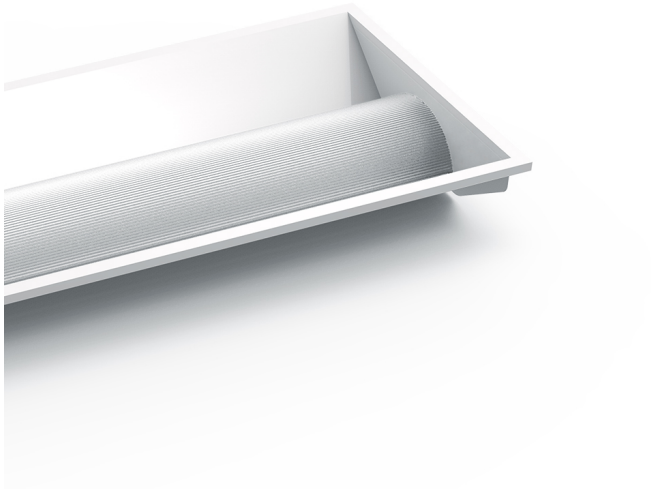
CURVE ADV

Curve Advanced Troffer, CRI >80

FEATURES

- Low-glare curved reflector and even light distribution
- External LED driver for easy maintenance and installation
- Supplied with a choice of different softwiring and hardwiring options
- High efficiency design with >150Lm/W output
- Excellent L90B10 lifetime for energy efficient lighting designs
- Flicker free DALI-2 certified LED driver giving excellent compatibility



ORDERING INFORMATION

Order code	13565
Description	30W Curve Adv Troffer 300x1200mm - 4000K - DALI
Driver Type	DALI DT6 LED Driver

DALI DT6 ~ Includes DALI-2 Driver with full support for DT6 allowing flicker free dimming with compliant DALI-2 Application controllers.

Item Code	EV-CURVE-ADV-312-30W-DA

EFFICIENCIES

Total System Efficiency	153 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.

MECHANICAL

Body Material	Cold rolled steel
Diffuser Material	PMMA
Product Finish	Powder coated
Fitting Colour	White
Installation Type	Recessed
IP Rating	IP40

ELECTRICAL

Electrical Rating	Class II
Input Current	0.16 A
Input Frequency	50 Hz
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%

Maximum Wattage	30 W
Power Factor	0.95
Switch Type	Via DALI
Working Temp Range	0 to 40 °C

LAMP

Macadam Steps (SDCM)	4-step MacAdam Ellipse
CCT Configuration	Single
CRI	>80
Lamp/LED Current	800 mA
Lamp/LED voltage	36 V
UGR	<22

UGR (Unified Glare Rating) is reported as per AS/NZS 1680.2 using the following design parameters; room reflectance 0.7/0.5/0.2 (C/W/F), ceiling height 2.7m, LLF=0.8 (Nominal) from the corrected UGR table.

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LED LIFETIME

LED Lifetime	>54,000 hrs	

This is the Reported LED Lifetime in Hours based on TM-21. Ektor does not list the projected or calculated LED lifetime, which is normally longer as TM-21 Addendum B explicitly states "The Calculated and Projected Lp(Dk) are not to be reported". This Lifetime refers to the life of a single LED however the system life is longer since the probability and binomial distribution of all LEDs in the system means that the average led is performing above the specification and compensates for the LEDs falling below.

Ambient Temp (°C)	25 °C	40 °C
L90B10	53,000 hrs	53,000 hrs

This rating defines the performance of the led within its lifetime. L relates to lumen depreciation, where the proceeding number gives the resultant lumen output at the end of it reported lifetime. L70, would mean 30% lumen depreciation which means 70% of its initial output and is tested accordingly to TM-21. The B part refers to failures, which can be define as the percentage of LEDs which fall below the L value in the projected lifetime. A value of B10 refers to 10% failure and a value of B50 refers to 50% failure. After the defined lifetime, the system will reach the defined lumen depreciation and the average led failures is defined by the B rating. The B rating is defined in and tested to IEC62717.

TM-21 Test Hours	9000 hrs

COLOUR TEMPERATURE

CCT	4000 K
Luminaire Lumens	4600 lm

All photometric data has a tolerance of ±10%. Luminaire lumens refers to the exit lumens or delivered lumens from the luminaire.

DRIVER

Dimmable	Yes
Driver Included	Yes
Integrated Driver	No
Driver Mode	Constant Current
Driver Type	DALI DT6 LED Driver

DALI DT6 ~ Includes DALI-2 Driver with full support for DT6 allowing flicker free dimming with compliant DALI-2 Application controllers.

Wiring Type	Re-wireable terminal block (4 pin)

COMPLIANCE

Product Design Life	8 years

The product design life relates to the total product life which includes LEDs, 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 dropped below the L Value. The product design life is calculated at the maximum ambient or working temperature of the product and takes into account the Daily Use.

Daily Use	16 hrs

The Daily Use is the recommended time required to meet the product's 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 IEC/TR 62778 IEC 62031 AS CISPR 15 IEC 62386-102 IEC 62386-207

WARRANTY

Commercial Use Warranty	5 RTB (Total 5 Years)
Warranty Operating Hours	30000 hrs

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).

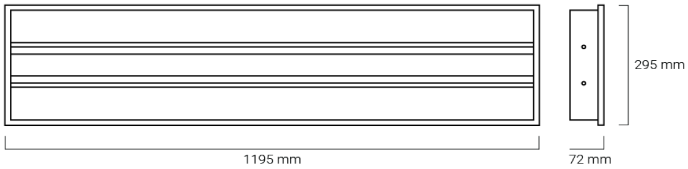
DIMENSIONS

Product Height	72 mm
Product Length	1195 mm
Product Width	295 mm

All dimensions are +/- 1mm.

LINE DRAWINGS

EV/CURVE/ADV/312



PHOTOMETRICS

EV/CURVE/ADV/312/30W