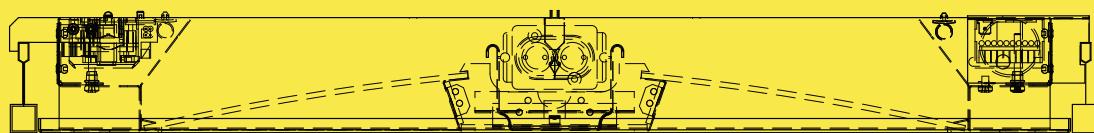
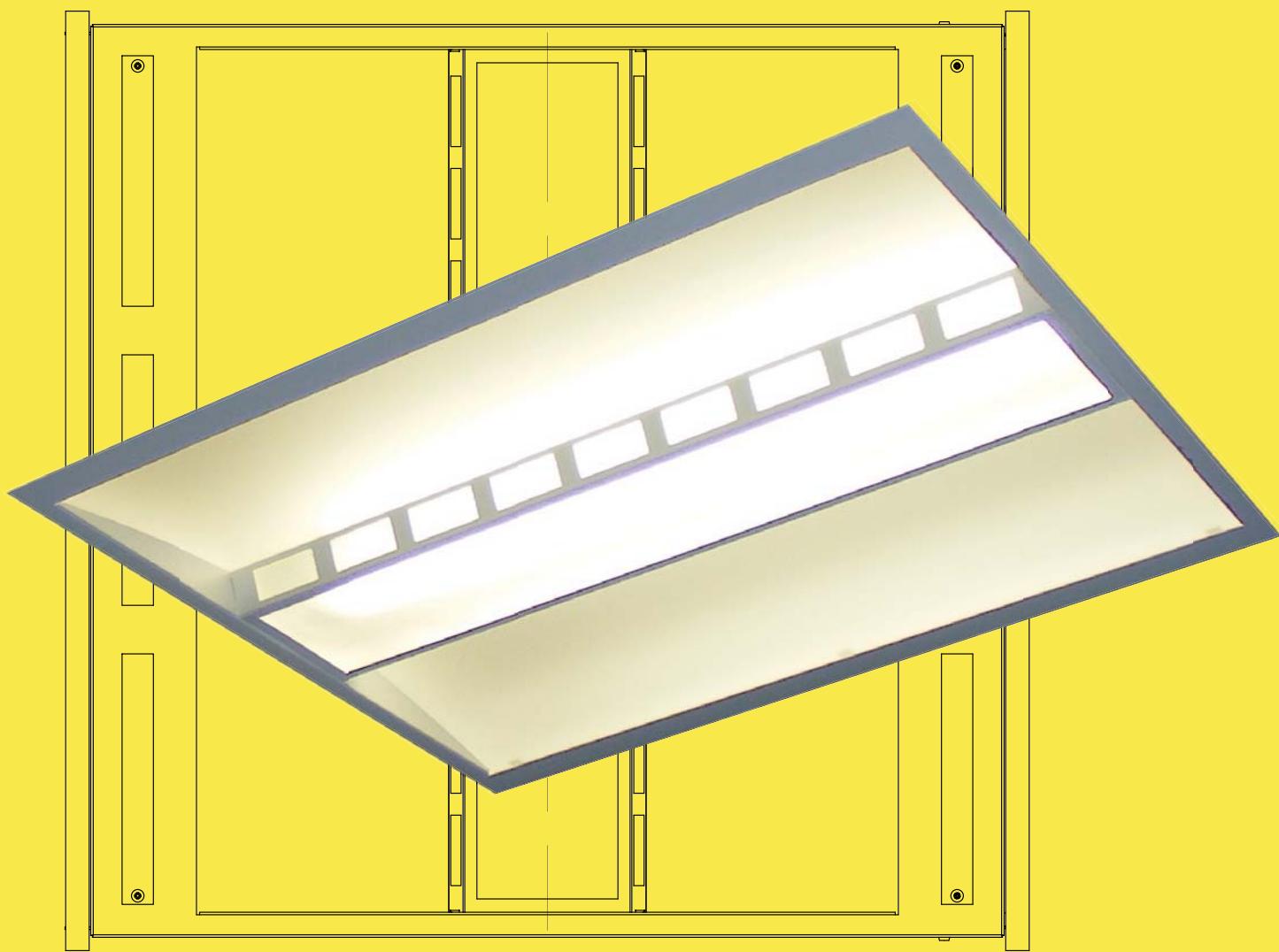


- » 77% LOR
- » 89.2 LL/CW
- » 4460 Lumens
- » 38.5 Circuit Watts
- » 50,000 hours life
- » 5 Year Warranty\*\*

