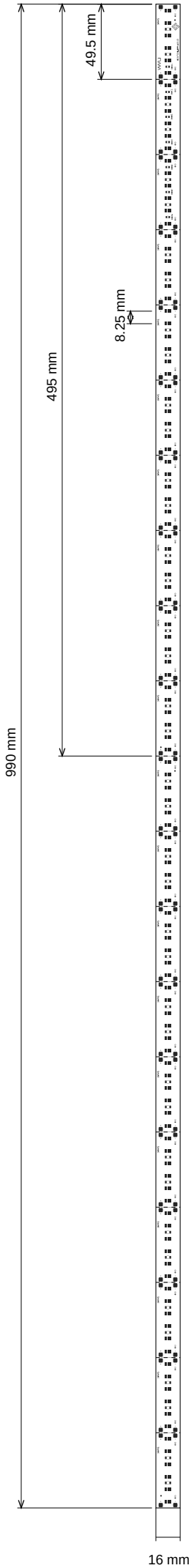
ELS16x990-01CFV120



Linear luminaire | Drum luminaire | Ring luminaire | LED bar

LINEAR LED MODULE

VOLTAGE / CURRENT (100 cm)	POWER (100 cm)	DIMENSIONS	CCT / lm / lm/W (100 cm)
24 V · 576.68 mA	13.84 W	16 × 990 mm	2700 K: 1421 / 103 3000 K: 1607 / 116 4000 K: 1730 / 125 6500 K: 1730 / 125



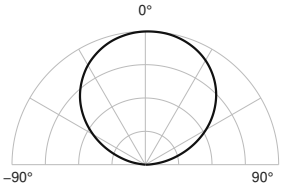
TECHNICAL DATA

Module Product Code	**ELS16x990-01CFV120**
Applications	Linear, LED bar, ring and drum luminaires
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (100 cm)	1421 / 1607 / 1730 / 1730 lm
CRI [Ra]	80
Efficacy [lm/W]	103 / 116 / 125 / 125
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant voltage
Voltage (100 cm)	24 Vdc
Current (100 cm)	576.68 mA
Power (100 cm)	13.84 W
Dimming	With compatible 24 V controller
Circuit / LED Current	6S × 20P / 28.83 mA / LED

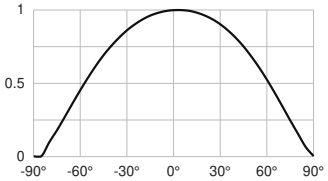
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	16 mm	LED / Package	11L-3BT / 2835
Length	990 mm	Resistor	40 × 105 Ω / 1206
Thickness	1.6 mm	Connector	—
PCB Material	CEM-1	Operating Temperature [Tc]	-40 … +85 °C
LED Count	120 / 100 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	49.5 mm	Source	DS215-9 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

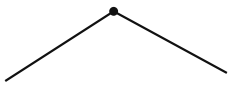
Polar Distribution



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, 2 × 105 Ω/section: 576.68 mA / 13.84 W; 6S20P, 28.83 mA/LED. Typical LED flux sum; thermal/optical losses excluded, not a module measurement.