ELS10X495-01CCS45

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)
44.01 V · 350 mA	15.40 W	10 × 495 mm	2700 K: 2323 / 151 3000 K: 2432 / 158 4000 K: 2541 / 165 6500 K: 2541 / 165

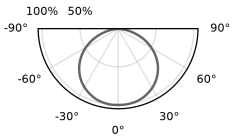
TECHNICAL DATA

Module Product Code	**ELS10X495-01CCS45**
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)	2323 / 2432 / 2541 / 2541 lm
CRI [Ra]	80
Efficacy [lm/W]	151 / 158 / 165 / 165
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant current
Voltage (50 cm)	44.01 V
Current (50 cm)	350 mA
Power (50 cm)	15.40 W
Dimming	With compatible driver
Circuit / LED Current	15S × 3P / 116.7 mA / LED

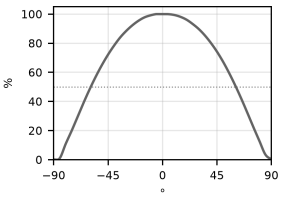
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	10 mm	LED / Package	3AAT / 2835
Length	495 mm	Resistor	Identification only
Thickness	1.6 mm	Connector	No
PCB Material	CEM-1 / FR4	Operating Temperature [Tc]	-40 … +85 °C
LED Count	45 / 50 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	33 mm	Source	DS522-1 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

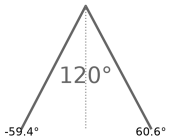
Polar Distribution



Angle - Relative Intensity



50% Intensity Angle



Schematic angle display

Bridgelux DS522-1 Rev.B, p.12 Fig.7; curve at 150 mA, Tsp=25 °C. Not a module/luminaire measurement.

44.01 V / 15.40 W typical; 350 mA, 15S3P. Flux: typical LED total at 25 °C; optical/thermal losses excluded.

