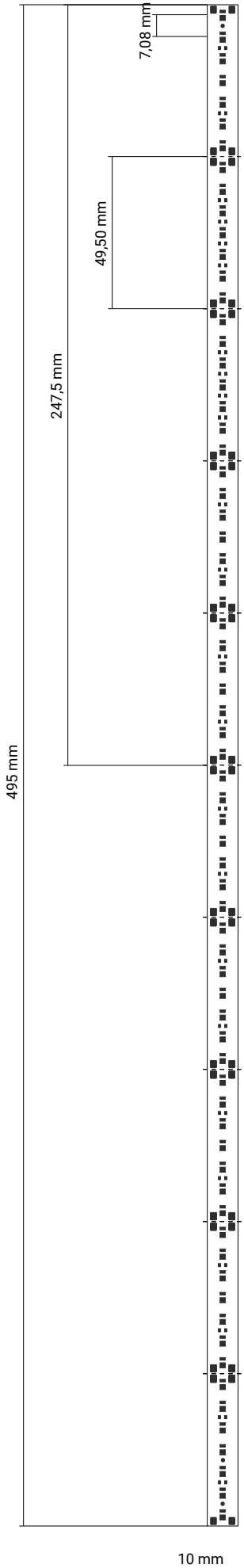
ELS10X495-01CFV70



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 · 297 mA	7.13 W	10 × 495 mm	2700 K: 853 / 120 3000 K: 964 / 135 4000 K: 1038 / 146 6500 K: 1038 / 146



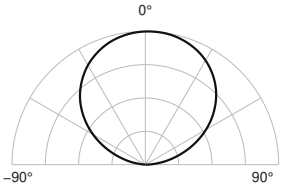
TECHNICAL DATA

Module Product Code	**ELS10X495-01CFV70**
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)	853 / 964 / 1038 / 1038 lm
CRI [Ra]	80
Efficacy [lm/W]	120 / 135 / 146 / 146
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant voltage
Voltage (50 cm)	24 Vdc
Current (50 cm)	297 mA
Power (50 cm)	7.13 W
Dimming	With compatible 24 V controller
Circuit / LED Current	7S × 10P / 29.7 mA / LED

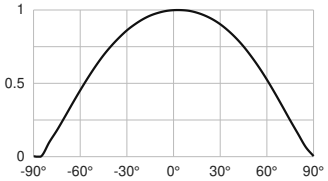
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	10 mm	LED / Package	11L-3BT / 2835
Length	495 mm	Resistor	20 × 0805
Thickness	1.6 mm	Connector	—
PCB Material	CEM-1	Operating Temperature [Tc]	-40 … +85 °C
LED Count	70 / 50 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	49.5 mm	Source	DS215-9 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

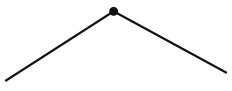
Polar Distribution



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.

24 V nominal target: 297 mA / 7.128 W; 7S10P, 29.7 mA/LED. Typical LED flux sum; thermal/optical losses excluded, not measured.