

OrgaLED® Top

DECO, POWER & HIGH POWER
24V DC



Organic Lighting's OrgaLED® Top LED strip delivers exceptional flexibility, extra-long single feed run, and high performance output tailored for demanding environments. Engineered with durability and efficiency in mind, the OrgaLED® Top integrates a unique 3-layer construction: A rigid acrylic base plate layered between the copper PCB and polyurathene encapsulation. This design significantly enhances structural integrity, protecting the LED from mechanical stress, thermal cycling, and UV/IR exposure - making OrgaLED® the ideal product for both indoor and outdoor applications.

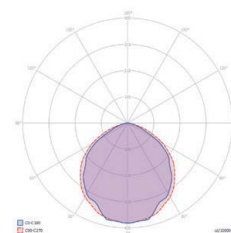
FEATURES

- Very Flexible (Bend radius >1.2"/30.5mm)
- High Efficacy- 127 lm/W
- High Density- 8 LEDs per cuttable section
- 24V DC - Low Voltage, Class 2
- 66ft(20m) Continuous Runs
- 2700K, 3000K, 3500K, 4000K, 5000K
- Field Cuttable 1.96in (49.8mm)
- Dimmable
- UV/IR protected PVC encapsulation
- IP40 or IP67 Wet Location
- UL Listed / CE /ROHS
- 5 years / 50,000 hrs warranty

ORGANIC LIGHTING®

Project

Date



110°



0.5"W x 0.25"H
(12.7mm x 6.35mm)

ORDERING GUIDE Make selections by filling out the top row or highlighting options.

LED	LENGTH	CONNECTOR	ACCESSORY	POWER SUPPLY	ENCLOSURE	MOUNTING
Deco 041101 27K 041102 30K 041103 35K 041104 40K 041105 50K	X = Length (length in inches)	041001 Top Endcap	011511 PVC IP67 Waterproofing Kit	045001 20W	045008 20W	010710 Aeris0.8"W Low
		041002 Straight Connector	011508 IP67 Factory Waterproofing	045002 40W	045009 40W	010714 Aeris 0.8"W High
		041003 Bottom Feed Connector	PC-JBOX Waterproof Mini J-Box	045003 60W	045010 60W	010800 Aeris 0.8"W Frosted Lens
		041004 Jumper Cable		045004 75W	045011 75W	010730 Aeris1.2"W Low
		041005 L-Splice Connector		045005 96W	045012 96W	010734 Aeris 1.2"W High
		041006 Inline Connector		045006 200W 045007 300W	045013 200W 045014 300W	010820 Aeris 1.2"W Frosted Lens
Power 041201 27K 041202 30K 041203 35K 041204 40K 041205 50K						041007 PVC Clear Channel 012851 Aluminum Channel 012850 Aluminum Channel Clip 010982 1" Line Extrusion 010959 1" Line Extrusion Frosted Walk-over Lens
High Power 041301 27K 041302 30K 041303 35K 041304 40K 041305 50K						010985 2" Line Extrusion 010961 2" Line Frosted Walk-Over Lens 010962 2" Line Frosted Decorative Lens

Specifications may be modified or improved without notification

Organic Lighting | 12203 Magnolia Avenue, Suite 1, Riverside CA 92503 | 626.969.6140 | www.organiclighting.com | 07/2025 V42



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OrgaLED® Top DECO, POWER & HIGH POWER

LED PART NUMBER & SPECIFICATIONS

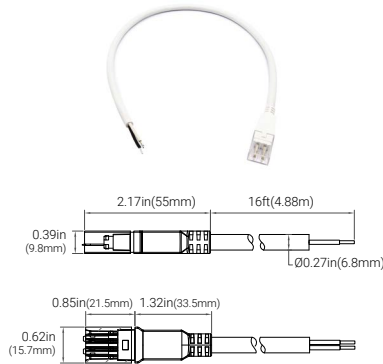
Part #	Color	CRI	lm/ft	lm/m	Max Run		W/ft	W/m
OrgaLED® Deco Top								
041101	2700K	>94	35.1	115.1	66ft	20.1m	0.3	0.98
041102	3000K	>94	36	118.1	66ft	20.1m	0.3	0.98
041103	3500K	>94	36	118.1	66ft	20.1m	0.3	0.98
041104	4000K	>94	38.1	125	66ft	20.1m	0.3	0.98
041105	5000K	>94	38.1	125	66ft	20.1m	0.3	0.98
OrgaLED® Power Top								
041201	2700K	>94	116.8	383.1	66ft	20.1m	1	3.28
041202	3000K	>94	120.1	393.9	66ft	20.1m	1	3.28
041203	3500K	>94	120.1	393.9	66ft	20.1m	1	3.28
041204	4000K	>94	127	416.6	66ft	20.1m	1	3.28
041205	5000K	>94	127	416.6	66ft	20.1m	1	3.28
OrgaLED® High Power Top								
041301	2700K	>94	198.6	651.4	66ft	20.1m	1.7	5.58
041302	3000K	>94	204.2	669.8	66ft	20.1m	1.7	5.58
041303	3500K	>94	204.2	669.8	66ft	20.1m	1.7	5.58
041304	4000K	>94	215.9	708.2	66ft	20.1m	1.7	5.58
041305	5000K	>94	215.9	708.2	66ft	20.1m	1.7	5.58

