SPOTLIGHTS

Ground Spot 90 Twin Pole 400

Two independently adjustable heads on an elevated 400 mm pole, for separate focal points or simultaneous uplighting and downlighting.

PRODUCT CODE
LV-GS90P400T



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® XP-L 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.
- Two independently adjustable heads, each with independent tilt and rotation locking.
- Supplied complete: Two light heads, Double 90° Head accessory, Pole 400, Triple Spike Small and 1 metre of cable.

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

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

OPTICAL AND OUTPUT

LIGHT SOURCE	Cree® XP-L 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	Internal hex cell louvre and rotatable glare guard with drainage slots on each head
OUTPUT AT 350 MA	Approx. 1.2 W, estimated 80 lm per head
OUTPUT AT 700 MA	Approx. 2.4 W, estimated 150 lm per head

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

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 for each head

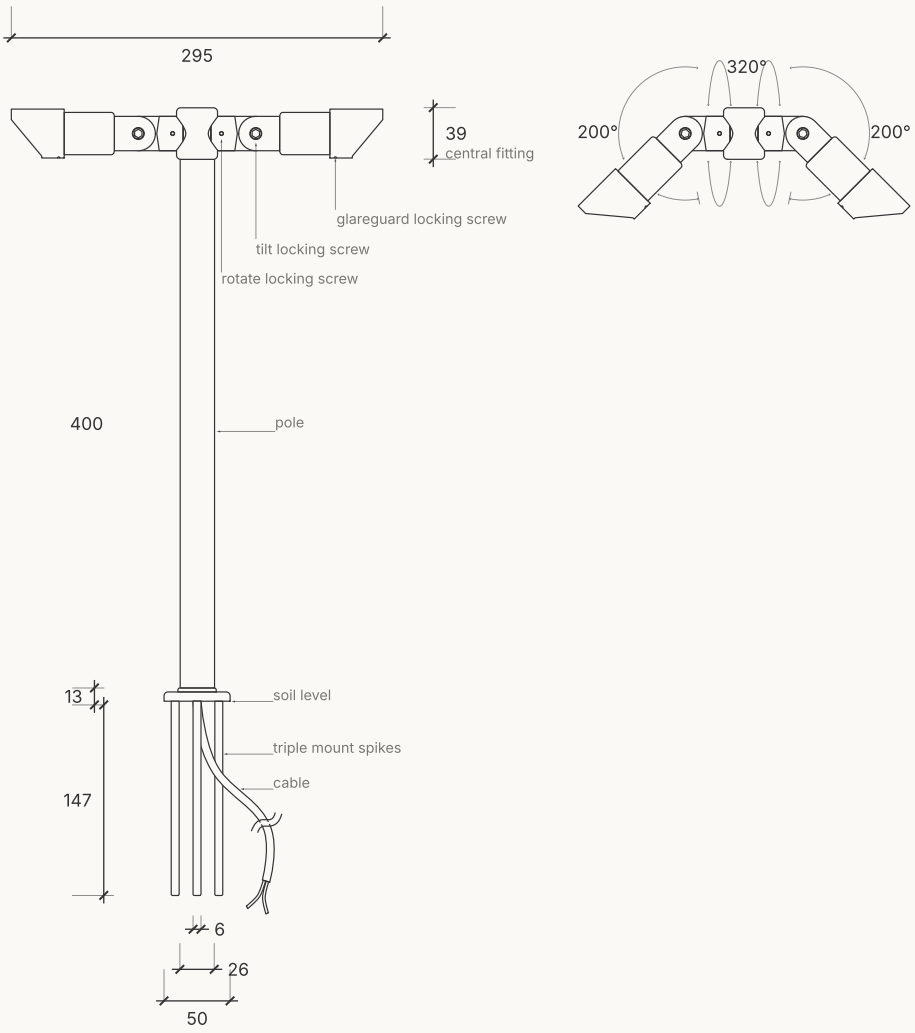
Dimensions, installation, wiring, ordering and warranty detail on the following pages.

GROUND SPOT 90 TWIN POLE 400

Dimensions and installation

PRODUCT CODE
LV-GS90P400T

DIMENSION DRAWING



All dimensions in millimetres.

INSTALLATION

SUPPLIED WITH	Two light heads, Double 90° Head accessory, Pole 400, Triple Spike Small and 1 metre of cable
MOUNTING	Secure the 400 mm pole and supplied spike in suitable ground. Aim each head towards its subject and check glare after dark.
ALTERNATIVES	Triple Spike Large or ABS Direct-Burial Mount

CABLE SEALING

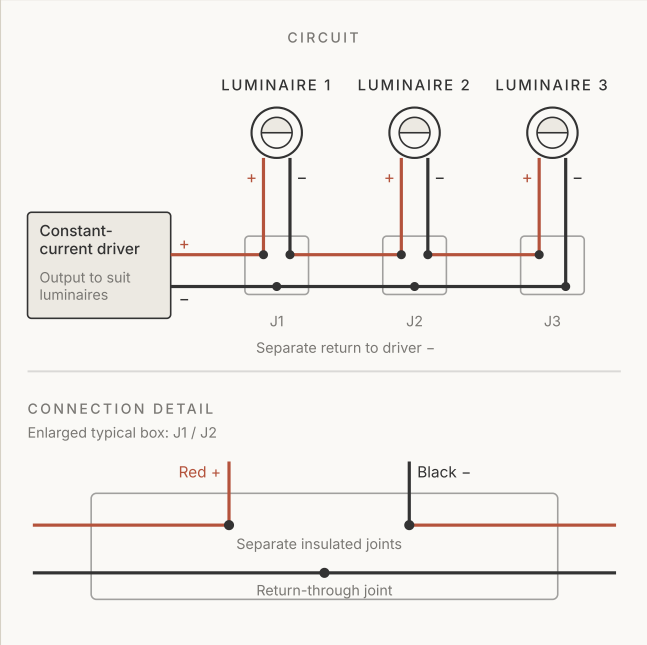
ANTI-WICKING	Integral anti-wicking barrier. A physical barrier within the resin-sealed cable assembly helps reduce moisture migration along the cable into the luminaire if an external connection allows water ingress.

GROUND SPOT 90 TWIN POLE 400

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	3.2 V DC (Cree® XP-L) per head
LED PROTECTION	Built-in open-circuit protection on each LED board
TWIN HEADS	Heads wired in series internally, with a single 2-core cable exiting the pole base. Each head counts separately when sizing the series circuit and driver
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 for the complete fitting

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.

GROUND SPOT 90 TWIN POLE 400

Ordering and warranty

PRODUCT CODE
LV-GS90P400T

ORDERING CODE

BASE CODE	LV-GS90P400T
FORMAT	LV-GS90P400T - beam angle - colour temperature - mount
EXAMPLE	LV-GS90P400T-18D-3000K-TSS 18°, 3000K, Triple Spike Small
HEADS	Both heads are supplied with the same beam angle and colour temperature. Mixed combinations can be considered by special request

OPTION CODES

BEAM ANGLE	10D, 18D, 32D or 60D
COLOUR TEMP.	2700K or 3000K
MOUNTING	TSS Triple Spike Small, three 150 mm M6 threaded spikes TSL Triple Spike Large, larger base and longer 10 mm diameter spikes ABS ABS Direct-Burial 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.