

Barracuda Select 3CT LED Non-Corrosive Luminaire Installation Guide

This Manual only applies to the products listed:

EL2BNC3*, EL4BNC3, EL5HBNC3 all versions inc:

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

Version 3.2

*not selectable power

Introduction:

Thank you for choosing the Barracuda Select LED Non-Corrosive luminaire. 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 all indoor and external use 'under cover only' applications only. This is a Class 1 fitting and must be earthed.

Accessories supplied:

1 x Barracuda fixture, 2 x surface mount bracket with screws and rawl plugs, 1 x M20 cable gland, Stainless steel clips, 1 x instruction manual.

Spec /Dimensions:

FIG 1:

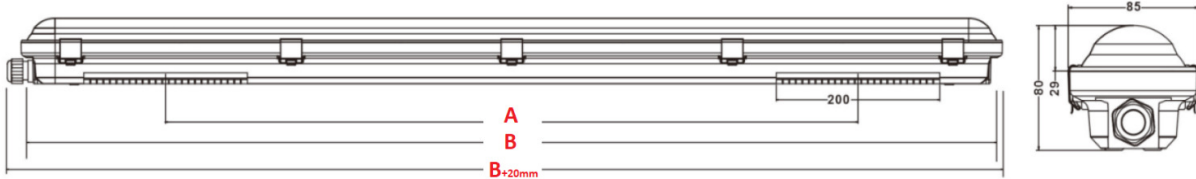


FIG 2:

	EL2BNC3	EL4BNC3	EL5HBNC
Input Voltage	220 – 240V (50Hz/60Hz) (0.9 Power Factor)		
Colour Temperature	4000K / 5000K / 6500K		
Lumens, Wattage and setting on LED driver (see below section)	18W - 2400LM	20W - 3200LM (200)	29W - 4900LM (200)
		25W - 3900LM (250)	37W - 6000LM (250)
		30W - 4500LM (300)	44W - 7000LM (300)
		35W - 5100LM (350)	52W - 8000LM (350)
CRI	>85		
Beam Angle	115°		
IP Rating	IP66		
Impact Rating	IK08 (Polycarbonate front and rear)		
Rated Life	>50,000hrs		
Working Temperature	-20°C to 40°C (<50% humidity, not condensing)		
	Emergency Versions: 0°C to 30°C (<50% humidity, not condensing)		
Body Materials	Polycarbonate		
Dimensions	(See Fig 1 and below)		
A	395mm	845mm	1135mm
B	650mm	1200mm	1500mm
Net Weight	1kg	2.15kg	2.30kg

Note: Add 0.2KG for Emergency Kit and 0.02kg for Microwave sensor

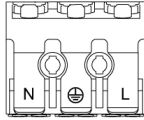
Installation:

1. Isolate supply voltage before working with electrics.
2. Carefully remove all packaging and inspect the interior and exterior of the fitting to ensure there are no defects. If there are please notify your retailer.
3. Located a suitable location for the fitting. If installing outdoors, please do so under cover.
4. Mark out the distance, as indicated in “FIG 1”, for the mounting bracket, and fix these to the wall/ceiling using the supplied or suitable fixings. **(NOTE: DO NOT DRILL THE HOUSING FOR MOUNTING PURPOSES. DOING SO WILL AFFECT THE IP INTEGRITY OF THE PRODUCT AND SUBSEQUENTLY THE WARRANTY).**
5. Identify the cable end entry point and knockout or drill the PC housing with a 20mm drill bit. Fit the supplied CT cable gland securely.
6. Attach the rear PC housing to the ceiling/wall and ensure it is secure.
7. Secure the gear tray to the security hooks.
8. Loosen the CT cable gland and insert the cable through, wire the cable into the terminal block on the gear tray (see FIG 3 below). Secure the M20 cable gland.

FIG 3:

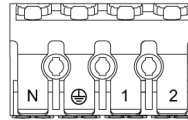
Standard version:

- N = Neutral
- ⊕ = Earth
- 1 = Switched Live



Emergency Version:

- N = Neutral
- ⊕ = Earth
- 1 = Switched Live
- 2 = Permanent live



9. Push the front and back parts together and secure with the supplied stainless-steel clips.
10. 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).

Adjusting the Lumen/Power Output

All Selectable units are pre-set to the highest Lumen output (350) (refer to above specification). If you find this to be too bright first isolate the power. Adjust the DIP switches on the LED driver as follows to adjust the lumen output (see FIG 4)

FIG 4:

B	Pin1	Pin2	Output current [mA]
	OFF	OFF	200
	OFF	ON	250
	ON	OFF	300
	ON	ON	350

Adjust the Colour Temperature

All Selectable units are pre-set to 4000K. If you wish to change the colour output to either 5000K or 6500K first isolate the power. Adjust the colour switch located on the rear of gear tray to either 5000K or 6500K then turn on the power.

Self-Test Emergency versions (Suffix “F”):

The emergency products are fitted with 2W 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:

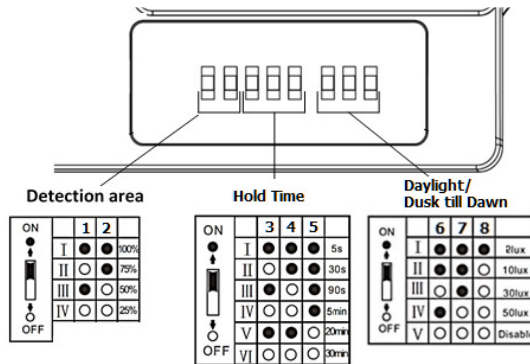
	Colour	Status	Comment
	Slow flashing green (3 se on, 1 sec off)	Charging mode	AC Mode
	Permanent green	Battery fully charged	AC Mode
	Fast flashing green (0.1 sec on, 0.1 sec off)		
	Slow flashing green (1 sec on, 1 sec off)		
	Permanent red	Load failure	Open circuit / Short circuit LED failure (emergency mode)
	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery
	Green and red off	DC mode	Battery operation (emergency mode)

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

Microwave (Suffix “M”):

These products are equipped with an on/off presence sensor. Settings can be adjusted accordingly (see FIG 5)

FIG 5:



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

