

Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS7671 and IEE/IET wiring regulations.

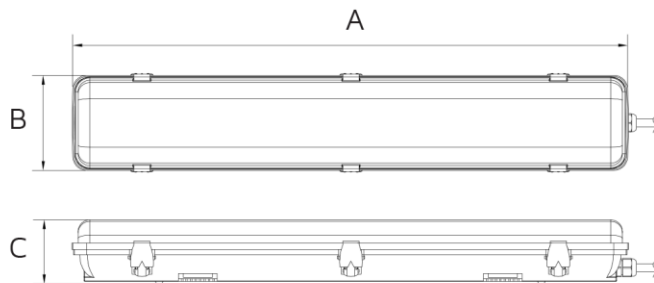
> Before installing a LED NCF Luminaire or doing any maintenance, ensure power supply is turned off at the circuit breaker or fuse box.

> This product is designed for permanent connection to fixed wiring; the circuit should be protected with the appropriate MCB or fuse.

Environment

>Please DO NOT dispose of electrical items or packaging as unsorted waste. Use the recycling facilities provided by your local authorities.

PRODUCT DIMENSIONS



Size	A	B	C
2ft	600	100	85
4ft	1200	100	85
5ft	1500	100	85
6ft	1800	100	85

Important Warranty Information

The LED NCF Luminaire has a 3 year warranty, which can be extended free of charge to 5 years by registering online via the website address below. The registrant must provide the product part number and date of manufacture, which can be found on the label attached to the luminaire housing.



Certificate No. FS 590684



Certificate No. EMS 590685

NET LED Lighting
Buckingway Business Park
300 Anderson Road
Cambridge
CB24 4UQ
sales@netled.co.uk
www.netled.co.uk

Technical Helpline: 01223 851505
Email: support@netled.co.uk

www.netled.co.uk/downloads

Distributed by



LED NCF LUMINAIRE INSTALLATION GUIDE

Part Number	Description
NET-41-11-01	Tri-colour 2ft 14/20W - Standard
NET-41-12-01	Tri-colour 2ft 14/20W - Emergency
NET-41-11-03	Tri-colour 4ft 24/40W - Standard
NET-41-12-03	Tri-colour 4ft 24/40W - Emergency
NET-41-12-04	Tri-colour 4ft 24/40W - Self Test EMG
NET-41-11-20	Tri-colour 4ft 40W - Dimmable
NET-41-12-09	Tri-colour 4ft 40W - Dimmable EMG
NET-41-11-05	Tri-colour 5ft 48/60W - Standard
NET-41-12-05	Tri-colour 5ft 48/60W - Emergency
NET-41-12-06	Tri-colour 5ft 48/60W - Self Test EMG
NET-41-11-12	Tri-colour 5ft 60W - Dimmable
NET-41-12-12	Tri-colour 5ft 60W - Dimmable EMG
NET-41-11-11	Tri-colour 6ft 62/80W - Standard
NET-41-12-11	Tri-colour 6ft 62/80W - Emergency
NET-41-12-13	Tri-colour 6ft 62/80W - Self Test EMG
NET-41-11-21	Tri-colour 6ft 75W - Dimmable
NET-41-12-15	Tri-colour 6ft 75W - Dimmable EMG

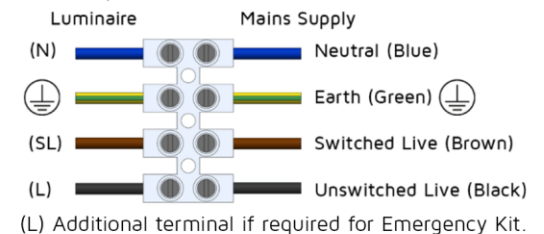
SUPPLY/EARTH CLASS

220-240V AC 50/60 Hz



Class I

Fig.1 Mains Input Termination



Installation procedure: Carefully read the installation instructions and ensure the mains supply is isolated before installation. Please read the safety information overleaf before carrying out any installation. Please retain the leaflet for future reference.

LED NCF Luminaire Installation:

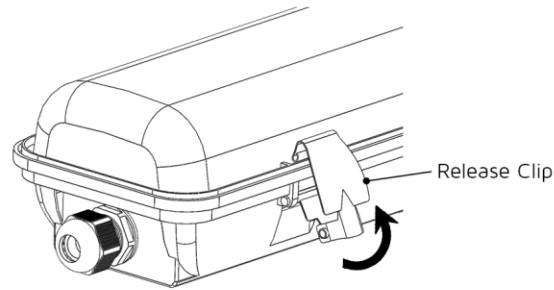


Replaceable light source by end-user

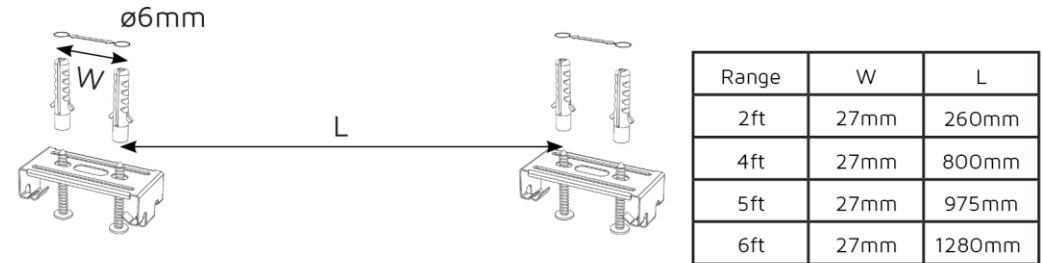


Replaceable control gear by professional

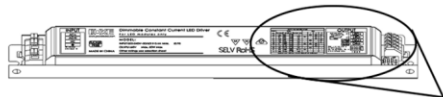
Step 1: Carefully remove the fitting from the packaging. Release the stainless steel clips to remove the diffuser. Access the accessories bag inside the housing.



