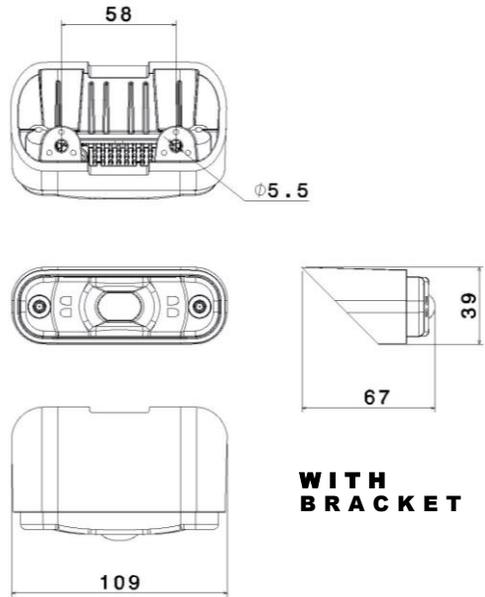
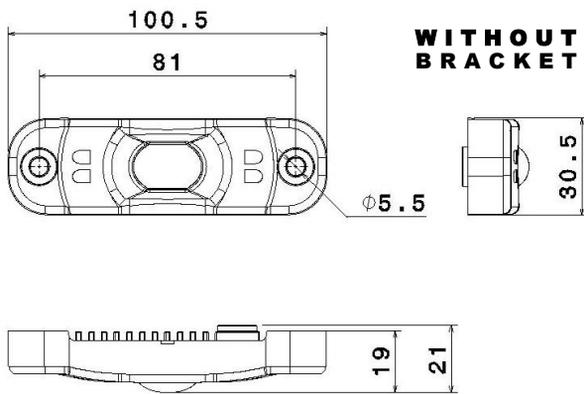




557 | LODESTAR

The applications of this lamp span across unlimited sectors; from transportation and agriculture to construction and personal vehicle use. It emits an intense but directional white light, for both interior and exterior use, ensuring maximum illumination. The module can be paired with a 45° bracket (as shown to the right) to meet further directional lighting requirements.



WEBSITE

beelighting.co.uk

CONTACT

enquiries@beelighting.co.uk

+44 (0)1527 67812

ADDRESS

Merse Road,
North Moons Moat,
Redditch, Worcestershire
B98 9PL



LIT APPEARANCE



WEBSITE

beelighting.co.uk

CONTACT

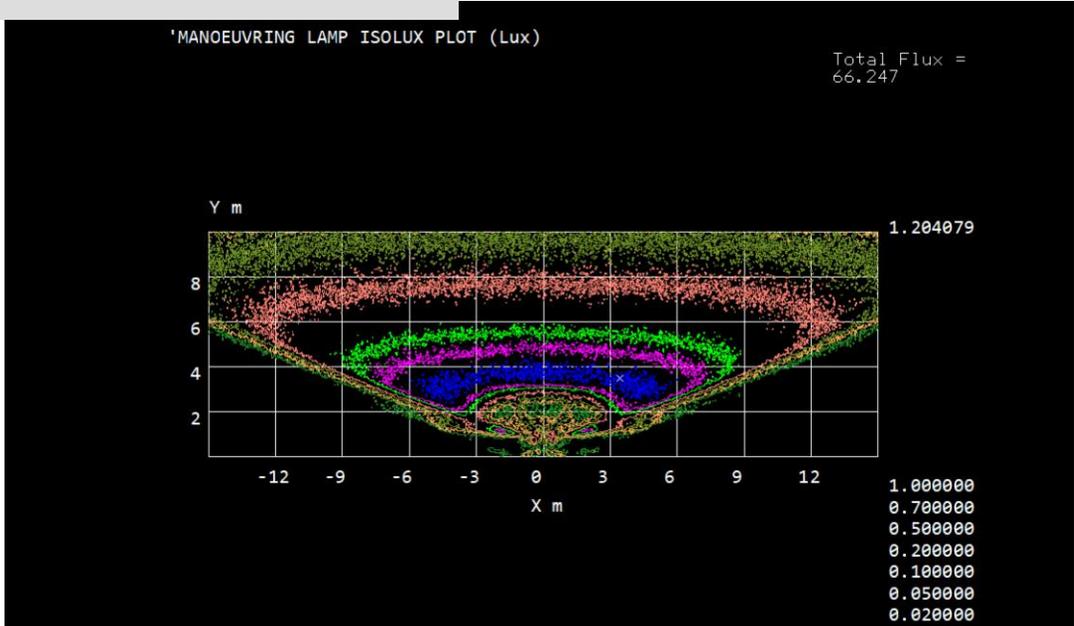
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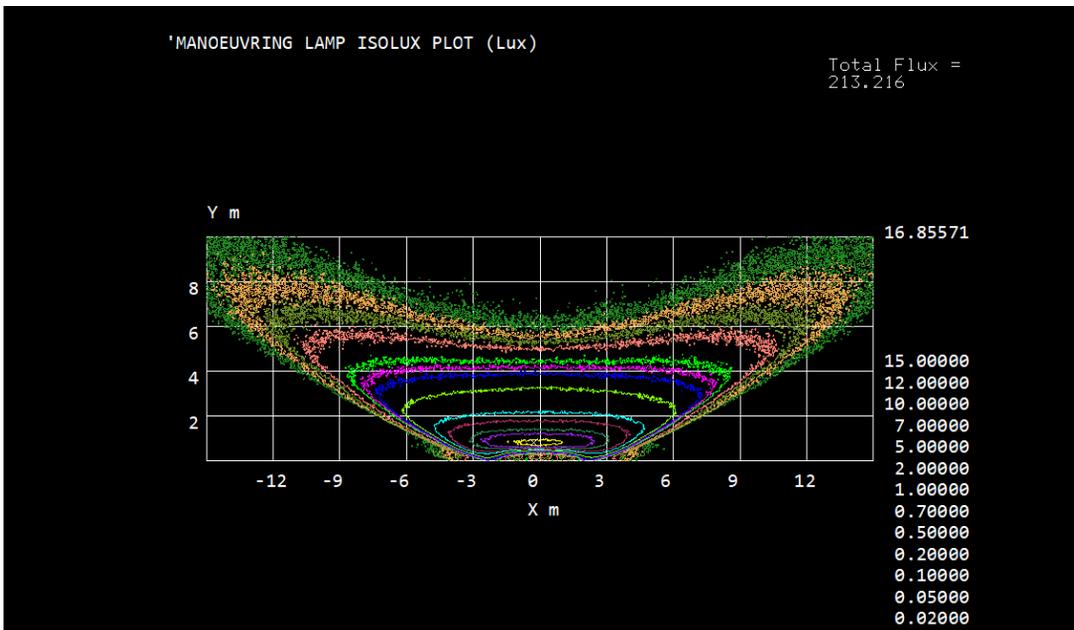
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PHOTOMETRIC OUTPUT



