

## LD70-C1, LD70D-C1 & LD70-OP-C1

Shallow Recessed LED Shelf Light

Install sheet - Page 1

### SPECIFICATION

LED surfaced mounted luminaires are class III for Safety Extra Low Voltage **DC** supply. The product should only be used with a supplied or LightGraphix approved **350mA, 500mA or 700mA** constant current driver.

**Suitable for mounting on normally flammable surfaces.**

Lamp: **C1 LED Engine.**

This fitting is **IP20** rated.

Lumen Maintenance: L90B5 at 90,000hrs.

LD70, LD70D & LD70OP - C1			
Product & LED Output Code	Power Output	Max Ambient	Energy Class
LD70, LD70-OP & LD70D-C1 - 350	350mA 1.2W	-20° to 25°	E
LD70, LD70-OP & LD70D-C1 - 500	500mA 1.7W		F
LD70, LD70-OP & LD70D-C1 - 700	700mA 2.4W		F

### INSTALLATION

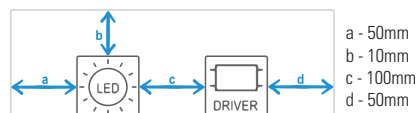
1. Bore clearance holes to suit dimensions below.
2. Wire the luminaire to a specified driver.
3. Squeeze mounting springs into body with finger and thumb.
4. Push the luminaire into the cut-out hole until flush with surface.

### BEZEL / OPTIC REMOVAL

1. Remove product from void and unscrew bezel to open fitting. If replacing just the bezel, jump to step 4.
2. Remove and discard optic. Carefully remove taking care to prevent damage to the LED dome. Remove any leftover gasket from optic.
3. Replace the Optic, taking care to line up the profile to the LED chip. Do not re-use old optic, gasket will not be as effective.
4. Screw bezel back into heatsink and mount LD70 back into void.

### LED & CONTROL GEAR SEPARATION DISTANCES

Warning – Risk of overheating or fire if the clearance distances are compromised. Building insulation must not cover the control gear.



### SEE CONSTANT CURRENT WIRING SHEET FOR IN SERIES WIRING DIAGRAM

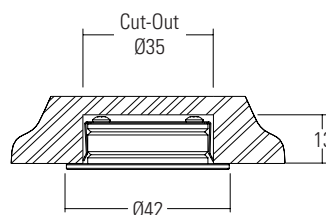
Do not power up until fitting is wired correctly! Constant current LEDs must be wired in series, polarity is critical. Please refer to specified driver sheet for details on the minimum and maximum number of LEDs per circuit. To be used in conjunction with an eldoLED ECOdrive 361/A.

CORE COLOUR & POLARITY		
Colour of Cable	Red	Black
Polarity	+	-

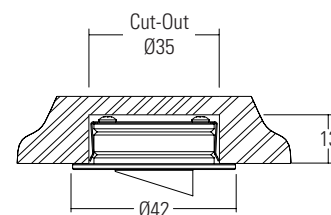
### IMPORTANT

Make sure that all cables and connections are securely connected before switching on the power. Failing to do this can lead to failure of the LEDs and/or the driver. If the LEDs do not work upon power up, turn off the power source immediately and check the polarity of the wiring. Any attempt made to open up and/or modify the luminaire will invalidate the manufacturers warranty. This is inclusive of but not limited to removal of the LightGraphix product label or removal of any parts from the main body of the product including bezels, electrical components and factory fitted fixing methods (unless otherwise stated in these instructions). Luminaire should be wired no further than 30 meters away from a SELV constant current LED driver (based on a 1mm squared cross sectional cable). Forward voltage of luminaire is 18VDC, if wired in series UOUT of LED driver and luminaire circuit should not exceed 60VDC. Terminal block not included. Installation must be performed by a qualified person. For connections made in dry environments 2 x Wago 221-2411 or connections with similar specifications are recommended. The external cable of this luminaire classed as a type Y attachment and can be replaced by the manufacturer.

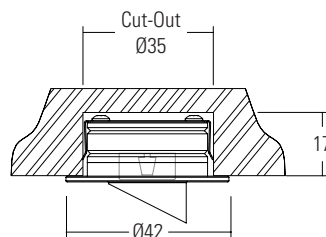
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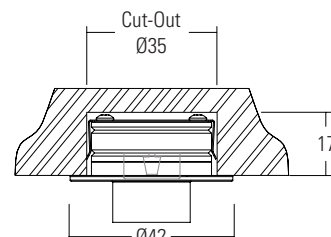
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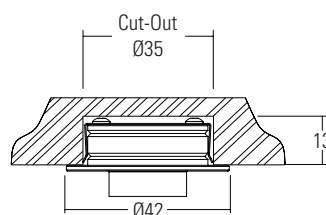
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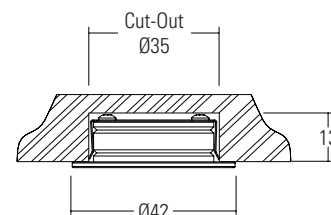
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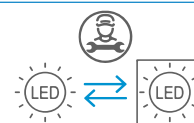


/LD70-OP



### END OF LIFE

This fitting contains a replaceable (LED only) light source, that must be replaced by a professional. If the product has come to the end of its life or is in need of repair please contact LightGraphix or your preferred recycling scheme.



### MAINTENANCE

Clean with soft damp cloth  
LED: Please contact LightGraphix

### CONNECTION

- Wire Connection Method: Clamp
- No. of Positions: 1Way
- Rated Voltage: 450V
- Rated Current: 32A
- Wire Size (stranded): 18 - 14AWG