Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS 7671 and IEE/IET wiring regulations.

> Before installing a Trinity LED Linear or doing any maintenence, 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 of 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
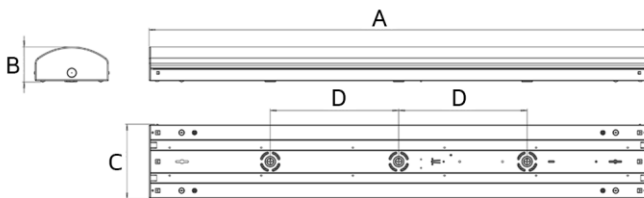
A	B	C	D
1165	79	170	300
1500	79	170	300
1800	79	170	300

All units in mm

Important Warranty Information

The Trinity LED Linear 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.

Member of theLIA

LED Luminaires and Retrofit Bulbs Licensing Program

ENAB**LED**

Member
NET LED Ltd

bsi. ISO 9001 Quality Management
Certificate No. FS 590684

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NET LED® LIGHTING

TRINITY LINEAR INSTALLATION GUIDE

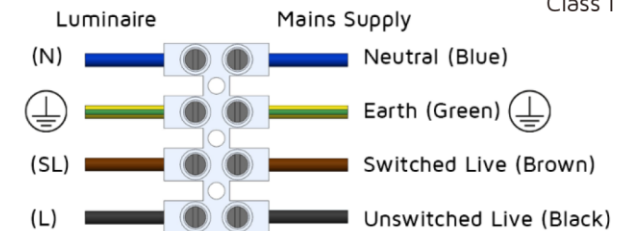| Part Number	Description
NET-41-11-30	4ft Standard 23W/32W
NET-41-11-32	4ft Emergency 23W/32W
NET-41-11-34	4ft Dimmable 32W
NET-41-11-36	4ft Dim Emg 32W
NET-41-11-40	5ft Standard 34W/50W
NET-41-11-42	5ft Emergency 34W/50W
NET-41-11-44	5ft Dimmable 50W
NET-41-11-46	5ft Dim Emg 50W
NET-41-11-50	6ft Standard 41W/60W
NET-41-11-52	6ft Emergency 41W/60W
NET-41-11-54	6ft Dimmable 60W
NET-41-11-56	6ft Dim Emg 60W

SUPPLY/EARTH CLASS

220-240V AC 50/60 Hz
Fig.1 Mains Input Termination

Class I

Luminaire		Mains Supply
(N)		Neutral (Blue)
		Earth (Green)
(SL)		Switched Live (Brown)
(L)		Unswitched Live (Black)

UKCA   CE

Installation procedure: Carefully read the installation instructions and ensure the mains supply is isolated before installation. Please follow the safety information overleaf before carrying out any installation. Please retain this leaflet for future reference.
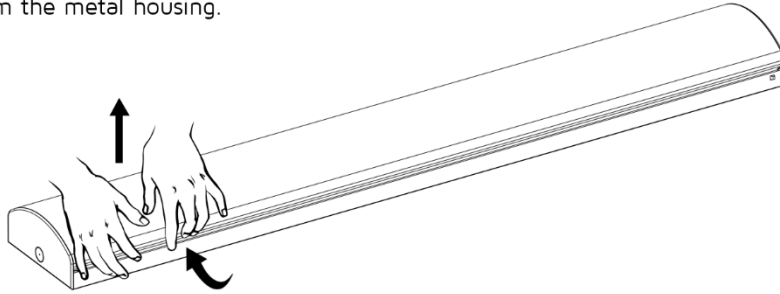
Replaceable (LED only)light source by a professional

Replaceable control gear by professional

Step 1: Carefully remove the Linear from the packaging. Press the diffuser (close to the end cap) to release it from the metal housing.
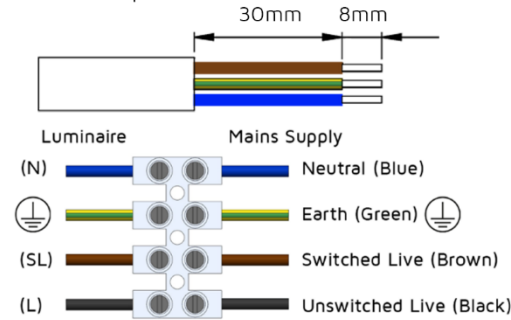