IsoLux plot of the lamp mounted to a vertical face at a height of 1.6m.



IsoCandela plot of the lamp mounted to a vertical face with the 45° bracket assembled, at a height of 1.6m.



SPECIFICATION

SUPPLY VOLTAGE	12-24V
POWER	1.4W
LUMENS	250 lumens
LED (Qty)	1
IP RATING	IP66
APPROVALS	UNECE Regulation 10 FMVSS 108 Class 1 for: Vibration resistance Moisture resistance Dust resistance Corrosion resistance
EMC	✓
FUNCTIONING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-40°C to +100°C
WARRANTY	5 years
WEIGHT	80g

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VALIDATION TESTING

This product is tested to Bee Lighting validation test standard BT-001 which includes the following tests:

THERMAL SHOCK TEST	Exposure to sudden temperature changes from -40°C to 80°C
LOW TEMPERATURE OPERATING ENDURANCE	Extended exposure to extreme low temperature -40°C
HIGH TEMPERATURE OPERATING ENDURANCE	Extended exposure to extreme high temperature +85°C
POWERED THERMAL CYCLE ENDURANCE	Verify the functional performance of the component after extended exposure to cycling extreme low (-40°) and high (85°) temperatures.
HIGH TEMPERATURE AND HUMIDITY ENDURANCE	Verify the functional performance of the component after exposure to high temperatures and high humidity (85°C and 85% RH)
MECHANICAL SHOCK	To verify the functional performance of the component and its capability to withstand continuous shock stresses induced during closing of doors, the boot or the bonnet. 400 m/s ² (41g) / 6 ms shock pulses.
RANDOM VIBRATION ENDURANCE	Varying vibration profile for 10+ hours including cycling extreme low (-40°) and high (85°) temperatures.
PACKAGE DROP	Testing the durability of shipping container via a 1m drop at a variety of angles.
DUST AND WATER RESISTANCE	BSEN 60529:1992+A2:2013, IP 4x, 5x Cat.2 and IP x6
CORROSION TEST	96 hour salt spray test and evaluation of lamp illumination.
CHEMICAL RESISTANCE TEST	Lamp tested for resistance to chemicals likely to be found both inside the vehicle cabin and the vehicle exterior including a variety of solvents, acid, oils and petro-chemicals. For the full list please contact us.
EMC	<p>Tested to Bee Lighting validation test standard BT-004 for the following:</p> <ul style="list-style-type: none"> - Transients on Supply Lines (TSUP) in line with ISO 7637-2 - RF Immunity – Bulk Current Injection (BCI) in line with ISO 11452-4 <p>Electronic Testing validation to Bee Lighting test standard BT-002</p> <ul style="list-style-type: none"> - Electrostatic Discharge Testing validation to Bee Lighting test standard BT-003

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FITMENT

For fitment of the module **without** the bracket, fix directly to the vehicle using fixings 3 & 4.

For fitment of the module with the 45° bracket, first fix the bracket to the vehicle using fixings 1 & 2. Then fix the module to the bracket using fixings 3 & 4.



FIXING SPECIFICATION

NUMBER	FIXING TYPE	TORQUE
1&2	M5x12	3Nm
3&4	M5x25	3Nm

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