ELS16X495-01CCK42

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)
42 V · 350 mA	14.70 W	15.621 × 495.00 mm	2700 K: 2168 / 147 3000 K: 2270 / 154 4000 K: 2371 / 161 6500 K: 2371 / 161

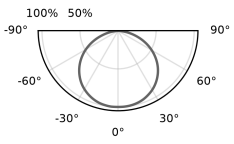
TECHNICAL DATA

Module Product Code	**ELS16X495-01CCK42**
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)	2168 / 2270 / 2371 / 2371 lm
CRI [Ra]	80
Efficacy [lm/W]	147 / 154 / 161 / 161
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant current
Voltage (50 cm)	42 V (nom.)
Current (50 cm)	350 mA
Power (50 cm)	14.70 W (nom.)
Dimming	With compatible driver
Circuit / LED Current	14S × 3P / 116.7 mA / LED

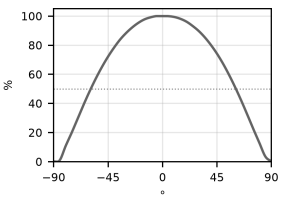
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	15.621 mm	LED / Package	3AAT / 2835
Length	495.00 mm	Resistor	Identification only
Thickness	1.6 mm	Connector	28 × WAGO
PCB Material	CEM-1 / FR-4	Operating Temperature [Tc]	-40 … +85 °C
LED Count	42 / 50 cm	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	35.3 mm	Source	DS522-1 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

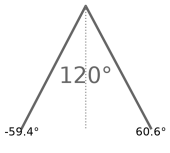
Polar Distribution



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.

42 V catalogue nominal × 350 mA = 14.70 W (50 cm). 14S3P; flux is the typical LED total at 25 °C, excluding optical/thermal losses.

