

SPECIFICATION

Finish	Body	- Black with white bezel
Materials	Body	- Aluminium
	Reflector	- Aluminium
Module	Philips DLM Flex	
Control	External Philips Xitanium driver	
	External Liteplan NED Inverter (Emergency)	
Connection	3 Core mains lead	
Ingress Protection	IP20	
Weight	1.4kg (Standard without IP65 Bezel)	
	2.8kg (Emergency without IP65 Bezel)	
Mains Frequency	50/60 Hz	
Voltage	220 - 240V	

Whitecroft
lighting

CIRCO L20/65



LED DOWNLIGHTER

Installation Instructions

August 2015 - 990.0255.01 Rev B



Whitecroft Lighting Limited

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Registered No. 3848973 England

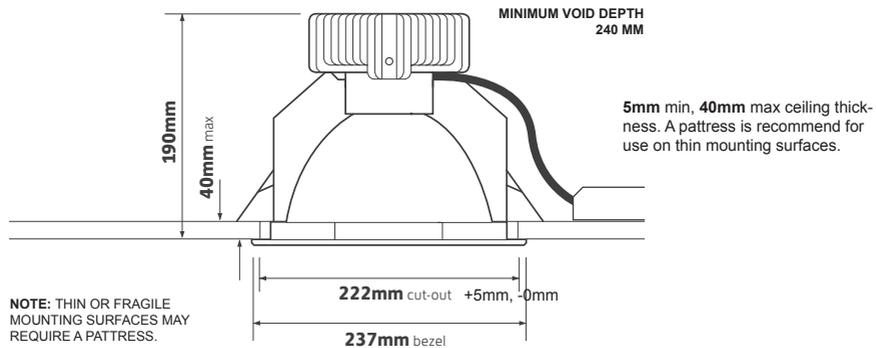
Registered Office: As above

GENERAL INFORMATION

1. A qualified Electrician, in accordance with IEE wiring regulations, should carry out connection to mains wiring.
2. Ensure that the rated luminaire voltage and frequency requirements are compatible with the available mains supply.
3. This luminaire incorporates high frequency electronic control gear, do not carry out high voltage insulation tests, i.e. 500/1000V, as this may damage internal components.
4. Cleaning of reflectors and lenses should be carried out using clean, soft, lint-free cloths and anti-static cleaning fluid. When installing the product use the glove provided to handle the reflector.

PRODUCT DATA

CIRCO L20/65 is a circular LED downlighter with a black aluminium body, finished with a white bezel and a satin etched reflector.



Allow adequate ventilation. Under no circumstances should the luminaire be covered with insulation matting, soundproofing or similar material.

ACCESSORY INFORMATION

The addition of CRLAC65 - Clear polycarbonate disc attachment upgrades the product rating to IP65.

CRLAG - Dropped etched glass attachment
CRLAGH - Dropped etched glass halo attachment
CRLA-KEY - Key for access and fixing (IP65 products)

Some accessories are made from glass and can be easily scratched.

INSTALLATION DETAILS (NON EMERGENCY)

1. Isolate the mains supply to the luminaire before commencing any installation work.
2. Cut a 222mm circular hole at the desired location.
3. If access to the rear of the cut-out is not available, remove the reflector by carefully pushing it away from the LED module (fig 1). Take extra care when removing the reflector to prevent any potential damage.
4. Offer luminaire into cut-out (fig 2).

fig 1

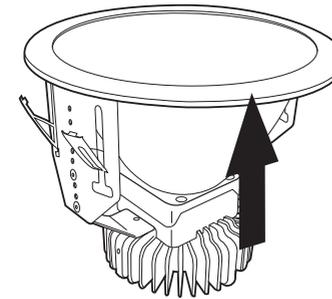
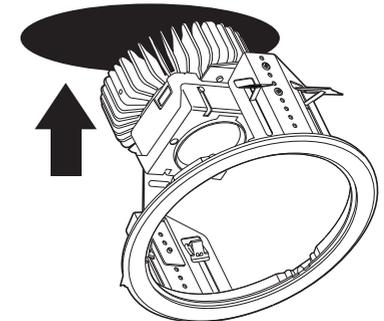


fig 2



5. Lock the luminaire in place by means of the four adjustable fixing springs as illustrated. (fig 3)
6. Locate the reflector onto the LED module and carefully push it FIRMLY into position whilst wearing the supplied glove. (fig 4)
7. Check the reflector is secure.
8. Reinstate mains supply