ORGANIC LIGHTING®

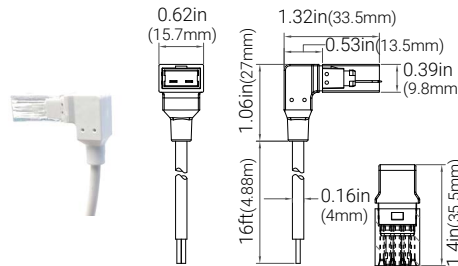
Project

Date

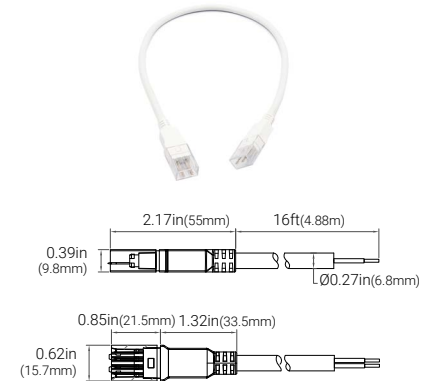
ACCESSORIES



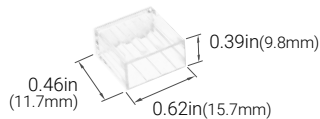
Straight Connector Cable 16ft (4.88m)
IP40 / IP67 | #041002



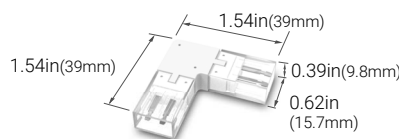
Bottom Feed Connector Cable 16ft (4.88m)
IP40 / IP67 | #041003



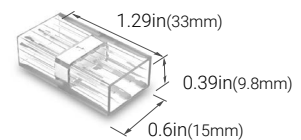
Jumper Cable 8in (203.2mm)
IP40 / IP67 | #041004



Top End Cap | IP40 / IP67
#041001



L-Splice Connector | IP40 / IP67
#041005



Inline Connector | IP40 / IP67
#041006



PVC IP67 Waterproofing Kit
#011511



IP67 Factory Waterproofing
#011508



Waterproof Mini J-Box
#PC-JBOX

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OrgaLED® Top DECO, POWER & HIGH POWER

POWER SUPPLIES, MOUNTINGS & EXTRUSIONS

ORGANIC LIGHTING®

POWER SUPPLIES - 24V

Forward Phase, Reverse Phase, & 0-10V Dimming Drivers. Outdoor enclosures available.

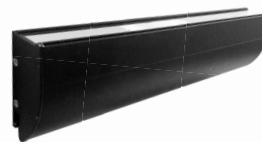
Part #	Ingress	Voltage	Wattage	Dimensions (inches / mm)	Description
045001	IP67	100-305V	20W	7.6 x 1.18 x 0.79 / 193 x 30 x 20	Dimmable LED Driver
045002	IP67	100-305V	40W	5.83 x 1.58 x 0.87 / 148 x 40 x 22	Dimmable LED Driver
045003	IP67	120-277V	60W	6.3 x 2.24 x 1.5 / 160 x 57 x 38	Dimmable LED Driver
045004	IP67	120-277V	75W	6.3 x 2.24 x 1.5 / 160 x 57 x 38	Dimmable LED Driver
045005	IP67	120-277V	96W	7.6 x 2.24 x 1.5 / 193 x 57 x 38	Dimmable LED Driver
045006	IP67	120-277V	200W	10.1 x 3.03 x 1.8 / 257 x 77 x 46	Dimmable LED Driver
045007	IP67	120-277V	300W	11.9 x 3.03 x 1.8 / 302 x 77 x 46	Dimmable LED Driver

