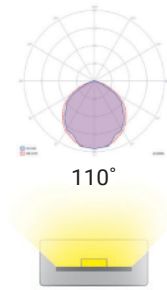


# OrgaLED® Photon Top 24V DC



0.5"W x 0.25"H

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 >1.2")
- High Efficacy - 180lm/W
- High Density- 9 LEDs per cuttable section
- 24V DC - Low Voltage, Class 2
- Up to 33ft Continuous Runs
- 2700K, 3000K, 4000K, 5000K, 6500K
- Field Cuttable 1.96in
- 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*	W/ft
051101	2700K	>94	275.4	1.8
051102	3000K	>94	291.6	1.8
051104	4000K	>94	324	1.8
051105	5000K	>94	315.9	1.8
051106	6500K	>94	311	1.8

### OrgaLED® Photon 2000 Top

051201	2700K	>94	459	3
051202	3000K	>94	486	3
051204	4000K	>94	540	3
051205	5000K	>94	526	3
051206	6500K	>94	518.4	3

### OrgaLED® Photon 3000 Top

051301	2700K	>94	703.8	4.6
051302	3000K	>94	745.2	4.6
051304	4000K	>94	828	4.6
051305	5000K	>94	807.3	4.6
051306	6500K	>94	794.9	4.6

### OrgaLED® Photon 4000 Top

051401	2700K	>94	918	6
051402	3000K	>94	972	6
051404	4000K	>94	1080	6
051405	5000K	>94	1053	6
051406	6500K	>94	1036.8	6



**White Starter Cable 16ft**  
IP40 / IP67  
#051002



**Jumper Connector**  
IP40 / IP67  
#051004



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

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)	Description
045001	IP67	100-305V	20W	7.6 x 1.18 x 0.79	Dimmable LED Driver
045002	IP67	100-305V	40W	5.83 x 1.57 x 0.87	Dimmable LED Driver
045003	IP67	120-277V	60W	6.3 x 2.24 x 1.5	Dimmable LED Driver
045004	IP67	120-277V	75W	6.3 x 2.24 x 1.5	Dimmable LED Driver
045005	IP67	120-277V	96W	7.6 x 2.24 x 1.5	Dimmable LED Driver
045006	IP67	120-277V	200W	10.1 x 3.03 x 1.8	Dimmable LED Driver
045007	IP67	120-277V	300W	11.9 x 3.03 x 1.8	Dimmable LED Driver

## ENCLOSURES

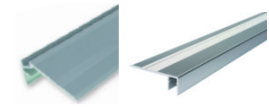
Part #	Ingress	Dimensions (inches)	Description
045008	IP67	9.4 x 2.6 x 1.9	20W Enclosure
045009	IP67	11.02 x 4.05 x 2.2	40W Enclosure
045010	IP67	11.02 x 4.05 x 2.2	60W Enclosure
045011	IP67	11.02 x 4.05 x 2.2	75W Enclosure
045012	IP67	11.02 x 4.05 x 2.2	96W Enclosure
045013	IP67	16.7 x 9.8 x 2.3	200W Enclosure
045014	IP67	16.7 x 9.8 x 2.3	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"W Low | 0.8" x 0.75"**  
#010710  
**Aeris 0.8"W High | 0.8" x 1.48"**  
#010714  
**Aeris 0.8"W Frosted Lens**  
#010800



**Aeris 1.2"W Low | 1.2" x 0.75"**  
#010730  
**Aeris 1.2"W High | 1.2" x 1.48"**  
#010734  
**Aeris 1.2"W Frosted Lens**  
#010820



PET Channel is self adhesive. An internal groove allows for a flathead screw.

**PET Clear Channel | .67"W x .35"H**  
#011369  
**PET Clear Channel | .91"W x .39"H**  
#011370



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

**Aluminum Channel | 0.41" x 0.41"**  
#012851  
**Aluminum Channel Clip | 0.55" x 0.31"**  
#012850



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

**1" Line Extrusion | 0.95" x 2"**  
#010982  
**1" Line Frosted Walk-over Lens**  
#010959



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

**2" Line Extrusion | 1.73" x 2"**  
#010985  
**2" Line Frosted Walk-over Lens**  
#010961  
**2" Line Frosted Decorative Lens**  
#010962



PET Channel is lightweight. An internal groove allows for a flathead screw.

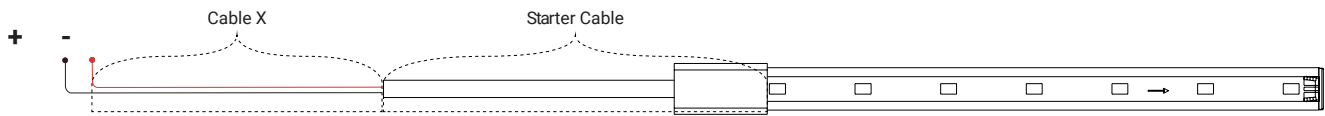
**PVC Channel 4' | .67" x .35"**  
#037006

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 and power supply voltage. The connection between the cable and LED strip is with an OrgaLED® Top starter cable with a cable length of 16ft.

In case the required length is larger than the length mentioned in this cable, the supply voltage is different or if a detailed wire plan with branches is planned, please contact your distributor for a detailed cable calculation.



Cable X Information	LED Strip	Max. Cable Length	
		24V	25V
20 AWG x 2	3.28 ft	303 ft	587 ft
	16.4 ft	57 ft	114 ft
	32.8 ft	26 ft	54 ft
18 AWG x 2	3.28 ft	457 ft	883 ft
	16.4 ft	86 ft	171 ft
	32.8 ft	40 ft	82 ft
16 AWG x 2	3.28 ft	914 ft	1766 ft
	16.4 ft	172 ft	343 ft
	32.8 ft	80 ft	135 ft
14 AWG x 2	3.28 ft	1521ft	2940 ft
	16.4 ft	287 ft	571 ft
	32.8 ft	133 ft	275 ft