

# PRODUCT SPECIFICATION SHEET

## UFO Nebula RGB Light Source



Rev. C3



### OVERVIEW

The UFO Nebula RGB light source is an advanced fibre optic unit with primary integral DMX control of individual LED multi-ports.

As well as full DMX addressing of each individual port, the Nebula also offers secondary manual dimming and a manual demonstration mode.

This is the ultimate light source for illuminating and controlling active display fibre optic effect lighting with spectacular colour change.

The Nebula features an LCD display which provides operator feedback for ease of use.

The Nebula is fitted with a 60 LED fibre multi-port output with 180 controllable fibre outputs.

Note that each fibre port can illuminate a number of individual 0.5mm or 0.25mm fibres. This makes the Nebula perfect for creating shooting star and other animated lighting displays which require numerous points of light to be effective.

### DMX ADDRESSING & EFFECTS

The Nebula RGB features a 180-address-mode where each individual colour LED can be addressed and also a 3-address-mode where all LED's of a single colour can be addressed together.

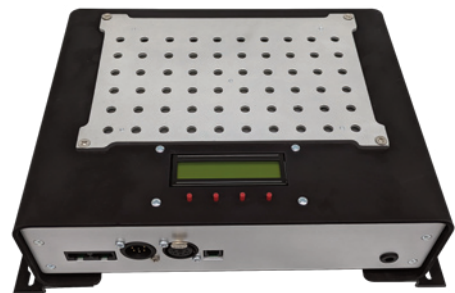
There also 8 pre-defined manually selectable programs built into the light source which provide pre-programmed animation effects.

### TECHNICAL INFORMATION

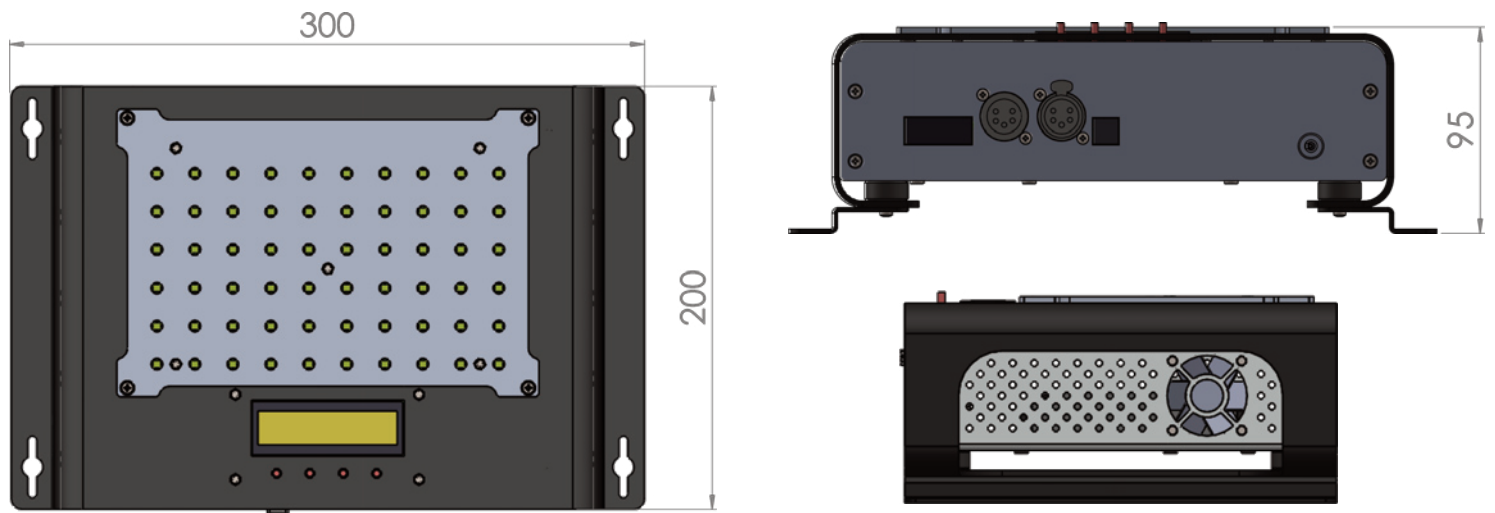
UFO Product Code	UFO-NEB-RGB
Port Connector Size	60 x 4mm connectors
Fibre Type	Glass / PMMA
Suitable PMMA Fibre Sizes* Note that multi-stranded fibre is manufactured from 0.75mm diameter fibre.  (Contact UFO for details of suitable glass fibre)	<b>Solid:</b> 0.75mm, 1mm, 1.5mm, 2mm <b>Multi-stranded:</b> 1.5mm (3 strand), 2.4mm (7 strand), 3.1mm (12 strand)
Number Of Solid Fibres Per Port (Based on 3.1mm active diameter)	0.75mm: 12 / 1mm: 7 / 1.5mm: 2 2mm: 1
Material	Sheet steel / Aluminium
Dimensions (L x W x H)	200mm x 260mm x 88mm
Operating Environment	Indoor only
Ambient Temperature	Min. -10°C to Max. 45°C
PSU Output	12V DC 30W (maximum)
PSU Type	Desktop Class II listed
Mains Input	100-240V AC 50-60Hz
Individual LED Power	Red - 61mW Green - 82mW Blue - 84mW
Individual LED Lumen Output	Red - 5.1lm Green - 11.7lm Blue - 2.7lm
LED Life	50,000 hours (typical)
Dimming & Output Control	DMX plus manual dimming and demo mode
DMX Connection	5 pin XLR sockets

