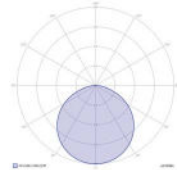
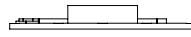


OrgaLED® Photon PCB 24V DC



Beam 120°



0.31"W x 0.043"H
(7.9mm x 1.1mm)

ORGANIC LIGHTING®

Project

Date

ACCESSORIES

PCB OrgaLED strips offer IP20 a range of connections.

FEATURES

- Very Flexible (Bend radius >0.2in/5mm)
- High Efficacy 192 lm/W
- High Density 9 LEDs per cuttable section
- 24V DC - Low Voltage, Class 2
- 2700K, 3000K, 4000K, 5000K, 6500K
- Field Cuttable 1.96in (49.78mm)
- Dimmable
- 3M Adhesive Backing Tape
- IP20
- UL Listed / CE / ROHS
- 5 years / 50,000 hrs warranty

PART NUMBER & SPECIFICATIONS

OrgaLED® Photon 1200 PCB

Part #	Color	CRI*	lm/ft	lm/m	Max Run	W/ft	W/m
061101	2700K	80+	306	1003.7	23ft 75.4m	1.8	5.9
061102	3000K	80+	324	1062.7	23ft 75.4m	1.8	5.9
061104	4000K	80+	360	1180.8	23ft 75.4m	1.8	5.9
061105	5000K	80+	351	1151.3	23ft 75.4m	1.8	5.9
061106	6500K	80+	345.6	1133.6	23ft 75.4m	1.8	5.9

OrgaLED® Photon 2000 PCB

061201	2700K	80+	510	1672.8	20ft 65.6m	3	9.8
061202	3000K	80+	540	1771.2	20ft 65.6m	3	9.8
061204	4000K	80+	600	1968	20ft 65.6m	3	9.8
061205	5000K	80+	585	1918.8	20ft 65.6m	3	9.8
061206	6500K	80+	576	1889.3	20ft 65.6m	3	9.8

OrgaLED® Photon 3000 PCB

061301	2700K	80+	782	2565	16ft 52.5m	4.6	15.1
061302	3000K	80+	828	2715.8	16ft 52.5m	4.6	15.1
061304	4000K	80+	920	3017.6	16ft 52.5m	4.6	15.1
061305	5000K	80+	897	2942.2	16ft 52.5m	4.6	15.1
061306	6500K	80+	883.2	2897	16ft 52.5m	4.6	15.1

OrgaLED® Photon 4000 PCB

061401	2700K	80+	986	3234.1	16ft 52.5m	5.8	19
061402	3000K	80+	1044	3424.3	16ft 52.5m	5.8	19
061404	4000K	80+	1160	3804.8	16ft 52.5m	5.8	19
061405	5000K	80+	1160	3804.8	16ft 52.5m	5.8	19
061406	6500K	80+	1113.6	3652.6	16ft 52.5m	5.8	19

*90+ CRI available upon request



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

Specifications may be modified or improved without notification

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

Project

Date

ENCLOSURES

Part #	Ingress	Dimensions (inches / mm)	Description
045008	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	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
PC-JBOX	IP67	4.25 x 1.63 x 1.25 / 108 x 41 x 32	Waterproof J-Box

20W Dimmable Driver



75W Dimmable Driver



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.

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

- Aeris 0.8" Low**
0.8" x 0.75" / 20 x 19mm
#010710
- Aeris 0.8" High**
0.8" x 1.48" / 20.3 x 37.6mm
#010714
- Aeris 0.8" Frosted Lens**
#010800

- Aeris 1.2"W Low**
1.2" x 0.75" / 31 x 19mm
#010730
- Aeris 1.2"W High**
1.2" x 1.48" / 31 x 38mm
#010734
- Aeris 1.2"W Frosted Lens**
#010820

- Aluminum Channel | 0.41" x 0.41" / 10 x 10mm**
#012851
- Aluminum Channel Clip | 0.55" x 0.31" / 14 x 8mm**
#012850



