TREE AND PENDANT

Tree Light

A tree-mounted light for controlled downlighting and selected canopy illumination.

PRODUCT CODE
LV-TL



CE UKCA MADE IN BRITAIN

KEY FEATURES

- Black anodised aluminium with black oxide stainless steel fasteners.
- IP68 construction with integral anti-wicking barrier.
- 2700K or 3000K; CRI 90+ colour rendering.
- Cree® XHP50 LED; 10°, 18°, 32° or 60° interchangeable colour-coded optics.
- Individually replaceable LED board and cable assembly for long-term serviceability; built-in open-circuit protection on each LED board.
- Tree mounting with articulated head; primarily downlighting, with canopy uplighting possible.
- Supplied complete: Main Head, 150 mm glare guard, Tree Mount with two dual-thread 316 stainless steel hanger bolts and 1 metre of cable; supplied without a riser pole.

IP68 | CLASS III SELV | CRI 90+ | 2700K / 3000K | CREE® XHP50 | MADE IN BRITAIN

BEAM ANGLE	10° | 18° | 32° | 60°
COLOUR TEMP.	2700K | 3000K
FINISH	Black anodised aluminium

OPTICAL AND OUTPUT

LIGHT SOURCE	Cree® XHP50 LED on a replaceable Light Visuals proprietary LED board
COLOUR	2700K or 3000K; CRI 90+
OPTICS	10°, 18°, 32° or 60° interchangeable colour-coded PMMA TIR optics
LENS	Optically clear, stepped toughened glass
GLARE CONTROL	150 mm or 180 mm glare guard, with internal hex cell louvre
OUTPUT AT 350 MA	Approx. 2 W, estimated 200 lm
OUTPUT AT 700 MA	Approx. 4 W, estimated 420 lm

Light outputs are estimates, not measured photometric claims. Output varies with the selected optic and glare-control accessories. Higher-output configurations available on request.

GENERAL

MATERIAL AND FINISH	Black anodised aluminium
PROTECTION	IP68
ELECTRICAL CLASS	Class III SELV
CERTIFICATION	CE / UKCA
ORIGIN	Designed and manufactured in Britain
SERVICEABILITY	Individually replaceable LED board and cable assembly for long-term serviceability

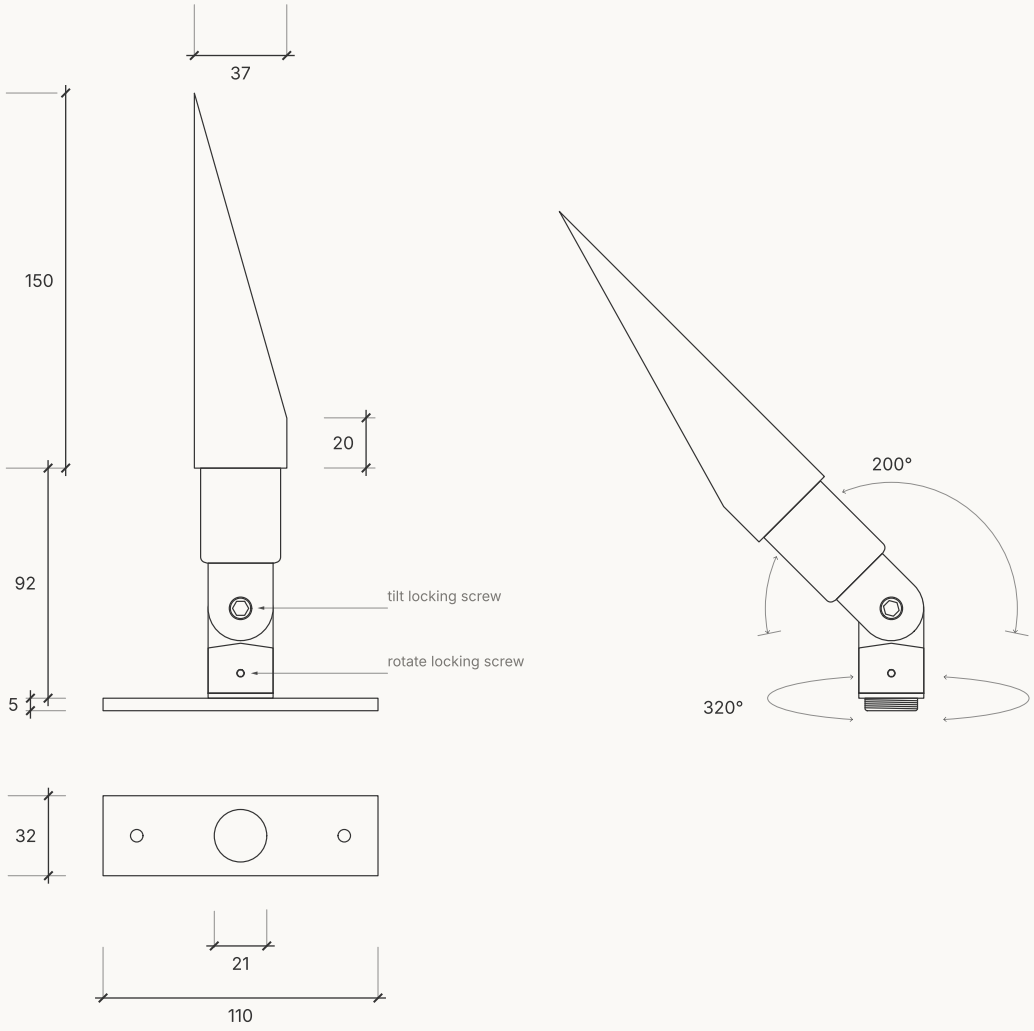
Dimensions, installation, wiring, ordering and warranty detail on the following pages.

