PRODUCT SPECIFICATION SHEET

UFO Nebula RGB Illuminator

TECHNICAL INFORMATION

UFO Product Code	UFO-NEB-RGB
Port Connector Size	60 x 4mm connectors
Fiber Type	Glass / PMMA
Suitable PMMA Fiber Sizes* Note that multi-stranded fiber is manufactured from 0.75mm diameter fiber. (Contact UFO for details of suitable glass fiber)	**Solid:** 0.75mm, 1mm, 1.5mm, 2mm **Multi-stranded:** 1.5mm (3 strand), 2.4mm (7 strand), 3.1mm (12 strand)
Number Of Solid Fibers 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 fiber with the Nebula ferrules. We cannot guarantee fiber from other manufacturers will fit due to different tolerances.

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

OVERVIEW

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

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

This is the ultimate illuminator for lighting and controlling active display fiber optic effect lighting with spectacular color change.

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

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

Note that each fiber port can illuminate a number of individual 0.5mm or 0.25mm fibers. 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 color LED can be addressed and also a 3-address-mode where all LED's of a single color can be addressed together.
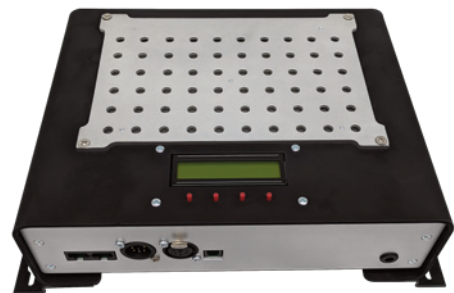
There also 8 pre-defined manually selectable programs built into the illumintor which provide pre-programmed animation effects.
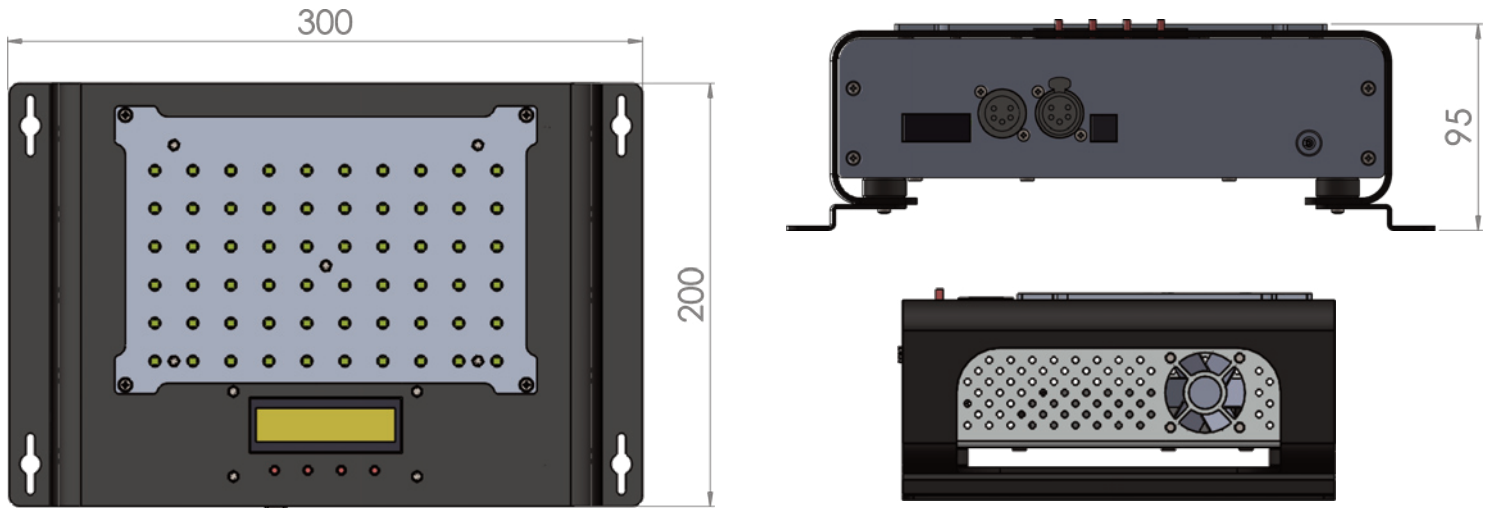
ILLUMINATOR DIMENSIONS

300

200

95

Note that all dimensions are shown in mm.

