



Product notes

Surface mounted spotlight ideal for use on beams and concrete ceilings where recessed fittings are unsuitable. Complete with low glare black baffle.

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	N/A	IP20	IP20
Lifetime (70% LOR)	2000Hrs	39000Hrs	39000Hrs
Dimmable	Mains dimmable	1-10v	1-10v

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.

Lamp options

- 12v 50mm Dichroic GU5,3 20-35w Tungsten Halogen
- 12v 50mm Dichroic GU5,3 20-35w Tungsten Halogen IRC energy saver
- 12v 48mm Halospot GY4 20w Tungsten Halogen
- 12v 50mm LED GU5,3 4-10w non dimmable LED
- 700mA LED 8.5w John Cullen LED Engine

Product codes

- C141001 White RAL 9010
- C141002 Black RAL 9004
- C141006 Bronze
- C141010 Aluminium
- C141019 RAL colour match (min order 8)

Accessories

- SG50 Sandblasted glass to provide an even wash without scallop.
 - HC50 Honeycomb louvre for extra low glare.
 - SL50 Lens for softening the scallop edge.
 - LL50 Spreader lens to elongate the beam width.
 - UV50 Ultra violet lens to limit UV.
- Coloured glass lens available on request.

Lamp codes for LED

- T641000 10° 2700K 700mA 410Lm
- T652600 26° 2700K 700mA 740Lm
- T653600 36° 2700K 700mA 740Lm

Drivers for LED

- DR48700 48vDC 700mA 0-10v dimmable
- 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

Installation notes

- 1 **Connection** - Find a suitable accessible place for transformers. Feed cable to required location.
- 2 **Installation** - Screw metal bracket onto a solid section of the ceiling/wall, allowing wires through for connection. Using in-line crimps, crimp the low voltage leads to the flying leads of the fitting with an appropriate sized crimp. Once the cables are connected tuck inside the base of the fitting. Position base plate onto bracket and locate using two grub screws provided. When using LED remove lampholder and replace with LED engine making the connections with the feed cable within the main housing of the fitting.
- 3 **Re-lamping** - When adding or replacing a lamp rotate the black baffle and remove along with the black slip collar (thin washer with a round bottom). Locate lamp into place. Place slip collar on top of the lamp with the round bottom touching the lamp. Screw in baffle.
- 4 **Qualified electrician** - All electrical works to be carried out by a qualified electrician.
- 5 **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.
- 6 **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.
- 7 **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.
- 8 **Lenses** - Sandblasted lenses lift and diffuse the light, giving a full wash effect. Softening lenses soften the edge of the scallop, maintaining some definition. These are added where appropriate.
- 9 **Lamps** - With a John Cullen Design the lamp beam angles and lens specification are provided on the drawings and should be installed as shown.
- 10 **Temperature** - 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.