



- Features**
- Three 1 watt XLamps
 - MCPCB mounted package
 - Connection via solder pads
 - Class II ESD Rating (HBM per Mil-Std-883D)
 - Water clear Lambertian pattern lens
 - RoHS compliant - Lead free
 - This product is suitable for use with the LEDIL Rocket 3 lens range
 - This product must be driven from a current controlled supply
(See Forge Europa data sheet FE-LLD350 for a recommended 350 mA mains voltage LED Lamp Power Driver)

Electro / Optical Characteristics $I_F = 350 \text{ mA}$ $T_a = 25^\circ\text{C}$

Part Number	Emitting Colour	Die Material	Colour Temperature		Forward Voltage V_F		Luminous Flux	Viewing \angle $2\theta_{1/2}$
			min	max				
FEL-LC1WRECWTWCR3	Cool White	InGaN/SiC	5000	10000	9.9	11.7	80.6 min	90
Units			°K		VDC typ	VDC max	lm / LED	deg

Maximum Ratings $T_a = 25^\circ\text{C}$

Characteristic	Condition	Symbol	Rating	Units
DC Forward Current		I_F	350	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
LED Junction Temperature		T_j	150	°C
Operating Temperature		T_{opr}	- 20 to + 80	°C
Storage Temperature		T_{stg}	- 20 to + 100	°C

Notes:

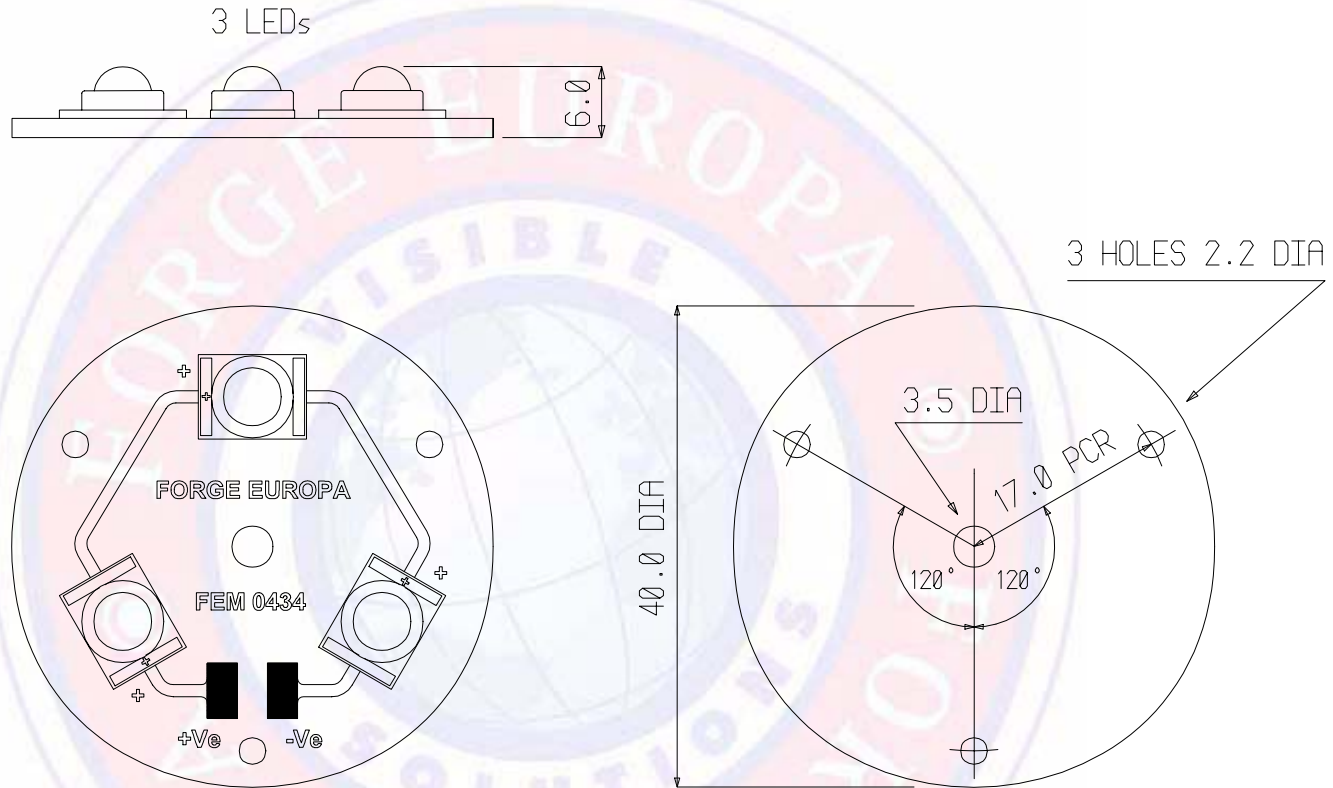
Industry standard procedures regarding static must be observed when handling product with InGaN/SiC die.

Consideration must be given to thermal design such that the maximum LED junction temperature is not exceeded.

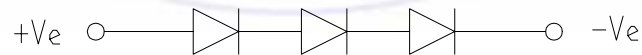
It is the responsibility of the customer to verify the suitability of the product for the application.

Package Outline

Dimensions in mm
Tol ± 0.25 mm unless stated



Connection Diagram



Colour	White
Die Material	InGaN/SiC
Test Current I_F	350 mA
Test Temperature	25°C

Note

Information is collated from testing carried out in the Forge Europa laboratory using its custom-built automated LED test and measurement system. This unique facility measures the total luminous flux of discrete LEDs with great precision.

This information provided by the Life Test Laboratory gives vital data for any design team committed to total quality.

Forge Europa operates a policy of continuous development and reserves the right to make changes and improvements without prior notice.

Intensity variation over test duration