## DESIGNERLITE **LED**



## Description

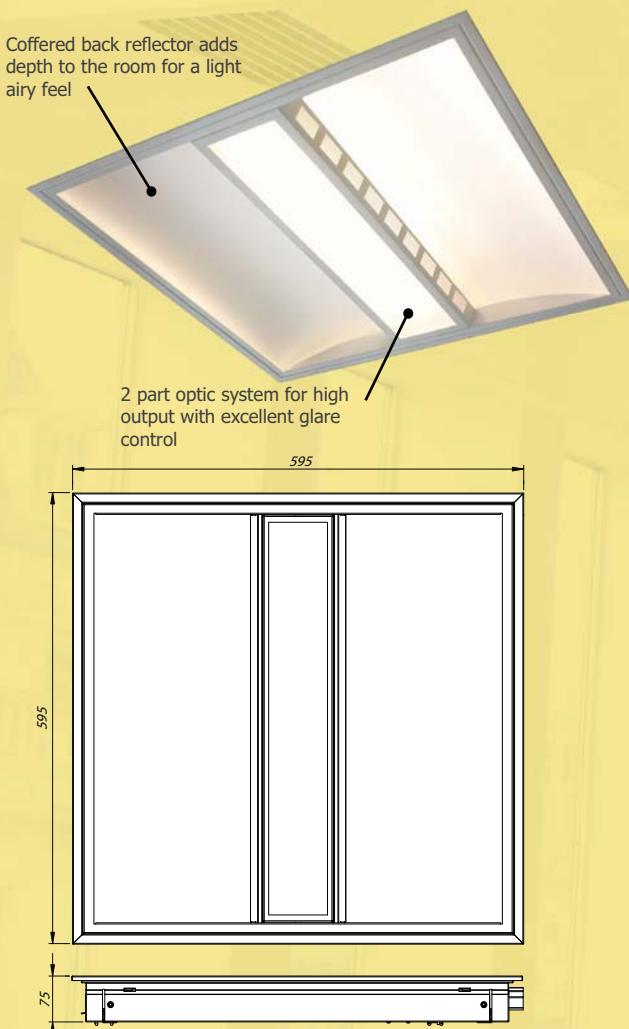
The Designerlite LED offers unparalleled economy and efficiency. Using the Philips Fortimo LED system and with the technical and quality backing of Philips, Lumitron have produced an LED fitting that offers clients the potential to use LEDs in office environments.

Based on a 2.4m x 2.4m array and with typical room reflectances, it is possible to achieve an average maintained illumination of 500lux and with energy consumption as low as 7 watts per square metre.

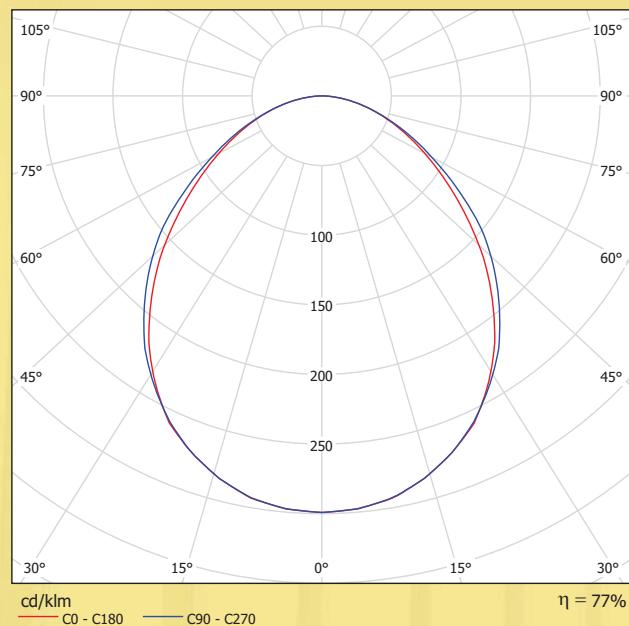
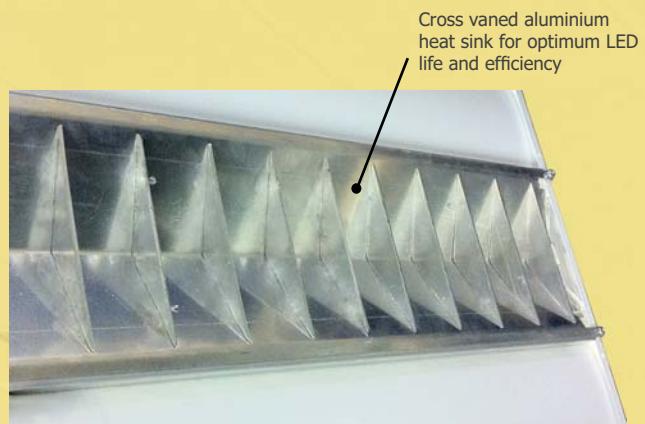
## Features

- » Flexible ceiling integration resulting in minimal total cost of ownership
- » Air handling options
- » Low energy
- » Efficiency levels surpassing T5 & TCL lamps
- » High quality white light with colour rendering of Ra80, meeting European norms for office lighting
- » Long life - 50,000hrs to 70% output
- » Low maintenance & lower costs
- » 5 Year warranty\*\*
- » 830 or 840 LED colour options
- » High quality 2 part optic system for total light control.
- » Can be supplied with various pre-wired lead & plug options to minimise site installation time and cost - contact sales for further details.

