

Outdoor Lighting

1 x 3Watt high power Cree LED



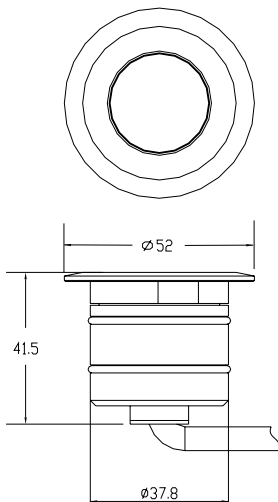
▶ FEATURES

- Very long operation life in excess of 50,000 hours
- Low energy consumption 1-3W
- Robust construction suitable for outdoor application
- Simple to use Ray Driver constant current source

▶ SPECIFICATIONS

<b>COLOR RANGE</b>	Red/Green/Blue/Warm White/Cool White
<b>SOURCE LIFE</b>	50,000 hours under normal operating conditions
<b>LIGHT SOURCE</b>	3 Watt high power Cree LED
<b>POWER REQUIREMENT</b>	350-700mA constant current supply
<b>POWER CONSUMPTION</b>	3W Max
<b>BEAM ANGLE</b>	15 deg ( 25, 10x40 deg optional)
<b>HOUSING</b>	316 stainless steel bezel
<b>INGRESS PROTECTION RATING</b>	IP67
<b>CONNECTION</b>	2 pin connector/cable
<b>LISTING</b>	CE certified
<b>OPERATION TEMPERATURE</b>	-10 degC to +50 degC
<b>STORAGE TEMPERATURE</b>	-20 degC to +70 degC
<b>DIMENSION</b>	37.8mm(Dia) x 41.5mm(Depth)
<b>WEIGHT</b>	150g
<b>POWER AND CONTROL</b>	Ray Driver, 24V power supply

▶ PHYSICAL DIMENSIONS



▶ ORDERING CODE

INSS-3W-WW-1040-24V	Inss 3W Warm White 10x40 Deg
INSS-3W-WW-15-24V	Inss 3W Warm White 15 Deg
INSS-3W-WW-25-24V	Inss 3W Warm White 25 Deg
INSS-3W-CW-15-24V	Inss 3W Cool White 15 Deg
INSS-3W-CW-25-24V	Inss 3W Cool White 25 Deg
INSS-3W-CW-1040-24V	Inss 3W Cool White 10x40 Deg
INSS-3W-NW-15-24V	Inss 3W Neutral White 15 Deg
INSS-3W-NW-25-24V	Inss 3W Neutral White 25 Deg
INSS-3W-NW-1040-24V	Inss 3W Neutral White 10x40 Deg
INSS-1W-RED-15-24V	Inss 3W RED 15 Deg
INSS-1W-GRN-15-24V	Inss 3W Green 15 Deg
INSS-1W-BLU-15-24V	Inss 3W Blue 15 Deg



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**PHOTOMETRIC DATA**

Light source **specifications**

Optics: polycarbonate lens  
 Light source: 1 high power Cree LED ( Warm White, Cool White, **Red, Green, Blue**)  
 Beam angle: 15 deg  
 Light distribution: symmetric direct illumination

**ILLUMINANCE**

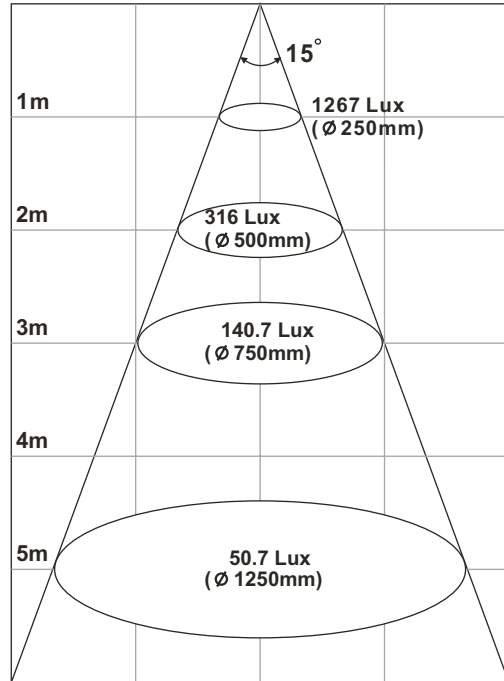
COLOR	1m		2m		3m		5m	
	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
RED	492.7	250	122	500	27.4	750	54.7	1250
GREEN	729.6	250	182	500	81	750	29.3	1250
BLUE	91	250	22.7	500	10	750	3.7	1250
WHITE	1267	250	328	500	140	750	50.7	1250

\* light pattern indicates the size at 50% of peak intensity

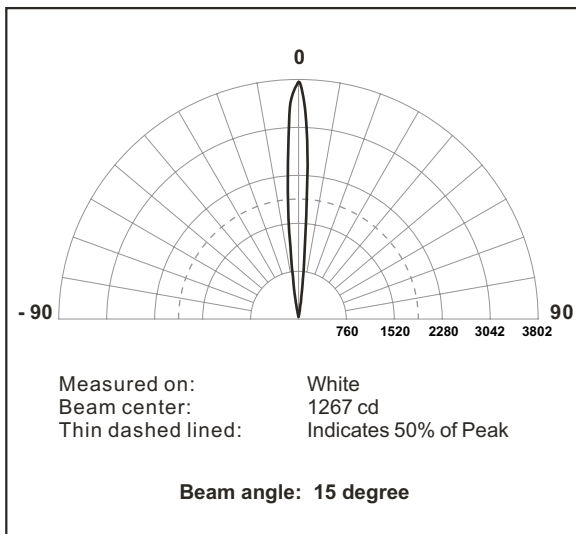
**LIGHT OUTPUT**

COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
WHITE	84.6	2.7	31.35

**Full intensity in white color**

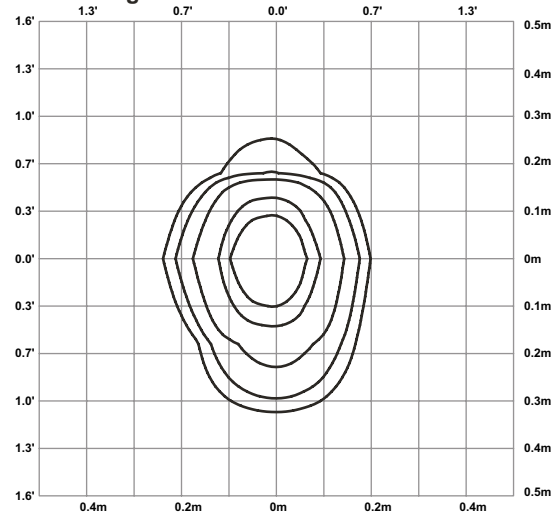


**LIGHT DISTRIBUTION**



IES file is also available

**Isolux diagram**



At 1m distance

- 3% 37.93lx
- 5% 63.2lx
- 10% 126lx
- 30% 379lx
- 50% 632lx

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