IP-SF-3™   Waterproof LED Light Module
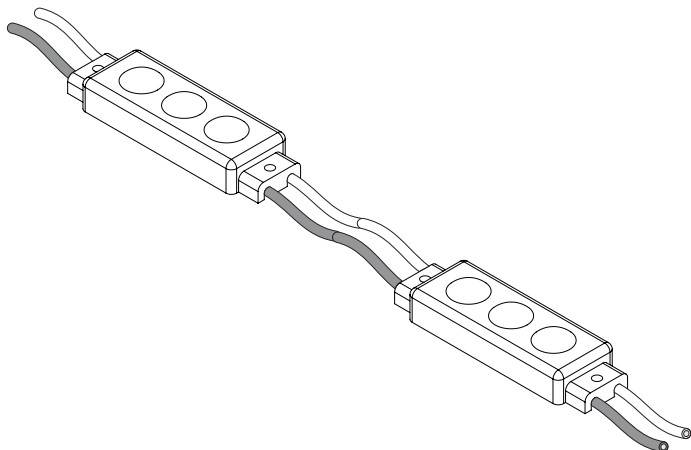
GVA LIGHTING

Product Specification Sheet

Date: _____

Type: _____

Company: _____

Project: _____

IP-SF-3™ is a low voltage, low wattage LED light module offering an energy efficient, reliable and low cost lighting solution for both indoor and outdoor installations. Typical applications include cove and under-cabinet lighting, backlighting and channel letter signs, delineation and any application where moisture or extreme temperatures may occur.

Each module consists of three LEDs available in 6 color temperatures of white as well as Amber, Red, Green and Blue.

The modules are completely sealed and IP65 rated for wet locations and can operate in ambient temperatures from -40°C to +50°C.

Each module is only 54mm long, 16mm wide, 9.5mm high and connected to adjacent modules with 70mm jumper wires (max. 123.5mm center-to-center). The compact size and flexibility of an IP-SF-3 assembly affords unlimited installation options. Standard assemblies are sold with 100 modules.

The IP-SF-3™ modules can be mounted with the pre-applied Very High Bond (VHB) double sided tape or with screws through the pre-drilled mounting flanges on each end of the module.

Mechanical Drawing
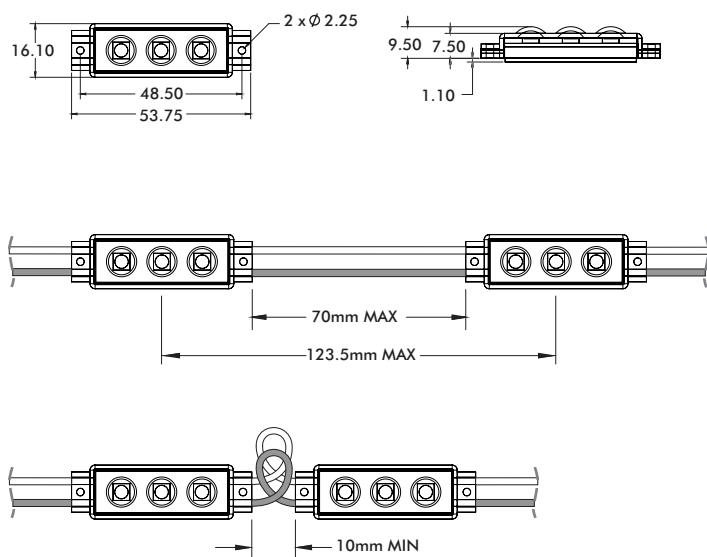
Features

- Three LEDs per module with wide 140° beam angle
- High luminous flux per module, 38lm
- Built-in constant current circuitry maintains equal luminous output module-to-module for full run length
- Projected lifetime 50,000 hours (L50)
- IP65 waterproof protection (sealed by epoxy resin)
- Extreme ambient temperature range: -40°C to +50°C (-40°F to +122°F)
- 100 pre-wired modules with 70mm (2-3/4") long jumper wires eliminate joints, save installation time and provide the ability to build curved illuminated lines
- Safe low voltage operation (12VDC)
- Very low power consumption; Maximum 0.5W per module
- LED available in 6 color temperatures of white as well as Amber, Red, Green and Blue
- Vibration resistant
- Pre-applied VHB double sided tape or built in screw flanges for quick installation
- Low cost

Specification Logic

FAMILY	LED COLOR	
IP-SF-3™	**2700K** **3000K** **3500K** **4000K** **5000K** **6500K** **RD** - Red **GR** - Green **BL** - Blue **AM** - Amber	Product Configuration: **IP-SF-3-3000K**