Step 2: Fix the supplied metal clips on a mounting surface as per the illustration below.



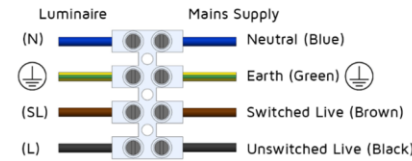
Step 3: Use the driver dip switches to select the required wattage according to the table below.



		Dip Switch			
		1	2	3	4
NET-41-11-01 (2FT)	14W	OFF	ON	ON	ON
	20W	OFF	ON	OFF	ON
NET-41-11-03 (4FT)	24W	ON	OFF	ON	ON
	40W	OFF	OFF	OFF	OFF
NET-41-11-05 (5FT)	48W	ON	OFF	ON	ON
	60W	OFF	ON	OFF	OFF
NET-41-11-11 (6FT)	62W	ON	OFF	ON	ON
	80W	OFF	OFF	OFF	OFF

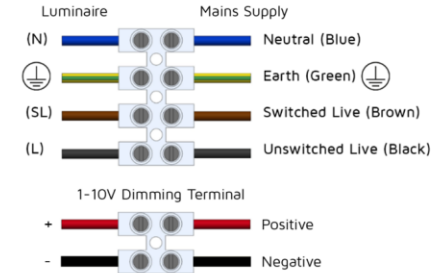
Step 4: Wire the mains supply through the cable gland to the terminal block inside the housing

Standard NCF wiring diagram

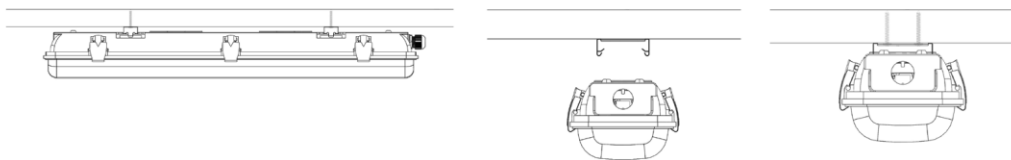


(L) Additional terminal if required for Emergency Kit.

Dimmable NCF wiring diagram



Step 5: Refit the diffuser and lock the stainless steel clips. Align the luminaire with the mounting clips and push it into place. Turn on mains supply to test luminaire is working properly.



View A (metal clip and the luminaire body aligned)

View B (luminaire fixed in place)

Step 6: If you purchased an Emergency variant, ensure that the Emergency Test Record is completed when required.



Part Number:		Installation Date:								
Luminaire Ref/Location		In case of difficulty, contact the Installation Engineers: Tel: _____								
Full Recharge Time 24 Hours		Duration 3 Hours								
		Lamp Type - LED								
ROUTINE TEST RECORD										
	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
One Hour										
Functional										
Functional										
Functional										
Functional										
Three Hour										

Emergency Test Record example.

SELF TEST EMERGENCY INSPECTION GUIDE

About:

Initial Test

Connect LED load, emergency module, battery and LED driver, then connect mains supply, this emergency conversion module will automatically start to do an initial test.

If the components are not functioning correctly, the LED indicator will flash RED. If everything is correct, then it will go into charge mode.

Functional Test

Functional tests are carried out for 10 seconds automatically every 30 calendar days.

Duration Test

Emergency conversion module will automatically make a full duration test every 180 calendar days to check capacity of battery.







Note

If the mains supply is off during the self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.

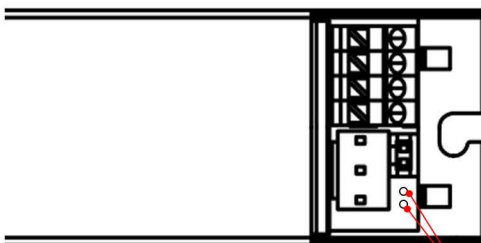
Timer reset functionality

The timer for function and duration test can be set to a particular time of the day by cycling the un-switched line supply 3 times within 1 minute.

LED STATUS INDICATOR

	Colour	LED indication	Status	Comment
	Green	Slow flashing green (3sec on, 1sec off)	Charging mode	
	Green	Permanent green	Fully Charged & Operational	
	Green	Fast flashing green (0.1sec on, 0.1sec off)	Function test underway	
	Green	Slow flashing green (1sec on, 1sec off)	Duration test underway	
	Red	Permanent red	Load failure	Open circuit / Short circuit / LED failure
	Red	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery

Reset instructions:



Reset points

If faulty status is triggered, the LED indicator will flash RED. To reset the emergency kit, touch the two reset points for 5-10seconds with a piece of wire, or a short-circuit needle.