## Design



All dimensions in millimetres  
595 x 595 are standard dimensions but may change depending on project ceiling system



Contact the office for photometric IES files

\* For colour 840 module only

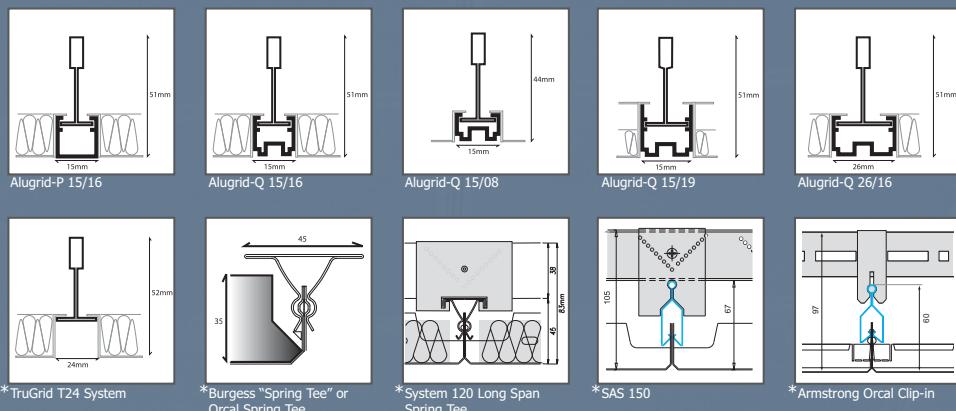
\*\* Return to base limited warranty - Philips and Lumitron standard terms & conditions apply

# Ceiling Integration

The Designerlite LED is compatible with most commercial ceiling systems including those shown here.

If the project ceiling system is not shown here, please contact our technical department for further advice.

\* Products for these ceiling systems will require external brackets (Ref: /BKTS) & may require access from adjacent tile



## Detail

### Optics

Our microprism lens uses conical deglaring technology, achieving 92% light transmission whilst controlling brightness. A sinusoidal distributor optic is layered above the microprism for a smoother visual appearance.

This 2 part optic system ensures glare is minimised and output maximised.

### LEDs

High output Class 1 LED boards by Philips mounted to 5mm aluminium heatsink with technical cross vanes for optimised cooling.

### Efficacy & Compliance

With an **LOR of 77%** and consumed circuit power of 38.5W, the luminaire achieves an efficacy of **89.2LL/CW**, exceeding **Part L** (Building Regs) and automatically qualifying for **ECA** by nature of its LEDs. (Current requirements are 55LL/CW for Part L and 60LL/CW for ECA)

### Ballasts

Philips Xitanium LED drivers are designed specifically to run the LED modules with minimum power losses. Available in fixed output and with dimming options

### Materials and Finishes

The luminaire body is manufactured from **high grade steel**, tabbed and welded to ensure rigid construction and post painted to RAL9016, 20% gloss. Optionally the luminaire can be finished to any other commercially available RAL colour and textured finishes, such as Finetex.

Plain rail version with plain rail.

Suffix: /CR



### Emergency

Can be supplied with separate non-maintained LED based emergency unit, integrated into the front panel of the luminaire, including DALI monitoring options if required or with invertor to run 1 LED board at reduced output.

## Specification

Nominal Size	Reference
- 600 x 600	<a href="#">DS66 LED 1R2</a>
- 1200 x 300	<a href="#">DS312 LED 2R1</a>
- 750 x 750	<a href="#">DS75 LED 1R2</a>

\*750 square version is essentially a 600 x 600 with outer bezel.

LED Colour	Reference
- 840	<a href="#">(as standard) /84</a>
- 830	<a href="#">/83*</a>

\*Colour 830 LED modules have reduced output of 4320lumens compared to the 840 module with output of 4480lumens.

Ballast	Reference
- HF Fixed Output	<a href="#">(as standard) /HF</a>
- DALI dimming	<a href="#">/HFDAL</a>
- 1-10V dimming	<a href="#">/HFDIM</a>

Air Handling*	Reference
- 30ltrs/sec	<a href="#">/AH30</a>

\*Air handling is achieved through visible slots on the front face of the body.

RAL Colour	Reference
- 9016 20% Gloss	<a href="#">(as standard)*</a>
- 9010 20% Gloss	<a href="#">/9010</a>

\*It is the purchaser's responsibility to ensure that the standard colour we supply meets their requirements.

Emergency	Reference
- 3hr (unmonitored)	<a href="#">/3NM-LED</a>
- 3hr DALI monitored	<a href="#">/3NM-LED-PRO</a>

Reference Example:  
**DS66LED1R2/84/HFDAL/AH30/3NM-LED**

Would denote a 600 x 600 style DS LED with colour 840 LEDs, DALI dimming ballast, 30ltrs/sec return air handling and 3 hour LED emergency kit (not monitored or self-test).



**LUMITRON**  
the art of performance lighting  
[www.lumitron.co.uk](http://www.lumitron.co.uk)

Lumitron Lighting (Services) Ltd  
Unit 31 The Metro Centre, Tolpits Lane, Watford, Herts, WD18 9UD  
T: 01923 226 222 - F: 01923 211 300 - [sales@lumitron.co.uk](mailto:sales@lumitron.co.uk)