Step 2: Select a cable entry point that best suits the application. For side cable entry, drill out the 20mm cable gland position, then secure the cable with a Cable Gland. For rear cable entry, select one of the three pre-cut cable access holes.
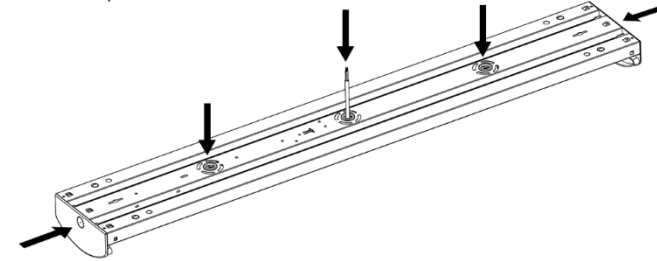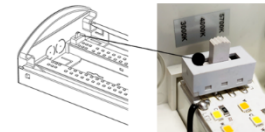

Step 3: Attach the Linear to the ceiling by means of the surface mount holes on the Metal Housing and the included fixing screws. A suspension kit is available if required.

Metal Housing

Rawl Plugs

Fixing Screws

Optional Suspension kit
Part Number: NET-51-11-02
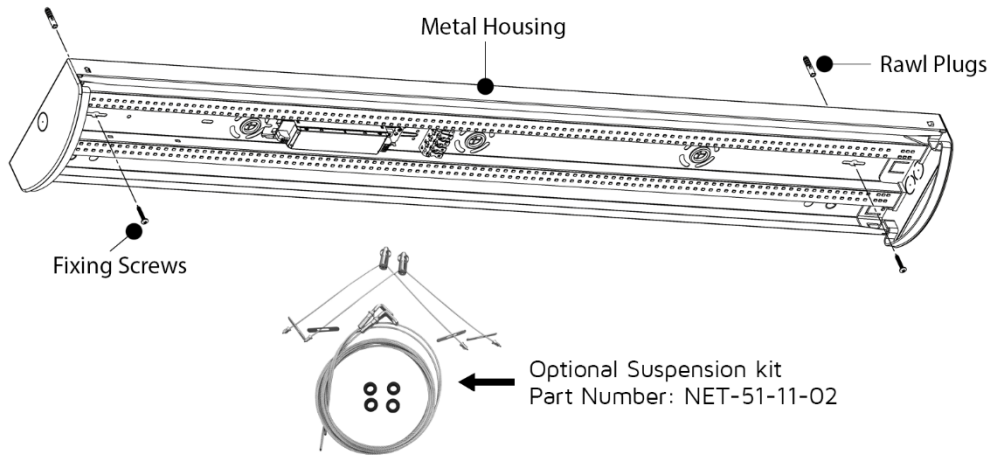
Step 4: Connect the input wires according to the wiring diagram below. Then select the desired LED colour temperature.

30mm   8mm

Luminaire   Mains Supply

(N) — Neutral (Blue)

⊕ — Earth (Green) ⊕

(SL) — Switched Live (Brown)

(L) — Unswitched Live (Black)

Tri-colour temperature switch:

Dual Wattage LED Driver Dip Switch Settings:
4ft Trinity Surface Linear
Driver: LC 38W/400-700mA flex C Ip SNC4

