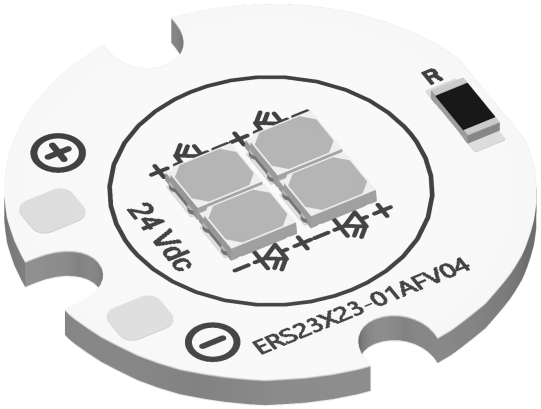
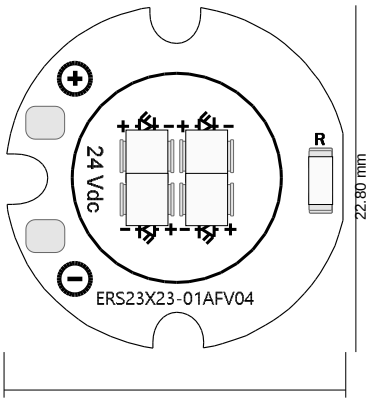
ERS23X23-01AFV04

ROUND LED MODULE

Downlight Spotlight



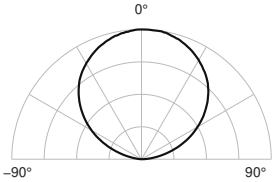


VOLTAGE / CURRENT (1 item)	POWER (1 item)	DIMENSIONS	CCT / lm / lm/W (1 item)
24.00 V · 104.17 mA	2.50 W	22.50 × 22.80 mm	2700 K: 297 / 119 3000 K: 307 / 123 4000 K: 323 / 129 6500 K: 323 / 129

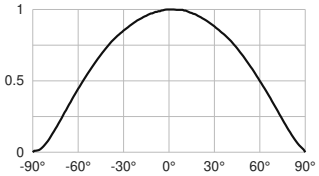
Module Product Code	**ERS23X23-01AFV04**		
Applications	Downlights and spotlights		
Photometric Data			
Colour Temperatures	2700 / 3000 / 4000 / 6500 K		
Colour Consistency	MacAdam Step-3		
Luminous Flux (1 item)	297 / 307 / 323 / 323 lm		
CRI [Ra]	80		
Efficacy [lm/W]	119 / 123 / 129 / 129		
Beam Angle	120° (typical LED)		
Life L80B10C1 [hours]	40,000		
Electrical Data - typical at 25 °C			
Operating Mode	Constant voltage		
Voltage (1 item)	24.00 V		
Current (1 item)	104.17 mA		
Power (1 item)	2.50 W		
Dimming	With compatible 24 V PWM controller		
Circuit / LED Current	4S × 1P / 104.17 mA / LED		
Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	22.50 mm	LED / Package	3 × LM282B+ / 1 × 3 V
Length	22.80 mm	Resistor	1 × 1206
Thickness	1.6 mm	Connector	2 solder terminals
PCB Material	Aluminium	Operating Temperature [Tc]	-40 … +85 °C
LED Count	4	Ambient Temperature	-40 … +50 °C
Mounting holes	3 open notches; no holes	Source	LM282B+ / p.25

TYPICAL DISTRIBUTION OF THE 6 V LED

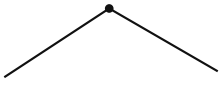
Polar Distribution



Angle - Relative Intensity



50% Intensity Angle



≈ 117°

I / Imax = 0.5

LM282B+ p.25, 150 mA, 25 °C: 6 V LED curve only; not a measurement of the mixed-LED module.

24 V / 2.5 W user declaration; 104.17 mA derived from P/V. Flux: SA reference-bin midpoint at 25 °C. LM281B+ is only a 3 V calculation surrogate, not the fitted part. Optical/thermal losses excluded; not module measurement.