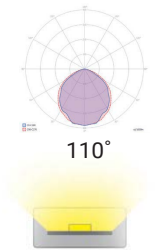


# OrgaLED® Photon Top 1200, 2000, 3000, 4000

24V DC



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

ORGANIC LIGHTING®

Project

Date

## ACCESSORIES

OrgaLED strips offer a range of 'Plug & Play' IP40 and IP67 field installable connectors or factory installed IP67 connections.

## FEATURES

- Very Flexible (Bend radius >1.2in/25mm)
- High Efficacy - 180lm/W
- High Density- 9 LEDs per cuttable section
- 24V DC - Low Voltage, Class 2
- Up to 23ft(7m) Continuous Runs
- 2700K, 3000K, 4000K, 5000K, 6500K
- Field Cuttable 1.96in (49.78mm)
- Dimmable
- UV/IR protected PVC encapsulation
- 3M Adhesive Backing Tape
- IP40 or IP67 Wet Location
- UL Listed / CE /ROHS
- 5 years / 50,000 hrs warranty

## PART NUMBER & SPECIFICATIONS

### OrgaLED® Photon 1200 Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m
051101	2700K	>94	275.4	903.3	23ft 7m	1.8	5.9
051102	3000K	>94	291.6	956.4	23ft 7m	1.8	5.9
051104	4000K	>94	324	1062.7	23ft 7m	1.8	5.9
051105	5000K	>94	315.9	1036.2	23ft 7m	1.8	5.9
051106	6500K	>94	311	1020.1	23ft 7m	1.8	5.9

### OrgaLED® Photon 2000 Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m
051201	2700K	>94	459	1505.5	20ft 6m	3	9.8
051202	3000K	>94	486	1594.1	20ft 6m	3	9.8
051204	4000K	>94	540	1771.2	20ft 6m	3	9.8
051205	5000K	>94	526	1725.3	20ft 6m	3	9.8
051206	6500K	>94	518.4	1700.4	20ft 6m	3	9.8

### OrgaLED® Photon 3000 Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m
051301	2700K	>94	703.8	2308.5	16ft 5m	4.6	15.1
051302	3000K	>94	745.2	2444.3	16ft 5m	4.6	15.1
051304	4000K	>94	828	2715.8	16ft 5m	4.6	15.1
051305	5000K	>94	807.3	2647.9	16ft 5m	4.6	15.1
051306	6500K	>94	794.9	2607.3	16ft 5m	4.6	15.1

### OrgaLED® Photon 4000 Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m
051401	2700K	>94	887.4	2910.7	16ft 5m	5.8	19
051402	3000K	>94	939.6	3081.9	16ft 5m	5.8	19
051404	4000K	>94	1044	3424.3	16ft 5m	5.8	19
051405	5000K	>94	1017.9	3338.7	16ft 5m	5.8	19
051406	6500K	>94	1002.2	3287.2	16ft 5m	5.8	19



**White Starter Cable 16ft (4.8m)**  
IP40 / IP67  
#051002



**Jumper Connector**  
IP40 / IP67  
#051004



**Top End Cap**  
IP40 / IP67  
#051001



**Silicone IP67 Waterproofing Kit**  
#011521



**IP67 Factory Waterproofing**  
#011508

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.

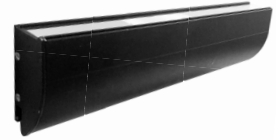
Part #	Ingress	Voltage	Wattage	Dimensions (inches / mm)	Description
045001	IP67	100-305V	20W	7.6 x 1.18 x 0.79 / 193 x 30 x 20	Dimmable LED Driver
045002	IP67	100-305V	40W	5.83 x 1.57 x 0.87 / 148 x 40 x 22	Dimmable LED Driver
045003	IP67	120-277V	60W	6.3 x 2.24 x 1.5 / 160 x 57 x 38	Dimmable LED Driver
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

## ENCLOSURES

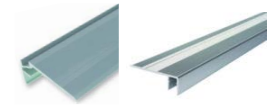
Part #	Ingress	Dimensions (inches / mm)	Description
045008	IP67	9.4 x 2.6 x 1.9 / 239 x 66 x 48	20W Enclosure
045009	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	40W Enclosure
045010	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	60W Enclosure
045011	IP67	11.02 x 4.05 x 2.2 / 280 x 103 x 56	75W Enclosure
045012	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](http://OrganicLighting.com)

## 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\"/>**

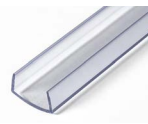
**Aeris 0.8\"/>**



**Aeris 1.2\"/>**

**Aeris 1.2\"/>**

**Aeris 1.2\"/>**



PVC Clear Channel is lightweight and self adhesive.

**PVC Clear Channel 39\"/>**



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

**Aluminum Channel**  
0.41\"/>

**Aluminum Channel Clip**  
0.55\"/>



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

**1\"/>**



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

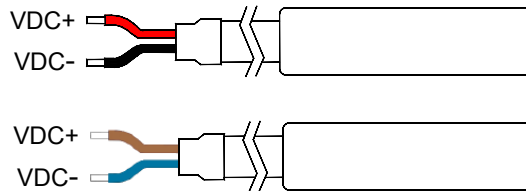
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# CABLE REQUIREMENT

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 (5m).

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
<b>Photon 1200</b>		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
<b>Photon 2000</b>		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
<b>Photon 3000</b>		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
<b>Photon 4000</b>		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