

Solray Select III LED Batten Luminaire Installation

This Manual only applies to the products listed:

EL2SR3B, EL4SR3B; EL5SR3B, EL5HSR3B, EL6SR3B all versions inc:

“F” Self-test Emergency, “M” Microwave, “D” Dali*

Version 1.5

Introduction:

Thank you for choosing the third generation Solray Select batten fitting LED luminaire T5/T8/T10 or T12 twin tube equivalent. We recommend that you read this manual carefully before installation or usage of your product. Please ensure you completely understand the instructions to ensure normal working of your LED luminaire.

Important Information:

It is recommended that luminaires are installed and fitted by a fully qualified electrician in accordance with the relevant standards, and that the installation complies with current IEE wiring regulations. This luminaire is suitable for indoor use only.

Accessories supplied:

1 x LED Solray fixture, 2 x surface mount screws and rawl plugs, 1x M20 cable gland, 1 x instruction manual.

Spec /Dimensions:

FIG 1:

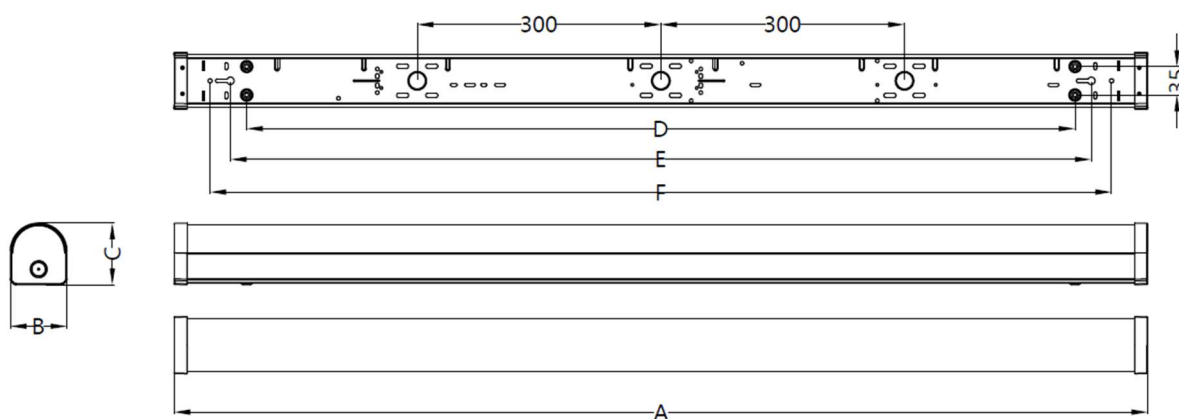


FIG 2:

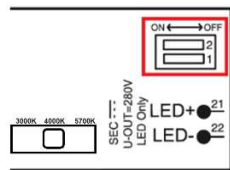
	EL2SR3B	EL4SR3B	EL5SR3B	EL5SHR3B	EL6SR3B
Input Voltage	220 – 240V (50Hz)				
Colour Temp	3000, 4000, or 5700K				
System Power / Lumens	10W 1400LM	20W 3200LM	28W 4500LM	30W 5800LM	64W 9700LM
	12W 1700LM	25W 3900LM	35W 5500LM	38W 7200LM	
	15W 2100LM	30W 4600LM	42W 6500LM	46W 8500LM	
	18W 2400LM	34W 5200LM	48W 7200LM	53W 9400LM	
CRI	>85				
Beam Angle	130°x110°				
IP Rating	IP20				
Rated Life	50,000hrs				
Dimensions	(See above)				
A	700mm	1200mm	1500mm		1800mm
B	70mm				
C	75mm				
D	550mm	1020mm	1330mm		1560mm
E	590mm	1060mm	1370mm		1420mm
F	640mm	1110mm	1420mm		1650mm
Net Weight	0.8kg	1.4kg	1.54kg		1.8kg
EM Power	2W 3HR Duration				
EM Operating Temp	0°C - 40°C				

Note: Add 0.2KG for Emergency Kit and 0.02kg for Microwave sensor, Light sources within the luminaires are energy rated class B & C

Selecting the power output:

Note: The luminaire is always pre-set to the highest output. To change the brightness first, isolate the power. Locate the DIP switches on the power supply and adjust using an insulated tool as follows:

Driver Switch



Output settings:

