HLS16X300-02ACP12-3535

LINEAR LED MODULE

Jewellery

12 LED · 30 cm

LED	mA	V	W	2700 K / lm	3000 K / lm	4000 K / lm	6500 K / lm
12	350	34.80	12.18	1710	1830	1950	1950
12	500	34.95	17.48	2334	2498	2662	2662
12	700	35.81	25.07	3097	3315	3532	3532
12	1050	37.10	38.95	4279	4580	4880	4880
12	1400	38.20	53.48	5305	5678	6050	6050

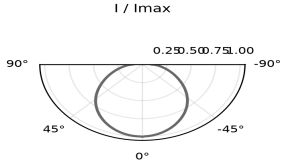
TECHNICAL DATA

Module Product Code	**HLS16X300-02ACP12-3535**
Applications	Jewellery lighting
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (30 cm)	1710 / 1830 / 1950 / 1950 lm @ 350 mA
CRI [Ra]	>80
Efficacy [lm/W]	140 / 150 / 160 / 160 @ 350 mA
Beam Angle	115° (LED)
Warranty	3 years
Electrical data - typical / reference	
Operating Mode	Constant current
Voltage (30 cm)	34.80 / 34.95 / 35.81 / 37.10 / 38.20 V
Current (30 cm)	350 / 500 / 700 / 1050 / 1400 mA
Power (30 cm)	12.18 / 17.48 / 25.07 / 38.95 / 53.48 W
Dimming	With compatible driver
Circuit / LED Current	12S · 350 / 500 / 700 / 1050 / 1400 mA/LED

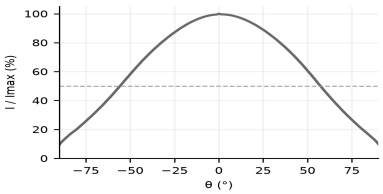
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	16.09852 mm	LED / Package	Cree XT-E / 3535
Length	299.99686 mm	Resistor	No current-setting resistor
Thickness	1.6 mm	Connector	Solder pads
PCB Material	Aluminium	Tp	+65 °C (Tp)
LED Count	12 / 30 cm	Ambient Temperature	-40 … +60 °C
V-cut (catalogue nominal)	25 mm	Source	CLD-DS41 / p.24

TYPICAL DISTRIBUTION OF THE LED USED

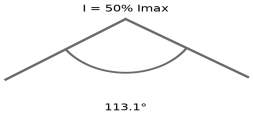
Polar Distribution



Angle - Relative Intensity



50% Intensity Angle



Cree XT-E CLD-DS41 Rev26A, p.24. LED curve; not a module/lens measurement.

Current curve at 85 °C; LMW flux reference at 350 mA. User voltage floor: 2.9 V/LED; not measured. Flux is the historical LMW 350 mA reference, not a stock-bin guarantee.

