ELS16X495-01CFV72



Linear luminaire | Drum luminaire | Ring luminaire | Batten luminaire

LINEAR LED MODULE

VOLTAGE / CURRENT (50 cm)	POWER (50 cm)	DIMENSIONS	CCT / lm / lm/W (50 cm)
24 V Channel: 297 mA Both full: 594 mA	Channel: 7.13 W Both full: 14.26 W	15.6 × 495 mm	2700 K: 700 / 98 6500 K: 853 / 120 Both full: 1553 / 109

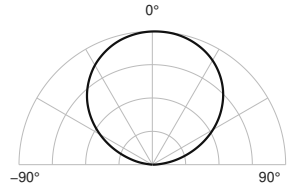
TECHNICAL DATA

Module Product Code	**ELS16X495-01CFV72**
Applications	Linear, batten, ring and drum luminaires
Photometric Data	
Colour Temperatures	2700 K + 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (50 cm)	2700 K: 700 lm / 6500 K: 853 lm; Both full: 1553 lm
CRI [Ra]	80
Efficacy [lm/W]	2700 K: 98 / 6500 K: 120; Both full: 109
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Two independent colour channels
Voltage (50 cm)	24 Vdc
Current (50 cm)	Channel: 297 mA; Both full: 594 mA
Power (50 cm)	Channel: 7.13 W; Both full: 14.26 W
Dimming	24 V Tunable White controller
Circuit / LED Current	Each channel: 6S × 6P / 49.5 mA/LED

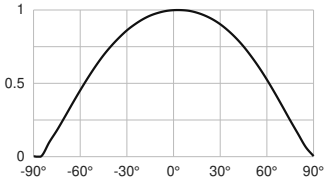
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	15.6 mm	LED / Package	11L-3BT / 2835
Length	495 mm	Resistor	24 current + 12 bridges /1206
Thickness	1.6 mm	Connector	+24 V / -27K / -65K
PCB Material	CEM-1	Operating Temperature [Tc]	-40 … +85 °C
LED Count	36 + 36 / 50 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	82.5 mm	Source	DS215-9 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

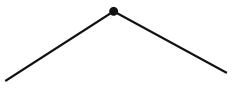
Polar Distribution



Angle - Relative Intensity



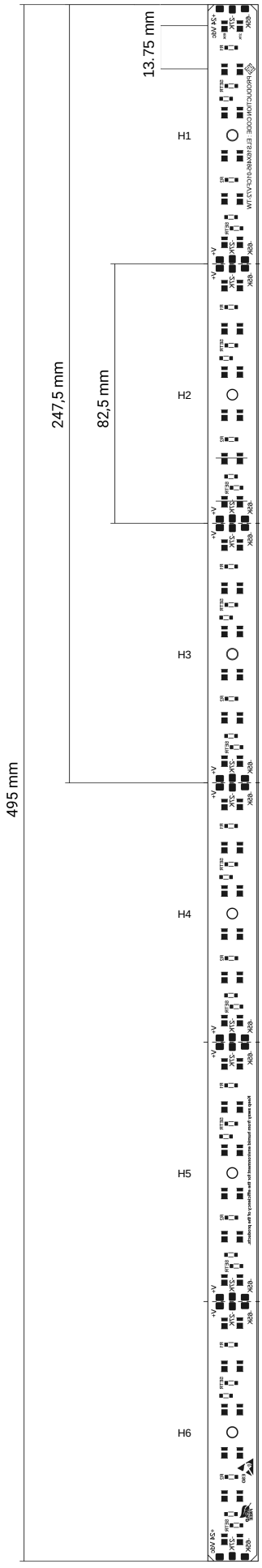
50% Intensity Angle



≈ 119°
I / Imax = 0.5

Bridgelux DS215-9, p.12 Fig.7; 60 mA, Tsp=25 °C. LED curve; not a module/lens measurement.

Per channel: 24 V, 297 mA, 7.128 W target. Both full: 14.256 W. Typical LED sum, not measured; thermal/optical/controller losses excluded.



15.6 mm

6 × Ø3,2 mm

Mounting: X from left / Y from top (mm)

H1 41.55 / 7.80; H2 124.05 / 7.80; H3 206.55 / 7.80
H4 289.05 / 7.77; H5 371.55 / 7.77; H6 454.00 / 7.77

H1-H2 = H2-H3 = H3-H4 = H4-H5: 82.50 mm
H5-H6: 82.45 mm; 6 × Ø3.2 mm