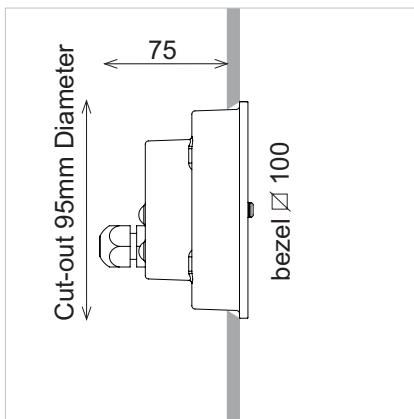


Oslo LED External

Fully recessed floor and step light

JOHN CULLEN
INSPIRE WITH LIGHT



Product codes

R787417 Stainless steel

Accessories

- Y120102 Matt black reflector
- Y100510 Burial sleeve (please see spec sheet)
- Y101110 Plaster-in sleeve
- Y790102 In-line connection IP68
- Y790202 Y-junction box IP68

Drivers

DR48350IP 350mA 1-10v dimmable IP

Product notes

Low glare lighting designed to provide low level lighting to steps and pathways.

Colour Temperature	2700K
Lumens	85Lm
Wattage	1W
Efficacy	85Lm/W
Lifetime (70% Light output ratio)	50,000Hrs
Source type	LED
Input	350mA
Forward voltage	2.8v DC
Wiring	Series
IP rating	IP54
CRI	95

LED Technical information

2 step Macadam Ellipses

Using the latest state of the art LED's, the LED has excellent colour rendition with a colour temperature that replicates tungsten halogen. The LED is binned to 2 step Macadam Ellipse to ensure consistency when specified with multiple products. John Cullen continually research the latest available solution as technology develops.

Installation notes

- Connection** - Find a suitable accessible place for driver. Feed cable to required location.
- Installation** - Cut an accurate 95mm round hole, push fit the fitting into place, level and then fix the four screws into the fixing holes provided. Remove front face. Remove sloping reflector taking care not to damage or mark material. Connect 350mA supply into terminal block ensuring that the correct polarity has been observed (black cable -ve red cable +ve). Please note if wired incorrectly the LED will be damaged. Replace reflector, replace front cover. Push fit Oslo into installation hole. For floor wash, lamp and widest part of front cover at the top of Oslo. For uplight, rotate fitting 180 degrees. Burial sleeve dimensions available on the burial sleeve specification sheet.
- Qualified electrician** - All electrical works to be carried out by a qualified electrician.
- Cable thickness** - Is the responsibility of the installer. Cable thickness must be calculated to avoid voltage drop. Calculations and cable tables can be found within the latest edition of the IEE wiring regulations.
- LED lamps in hot environments** - LED lamps should be positioned away from heat sources such as heaters, under floor heating, saunas etc. LED's will prematurely expire if in sustained contact to heat.
- Burial sleeve** - Burial sleeves are available for setting into concrete and for installation in loose surfaces. Burial sleeves are normally used to reinstate fixings made in unstable materials.
- 0-10v Dimming** - Products can be dimmed on a 0-10v dimming signal when connected to the appropriate control device. When wiring 0-10v cable back to switch control, observe exact polarity for correct installation.
- Drivers** - Driver to be specified subject to installation requirements. Electrician to find discreet, accessible location for remote drivers. Calculating cable lengths and diameter to avoid voltage drop is the responsibility of the installer. For maximum distances please refer to specific driver specification sheet.
- Polarity** - The product must be connected with the correct polarity (black cable -ve, red cable +ve). Incorrect wiring will damage the product, JC will not take responsibility. Please see wiring schematics for further information.
- LED colour shift** - Please be aware that all LED's will appear to have a slight colour shift when located in close proximity to each other and when placed in stark white installations.

PLEASE NOTE:-These notes are for guidance only. John Cullen accepts no responsibility for any installation using the above notes and the final decision on installation remains with the installer.



Designed in-house and manufactured in the UK. Exclusive to John Cullen.

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