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 x 51mm
#010982
- 1" Line Frosted Walk-over Lens**
#010959

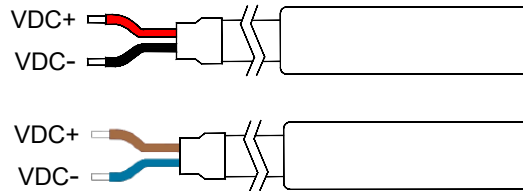
- 2" Line Extrusion**
1.73" x 2" / 44 x 51mm
#010985
- 2" Line Frosted Walk-over Lens**
#010961
- 2" Line Frosted Decorative Lens**
#010962

Specifications may be modified or improved without notification

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 (4.8m).

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
Photon 1200		24V
20 AWG x 2	3.28ft / 1m	490ft / 149.35m
	9.84ft / 3m	150ft / 45.72m
	22.96ft / 7m	60ft / 18.29m
18 AWG x 2	3.28ft / 1m	780ft / 237.74m
	9.84ft / 3m	250ft / 76.2m
	22.96ft / 7m	100ft / 30.48m
16 AWG x 2	3.28ft / 1m	1240ft / 377.95m
	9.84ft / 3m	400ft / 121.92m
	22.96ft / 7m	170ft / 51.82m
14 AWG x 2	3.28ft / 1m	1900ft / 579.12m
	9.84ft / 3m	640ft / 195.07m
	22.96ft / 7m	270ft / 82.3m

Cable X Information	LED Strip	Max. Cable Length
Photon 2000		24V
20 AWG x 2	3.28ft / 1m	280ft / 85.35m
	9.84ft / 3m	95ft / 28.96m
	19.68ft / 6m	46ft / 14.02m
18 AWG x 2	3.28ft / 1m	450ft / 137.16m
	9.84ft / 3m	150ft / 45.72m
	19.68ft / 6m	75ft / 22.86m
16 AWG x 2	3.28ft / 1m	720ft / 219.46m
	9.84ft / 3m	240ft / 73.15m
	19.68ft / 6m	120ft / 36.58m
14 AWG x 2	3.28ft / 1m	1150ft / 350.52m
	9.84ft / 3m	380ft / 115.82m
	19.68ft / 6m	190ft / 57.91m

Cable X Information	LED Strip	Max. Cable Length
Photon 3000		24V
20 AWG x 2	3.28ft / 1m	180ft / 54.86m
	9.84ft / 3m	60ft / 18.29m
	16.4ft / 5m	35ft / 10.67m
18 AWG x 2	3.28ft / 1m	290ft / 88.39m
	9.84ft / 3m	100ft / 30.48m
	16.4ft / 5m	60ft / 18.29m
16 AWG x 2	3.28ft / 1m	470ft / 143.26m
	9.84ft / 3m	150ft / 45.72m
	16.4ft / 5m	90ft / 27.43m
14 AWG x 2	3.28ft / 1m	750ft / 228.6m
	9.84ft / 3m	250ft / 76.2m
	16.4ft / 5m	150ft / 45.72m

Cable X Information	LED Strip	Max. Cable Length
Photon 4000		24V
20 AWG x 2	3.28ft / 1m	140ft / 42.67m
	9.84ft / 3m	45ft / 13.72m
	16.4ft / 5m	25ft / 7.62m
18 AWG x 2	3.28ft / 1m	220ft / 67.06m
	9.84ft / 3m	75ft / 22.86m
	16.4ft / 5m	40ft / 12.19m
16 AWG x 2	3.28ft / 1m	360ft / 109.73m
	9.84ft / 3m	120ft / 36.58m
	16.4ft / 5m	70ft / 21.34m
14 AWG x 2	3.28ft / 1m	575ft / 175.26m
	9.84ft / 3m	190ft / 57.91m
	16.4ft / 5m	110ft / 33.53m