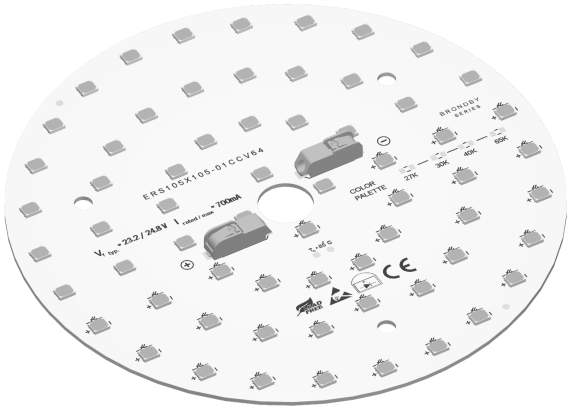
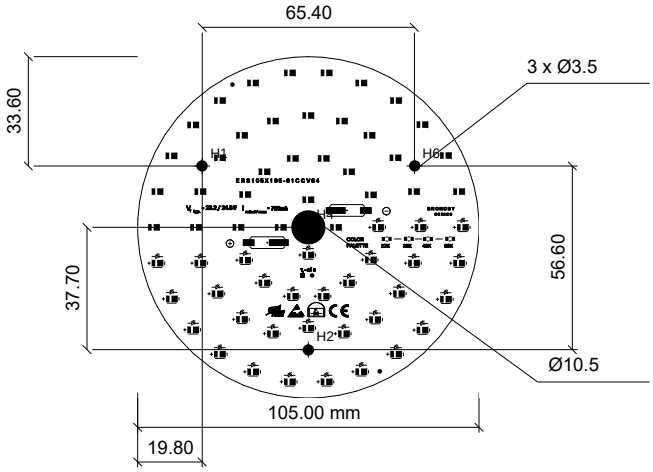
Downlight Spotlight

ERS105X105-01CCV64

ROUND LED MODULE



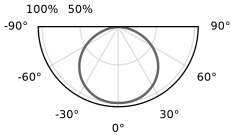


VOLTAGE / CURRENT (1 item)	POWER (1 item)	DIMENSIONS	CCT / lm / lm/W (1 item)
23.20 V · 700 mA	16.24 W	105.00 × 1 mm	2700 K: 2559 / 158 3000 K: 2679 / 165 4000 K: 2799 / 172 6500 K: 2799 / 172

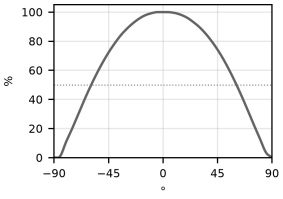
Module Product Code	**ERS105X105-01CCV64**		
Applications	Downlights and spotlights		
Photometric Data			
Colour Temperatures	2700 / 3000 / 4000 / 6500 K		
Colour Consistency	MacAdam Step-3		
Luminous Flux (1 item)	2559 / 2679 / 2799 / 2799 lm		
CRI [Ra]	80		
Efficacy [lm/W]	158 / 165 / 172 / 172		
Beam Angle	120° (typical LED)		
Life L80B10C1 [hours]	40,000		
Electrical Data - typical at 25 °C			
Operating Mode	Constant current		
Voltage (1 item)	23.20 V		
Current (1 item)	700 mA		
Power (1 item)	16.24 W		
Dimming	With compatible driver		
Circuit / LED Current	8S × 8P / 87.50 mA / LED		
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	105.00 mm	LED / Package	3AAT / 2835
Length	105.00 mm	Resistor	None
Thickness	1.0 mm	Connector	2 × WAGO
PCB Material	Aluminium	Operating Temperature [Tc]	-40 … +85 °C
LED Count	64	Ambient Temperature	-40 … +50 °C
Mounting holes	3 × Ø3.5 + Ø10.5	Source	DS522-1 / Fig.7

TYPICAL DISTRIBUTION OF THE LED USED

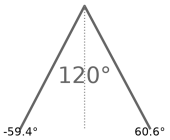
Polar Distribution



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.

700 mA, 8S8P; 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.