Terra-Fill TF60

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Manual Revision V1.1

Overview

The Terra-Fill TF60 is an 'in-ground' luminaire based on coloured light emitting diodes. The product is housed in a robust die cast housing manufactured from corrosion resistant allow. The casing is coated in chromate and polyester for further corrosion resistance.
The top of the housing is finished in a bevelled stainless steel bezel.

The Terra-Fill TF60 contains an array of red, green, and blue LED's which can be controlled in order to produce a wide array of resultant colours.

Terra-Fill TF60 is a passive device that requires an external controller or power supply.

Connection

The Terra-Fill TF60 is connected using the attached four core cable. The cable is terminated in male spade connectors (fastons). These are compatible with the quick-fit T-Taps supplied in the CP-Install kit. Wiring is as follows:

Cable Colour	Function	Voltage for Max Output
Black 1	Active Low Drive for Red	0 VDC
Black 2	Active Low Drive for Green	0 VDC
Black 3	Active Low Drive for Blue	0 VDC
Green	Positive Voltage Common	24 VDC

Specification

	Terra-Fill TF60
Illumination Lux @ 1m	400
Illumination Ft Candle @ 3ft	40
IP Rating	IP67
Power	9W
Voltage	24V
Current	0.35A
Diameter	150mm
Depth (inc. cable exit)	200mm
Weight	1.72Kg
Control Connector	Faston
Control	24V *
LED's	RGB
Operating Temperature Range	-20 to +40 Celsius
Operating Humidity Range	0 to 90% non condensing
Number of Units powered by Power-Pipe.	25
Number of Units powered by LVD-12	25

Power and Control Options

The Terra-Fill TF60 can be controlled in the following modes:

1. Static PSU: A 24V PSU is used to drive any combination of the three primary colours. This provides seven possible output colours.
2. Power-Pipe: The Power-Pipe product provides:
    - DMX512 control of all 16 million possible colours.
    - Stand-alone operation with numerous pre-programmed colour fades and effects.
    - The Power-Pipe can be used to power and control multiple Terra-Fill TF60s, however all Terra-Fill TF60s will produce the same output at any given time.
3. LVD-12 / LVD-24: The LVD (Low Voltage Dimmer) product provides:
    - DMX512 control of all 16 million possible colours.
    - Stand-alone operation with numerous pre-programmed colour fades and effects.
    - The Low Voltage Dimmer can be used to power and control multiple Terra-Fill TF60s with 12 individual channels of control.

Mounting

The Terra-Fill TF60 requires a circular mounting hole of diameter 120 mm.

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