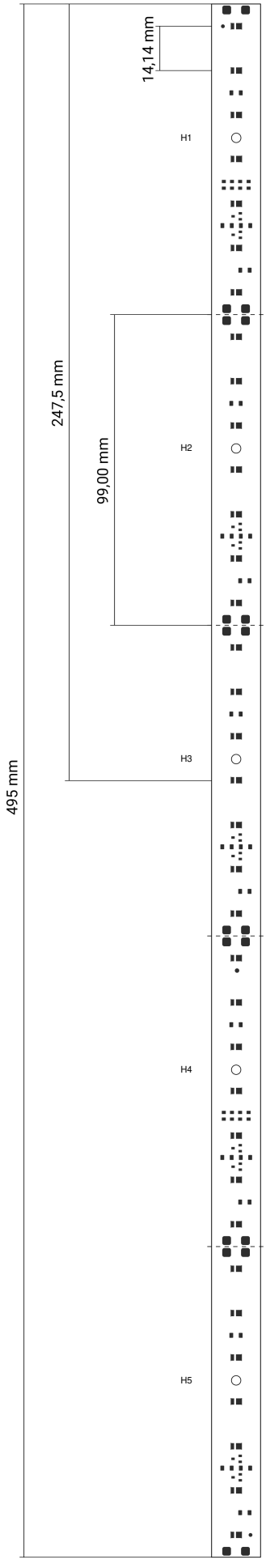
ELS16X495-01CFV35

LINEAR LED MODULE



Linear luminaire | Drum luminaire | Ring luminaire | Batten luminaire

VOLTAGE / CURRENT (50 cm)	POWER (50 cm)	DIMENSIONS	CCT / lm / lm/W (50 cm)
24 V · 297 mA	7.13 W	15.6 × 495 mm	2700 K: 798 / 112 3000 K: 902 / 127 4000 K: 972 / 136 6500 K: 972 / 136



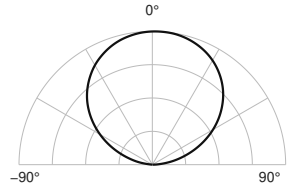
TECHNICAL DATA

Module Product Code	**ELS16X495-01CFV35**
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)	798 / 902 / 972 / 972 lm
CRI [Ra]	80
Efficacy [lm/W]	112 / 127 / 136 / 136
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 × 5P / 59.4 mA / LED

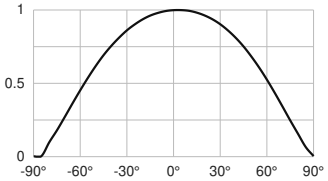
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	15.6 mm	LED / Package	11L-3BT / 2835
Length	495 mm	Resistor	10 × 1206
Thickness	1.6 mm	Connector	—
PCB Material	CEM-1	Operating Temperature [Tc]	-40 … +85 °C
LED Count	35 / 50 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	99 mm	Source	DS215-9 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

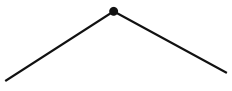
Polar Distribution



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: 7.128 W per board (nominal 50 cm); 297 mA total, 59.4 mA per LED. Typical LED total; thermal/optical losses excluded, not a module measurement.

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

H1: X 42.66; Y 7.85 mm
H2: X 141.65; Y 7.82 mm
H3: X 240.65; Y 7.82 mm
H4: X 339.65; Y 7.82 mm
H5: X 438.65; Y 7.82 mm
5 × Ø3.0 mm; H1-H2: 98.98 mm; H2-H3: 99.00 mm