\*Note that UFO recommends the use of Mitsubishi Eska fibre with the Nebula ferrules. We cannot guarantee fibre from other manufacturers will fit due to different tolerances.

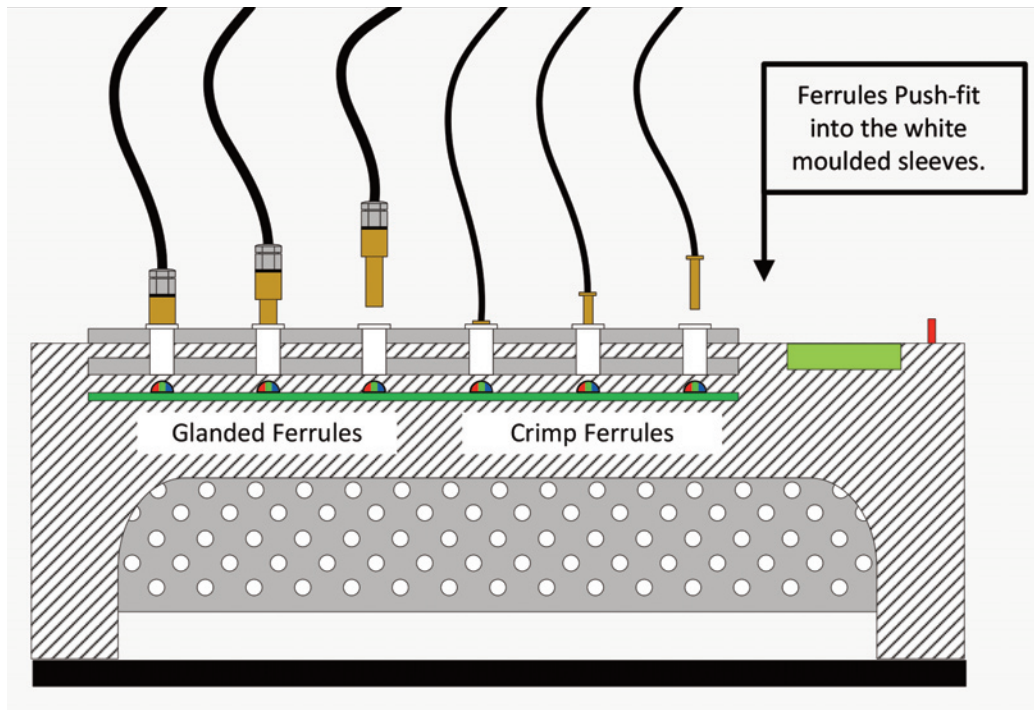
We also recommend that fibre terminations are resined, ground and polished as this will enhance the light output.



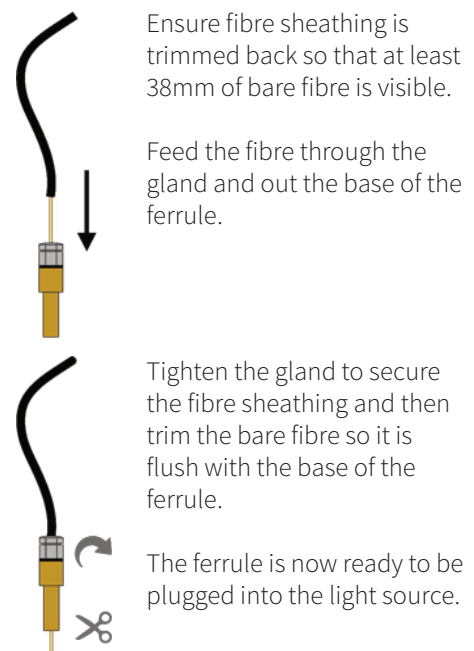
## LIGHT SOURCE DIMENSIONS



## FIBRE INSTALLATION & FERRULE TYPES



### Glanded Ferrule Fibre Fitment



The Nebula is compatible with 2 types of ferrules - crimp and glanded.

Crimp ferrules are supplied factory terminated on the fibre harness and are simply pushed into the white moulded sleeves on the top of the light source.

Glanded ferrules are suitable for termination on site either by UFO installers or by third parties. The fibre is pushed through the gland, the gland is tightened and then the fibre is trimmed flush at the bottom of the ferrule. The ferrules are then pushed fully into the moulded sleeves.

Each ferrule sits directly above an LED which illuminates each fibre individually.