23W/500mA = Switch 1 = On / Switch 2 = Off

32W/700mA = Switch 1 = On / Switch 2 = On

5ft Trinity Surface Linear
Driver: LC 57W/70-1050mA flex C Ip SNC4

34W/700mA = Switch 1 = Off / Switch 2 = Off

50W/1050mA = Switch 1 = On / Switch 2 = On

6ft Trinity Surface Linear
Driver: LC 57W/70-1050mA flex C Ip SNC4

41W/700mA = Switch 1 = Off / Switch 2 = Off

60W/1050mA = Switch 1 = On / Switch 2 = On

Step 5: Refit the Diffuser cover by inserting one long edge into the endcap channels, then insert the opposite edge. The Diffuser needs to be pressed inwards to engage the securing channel.
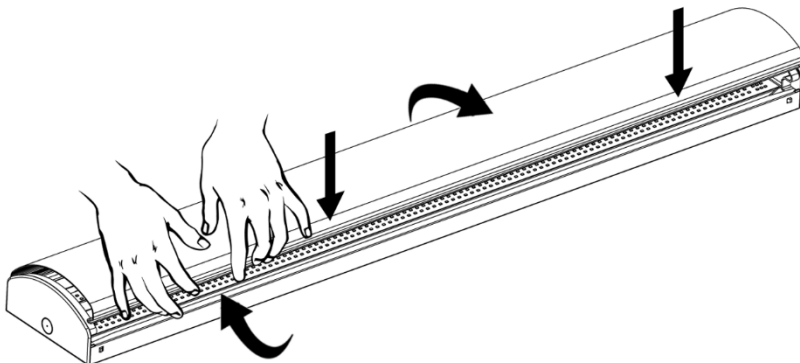
Step 6: Dimmable & Dimmable Emergency wiring.

For Dimmable and Dimmable Emergency, please refer to the above QR Code for wiring instructions.

Ensure that the Emergency Test Record is completed.

Example of Emergency Test Report

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 the Motion Sensor or doing any maintainance, 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
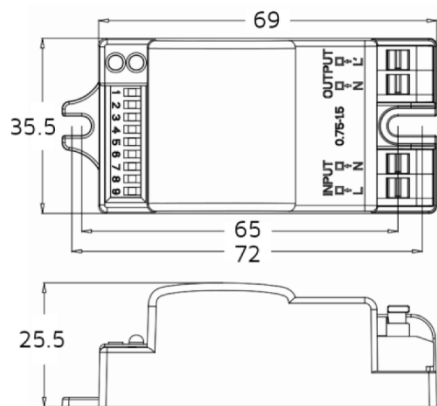
All units are in mm

Important Warranty Information

The Motion Sensor has a 3 year warranty.
To claim, you must provide the product part number and date of manufacture, which can be found on the label attached to the sensor housing along with the original purchase invoice.

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MOTION SENSOR (INTERNAL)
NET-42-43-02

KEY DATA

Input Voltage AC	220-240Vac
Power Frequency	50/60Hz
Maximum Load	400W-inductive or 800W-resistive
Maximum Detection Distance	Max. (D x H): 12m x 6m
IP Rating	IP20
Operating Temp.	-20°C ~ 60°C
Daylight Sensor	2lux / 10lux / 25lux / 50lux / Disable
Detection Area	10% / 25% / 50% / 75% / 100%
Hold Time	5s / 30s / 90s / 3min / 20min / 30min
Manufacturer	Merrytek

UK CA   CE

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

Motion Sensor Installation:

Replaceable control gear by a professional
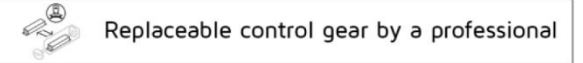
Settings

Detection area, hold time and daylight sensor can be set using DIP switches on the sensor. Note that reducing the detection area will reduce the sensitivity.