fig 3

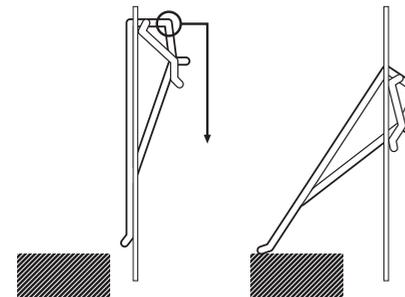
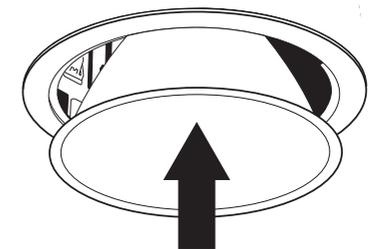
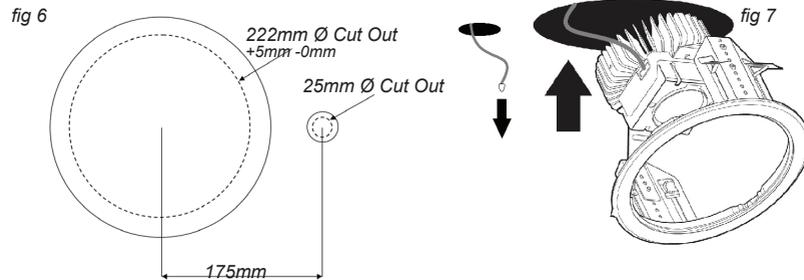


fig 4

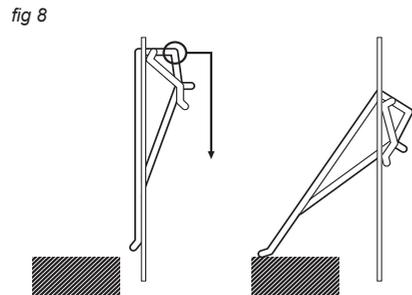


INSTALLATION DETAILS (EMERGENCY & EMPRO ONLY)

1. Isolate the mains supply to the luminaire before commencing any installation work.
2. Disconnect the 4 pole plug and lead from the Emergency assembly and wire into the mains supply
3. Cut a 222mm circular hole at the desired location for the luminaire. Cut a 25mm hole for the LED charge indicator bezel to mount within 175mm of the main luminaire centre (fig 6)
4. If access to the rear of the cut-out is not available, remove the reflector by carefully pushing it away from the LED module. Take care when removing to prevent potential damage to the reflector.
5. Remove the charge indicator LED from its housing.
6. Connect the battery lead to the inverter box (fig 9) and reconnect the mains supply.
7. Push the Emergency Equipment into the ceiling void through the cut-out then offer the luminaire into place and slide the charge indicator LED through the second smaller cut-out (fig 7)



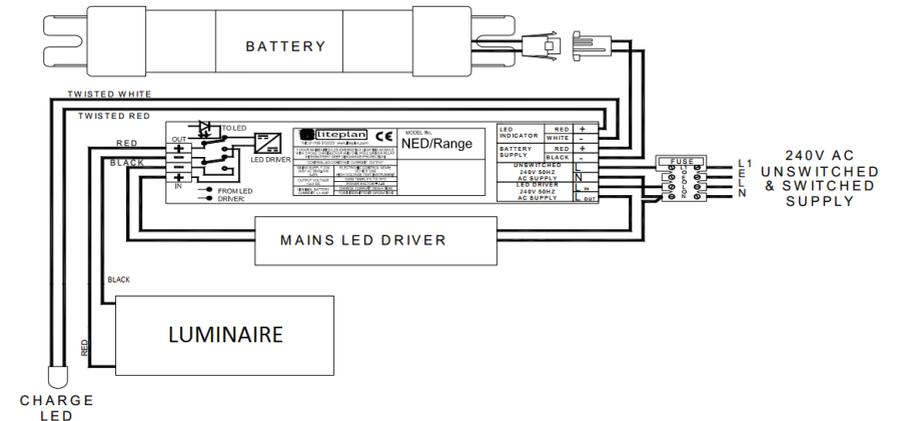
8. Lock the luminaire in place by means of the four adjustable fixing springs as illustrated. (fig 8)
9. Locate the reflector onto the LED module and push it FIRMLY into position whilst wearing the supplied glove.
10. Check the reflector is secure.
11. Replace the charge indicator housing
12. Reinstate mains supply



SPECIFICATION FOR EMERGENCY EQUIPMENT

Supply Voltage	220-240 Volts AC 50/60 Hz
Power Rating	4.7 Watts
Power Factor	0.9
Duration	3 hours
Ambient Temp.	0°C to + 50°C
Max Case Temperature	70°C
Max Battery Temperature	55°C
Terminal Blocks	0.5-1.5mm ² Screw Terminal
Battery Fuse	Internal
Supply Fuse	Not fitted
Battery Pack	3 x 4.5Ah D Cell Ni-Cd
Charge Current	200mA
Recharge Period	24 Hours

