ELS16X495-01CFT36



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)
12 V · 594.12 mA	7.13 W	15.6 × 495.1 mm	2700 K: 700 / 98 3000 K: 792 / 111 4000 K: 853 / 120 6500 K: 853 / 120

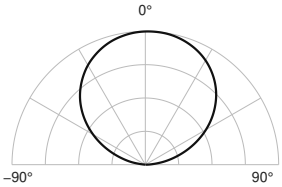
TECHNICAL DATA

Module Product Code	**ELS16X495-01CFT36**
Applications	Linear, batten, ring and drum luminaires
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (50 cm)	700 / 792 / 853 / 853 lm
CRI [Ra]	80
Efficacy [lm/W]	98 / 111 / 120 / 120
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant voltage
Voltage (50 cm)	12 Vdc
Current (50 cm)	594.12 mA
Power (50 cm)	7.13 W
Dimming	With compatible 12 V controller
Circuit / LED Current	3S × 12P / 49.51 mA / LED

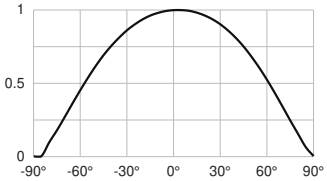
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	15.6 mm	LED / Package	11L-3BT / 2835
Length	495.1 mm	Resistor	12 × 1206
Thickness	1.6 mm	Connector	—
PCB Material	CEM-1	Operating Temperature [Tc]	-40 … +85 °C
LED Count	36 / 50 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	41.25 mm	Source	DS215-9 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

Polar Distribution



Angle - Relative Intensity



50% Intensity Angle

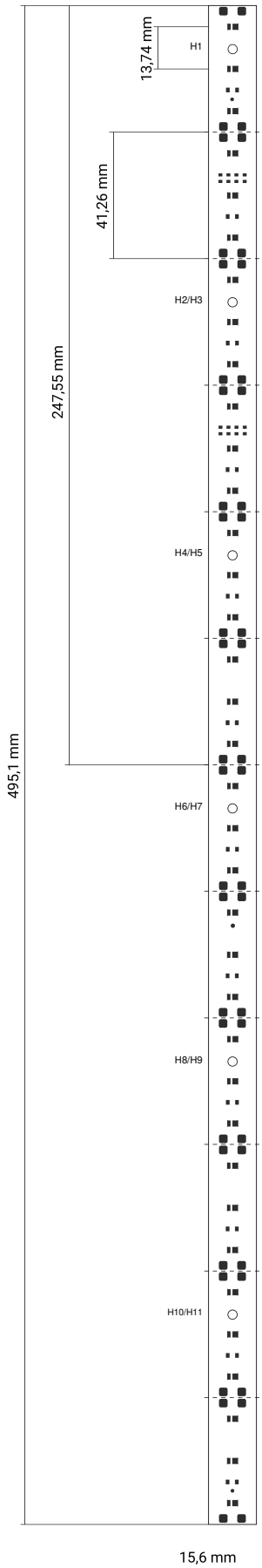


≈ 119°

I / Imax = 0.5

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

12 V: 7.12944 W per board (nominal 50 cm); 594.12 mA total, 49.51 mA per LED. Typical LED total; thermal/optical losses excluded, not a module measurement.



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

H1: X 14.21; Y 7.85; Ø3
H2/H3: X 96.70; Y 7.82; Ø3
H4/H5: X 179.20; Y 7.82; Ø3
H6/H7: X 261.70; Y 7.82; Ø3
H8/H9: X 344.20; Y 7.82; Ø3
H10/H11: X 426.70; Y 7.82; Ø3

H1-H2: 82.49; H2-H4: 82.50 mm

H1-H4: 164.99 mm; X0-H1: 14.21 mm