STEP AND RECESSED

Eyelid Step Light

A recessed eyelid light for interior and exterior stairs, steps and low-level guidance.

PRODUCT CODE

LV-ESL



CE UKCA MADE IN BRITAIN

KEY FEATURES

- Black anodised aluminium, solid brass or pre-aged brass.
- 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.
- Eyelid aperture and internal hex cell louvre for glare control. Louvre supplied as standard.
- Supplied complete: Eyelid Step Light in the selected finish, supplied with PVC installation sleeve 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	Solid brass	Pre-aged brass

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
OUTPUT AT 350 MA	Approx. 1.2 W, estimated 80 lm
OUTPUT AT 700 MA	Approx. 2.4 W, estimated 150 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, solid brass or pre-aged brass
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

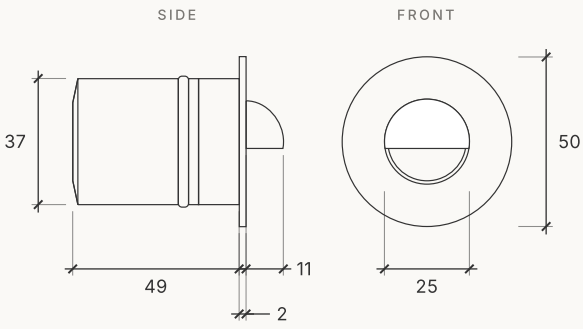
Dimensions, installation, wiring, ordering and warranty detail on the following pages.

EYELID STEP LIGHT

Dimensions and installation

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DIMENSION DRAWING



Side and front views. All dimensions in millimetres.

SIDE VIEW



Shown in black anodised aluminium.

INSTALLATION

SUPPLIED WITH	Eyelid Step Light in the selected finish, supplied with PVC installation sleeve and 1 metre of cable
MOUNTING	Recess into the supplied PVC sleeve in a vertical wall, riser or step face. Select the position, optic and output to illuminate the walking surface while limiting direct glare.
CUT-OUT	Nominal Ø42 mm. Use a sharp 42 mm hole cutter in good condition. Check the sleeve fit and ease the opening slightly if required.
SLEEVE	PVC, open at both ends. Supplied length 200 mm; cut to suit the installation.
CABLE EXIT	Drill cable exit holes where required. Deburr cut edges and holes to prevent cable damage.

CABLE SEALING

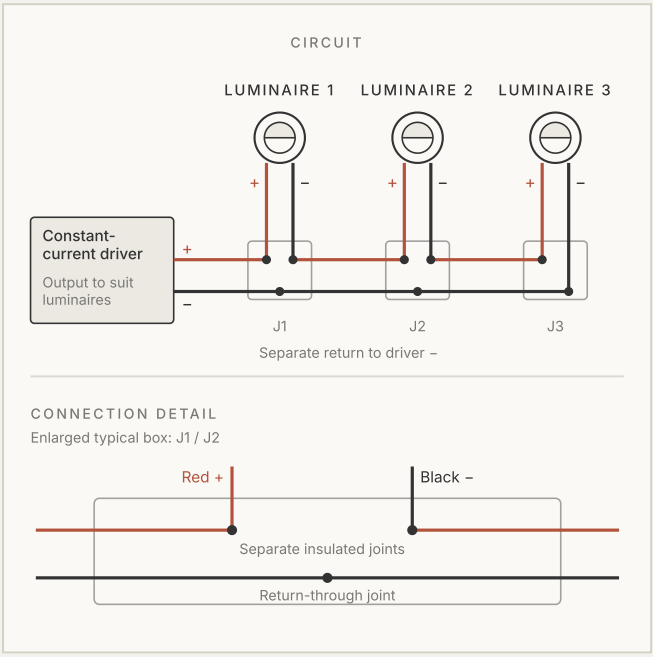
ANTI-WICKING	Integral anti-wicking barrier. A physical barrier within the resin-sealed cable assembly helps reduce moisture migration along the cable into the luminaire if an external connection allows water ingress.

EYELID STEP LIGHT

Wiring and installation

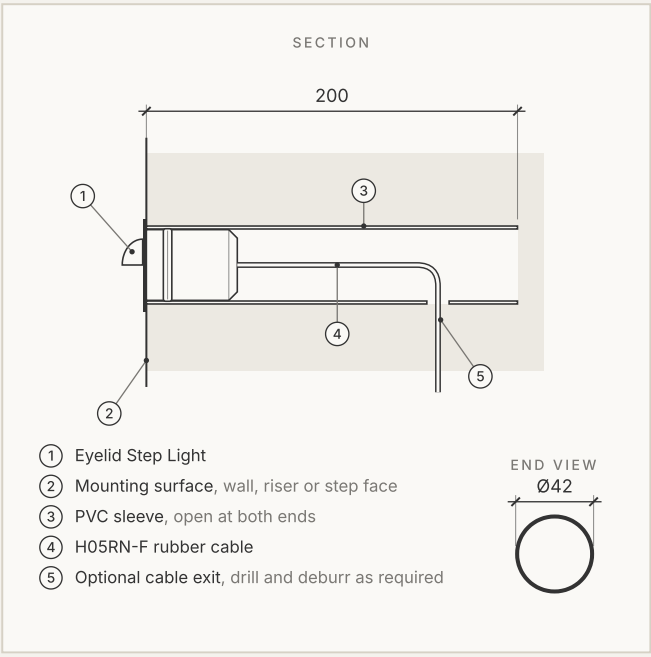
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SERIES WIRING DIAGRAM



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

SLEEVE INSTALLATION



Shown recessed into a wall, riser or step face. Dimensions in millimetres. 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)
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.

EYELID STEP LIGHT

Ordering and warranty

PRODUCT CODE
LV-ESL

ORDERING CODE

BASE CODE	LV-ESL
FORMAT	LV-ESL - beam angle - colour temperature - finish
EXAMPLE	LV-ESL-18D-3000K-BLK 18°, 3000K, black anodised aluminium
PREVIOUS CODE	Formerly LV-602R

OPTION CODES

BEAM ANGLE	10D, 18D, 32D or 60D
COLOUR TEMP.	2700K or 3000K
FINISH	BLK black anodised aluminium SBR solid brass PAB pre-aged brass

WARRANTY

BLACK ANODISED ALUMINIUM FITTINGS	5 years
SOLID BRASS AND PRE-AGED BRASS FITTINGS	10 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

SOLID BRASS	Natural changes in colour and patina through ageing and weather exposure are excluded.
PRE-AGED BRASS	Pre-aged brass has a living patina that develops naturally over time. The ageing process creates subtle variations in tone and texture, so individual fittings will be similar but never identical.
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.