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OrgaLED Connectors

The OrgaLED® System offers a range of 'Plug & Play' products, the OrgaLED® Connector Sets allow a friendly and easy to assemble installation.

Top and Side LED strips use the standard push-fit connector sets for IP40 applications are supplied with a termination end cap. Combine with one of our IP67 solutions for outdoor rating.

Looking for an IP68 solution? OrgaLED PU Connectors are available for OrgaLED fixtures.

Require a fast installation with instant waterproof usage - ask us about the pre-assembled OrgaLED Mirror Welded Connectors.

For the latest version of this datasheet, visit our website:

www.organiclighting.com

Features

- Made in USA/EU
- Available in various lengths
- Available in various IP ratings
- Extensive range of accessories
- Plug & Play system

Connector Types

OrgaLED Top Connectors



OrgaLED Side Connectors



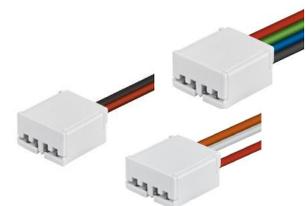
OrgaLED Diffuse Connectors



OrgaLED IP67/68 PU Connectors



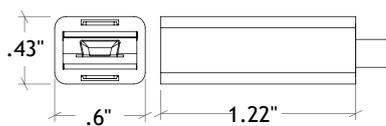
OrgaLED PCB Connectors



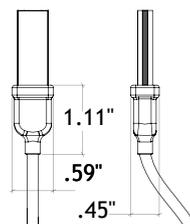
OrgaLED Top Connectors & Extensions

	Top Mono Connector Set	Top TW Connector Set	Top RGB Connector Set	Top Mirror Weld Connector Set	Top End Cap	Top Mono Extension	Top TW Extension	Top RGB Extension
Product code	011201	011191	011205	011290	011503	011208	011192	011210
Dimensions	1.22" x .6" x .43"			1.11" x .59" x .45"	.46" x .25" x .22"	1.22" x .6" x .043"		
Cord length	16'3"					10"		
Degree of protection (IP)	IP40 (IP68 with factory connections/kits or mirror weld)							
Material	White Polycarbonate							
Power cord	White, PVC							
Weight	6.17 oz			6.17 oz	0.04 oz	1.02 oz		
To be used with	OrgaLED Top Strips							

