E-112CC

LINEAR LED MODULE



Linear luminaire | Drum luminaire | Ring luminaire | Batten luminaire

VOLTAGE / CURRENT (100 cm)	POWER (100 cm)	DIMENSIONS	CCT / lm / lm/W (100 cm)
84.29 V* · 350 mA	29.5 W	18 × 990 mm	2700 K: 4479 / 152 3000 K: 4689 / 159 4000 K: 4898 / 166 6500 K: 4898 / 166

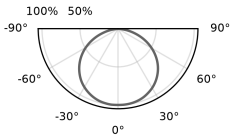
TECHNICAL DATA

Module Product Code	**E-112CC**
Applications	Linear, batten, ring and drum luminaires
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux [lm] (100 cm)	4479 / 4689 / 4898 / 4898
CRI [Ra]	80
Efficacy [lm/W]	152 / 159 / 166 / 166
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data	
Operating Mode	Constant current
Voltage [V] (100 cm)	84.29*
Current [mA] (100 cm)	350
Power [W] (100 cm)	29.5
Dimming	With compatible driver
Circuit / LED Current	28 series × 4 parallel / 87.5 mA

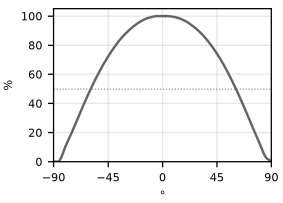
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	18 mm	LED / Package	3AAT / 2835
Length	990 mm	Resistor	Identification only
Thickness	1 mm	Connector	No
PCB Material	FR4	Operating Temperature [Tc]	-40 … +85 °C
LED Count	112	Ambient Temperature	-40 … +50 °C
V-cut (catalogue nominal)	35.5 mm	Source	DS522-1 / Fig. 7

TYPICAL DISTRIBUTION OF THE LED USED

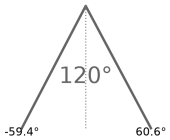
Polar Distribution



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.
29.5 W: user declaration. *84.29 V = 29.5 W / 0.35 A; not measured.
Flux: typical 25 °C calculation, equal sharing; lm/W based on 29.5 W. Optical/thermal losses excluded.