ENCLOSURES

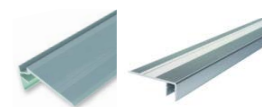
Part #	Ingress	Dimensions (inches / mm)	Description
045008	IP67	9.4 x 2.6 x 1.9 / 239 x 66 x 48	20W Enclosure
045009	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	40W Enclosure
045010	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	60W Enclosure
045011	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	75W Enclosure
045012	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	96W Enclosure
045013	IP67	16.7 x 9.8 x 2.3 / 424 x 249 x 58	200W Enclosure
045014	IP67	16.7 x 9.8 x 2.3 / 424 x 249 x 58	300W Enclosure

Application Based Mounting Systems

Cove Extrusion



Direct Stair Extrusion Indirect Stair Extrusion



Learn more at
OrganicLighting.com

MOUNTING & EXTRUSIONS

Mounts directly with brackets, self adhesive transparent channels, or in aluminum extrusions.
For more extrusions, visit organiclighting.com.

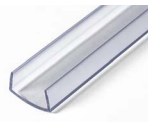


Aeris is an aluminum anodized IP68 encapsulated extrusion fixture. Can be suspended with low voltage cable suspension or mounted to surface.

Aeris 0.8"W Low
0.8" x 0.75" (20 x 19mm)
#010710
Aeris 0.8"W High
0.8" x 1.48" (20 x 37.6mm)
#010714
Aeris 0.8"W Frosted Lens
#010800



Aeris 1.2"W Low
1.2" x 0.75" (30.5 x 19mm)
#010730
Aeris 1.2"W High
1.2" x 1.48" (30.5 x 37.6mm)
#010734
Aeris 1.2"W Frosted Lens
#010820



PVC Clear Channel is lightweight and self adhesive.

PVC Clear Channel 39in (1m)
.57"W x .31"H (14.5 x 7.9mm)
#041007



Aluminum Channel with an internal groove allows for a flathead screw. OrgaLED sits flush in channel.

Aluminum Channel
0.41" x 0.41" (10.4 x 10.4mm)
#012851
Aluminum Channel Clip
0.55" x 0.31" (14 x 7.9mm)
#012850



Anodized surface, wall, floor, recess, inverted or suspended mounting.

1" Line Extrusion
0.95" x 2" (24.1 x 50.8mm)
#010982
1" Line Frosted Walk-over Lens
#010959



Anodized surface, wall, floor, recess, inverted or suspended mounting.

2" Line Extrusion | 1.73" x 2" (43.9 x 50.8mm)
#010985
2" Line Frosted Walk-over Lens
#010961
2" Line Frosted Decorative Lens
#010962

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CABLE REQUIREMENT

The OrgaLED® LED strips need a minimum voltage at the beginning of the LED strip to function according to the specifications. The table below gives an indication of the maximum cable length based on the cable thickness. The standard OrgaLED® starter cable (20 AWG) has a cable length of 16ft(4.88m).

In case the required length is longer than the length mentioned in this cable, it is recommended to cut the starter cable down to 1ft and splice a larger gauge cable. Please contact your distributor for a detailed cable calculation.

Cable X Information	LED Strip	Max. Cable Length
		24 V
20 AWG x 2	3.28 ft / 1m	303 ft / 92.35m
	16.4 ft / 5m	57 ft / 17.37m
	32.8 ft / 10m	36 ft / 10.98m
	49.2 ft / 15m	20 ft / 6.1m
	65.6 ft / 20m	16 ft / 4.9m
18 AWG x 2	3.28 ft / 1m	457 ft / 139.3m
	16.4 ft / 5m	86 ft / 26.21m
	32.8 ft / 10m	56 ft / 17.07m
	49.2 ft / 15m	35 ft / 10.67m
	65.6 ft / 20m	25 ft / 7.62m
16 AWG x 2	3.28 ft / 1m	914 ft / 278.6m
	16.4 ft / 5m	172 ft / 52.43m
	32.8 ft / 10m	90 ft / 27.43m
	49.2 ft / 15m	60 ft / 18.3m
	65.6 ft / 20m	40 ft / 12.2m
14 AWG x 2	3.28 ft / 1m	1521 ft / 463.6m
	16.4 ft / 5m	287 ft / 87.5m
	32.8 ft / 10m	140 ft / 42.67m
	49.2 ft / 15m	96 ft / 29.26m
	65.6 ft / 20m	70 ft / 21.34m