WIRING DIAGRAM



TESTING/COMMISSIONING

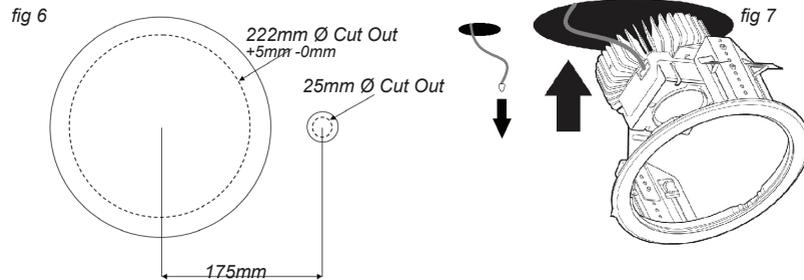
1. Ensure the load is connected
2. Connect the battery
3. Switch on the Unswitched Supply - Check the charge LED illuminates
4. Switch on the Maintained Supply - Check the LED illuminates as normal
5. Switch off the Maintained Supply
6. Switch off the Unswitched Supply - Check the charge LED extinguishes and the load LED illuminates at a reduced output.
7. Enter the commissioning date on the Battery Pack. Switch on the Unswitched Supply.

TECHNICAL SUPPORT

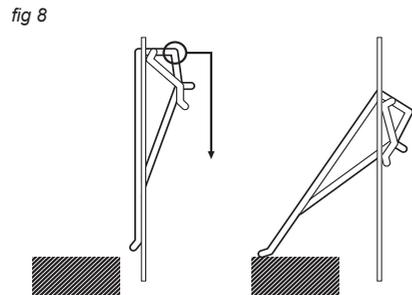
Telephone: 0161 331 5700
 E-mail: technical@whitecroftlight.com
<http://www.whitecroftlighting.com/>

INSTALLATION DETAILS (EMERGENCY & EMPRO ONLY)

1. Isolate the mains supply to the luminaire before commencing any installation work.
2. Disconnect the 4 pole plug and lead from the Emergency assembly and wire into the mains supply
3. Cut a 222mm circular hole at the desired location for the luminaire. Cut a 25mm hole for the LED charge indicator bezel to mount within 175mm of the main luminaire centre (fig 6)
4. If access to the rear of the cut-out is not available, remove the reflector by carefully pushing it away from the LED module. Take care when removing to prevent potential damage to the reflector.
5. Remove the charge indicator LED from its housing.
6. Connect the battery lead to the inverter box (fig 9) and reconnect the mains supply.
7. Push the Emergency Equipment into the ceiling void through the cut-out then offer the luminaire into place and slide the charge indicator LED through the second smaller cut-out (fig 7)



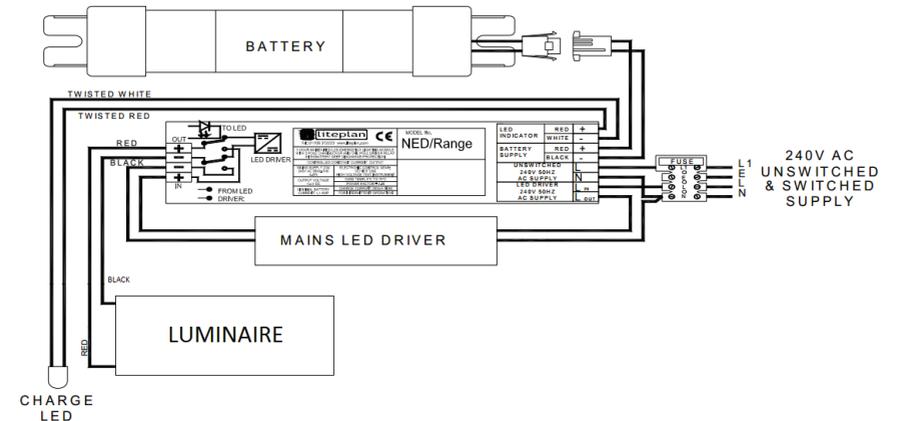
8. Lock the luminaire in place by means of the four adjustable fixing springs as illustrated. (fig 8)
9. Locate the reflector onto the LED module and push it FIRMLY into position whilst wearing the supplied glove.
10. Check the reflector is secure.
11. Replace the charge indicator housing.
12. Reinstate mains supply



SPECIFICATION FOR EMERGENCY EQUIPMENT

Supply Voltage	220-240 Volts AC 50/60 Hz
Power Rating	4.7 Watts
Power Factor	0.9
Duration	3 hours
Ambient Temp.	0°C to + 50°C
Max Case Temperature	70°C
Max Battery Temperature	55°C
Terminal Blocks	0.5-1.5mm ² Screw Terminal
Battery Fuse	Internal
Supply Fuse	Not fitted
Battery Pack	3 x 4.5Ah D Cell Ni-Cd
Charge Current	200mA
Recharge Period	24 Hours

WIRING DIAGRAM



TESTING/COMMISSIONING

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