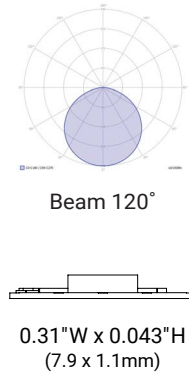


# OrgaLED® PCB 24V DC



ORGANIC LIGHTING®

Project

Date

## ACCESSORIES

PCB OrgaLED strips offer IP20 a range of connections.



**PCB Starter Cable | 16ft (4.9m)**  
IP20  
#040081



**PCB Jumper Cable | 8in (203mm)**  
IP20  
#040082



**PCB Inline Connector**  
IP20  
#040083



**L Splice Connector**  
IP20  
#040084

## FEATURES

- Very Flexible (Bend radius >0.2"/5mm)
- High Efficacy - 142 lm/W
- High Density
- 24V DC - Low Voltage, Class 2
- Up to 66ft(20.1m) Continuous Runs
- 2700K, 3000K, 3500K, 4000K, 5000K
- Field Cuttable 1.96in (49.8mm)
- 8 LEDs per cuttable section
- Dimmable
- IP20
- UL Listed / CE /ROHS
- 5 years / 50,000 hrs warranty

## PART NUMBER & SPECIFICATIONS

### OrgaLED® Deco PCB

Part #	Color	CRI	lm/ft	lm/m	W/ft	W/m
041131	2700K	>94	39.2	128.6	0.3	0.98
041132	3000K	>94	40.3	132.2	0.3	0.98
041133	3500K	>94	40.3	132.2	0.3	0.98
041134	4000K	>94	42.6	139.7	0.3	0.98
041135	5000K	>94	42.6	139.7	0.3	0.98

### OrgaLED® Power PCB

Part #	Color	CRI	lm/ft	lm/m	W/ft	W/m
041141	2700K	>94	130.6	428.4	1	3.28
041142	3000K	>94	134.3	440.5	1	3.28
041143	3500K	>94	134.3	440.5	1	3.28
041144	4000K	>94	142	465.8	1	3.28
041145	5000K	>94	142	465.8	1	3.28

### OrgaLED® High Power PCB

Part #	Color	CRI	lm/ft	lm/m	W/ft	W/m
041151	2700K	>94	222.1	728.5	1.7	5.58
041152	3000K	>94	228.4	749.2	1.7	5.58
041153	3500K	>94	228.4	749.2	1.7	5.58
041154	4000K	>94	241.4	791.8	1.7	5.58
041155	5000K	>94	241.4	791.8	1.7	5.58

Specifications may be modified or improved without notification



# POWER SUPPLIES, MOUNTINGS & EXTRUSIONS



## 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

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

## MOUNTING & EXTRUSIONS

Mounts directly with brackets, self adhesive transparent channels, or in aluminum extrusions. For more extrusions, visit [organiclighting.com](http://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



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

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

- 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

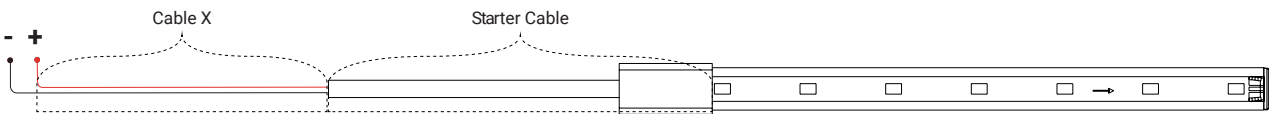
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# CABLE REQUIREMENT

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 (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
		24V
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