



Product codes

R905917 Stainless steel 316s

Lamp codes for LED

Suitable for internal use only

T641000 10° 2700K 700mA 410Lm

T652600 26° 2700K 700mA 740Lm

T653600 36° 2700K 7000mA 740Lm

Drivers for LED

DR48700 48vDC 700mA 0-10v dimmable

DR48700IP 48vDC 700mA 0-10v dimmable IP rated

DRMV24700 24vDC 700mA Mains dimmable

Lamp codes for Tungsten Halogen

W41900SP 8° 20w

FRB/CG 12° 35w

FRA/CG 27° 35w

FMW/CG 40° 35w

FRB/IRC 12° 35w equivalent to 50w

FRA/CG 27° 35w equivalent to 50w

FMW/CG 40° 35w equivalent to 50w

Transformers for Halogen

TE06012DT or grouped remote to be specified.

Accessory codes

Y101202 Burial sleeve

Y130502 Glare guard



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

Product notes

Suitable for lighting flat areas, decks, paved areas and edge lighting of paths.

Source Type	Halogen	LED 10°	LED 26° and 36°
Colour Temperature	2700K	2700K	2700K
CRI	100	90	90
Lumens	N/A	410Lm	740Lm
Wattage	35w	8.5w	8.5w
Forward Voltage (required)	N/A	12vDC	12vDC
Supply rating (maximum)	12v	700mA	700mA
Efficacy	N/A	48.2Lm/w	87Lm/w
Wiring	N/A	Series	Series
IP rating	IP67	IP67	IP67
Lifetime (70% LOR)	2000Hrs	39000Hrs	39000Hrs
Dimmable	Mains dimmable	1-10v	1-10v

LED Technical information

The new John Cullen LED is a viable alternative to tungsten halogen. John Cullen continually research the latest available solution as technology develops. Each lamp is tested and quality assured before despatch.

Transformer / driver information

Please note not all transformers are compatible when a circuit is dimmed with rotary dimmers or scene setters. The John Cullen range of transformers is tried and tested with our dimmers.

Installation notes

- Connection** - Find a suitable accessible place for transformers or drivers. Feed cable to required location.
- Installation** - Cut an accurate 58mm round hole, push fit the fitting into place. Connect the mains supply into the transformer or driver as required. Connect secondary supply from transformer/driver to product. Push the power supply through the cutout and away from the fitting. Once wired place fitting into cut-out. When using LED engine remove lampholder and replace with LED engine.
- 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.
- Transformers** - Transformer to be specified subject to installation requirements. Electrician to find discreet, accessible location for remote transformers. Calculating cable lengths and diameter to avoid voltage drop is the responsibility of the installer. For maximum distances please refer to specific transformer specification sheet. When using an individual transformer, it must be moved 300mm away from the fitting.
- 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.
- Driver capacity** - The maximum number of Torino LED fittings that can be connected to a single driver is one unit.
- 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.
- Lamps** - With a John Cullen Design the lamp beam angles and lens specification are provided on the drawings and should be installed as shown.
- Temperature** - The low voltage light fitting becomes hot to the touch in operation and should not come into contact with fabrics, furniture or soft furnishings. Fittings used at low level become hot to the touch and consideration must be given to a child touching them or objects left on them when off, and not removed before switching back on.

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.