EL2SR3B(M) Driver Outputs						EL4SR3B(E/M) Driver Outputs						EL5SR3B(E/M) Driver Outputs						EL5HSR3B(E/M) Driver Outputs					
Power	Lumens	mA	Pin 1	Pin 2		Power	Lumens	mA	Pin 1	Pin 2		Power	Lumens	mA	Pin 1	Pin 2		Power	Lumens	mA	Pin 1	Pin 2	
10W	1400LM	200	OFF	OFF		20W	3200LM	200	OFF	OFF		28W	4500LM	200	OFF	OFF		30W	5800LM	200	OFF	OFF	
12W	1700LM	250	ON	OFF		25W	3900LM	250	ON	OFF		35W	5500LM	250	ON	OFF		38W	7200LM	250	ON	OFF	
15W	2100LM	300	OFF	ON		30W	4600LM	300	OFF	ON		42W	6500LM	300	OFF	ON		46W	8500LM	300	OFF	ON	
18W	2400LM	350	ON	ON		34W	5200LM	350	ON	ON		48W	7200LM	350	ON	ON		53W	9400LM	350	ON	ON	

Note device is pre-set to highest output (350mA)

Note device is pre-set to highest output (350mA)

Note device is pre-set to highest output (350mA)

Note device is pre-set to highest output (350mA)

Selecting the Colour Temperature: By default, the colour temperature is 4000K to change adjust the switch on the LED driver.

Plug in Self-Test Emergency versions (Code ELSBPGF"):

Self-test emergency modules are purchased separately under the code ELSBGF and are fitted by the installer easily inside the product by simply unclicking the connectors as per the instructions on the emergency kit.

The emergency products are fitted with 2.5W maintained self-test emergency kit giving a lumen output of 300LM for over 3 hours. The battery fitted is a 1.5Ah LiFePO4 Lithium.

Self-Test Functions: Function Test: Carried out for 10 seconds every 30 calendar days

Duration Test: Will automatically make a full duration test every 180 calendar days to check the capacity of the batteries.

Note: If the mains supply fails during self-test period the module will terminate

LED Indicator:

●	Green	= System Healthy	●	Red	= Battery Charging Fault
●	Green Flash 1 x Second	= Duration Test Pending	●	Red Flash 2 x Second	= Battery Duration Fault
●	Green Flash 2 x Second	= Duration Test Running	●	Red Flash 4 x Second	= Lamp or Luminaire Fault
●	Green Flash 4 x Second	= Functional Test Running			

Full colour version of this installation manual is available at www.novah.co.uk

Microwave (Suffix "M"): See MH10 remote manual for details.

Installation:

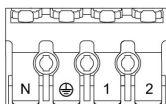
1. Isolate supply voltage before working with electrics.
2. Carefully remove all packaging. Inspect the interior and exterior of the fitting to ensure no defects if there are please notify your retailer.*
3. To open the fitting pull the front and the rear housing apart. Use a large flathead screwdriver between the rear and front of the fitting and turn it 90° then pull the two parts to separate.
4. Disconnect the safety cords and set aside the front luminaire until later.
5. Find a suitable location and using the supplied fitting (or appropriate fixings) attach to the wall or ceiling. (Note the luminaire must not be installed close to a heat source).
6. Feed the incoming power cables into the backplate either by the M20 cable entry at the side or rear and connect to the terminal block as follows:

N = Neutral

⊕ = Earth

1 = Switched

2 = Permanent live (for emergency)



7. Once connected securely attach the front Luminaire securing the safety cables first then connecting the orange power plug together.
8. Connect the front luminaire to the back housing securely. Push the two parts carefully together until they click.
IMPORTANT NOTE: Ensure that the triangle safety look, orange connector and/or any cable(s) do not force down the piano key terminal block when closing.
9. Turn on your power. Note that LED generally have a higher inrush current and may trip your MCB or RCD breaker. In which case a change of breaker type may be required (EG: B type to C type, C type to D type).

* Note for Microwave versions, they are installed but secured loose at the end for transportation purposes. You must use the provided nut to secure the sensor on the thread ensuring the clear part of the sensor is pointed down.

Exclusions to Warranty:

Please visit our website terms and conditions for exclusions to warranty.

Disposal of Electronic Equipment WEEE Directive 2002/96/EC

This product falls within the scope of the Waste Electrical & Electronic Equipment Directive (WEEE), which means the product should not be disposed of as normal household waste. Ensure that this luminaire and lamp is disposed of in accordance with the WEEE Directive. Contact a local Council Waste Depot, Local Amenity Site, or the Environment Agency for further information. RoHS – All components and materials used in this product are RoHS 2002/95/EC compliant. Novah WEEE number: WEE/GA479TY