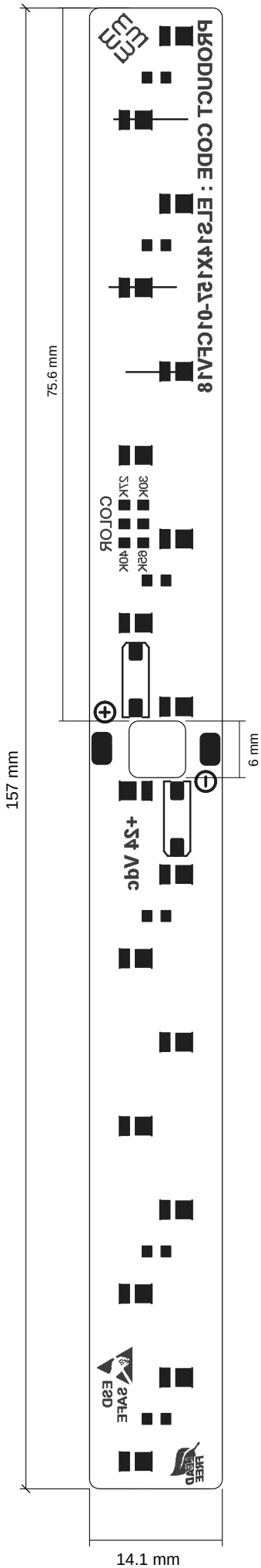
ELS14X157-01CFV18

LINEAR LED MODULE

Awnings and pergolas

VOLTAGE / CURRENT (1 board)	POWER (1 board)	DIMENSIONS	CCT / lm / lm/W (1 board)
24 V · 166.67 mA	4 W	14.1 × 157 mm	2700 K: 387 / 97 3000 K: 438 / 109 4000 K: 472 / 118 6500 K: 472 / 118



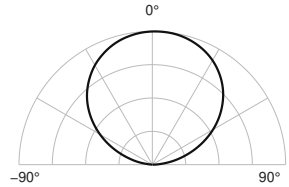
TECHNICAL DATA

Module Product Code	**ELS14X157-01CFV18**
Applications	Awnings and pergolas
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (1 board)	387 / 438 / 472 / 472 lm
CRI [Ra]	80
Efficacy [lm/W]	97 / 109 / 118 / 118
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant voltage
Voltage (1 board)	24 Vdc
Current (1 board)	166.67 mA
Power (1 board)	4 W
Dimming	With compatible 24 V controller
Circuit / LED Current	6S × 3P / 55.56 mA / LED

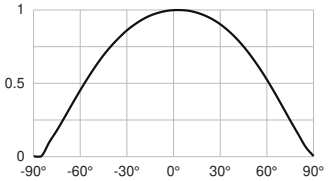
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	14.1 mm	LED / Package	11L-3BT / 2835
Length	157 mm	Resistor	6 × 0805
Thickness	1.6 mm	Connector	2 × WAGO
PCB Material	CEM-1	Operating Temperature [Tc]	-40 … +85 °C
LED Count	18	Ambient Temperature	-40 … +50 °C
V-cut	None	Source	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, user-declared 4 W/board; total 166.67 mA, 55.56 mA/LED with equal sharing. Typical LED sum; thermal/optical losses excluded. Not a module measurement.