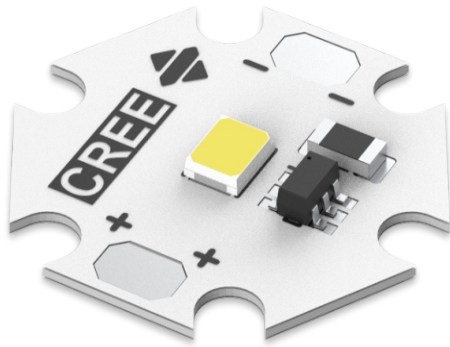


EC-R21.5-0101-L128-12V

New Exprience Of Lighting

- Lumileds Luxeon 2835 SA-A1 3V
- Constant Color, MacAdams Step 3
- Homogeneous illumination
- Optional PCB Material Selection


12V
 CONSTANT
 VOLTAGE

- Substrate:ALU/FR4/CEM1/CEM3
- PCB Thickness:1.0/1.6 mm
- Copper Weight:35Um/70Um
- Surface Treatment:HASL/OSP
- Thermal Conductivity:1W/1.2W/1.5W/2W
- Breakdown Voltage:2000V

Electrical Specification

Product Code	Colour	Luminous Flux TC:25°C Tj:25°C	Forward Voltage Flux Tj:25°C	Serial	Parallel	Power Consumption TC:25°C Tj:25°C	Efficacy TC: 25°C Tj:25°C	CRI
	(k)	(lm)	(v)			(w)	(lm/w)	(Ra)
Operation Mode at 100 mA								
EC-R21.5-0101-L128-12V-30-80	3000	50	12	I	I	1.20	41.66	80
EC-R21.5-0101-L128-12V-40-80	4000	52	12	I	I	1.20	43.33	80
EC-R21.5-0101-L128-12V-65-80	6500	51	12	I	I	1.20	42.50	80
Operation Mode at 150 mA								
EC-R21.5-0101-L128-12V-30-80	3000	72	12	I	I	1.80	40.00	80
EC-R21.5-0101-L128-12V-40-80	4000	75	12	I	I	1.80	41.66	80
EC-R21.5-0101-L128-12V-65-80	6500	74	12	I	I	1.80	41.11	80
Operation Mode at 200 mA								
EC-R21.5-0101-L128-12V-30-80	3000	93	12	I	I	2.40	38.75	80
EC-R21.5-0101-L128-12V-40-80	4000	96	12	I	I	2.40	40.00	80
EC-R21.5-0101-L128-12V-65-80	6500	95	12	I	I	2.40	39.58	80

**These values are estimated.



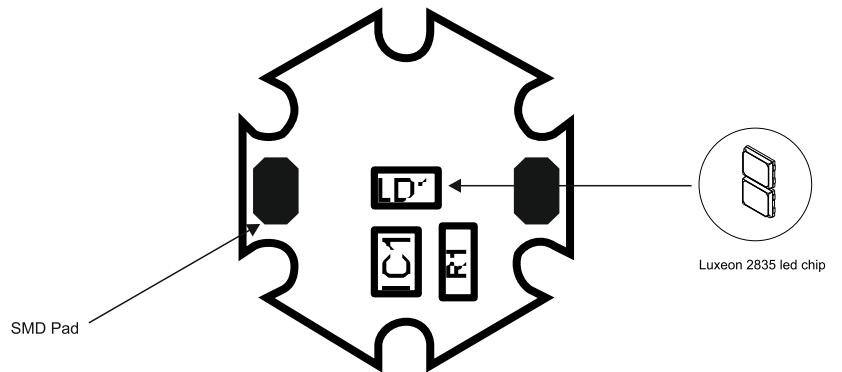
EC-R21.5-0101-L128-12V

Mechanical Specification

New Exprience Of Lighting

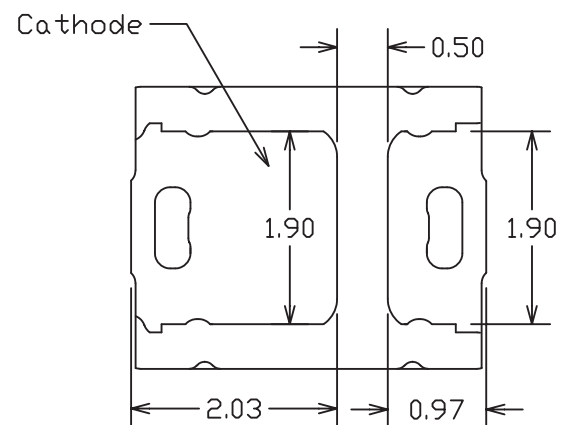
PCB Specification

- Length:20 mm
- Width:20 mm
- Height:2.25 mm
- Thickness of PCB: 1.6 mm

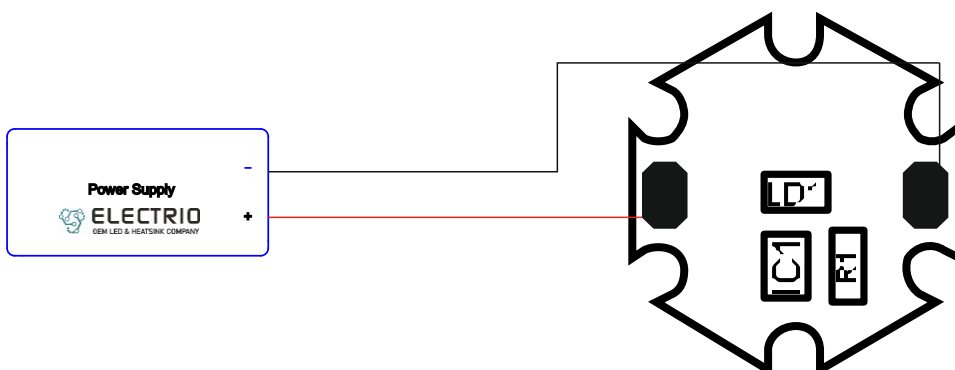


LEDs Specification

- CRI:80
- IF-Type:65 mA
- IF-Max:200 mA
- Tj-Typ(sorting), Tj-Max:45°C-85°C



Connection Diagram

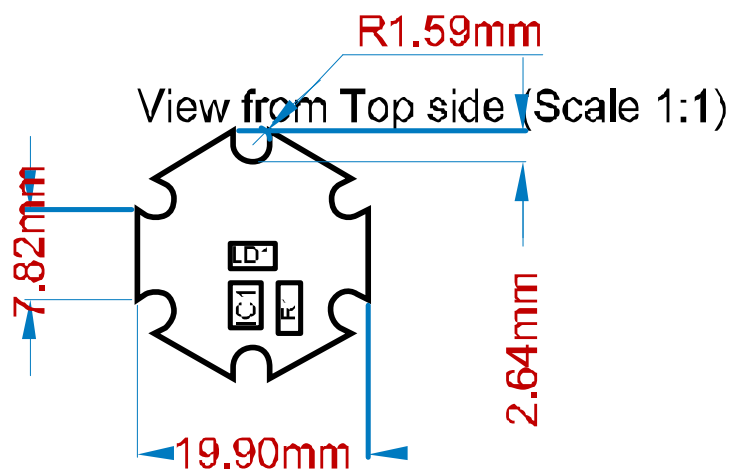


EC-R21.5-0101-L128-12V

Mechanical Dimensions

New Expreience Of Lighting

View from Front side (Scale 1:1)



View from Bottom side (Scale 1:1)

