



Product notes

Uniform, shadowless light with magical effect when dimmed. Ideal in the upstand of glazed roof lanterns or conservatories for sparkle at night. Suitable for mirror lighting. Cowled version available - please ask for details.

Voltage input	12v
Wattage maximum	20w
Lamp cap	GU4
Source type	Tungsten Halogen
Product type	Class III
Minimum distance from object being lit	0.5m
IP rating	IP20

Lamp options

12v Capsule G4 10-20w max

Transformer 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

- 1 Connection** - Find a suitable accessible place for remote transformers. Feed cable to required location.
- 2 Installation** - Cut an accurate 32mm round hole. Connect the mains supply into the transformer as indicated. Connect 12v supply from transformer to terminal block provided. Once wired place fitting into cutout to complete.
- 3 Qualified electrician** - All electrical works to be carried out by a qualified electrician.
- 4 Insulation** - Fitting requires a minimum recess depth and surrounding materials must be removed by 100mm from the outside edge of the fitting. Insulation must not be laid over the top of the fitting or fire hood.
- 5 Fire box** - Please refer to fire boxing and fire hood installation sheet. Where fire prevention measures are required, we strongly recommend the preferred method that a firebox is constructed using fire protection board or plasterboard. A minimum area should be allowed between joists of at least 600mm long x 300mm wide x 120mm high, so that the transformer can be pushed 300mm away from the fitting. The cut-out should also be offset to one end to facilitate this.
- 6 Fire hood** - Please refer to fire boxing and fire hood installation sheet. Only to be used where fire boxing is not possible. Only compatible and tested with Y200100 fire hood. Requires a minimum recess depth of 150mm. When using a fire hood clear away insulation materials and debris from around the fire hood by 100mm from the edge. Insulation materials to be removed clear above the fire hood. Transformers must be pushed away from the direction of tilt outside of the fire hood by a minimum of 100mm.
- 7 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.
- 8 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, where possible should be moved 300mm away from the fitting.
- 9 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.
- 10 Adjustable recessed downlights** - With thick lath & plaster or double plaster board ceilings the top of the ceiling thickness may need chamfering to achieve maximum tilt.
- 11 Lenses** - These are added where appropriate, see accessories for detail.
- 12 Decorating** - Light fittings should be dropped from the ceiling and bagged to prevent paint splash before decorating/painting takes place. Ideally fittings should not be lamped before site work is completed to maintain full lamp life.
- 13 Lamps** - With a John Cullen Design the lamp beam angles and lens specification are provided on the drawing and should be installed as shown.
- 14 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.
- 15 Ceiling thickness** - Not suitable for ceilings thinner than 5mm in thickness.

Product codes

- A151301** White RAL 9010
A151302 Black RAL 9004
A151305 Bright brass
A151307 Bright chrome
A151308 Satin chrome

Emergency version

- A171306** Bronze
A171310 Aluminium
A171316 Stainless steel
A171328 Primed (for painting)

Transformers

Individual electronic (TE06012DT) grouped remote (TR or MV range) to be specified.

Holesaws

- Y890100** Bi-Metal constant pitch 32mm holesaw
Y891100 Diamond ceramic core 32mm holesaw

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.