



PRO LED NCF

Installation Instructions



Please read these instructions carefully before installation
Leave a copy for the user/maintenance engineer for future reference



Important Safety Information

- Before commencing any installation or maintenance work, ensure that the electrical mains supply is isolated and circuit fuses are removed or switched off.
- It is recommended that this fitting is installed, inspected and maintained by a qualified Electrician.
- Installation should be carried out in accordance with the latest edition of the IET Wiring Regulations (BS 7671) and the latest Building Regulations. If in doubt, consult a qualified electrician.
- This product is designed for connection to a 220-240V~50/60Hz mains supply.
- Ensure that all electrical connections are tight with no loose strands including factory made connections.
- This luminaire is suitable for indoor and outdoor use.
- Please note the IP rating of this luminaire when deciding the location for installation. It is the installer's responsibility to ensure that the cable entry point and any grommets are correctly fitted and fully sealed to maintain the IP66 rating.
- The LED Driver is non-dimmable.
- This luminaire is suitable for use in ambient area temperatures of -20°C to +40°C (Standard Luminaire) 0°C to +40°C (Emergency Luminaire).
- The luminaire body and diffuser are made from Polycarbonate material. Always ensure that the product is suitable for the intended installation area.
- MCBs may require to be updated to allow for increased inrush current.
- This product contains sensitive electronic components which can be damaged by power surges or transient overvoltage. The 18th Edition Wiring Regulations stipulate that surge protection devices (SPDs) must be provided within the consumer unit where deemed necessary.
- Do not carry out insulation resistance tests with the luminaire connected to the circuit.
- The LED Light Source and Control Gear contained in this luminaire shall only be replaced by the manufacturer or his service agent or similar qualified professional person.
- This product contains a light source of energy efficiency class C.

Selectable Power Switch Settings

SW1

ON	WATTAGE
4PS	See driver markings for switchable power output range
1 2	

Selectable Colour Temperature Settings

SW2

ON	PIN 1	PIN 2	CCT
CCT3	OFF	ON	3000K
1 2	ON	ON	4000K
	ON	OFF	6500K

Technical Specifications

Part No.	Description	Switchable Power Output	Measurement (L x W x Hmm)	Lumen Output (lm)	IP Rating	CRI Ra	Class Rating	Switchable Colour Temperature
LXNCF2/9-18/P	2ft NCF	9/12/15/18W	670 x 96 x 78	1260/1680/2100/2520Lm	IP66	>80	Class I	3000K-4000K-6500K
LXNCF4/18-36/P	4ft NCF	18/24/30/36W	1270 x 96 x 78	2520/3360/4200/5040Lm	IP66	>80	Class I	3000K-4000K-6500K
LXNCF5/29-58/P	5ft NCF	29/38/48/58W	1570 x 96 x 78	4060/5320/6720/8120Lm	IP66	>80	Class I	3000K-4000K-6500K
LXNCF6/34-68/P	6ft NCF	34/45/56/68W	1870 x 96 x 78	4760/6300/7840/9520Lm	IP66	>80	Class I	3000K-4000K-6500K

PLUG-IN Modular Accessories			Operating Temperature
LXLN/MWS	Microwave Sensor Module with corridor function		-10°C to +40°C
LXLN/EMM	Emergency Module and Battery, 3 hour duration, Manual-Test		0°C to +40°C
LXLN/EMM/ST	Emergency Module and Battery, 3 hour duration, Manual-Test / Self-Test switchable function		0°C to +40°C

Important Installation Information

Select a suitable mounting position and use the correct fixings for the type of surface. Ensure that the site of the installation can support the weight of the luminaire and that there is adequate free air ventilation around the luminaire at all times.

Do not install this product onto damp or newly plastered walls or ceilings. The installation must not infringe on gas/water pipes or any other electrical cables or mechanical services which may be hidden behind the mounting surface.

For surface mounting, ensure that the surface mounting brackets are used. If drilling through the base, use defined fixing points as marked on the base housing. For chain or wire suspension mounting, use the V shaped hook accessory provided in the pack. Attach the V hooks to the surface mount brackets.

ENSURE THAT THE ACCESSORY PACK IS COMPLETELY REMOVED FROM THE LUMINAIRE PRIOR TO OPERATION.

Isolate the mains power supply before commencing installation.

