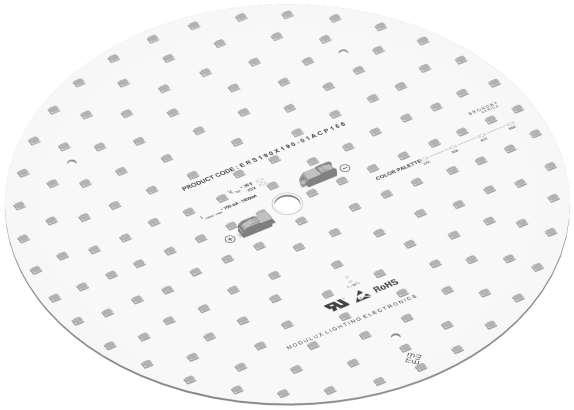
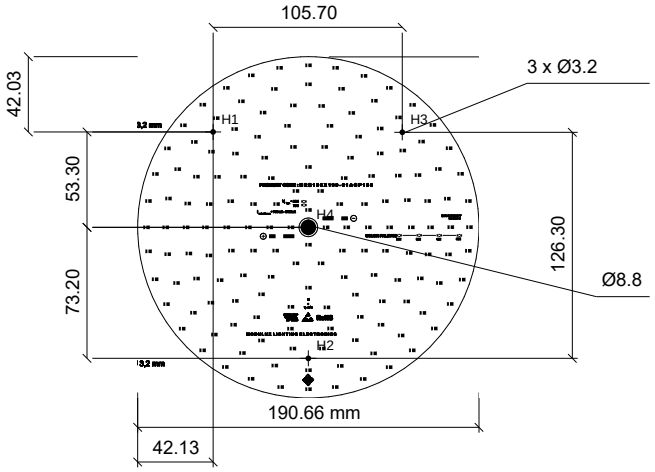
Downlight Spotlight

ERS190X190-01ACP156

ROUND LED MODULE





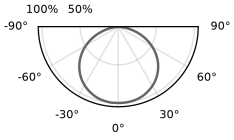
VOLTAGE / CURRENT (1 item)	POWER (1 item)	DIMENSIONS	CCT / lm / lm/W (1 item)
34.99 V · 1400 mA	48.99 W	190.66 × 1 mm	2700 K: 7507 / 153 3000 K: 7859 / 160 4000 K: 8211 / 168 6500 K: 8211 / 168

Module Product Code	**ERS190X190-01ACP156**
Applications	Downlights and spotlights
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (1 item)	7507 / 7859 / 8211 / 8211 lm
CRI [Ra]	80
Efficacy [lm/W]	153 / 160 / 168 / 168
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant current
Voltage (1 item)	34.99 V
Current (1 item)	1400 mA
Power (1 item)	48.99 W
Dimming	With compatible driver
Circuit / LED Current	12S × 13P / 107.69 mA / LED

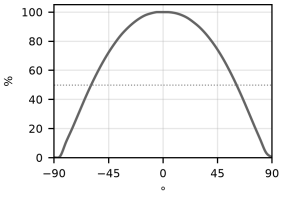
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	190.66 mm	LED / Package	3AAT / 2835
Length	190.66 mm	Resistor	None
Thickness	1.0 mm	Connector	2 × WAGO
PCB Material	Aluminium	Operating Temperature [Tc]	-40 … +85 °C
LED Count	156	Ambient Temperature	-40 … +50 °C
Mounting holes	3 × Ø3.2 + Ø8.8	Source	DS522-1 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

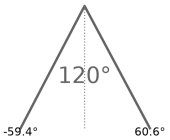
Polar Distribution



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.

1400 mA, 12S13P; LED current 107.69 mA. Typical LED total at 25 °C; equal sharing in 13 parallel branches, optical/thermal losses excluded.