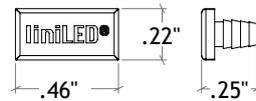
Top Connector Set IP40



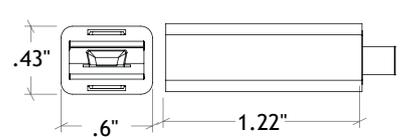
Top Mirror Weld IP68



Top End Cap IP40

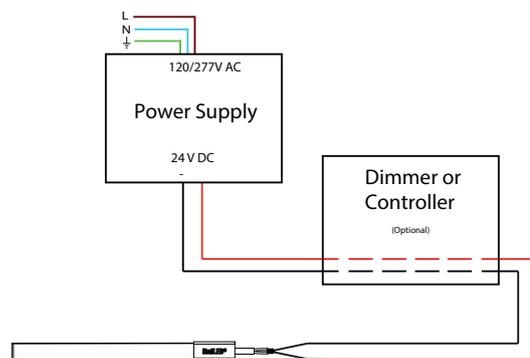


Top Extension Cord IP40

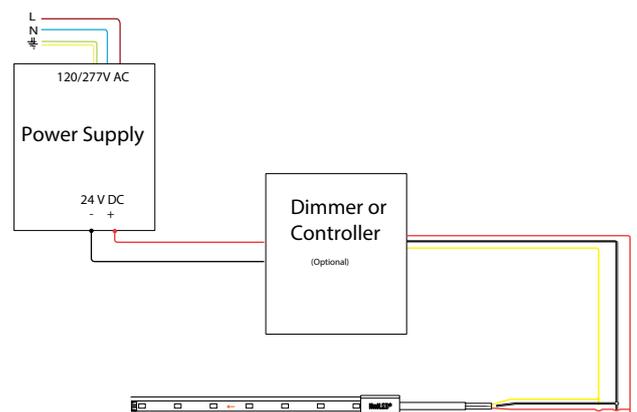


Power Connection

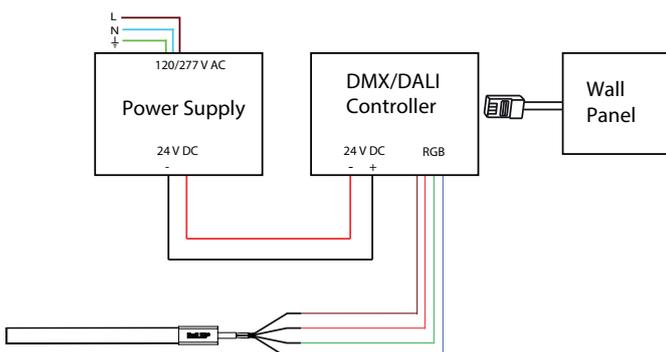
Mono



Tunable White



RGB

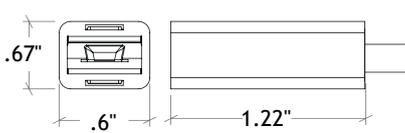


OrgaLED Side Connectors & Extensions

	Side Mono Connector Set	Side TW Connector Set	Side RGB Connector Set	Side Mirror Weld Connector Set	Side End Cap	Side Mono Extension	Side TW Extension	Side RGB Extension
Product code	011203	011194	011207	011291	011504	011209	011195	011211
Dimensions	1.22" x .6" x .67"			1.1" x .67" x .67"		1.22" x .6" x .67"		
Cord length	16'3"					10"		
Degree of protection (IP)	IP40 (IP68 with factory connections/kits or mirror weld)							
Material	White Polycarbonate							
Power cord	White, PVC							
Weight	6.31 oz			6.17 oz		0.6 oz		1.2 oz
To be used with	OrgaLED Side Strips							

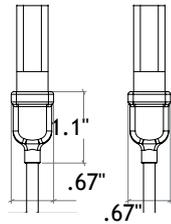
Side Connector Set

IP40



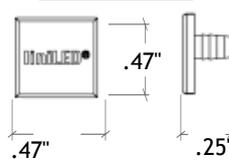
Side Mirror Weld

IP68



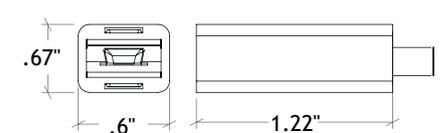
Side End Cap

IP40



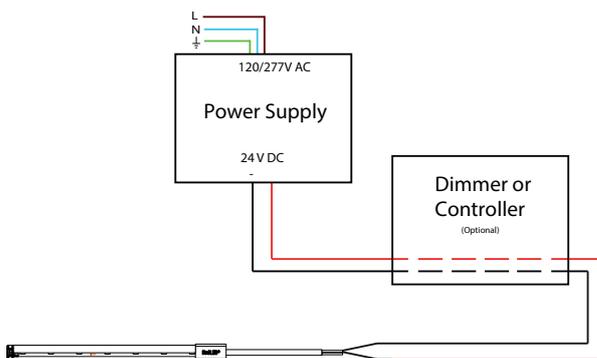
Side Extension Cord

IP40

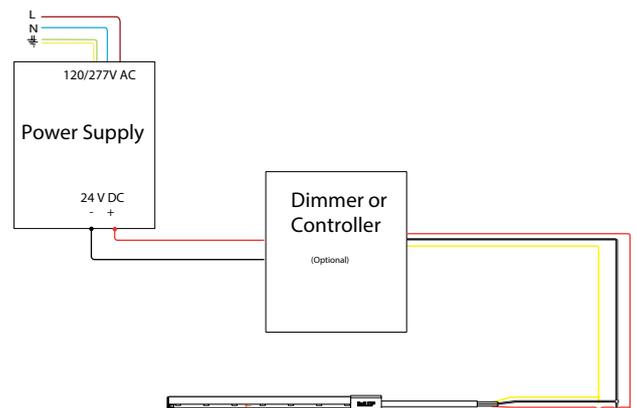


Power Connection

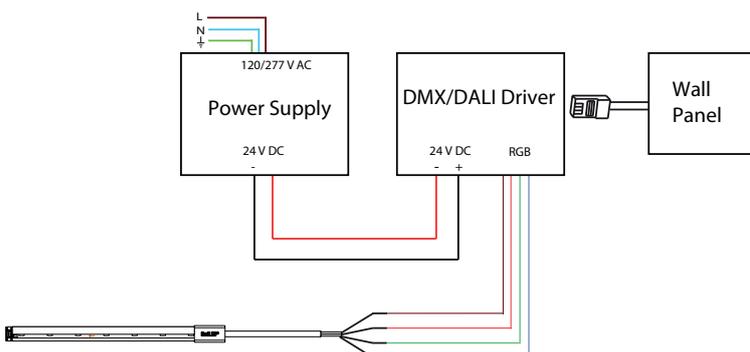
Mono



Tunable White



RGB

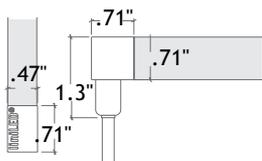


OrgaLED Diffuse Connectors & Extensions (IP68)

