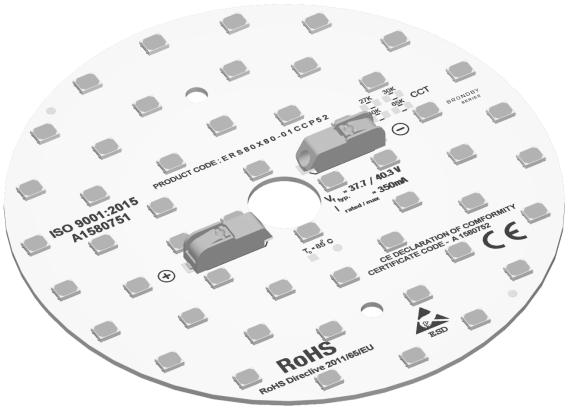
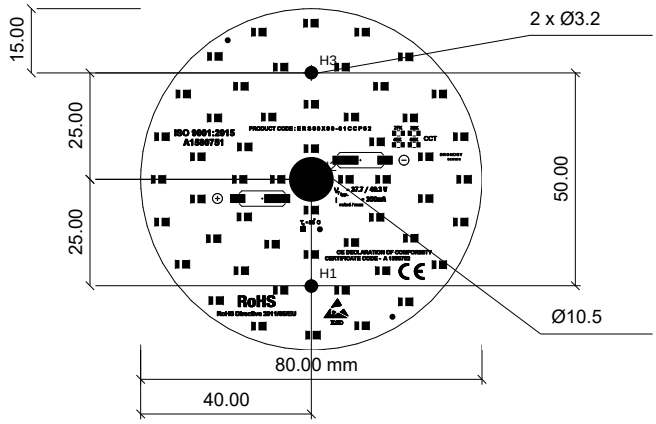
Downlight Spotlight

ERS80X80-01CCP52

ROUND LED MODULE





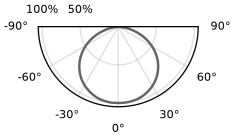
VOLTAGE / CURRENT (1 item)	POWER (1 item)	DIMENSIONS	CCT / lm / lm/W (1 item)
37.70 V · 350 mA	13.20 W	80.00 × 1 mm	2700 K: 2079 / 158 3000 K: 2177 / 165 4000 K: 2274 / 172 6500 K: 2274 / 172

Module Product Code	**ERS80X80-01CCP52**
Applications	Downlights and spotlights
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (1 item)	2079 / 2177 / 2274 / 2274 lm
CRI [Ra]	80
Efficacy [lm/W]	158 / 165 / 172 / 172
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - typical at 25 °C	
Operating Mode	Constant current
Voltage (1 item)	37.70 V
Current (1 item)	350 mA
Power (1 item)	13.20 W
Dimming	With compatible driver
Circuit / LED Current	13S × 4P / 87.50 mA / LED

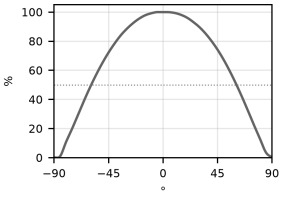
Dimensions / **Mechanical Data**		**Components** / **Packages** / **Temperature**	
Width	80.00 mm	LED / Package	3AAT / 2835
Length	80.00 mm	Resistor	None
Thickness	1.0 mm	Connector	2 × WAGO
PCB Material	Aluminium	Operating Temperature [Tc]	-40 … +85 °C
LED Count	52	Ambient Temperature	-40 … +50 °C
Mounting holes	2 × Ø3.2 + Ø10.5	Source	DS522-1 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

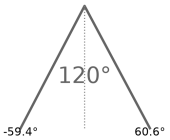
Polar Distribution



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.

350 mA, 13S4P; 87.5 mA/LED. Voltage uses the user-specified 2.9 V/LED floor. Flux: typical LED total at 25 °C, equal current sharing, excluding optical/thermal losses. Not a module measurement.