia the input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac-253Vac or 240V +6%.

Input Frequency	50Hz
Maximum Wattage	25W
Power Factor	0.9
Switch Type	Inline
Working Temp	-10 to 40 °C

LAMP:

Macadam Steps	3-step Macadam Ellipse
CCT Configuration	TRI-CTT
CRI	>80
Lamp/LED Voltage	36V
UGR	<22

COLOUR TEMPERATURE:

25W		
Warm White (3000 K)	3700 lm	
Cool White (4000 K)	3800 lm	
Daylight (5700 K)	3750 lm	

EFFICIENCIES:

Total System Efficiency 152 lm/W

The performance of each component of a luminaire is demonstrated through its efficiencies, which together determine the total system efficiency of the product. The output of the LED chip is first multiplied by the optical and thermal efficiencies to calculate the Luminaire efficiency. However, this calculation does not consider the driver efficiency. To determine the overall efficiency of the system, the Luminaire efficiency must be multiplied by the driver efficiency, which accounts for all losses in the system.

DRIVER:

Dimmable	No (DALI-2 Available)
Driver Included	Yes
Integrated Driver	No
Driver Mode	Constant Current
Driver Type	Fixed Output
Flex & Plug Length	900mm (2 pin plug)
PSTLM	0.1

Short Term Light Modulation (PstLM): The requirement is that PstLM should be less than or equal to 1.0. This metric meaures the short term flicker severity and ensures that flicker is not perceptible or is at a level that does not cause discomfort or health issues.

SVM	0.4

Stroboscopic Visibility Measure (SVM): The requirement for SVM is that is should be less than or equal to 0.4. The SVM metric assesses the visibility of the stroboscopic effect, which can make moving objects appear to be stationary or moving in discrete steps, thus ensuring that this effect is minimised in lighting environments to prevent visual discomfort and safety hazards.

EFFICIENCIES:

Total System Efficiency 152 lm/W

The performance of each component of a luminaire is demonstrated through its efficiencies, which together determine the total system efficiency of the product. The output of the LED chip is first multiplied by the optical and thermal efficiencies to calculate the Luminaire efficiency. However, this calculation does not consider the driver efficiency. To determine the overall efficiency of the system, the Luminaire efficiency must be multiplied by the driver efficiency, which accounts for all losses in the system.

COMPLIANCE:

Product Design Life   10 Years

The product design life relates to the total product life which includes LED's, drivers and the enclosure. This is different to the LED lifetime which only refers to the economical lifetime of the LEDs at which time the lumen output has dopped below the L value. The product design life is calculated at the maximum ambient tempreature of the product and into account the Daily Use.

Daily Use   12 hours

The Daily Use is the recommended time required to meet the products design life. Installations can exceed this time, however the product design life will be reduced proportionally.

Standards   AS/NZS 60598.1
AS/NZS 60598.2.2
AS/NZS 61347.1
AS/NZS 61347.2.13
AS CISPR 15

WARRANTY:

Domestic Use Warranty   3 Years (RTB)

Warranty Operating Hours   12 hours

This product is provided with a warranty up until the stated warranty period or until the stated warranty operating hours has been reached (whichever occurs first).

ACCESSORIES:

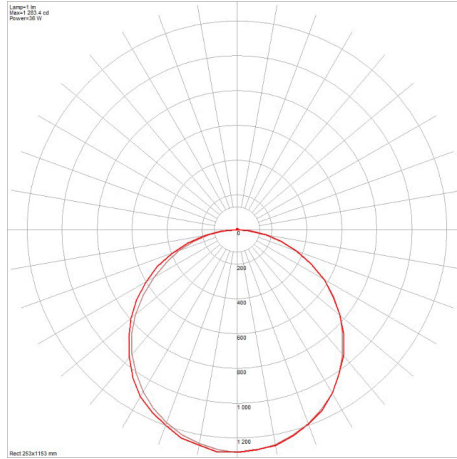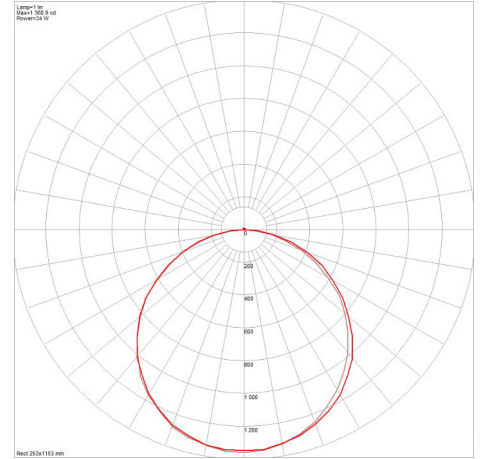|	
Plaster Recess Frame Kit	ST10398
Surface Mount Kit	ST11882
1m Suspension Cables x 4	ST11315
Y 2m Suspension Cables x 2	ST11355

PHOTOMETRICS:

ST6023312 – 5700K

ST6023312 – 4000K

ST6023312 – 3000K