



# GEN I LED FLOODLIGHT



## GENERAL TECHNICAL DATA & WARRANTY INFORMATION

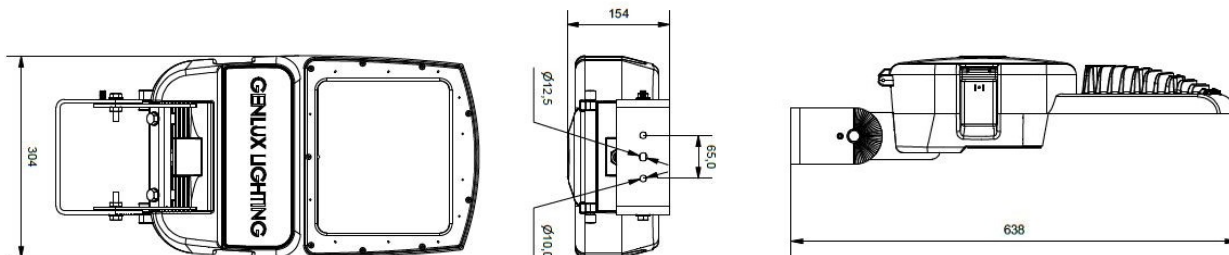
<b>Typical applications:</b>	<ul style="list-style-type: none"> <li>• General area lighting</li> <li>• Parking area lighting</li> <li>• High mast lighting</li> </ul>				
<b>Light source:</b>	High powered LED Modules				
<b>Colour temperature:</b>	<ul style="list-style-type: none"> <li>• 3000K*</li> <li>• 4000K</li> <li>• 5000K*</li> </ul>				
<b>Operating temperature range:</b>	-30°C to 45°C				
<b>Relative humidity:</b>	<table border="1"> <tr> <td><b>Operational:</b></td> <td>5% to 95%</td> </tr> <tr> <td><b>Storage:</b></td> <td>10% to 90%</td> </tr> </table>	<b>Operational:</b>	5% to 95%	<b>Storage:</b>	10% to 90%
<b>Operational:</b>	5% to 95%				
<b>Storage:</b>	10% to 90%				
<b>Design life:</b>	100 000 hours				
<b>Typical Lumen maintenance:</b>	Up to L90 @ 100 000 hours				
<b>IP Rating:</b>	IP66 (Lamp and gear compartment)				
<b>Luminaire housing:</b>	High-pressure die-cast LM6 aluminum finished with a durable dark grey* polyester epoxy powder coating. [*Grey is the standard colour, unpainted or other colours available on request]				
<b>Luminaire clips and fasteners:</b>	<ul style="list-style-type: none"> <li>• 304 Grade stainless steel</li> <li>• 316 Grade stainless steel*</li> </ul>				
<b>Diffuser:</b>	<ul style="list-style-type: none"> <li>• 4mm Clear tempered glass diffuser</li> </ul> [High impact PC diffuser available on request]				
<b>Optics:</b>	Optical grade acrylic (PMMA) Zhaga book 15 compliant lenses				
<b>Impact protection grade:</b>	IK08				
<b>Mounting options:</b>	Adjustable Stirrup mount				
<b>Windage area:</b>	0.095 m <sup>2</sup>				
<b>Dimmable:</b>	1-10V* DALI* D4i*				
<b>Light management system:</b>	Compatible with D4i *				
<b>Surge protection:</b>	20kV / 20kA				
<b>Power supply:</b>	220V to 240V AC 50/60 Hz.				
<b>Power factor:</b>	0.98				
<b>Insulation classification:</b>	Class 1				
<b>Weight:</b>	13 kg				
<b>Compliance standard/s:</b>	<ul style="list-style-type: none"> <li>• SANS / IEC 60598-2-5</li> <li>• SANS 475</li> </ul>				

[\*Available on request]



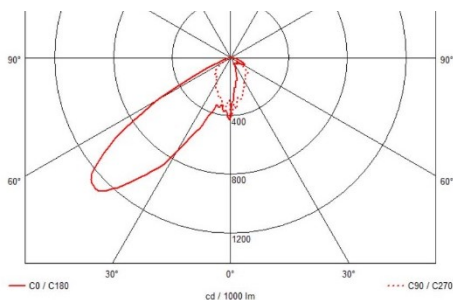
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## DIMENSIONS

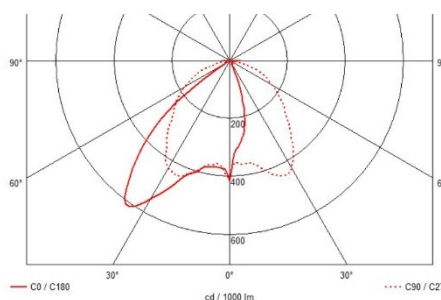


## TYPICAL LIGHT DISTRIBUTION OPTIONS

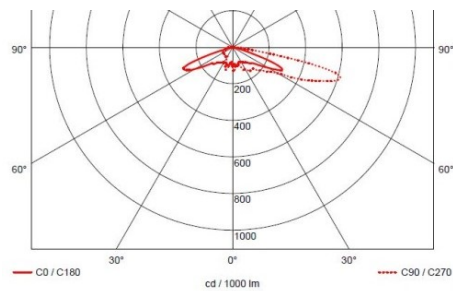
- POLAR DIAGRAMS



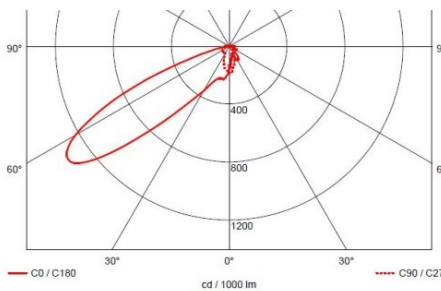
**Optic: 41807**



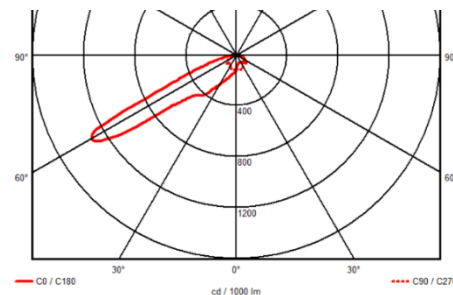
**Optic: 41811**



**Optic: 41815**



**Optic: 41816**



**Optic: 41817**

- Other light distribution options available on request.
- For best light distribution option please request a lighting design for specific application.



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## PRODUCT VARIATIONS & ORDERING CODES

Variation	Driving Current (mA)	Nominal Lumen output *1 (lm)	Effective Lumen output *1 (lm)	Typical Power Consumption (W)	CRI *1 / *3	Lumen Maintenance *2	Weight (Kg)
GEN I FL 1	350	4 436	3 549	25	70	L90	13
	520	5 840	4 672	40			
	700	7640	6112	56			
GEN I FL 2	700	15 280	12 224	111			
GEN I FL 3	520	17 520	14 016	120			
	600	20 170	16 809	138			
GEN I FL 4	505	22 760	18 208	155			

### KEY's & IMPORTANT NOTES

(\*1) Measurement precision for flux +/- 5%, for efficacy +/- 6%, for CRI +/- 1.5

(\*2) Lumen maintenance L90 = 90% of initial flux @ ta 35°C / 100 000hrs

(\*3) 80 CRI available on request

- **E.&O.E.** (errors and omissions excepted)
- **Important notes:**
  - Due to the rapid development in LED technology the performance values, power consumption and lumen output levels stated above are subject to change without prior notice.
  - For any requirements not covered in the above variations please contact us for a tailored solution