	Diffuse 1/2" Angle Connector	Diffuse 1/2" Straight Connector	Diffuse 1/2" Angle Extension	Diffuse 1/2" Straight Extension	Diffuse 3/4" Angle Connector	Diffuse 3/4" Straight Connector	Diffuse 3/4" Angle Extension	Diffuse 3/4" Straight Extension
Product code	011261	011271	011277	011279	011246	011251	011278	011276
Dimensions	.71" x .47" x 1.3"(LWH)				.71" x .47" x 1.3"(LWH)			
Cord length	16'3"		10"		16'3"		10"	
Degree of protection (IP)	IP68 pre-assembled connections							
Material	White Polycarbonate							
Power cord	White, PVC							
To be used with	OrgaLED Top & Side Diffuse 1/2" Strips				OrgaLED Top Diffuse 3/4" Strips			

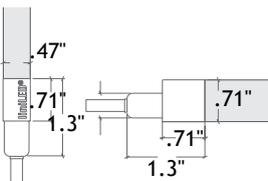
Diffuse 1/2" Angle Connector

IP68



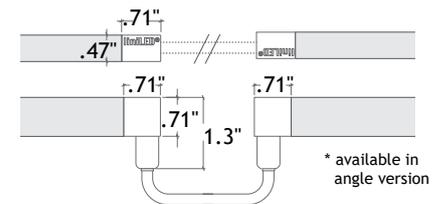
Diffuse 1/2" Straight Connector

IP68



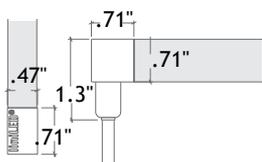
Diffuse 1/2" Straight Connector Extension Cord

IP40



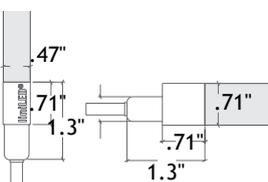
Diffuse 3/4" Angle Connector

IP68



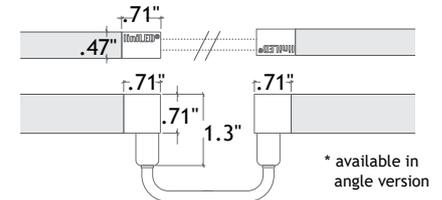
Diffuse 3/4" Straight Connector

IP68



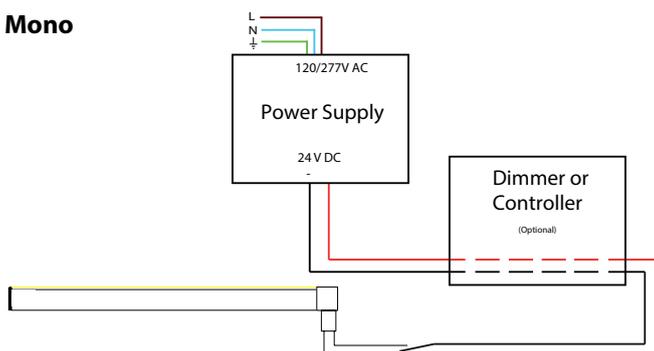
Diffuse 3/4" Straight Connector Extension Cord

IP40



Power Connection

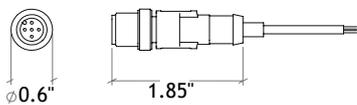
Mono



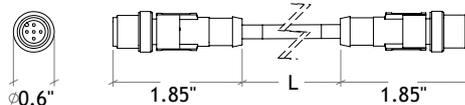
OrgaLED PU Connectors & Extensions (IP67)

	PU Mono Connector	PU Mono Extension	PU RGB Connector	PU RGB Extension	PU Splitter
Product code	014507	014509	014517	014519	014510
Dimensions	1.85" x 0.6" (LW)				2.2" x .6" x 1.3" (LWH)
Cord length	33', 16' available				
Ambient temperature	-13°F.. 194°F				
Degree of protection	IP67/IP68				
Rated current at 40°C	4 A				
Rated voltage	60 V				
Number of positions	4				
Contact resistance	≤ 5 mΩ				
Insulation resistance	≥ 100 mΩ				
Cable type	PUR halogen-free,black				
UL AWM style	20549/ 10493 (80°C/ 300 V)				
Conductor cross section	4x 0.01" 2		5x 0.01" 2		
AWG signal line	22				
Wire colors	+ = Brown & White, - = Blue & Black (- Red = Black, - Green = Green-yellow for RGB)				
External cable dia. D	0.19" ± 0.006"		0.2" ± 0.006"		
Smallest bedding radius	0.98"				
To be used with	OrgaLED, Forta Precast, Marker Lights, Encapsulated Aeris				