1. Remove the diffuser from the base of the luminaire by releasing the side mounted metal clips. Retaining straps prevent the diffuser from falling during installation and servicing.
2. Hold the luminaire base up to the mounting brackets/surface and fix it in the desired position. Multiple cable entry points are provided on the rear, sides and each end of the base housing. The luminaire is suitable for direct surface mount, end/side conduit fixing or BESA box mounting.
3. Feed the mains supply cable through the selected entry point and fit the cable gland. It is the installers responsibility to ensure that the gland is correctly fitted to maintain the IP66 rating.
4. Terminate the wires into the terminal block ensuring that the correct polarity is observed. All conductors must be fully sleeved and insulated. This is a Class I product which must be earthed.

Standard version connection Connect: N - Neutral Earth - Earth LS - Switched Live 220-240V 50/60Hz Class I	Emergency version connection Connect: N - Neutral Earth - Earth LS - Switched Live LP - Unswitched Live 220-240V 50/60Hz Class I When using this product with an Emergency pack, ensure that the luminaire has a permanent unswitched Live supply LP	Standard (Non-Emergency mode) - The LED Driver Module cover cap ① must be securely fixed into the driver connection socket block ② for correct and safe operation. Emergency Module Connection - Remove the LED Driver Module cover cap ① and Plug-In the emergency module to the driver socket block ② for correct and safe operation.
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5. Select the required power output and LED colour temperature settings by positioning the dip switches as indicated on page 1 **SW1** and **SW2**. The dip switches are located on the LED Driver Module.
6. Move any loose cables and retaining straps away from the edges of the luminaire base so that they cannot be trapped. Realign the diffuser to the base and press back into place. Ensure that the metal clips are locked securely back into their original position and that the diffuser fits inside the two end caps.
7. Restore the mains power supply, switch on and test for satisfactory operation.

 PLUG-IN MODULAR Plug-In Modular Accessories are available for this product. Scan the QR Codes below to view the full product details and installation instructions.		
LXLN/MWS Microwave Sensor 	LXLN/EMM Emergency Module & Battery 	LXLN /EMM/ST Emergency Module & Battery Self-Test Switchable

Emergency Luminaire Connection and Testing

1. The Emergency luminaire requires an unswitched live supply LP in addition to the switched live supply LS.
2. Ensure that the battery cells supply cable is connected to the Emergency module before mains power is restored.
3. Once installed, the batteries must be charged for a minimum of 24 hours before carrying out a full discharge and commissioning test to check that they are charging correctly and that the maintained 3-hour discharge duration is being achieved. The date should be noted on the battery.
4. The Green LED Indicates that the batteries are charging.
5. Emergency luminaires should be routinely inspected and tested in accordance with current **BS 5266** guidelines. Refer to **BS 5266 & BS EN 50172** for full Emergency Lighting requirements and testing procedures.
6. A log report must be completed and kept for the initial commissioning and periodic test procedure. A copy of the Emergency test record sheet can be downloaded by scanning the product QR Code above. Further copies can be requested at sales@luxna.co.uk.
7. A completed copy of the Emergency test record sheet must accompany any product returned to the manufacturer.

Batteries: The battery inside an emergency product is a consumable replaceable item. The battery has a normal operating designed service life of 4 years and must be replaced in a timely manner to ensure that the integrity of the emergency lighting system is maintained. The batteries actual service life can be shortened by several variable factors including (but not limited to): Type of installation environment, Room temperature, Number of charge/discharge cycles, power supply interruptions etc. The product should be tested and maintained regularly according to the details within the instruction manual. Should the battery fail to provide the minimum rated discharge duration of 3 hours at any time during the products service life, it must be replaced.

Emergency luminaires must not be installed in areas where the ambient area temperature is above or below the recommended operating temperature range 0°C to +40°C

See Website for further warranty terms and conditions and details regarding the product warranty registration procedure.

Warranty: The 5 year standard product warranty against any defects in materials or workmanship commences from the original date of purchase. Should this product fail during the warranty period it will be repaired or replaced with the same or equivalent product free of charge, subject to providing the original receipt/invoice or proof of the original date of purchase and return of the faulty unit. In our sole discretion, we are unable to repair or replace a defective product, we will refund the purchase price of the product. The warranty is invalid if in our judgment the product fails due to incorrect installation not conforming to our product instructions or installation within an improper working environment. The warranty will not apply if the product fails due to damage in storage, shipment, accident or misuse. Modification to the product in any way or removal of the batch number will void the warranty. Luxna Lighting does not accept responsibility for any installation, labour or travel costs which may be associated with the replacement or return of any faulty products. Our maximum liability under the terms of this warranty is limited to the purchase price of the product. Your statutory rights are not affected. Luxna Lighting reserves the right to alter product specifications without prior notification. Terms and conditions are also subject to change without prior notice.