1. Detection area

I: up to 6m
II: up to 4m
III: up to 3m
IV: up to 2m
V: up to 1m

ON		1	2	3	
	I	ON	ON	ON	100%
	II	—	ON	ON	75%
	III	ON	—	ON	50%
	IV	—	—	ON	25%
	V	—	—	—	10%

2. Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

I.   5s
II.   30s
III. 90s
IV: 3min
V: 20min
VI: 30min

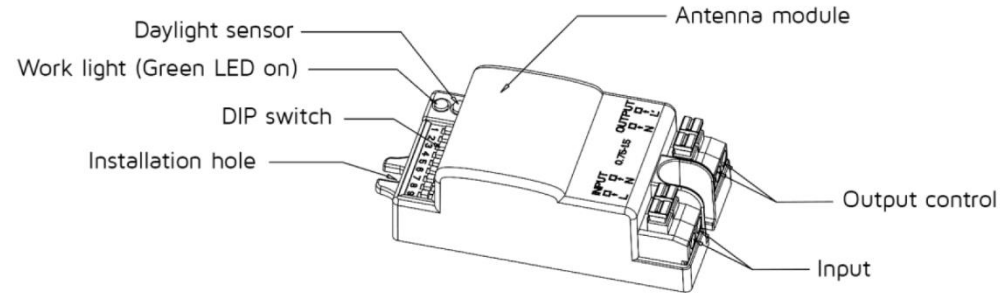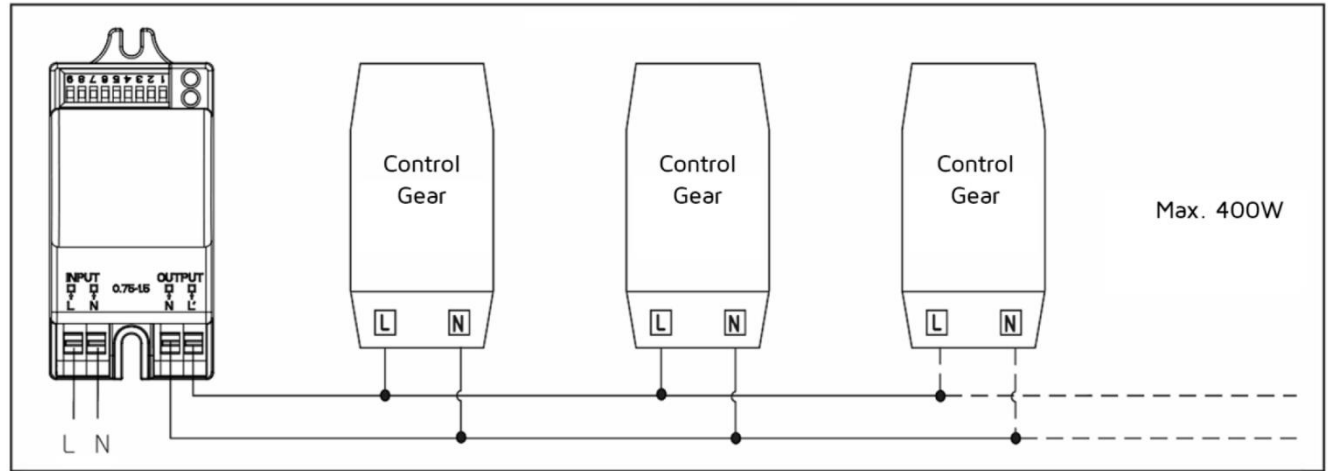| ON		4	5	6	
	I	ON	ON	ON	5s
	II	—	ON	ON	30s
	III	ON	—	ON	90s
	IV	—	—	ON	3min
	V	ON	ON	—	20min
	VI	—	—	—	30min

3. Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. The settings are as follows:

I.   2lux, darkness operation only
II.   10lux, darkness operation only
III. 25lux, twilight operation
IV: 50lux, twilight operation
V: Disable*

ON		7	8	9	
	I	ON	ON	ON	2lux
	II	ON	ON	—	10lux
	III	—	ON	—	25lux
	IV	ON	—	—	50lux
	V	—	—	—	Disable

*When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of the ambient light levels.

Wiring Diagram

Control Gear   Control Gear   Control Gear   Max. 400W

Daylight sensor
Work light (Green LED on)
DIP switch
Installation hole

Antenna module
Output control
Input

FAQ

Question	Cause	Solution
The load will not illuminate.	Incorrect daylight sensor setting selected.	Adjust setting
	Load has failed.	Replace load.
	Power is switched off.	Switch on.
The load is permanently illuminated.	Continuous movement in the detection area.	Check detection area setting.
	The lamp (containing sensor) is installed in an area too close to reflective surfaces, i.e metal, glass or concrete walls.	1, Make sure installation area is suitable with at least 30cm space betwen lamp and surrounding reflective surfaces. 2, Reduce sensitivity (detection area).
The load will not illuminate despite movement.	Speed of moving object is not in the range of 0.5~3m/s or the detection radius is to small.	Check detection area setting.

NET LED® LIGHTING

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

Monthly Test	Year 1		Year 2		Year 3		Year 4		Year 5	
	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
Functional										
One Hour										
Functional										
Functional										
Functional										
Functional										
Functional										
Three Hour										