

## Novah Barracuda Select Non-Corrosive LED Luminaire Installation

**This Manual only applies to the products listed:**

EL2BNC, EL4BNC, EL5BNC, EL5HBNC (Emergency and Microwave versions)

Standard, Microwave and Emergency versions, V1.0

### Introduction:

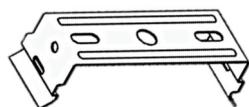
Thank you for choosing our Barracuda Select non-corrosive LED luminaire T8/T5 tube equivalent. We recommend that you read this manual carefully before installation or usage of your product. Please ensure you completely understand the instructions to ensure normal working of your LED luminaire.

### Important Safety Information:

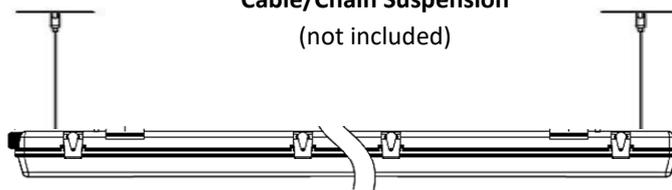
It is recommended that luminaires are installed and fitted by a fully qualified electrician in accordance with the relevant standards, and that the installation complies with current IEE wiring regulations. This luminaire is suitable for all indoor plus external use 'under cover only' applications. This Luminaire is Class I and must be earthed.

### Applications:

**Steel Brackets**  
(wall/ceiling)



**Cable/Chain Suspension**  
(not included)



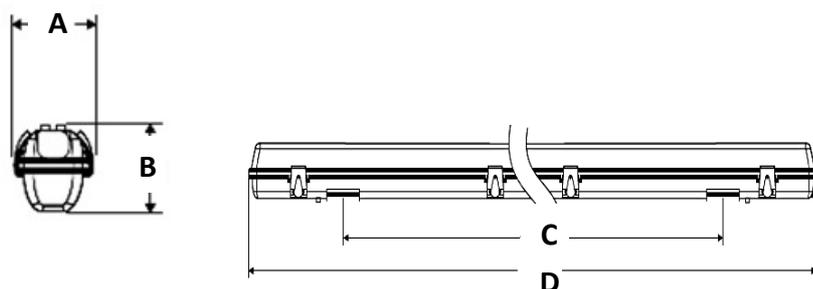
### Installation (wall):

1. Isolate supply voltage before working with any electrics.
2. Mark out the distance, as indicated in "FIG 1", for the wall brackets, and fix these to the wall/ceiling using the supplied or suitable fixings. **(DO NOT DRILL THE HOUSING FOR MOUNTING PURPOSES AS THIS DAMAGES THE IP INTEGRITY OF THE PRODUCT).**
3. Attach the rear PC housing to the ceiling/wall and ensure it is secure
4. Attach the gear tray to the security hooks
5. Loosen the CT cable gland and insert the cable through, wire the cable into the terminal block as per regulations (see Fig. 4)
6. Attach the gear tray into the cross locks and rotate to make sure they are secure
7. Using the stainless-steel clasps, clip them in to secure the diffuser, then secure the anti-tamper screws for security and safety reasons
8. Select the Lumen output via the switches (See Fig 2) (Note this must be down while the power is off.
9. Switch on the mains supply.

### Dimensions:

Product Code	A	B	C	D
EL2BNC	97	85	350	670
EL4BNC	97	85	860	1240
EL5BNC & EL5HBNC	97	85	860	1580

Fig 1:



**Specification:**

	EL2BNC	EL4BNC	EL5BNC	EL5HBNC
<b>Input Voltage</b>	220 – 240V (50Hz)			
<b>Colour Temperature</b>	4000K			
<b>Lumens, Wattage and setting on LED driver</b> (see below section)	2500LM (20W)	2900LM (20W) (200)	4060LM (28W) (200)	5100LM (34W) (200)
		3500LM (25W) (250)	5040LM (36W) (250)	6160LM (44W) (250)
		4050LM (30W) (300)	5880LM (42W) (300)	7420LM (53W) (300)
		4550LM (35W) (350)	6750LM (50W) (350)	8505LM (63W) (350)
<b>CRI</b>	>80			
<b>Beam Angle</b>	160°			
<b>IP Rating</b>	IP66			
<b>Impact Rating</b>	IK08			
<b>Rated Life</b>	>50,000hrs			
<b>Working Environment</b>	-30°C to 40°C (Emergency -5 to 30°C)			
<b>Net Weight</b>	1kg	2.15kg	2.30kg	2.15kg (Note add 0.5kg for Emergency Pack)

**Adjusting the Lumen/Power Output:**

All units are pre-set to the highest Lumen output (300) (refer to above specification). If you find this is too bright **first isolate the power**. Adjust DIP switches on the LED driver as follows to adjust the lumen output (see Fig 2).

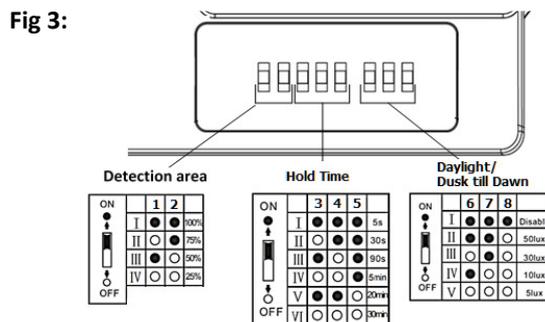
**Fig 2:**

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

Switch on the power and check the output is suitable. If not follow the above procedure again.

**Microwave Version (Suffix 'M'):**

Units are all pre-set to the following: 100% Detection Area, 5 Min Hold Time, Disabled Daylight/Dusk till Dawn. Setting can be adjusted as follows:



**Emergency Version (Suffix 'E'):**

There are 2 options for the emergency version, either Switched Live or Permanent Live (see Fig.4).

**Please note:** There is a non-maintained PCB board that is dedicated to emergency so only that part lights up during emergency operation (300lm). Emergency mode has >3 hours of operation.

**IEE Wiring Regulations:**

This is a Class I fitting There are 2 options for the emergency version, either Switched Live or

**Fig 4:**

