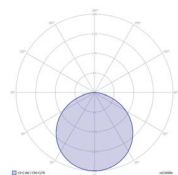
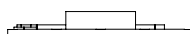


# OrgaLED® Photon PCB 24V DC



Beam 120°



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

## 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

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

Specifications may be modified or improved without notification

Organic Lighting | 12203 Magnolia Avenue, Suite 1, Riverside CA 92503 | 626.969.6140 | www.organiclighting.com | 09/2025 V13



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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 |

### 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 |

### 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" 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



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



**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



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

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

Project

Date

#### 20W Dimmable Driver



#### 75W Dimmable Driver



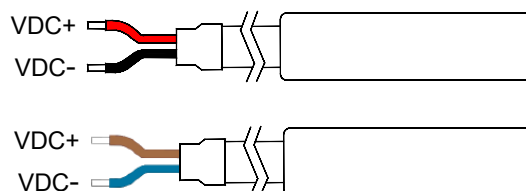
Aluminum Channel with an internal groove allows for a flathead screw. OrgaLED sits flush in channel.

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

## 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 |
|---------------------|--------------|-------------------|
| <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    |