



## Product codes

E827401	White
E827406	Bronze
E827407	Bright chrome
E827416	Stainless steel
E827428	Primed

## Drivers

DR45300	45vDC 300mA 0-10v dimmable
DRMV48350	48vDC 350mA Mains dimmable

## Accessories

Y101010	Burial sleeve
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## Product notes

Designed to provide low glare lighting to stair treads and corridors or can be used upside down at high level as an uplight. Magnetic face plate for easy lamp change. This fitting is not glass-fronted.

Colour Temperature	2700K
Lumens	85Lm
Wattage	1W
Efficacy	85Lm/W
Lifetime (70% Light output ratio)	50,000Hrs
Source type	LED
Input	350mA
Forward Voltage	3v DC
Wiring	Series
IP rating	IP20
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 Ellipses 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 40mm square hole, push fit the fitting into place. Connect 350mA supply into the feed cable ensuring that the correct polarity has been observed (black cable -ve red cable +ve). Please note if wired incorrectly the LED will be damaged. For floor wash, lamp and widest part of front cover at the top of Cazalla. For uplight, rotate fitting 180 degrees.
- 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.
- Positioning** - Positioning is subject to interior and installation requirements. Placement guides are available for a limited number of products. Guides can also be discussed with the design department.
- 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.