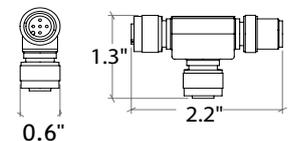
PU Connector IP68



PU Extension Cord IP68



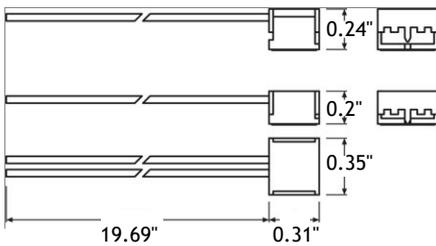
PU Splitter IP68



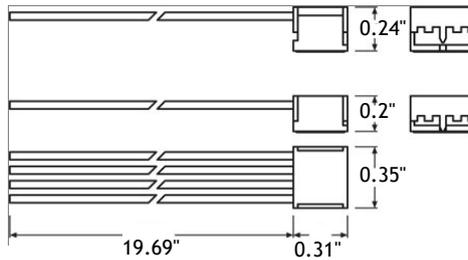
OrgaLED PCB Connectors & Extensions (IP20)

	PCB Mono Connector	PCB RGB Connector	PCB TW Connector	PCB Inline Connector	PCB Extension	PCB Extension	PCB Extension
Product code	011750	011752	011798	011797	010897	011795	010899
Dimensions	.031" x 0.35" x 0.24" (LWH)						
Cord length	19.69"			NA	1.18"	5.9"	11.81"
Degree of protection (IP)	IP20						
Material	White PBT GF						
To be used with	OrgaLED PCB Strips						

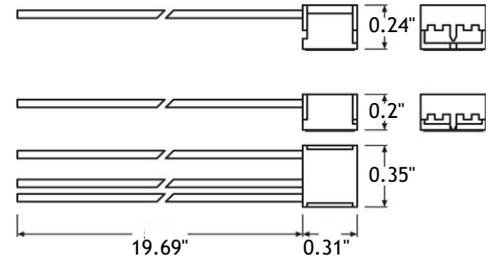
PCB Mono Connector IP20



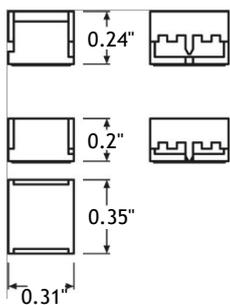
PCB RGB Connector IP20



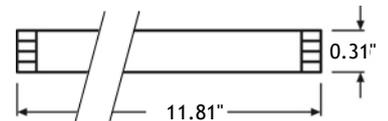
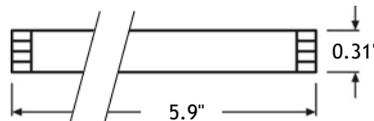
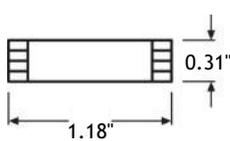
PCB Tunable White Connector IP20



PCB Inline Connector



PCB Extension Wires



Symbols

- 

UL is a world leader in product safety testing and certification. UL sets standards and tests products to make sure they meet standards.
- 

The ETL Listed mark indicates that your product has been tested by Intertek and found in compliance with accepted UL standards.
- 

Electro Static Discharge (ESD) sensitive device, apply standard ESD precautions when handling the product.
- 

Manufacturer's declaration that the product meets the applicable EC directives.
- 

Suitable for mounting on all surfaces and suitable to cover with insulating material.
- 

Restriction of Hazardous Substances (RoHS): product complies with the RoHS directive and each homogeneous material does not exceed the limits for the materials mentioned under the RoHS directive (Pb, Hg, Cd, Cr6+, PBB and PBDE).
- 

This product can be both IP40 and IP68 depending on the configuration and application. See the documentation for the exact IP rating.
- 

Bending of the LED strip is possible with a radius of ≥ 1.2 inches in the specified direction.
- 

Electrical appliance class III: this product is designed to be supplied from an extra-low voltage (≤ 60.0 V DC or ≤ 42.4 V AC).
- 

System guarantee of 5 years when the complete system consist of OrgaLED® products with the 5 year system warranty logo.
- 

Product is resistant against ultraviolet (UV) light or sunlight. Non-UV resistant products can degrade or discolor fast when exposed to UV.
- 

Product can be cleaned with normal cleaning agents as specified in the datasheet under 'chemical compliances.'
- 

This product can be stored and used below 32 degrees Fahrenheit. Verify the minimum storage and operation temperature in the datasheet for the lowest temperature allowed.
- 

This product can be applied in seawater and its environment. Elements in seawater will have no harmful effect on the product. For chemical specifications see datasheet. Verify the IP rating for proper use.
- 

This product can be applied inside swimming pool environments. Elements in the air will have no harmful effect on the product. For chemical specifications of these elements see datasheet. Verify the IP rating for proper use.
- 

This product is available on request and can be submerged n swimming pools and their environments. Disinfectants will have no harmful effect on product. For chemical specifications of these elements see datasheet. Verify the IP rating for proper use.
- 

The CRI value of this product is 80 or higher.
- 

The binning tolerance of this product is 2 MacAdam.

Disclaimer

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