FIBER INSTALLATION & FERRULE TYPES

Ferrules Push-fit into the white moulded sleeves.

Glanded Ferrules
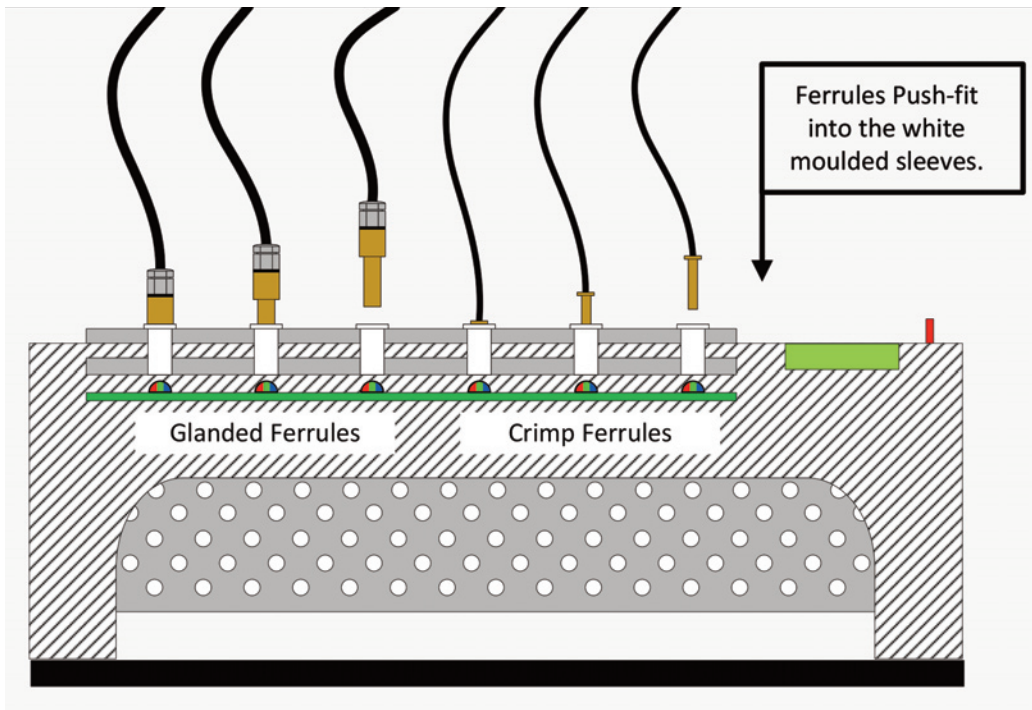
Crimp Ferrules

Glanded Ferrule Fiber Fitment

Ensure fiber sheathing is trimmed back so that at least 38mm of bare fiber is visible.

Feed the fiber through the gland and out the base of the ferrule.

Tighten the gland to secure the fiber sheathing and then trim the bare fiber so it is flush with the base of the ferrule.

The ferrule is now ready to be plugged into the illuminator.
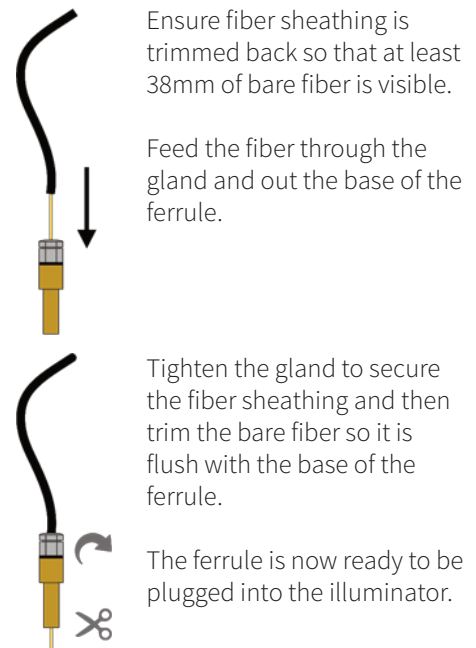
The Nebula is compatible with 2 types of ferrules - crimp and glanded.

Crimp ferrules are supplied factory terminated on the fiber harness and are simply pushed into the white moulded sleeves on the top of the illuminator.

Glanded ferrules are suitable for termination on site either by UFO installers or by third parties. The fiber is pushed through the gland, the gland is tightened and then the fiber 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 fiber individually.