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IP-SF-3 in Parallel System Installation

Outdoor Connector (by others)
Outdoor Connector (by others)

Recommended 12V AC/DC Class 2 PSU

C

Optional PSU Enclosure (by others)

AC Input Side
Black = Live
White = Neutral
Green = Ground

DC Output Side
White = + Positive
Grey = - Negative

B

A
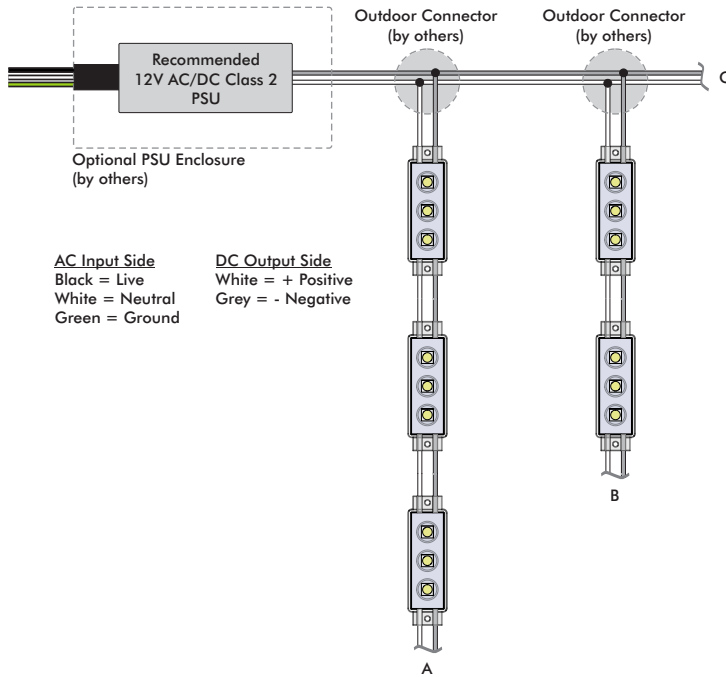
The sum of A+B+C=Maximum of 100 units

IP-SF-3 in Series System Installation

Outdoor Connector (by others)

Recommended 12V AC/DC Class 2 PSU

Optional PSU Enclosure (by others)

AC Input Side
Black = Live
White = Neutral
Green = Ground

DC Output Side
White = + Positive
Grey = - Negative
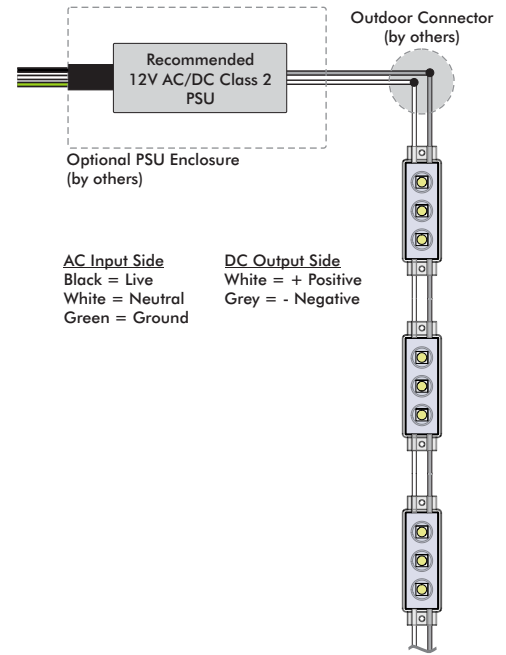
Maximum of 100 units in a series.

Product Specifications			IP-SF-3™
Electrical	Rated Input Voltage		12VDC
	Power Consumption (maximum)		0.5W
	Approved Remote AC/DC Power Supplies		12VDC Class 2 Power Supplies Only
			CLG-60-12
			PLC-60-12
			LP-1040-12
Optical	Light Source		3 x SMT LEDs
	Lumens (typical per module)		38
	Optic		Wide Beam 140°
	Projected Lumen Maintenance		50,000 hours @ 50°C (B50, L70)
Physical	Length x Width x Height	mm	54 x 16 x 9.5
		inches	2.13 x 0.63 x 0.37
	Weight	g	6.5
		oz	0.23
	Housing		Injection Molded ABS Body filled with Epoxy Resin
	Fixture Connections		70mm lead wires and 70mm jumper wires between modules
	Rated Operating Temperature		-30°C to +50°C, -22°F to 122°F
	Environment		Indoor/Outdoor, Dry or Damp or Wet Locations

These figures are subject to change

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