

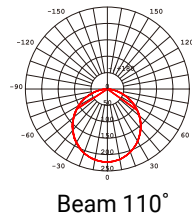
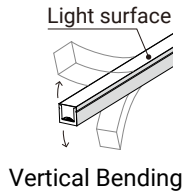
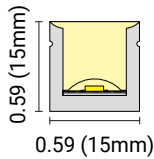
# OrgaLED® Top Diffuse 0.5"

Deco / Power 24V DC



## FEATURES

- Vertical Bending
- High Efficacy - Up to 44 lm/W
- Bending Radius: 7.5in (190mm)
- 24V DC - Low Voltage, Class 2
- Up to 33ft Continuous Runs
- 2700K, 3000K, 3500K, 4000K
- 90+ CRI
- Factory Cuttable at any Length
- Dimmable; 0-10V 10%, PWM, DMX 1%
- UV/IR Protected Silicone
- IP40 / IP67/ IP68
- UL Listed / CE /ROHS
- 5 years / 50,000 hrs warranty
- Single Binning



## PART NUMBER & SPECIFICATIONS

### OrgaLED® Top Diffuse Deco

Part #	Color	CRI	Max Run	lm/ft	lm/m	W/ft	W/m
041601	2700K	>90	33ft 10m	86.9	285	2.2	7.2
041602	3000K	>90	33ft 10m	91.4	300	2.2	7.2
041603	3500K	>90	33ft 10m	91.4	300	2.2	7.2
041604	4000K	>90	33ft 10m	96	315	2.2	7.2

### OrgaLED® Top Diffuse Power

Part #	Color	CRI	Max Run	lm/ft	lm/m	W/ft	W/m
041701	2700K	>90	33ft 10m	173.8	570	4.4	14.4
041702	3000K	>90	33ft 10m	183	600	4.4	14.4
041703	3500K	>90	33ft 10m	183	600	4.4	14.4
041704	4000K	>90	33ft 10m	192	630	4.4	14.4

ORGANIC LIGHTING®

Project

Date

## ACCESSORIES



Diffuse Top End Cap  
IP40, IP67 | #041501



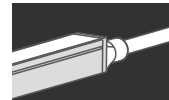
Diffuse Top  
16ft(4.9m) Starter Cable  
IP40, IP67 | #041502



Diffuse Top  
8in(203mm) Jumper Cable  
IP40, IP67 | #041504



Diffuse Top  
Injection Mold End Cap  
IP68 | #041505



Diffuse Top Injection Mold  
16ft(4.9m) Starter Cable/Straight  
IP68 | #041506



Diffuse Top Injection Mold  
16ft(4.9m) Starter Cable/Bottom Feed  
IP68 | #041507



Diffuse Top Injection Molded  
16ft(4.9m) Starter Cable/Side Feed  
IP68 | #041508



Silicone IP67 Waterproofing Kit  
#011521

Specifications may be modified or improved without notification

Organic Lighting | 12203 Magnolia Avenue, Suite 1, Riverside CA 92503 | 626.969.6140 | www.organiclighting.com | 08/2024 V11



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## Power Supplies, Mountings & Extrusions

### POWER SUPPLIES - 24V

Forward Phase, Reverse Phase, & 0-10V Dimming Drivers. Remote 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 1.57 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

20W Dimmable Driver



75W Dimmable 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

\* See controllers and accessories specification detail for additional control options.

### MOUNTING & EXTRUSIONS

Mounts directly with brackets or in aluminum extrusions.



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

**Aluminum Channel | 8ft(2.4m) L**  
0.67" x 0.71"(17 x 18.5mm)  
#041510



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

**Buckle | 1in(25.4mm) L**  
0.67" x 0.71"(17 x 18.5mm)  
#041511



Designed to securely fasten the LEDs regardless of the mounting orientation and hold any horizontally curved design.

**Serrated Channel | 6.58ft(2m) L**  
0.67" x 0.77" (17 x 19.5mm)  
#041512



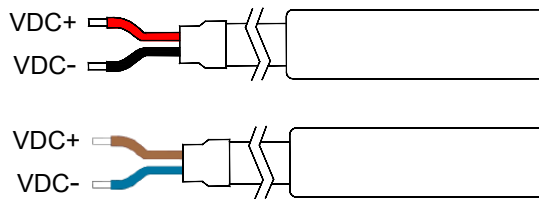
PVC Mounting Channel is lightweight and self adhesive.

**PVC Mounting Channel | 4ft(1.2m) L**  
0.74" x 0.44"(19 x 11mm)  
#037006

## 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(4.9m).

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(0.3m) and splice a larger gauge cable. Please contact your distributor for a detailed cable calculation.



Cable X Information	LED Strip	Max. Cable Length	
		DECO 24V	POWER 24V
20 AWG x 2	3.28 ft /1m	303 ft /92.35m	155 ft /47.24m
	16.4 ft /5m	57 ft /17.37m	36 ft /10.97m
	32.8 ft /10m	36 ft /11m	18 ft /5.49m
18 AWG x 2	3.28 ft /1m	457 ft /139.3m	276 ft /84.12m
	16.4 ft /5m	86 ft /26.21m	56 ft /17.07m
	32.8 ft /10m	56 ft /17.07m	28 ft /8.53m
16 AWG x 2	3.28 ft /1m	914 ft /278.59m	456 ft /139m
	16.4 ft /5m	172 ft /52.43m	86 ft /26.21m
	32.8 ft /10m	90 ft /27.43m	45 ft /13.72m
14 AWG x 2	3.28 ft /1m	1521 ft /463.60	760 ft /231.65
	16.4 ft /5m	287 ft /87.48m	145 ft /44.2m
	32.8 ft /10m	140 ft /42.67m	70 ft /21.34m