TREE LIGHT

Dimensions and installation

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DIMENSION DRAWING



All dimensions in millimetres.

INSTALLATION

SUPPLIED WITH	Main Head, 150 mm glare guard, Tree Mount with two dual-thread 316 stainless steel hanger bolts and 1 metre of cable; supplied without a riser pole
MOUNTING	Attach the tree mount with the two supplied dual-thread 316 stainless steel hanger bolts. Aim the head and position the glare guard after dark. Allow for tree growth and inspect the fixing and cable route periodically. Optional risers provide additional clearance where needed.
ALTERNATIVES	75 mm pole or 150 mm pole; 180 mm glare guard

CABLE SEALING

ANTI-WICKING	Integral anti-wicking barrier. A physical barrier within the resin-sealed cable assembly helps reduce moisture migration along the cable into the luminaire if an external connection allows water ingress.

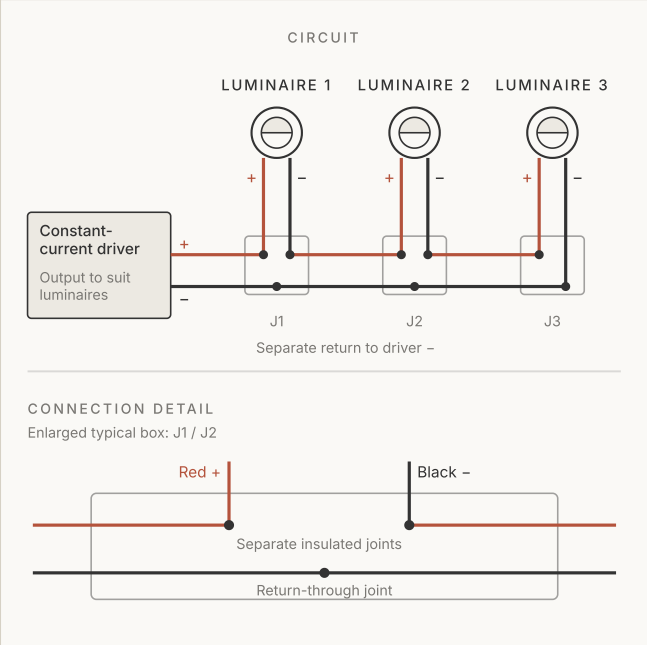
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Wiring and electrical

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SERIES WIRING DIAGRAM



IP68 connections only. Installation by competent persons only. Luminaire leads red + / black –. Dots indicate joints. Schematic only, not to scale.

ELECTRICAL AND DRIVER

ELECTRICAL SYSTEM	Class III SELV; series wired; remote constant-current driver
DRIVE CURRENT	350 mA or 700 mA standard
FORWARD VOLTAGE	6 V DC (Cree® XHP50)
LED PROTECTION	Built-in open-circuit protection on each LED board
DIMMING	Suitable 0-10 V or DALI dimmable constant-current driver; dimming is controlled by the driver, not the luminaire
CABLE	1 m of 2-core 0.75 mm² H05RN-F rubber cable

Driver selection must account for the selected drive current, total forward voltage of the series circuit and the intended dimming/control method. Electrical design and installation should be carried out by a competent person.

BEFORE CONNECTING

ELECTRICAL NOTE

Driver not included. Requires a suitable remote constant-current LED driver. Luminaires are wired in series. Do not connect directly to a standard 12 V or 24 V constant-voltage supply.

DO NOT HOT-PLUG

Isolate the driver's power supply before connecting, disconnecting or altering any LED wiring. Complete all LED connections before energising the driver. Hot-plugging can permanently damage the LEDs. Allow the driver to discharge in accordance with the manufacturer's instructions before reconnecting. Dimming to zero is not isolation.

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Ordering and warranty

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ORDERING CODE

BASE CODE	LV-TL
FORMAT	LV-TL - beam angle - colour temperature - glare guard - riser - TREE
EXAMPLE	LV-TL-18D-3000K-SN150-P75-TREE 18°, 3000K, 150 mm glare guard, 75 mm riser, Tree Mount
NO-RISER EXAMPLE	LV-TL-18D-3000K-SN150-TREE 18°, 3000K, 150 mm glare guard, Tree Mount, no riser. This configuration has no riser pole

OPTION CODES

BEAM ANGLE	10D, 18D, 32D or 60D
COLOUR TEMP.	2700K or 3000K
GLARE GUARD	SN150 150 mm glare guard (standard) SN180 180 mm glare guard
POLE	none: no riser (standard) P75 75 mm P150 150 mm
MOUNTING	TREE Tree Mount

WARRANTY

BLACK ANODISED ALUMINIUM FITTINGS	5 years
LED BOARDS	5 years

All periods cover defects in materials and workmanship. Remote drivers are excluded from the luminaire warranty; any separate manufacturer's warranty applies according to its own terms.

The five-year warranty covers defects in the aluminium body and anodised finish. Normal cosmetic weathering, surface staining and mineral deposits are excluded. Manufacturing defects remain covered. Clean regularly with mild pH-neutral soapy water and a soft, non-abrasive cloth, then rinse thoroughly with clean water. Your statutory rights are unaffected.

FINISHES AND EXCLUSIONS

LED BOARD	Excludes damage caused by lightning, electrical surges, incorrect wiring, unsuitable drivers, operation outside the specified ratings, misuse, accidental damage or unauthorised modification. Servicing and component replacement carried out in accordance with Light Visuals instructions should not invalidate the warranty.