

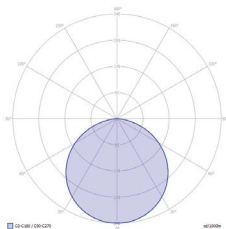
OrgaLED® PCB RGBW ● ● ● ○

24V DC

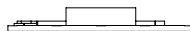


FEATURES

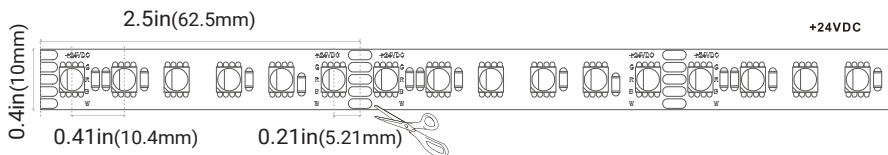
- Very Flexible (Bend radius >0.2"/5mm)
- High Efficacy - 55 lm/W
- 24V DC - Low Voltage, Class 2
- Up to 33ft(10m) Continuous Runs
- RGBW27K, RGBW30K, RGBW40K
- Field Cuttable 2.5in (62.5mm)
- Dimmable / DMX / SPI
- IP20
- UL Listed / CE /ROHS
- 5 years / 50,000 hrs warranty



Beam 120°



0.4"W x 0.043"H
(10 x 1.1mm)



PART NUMBER & SPECIFICATIONS

OrgaLED® PCB RGBW

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m
041161	RGBW27K	90	120.6	395.6	33ft 10m	2.2	7.2
041162	RGBW30K	90	120.6	395.6	33ft 10m	2.2	7.2
041163	RGBW40K	90	120.6	395.6	33ft 10m	2.2	7.2

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

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

Digital Controller (100W, 180W, 720W)



CONTROLLERS

Part #	Description
011343	100W Digital Controller
011344	180W Digital Controller
011345	720W Digital Controller
011341	Digital Controller & Power Supply Combination
011420	Nicolaude DE3 DMX 512 Controller
011403	Nicolaude DINA-DR1 DMX 512 Controller
050203	LT-200 SPI Controller - For Pixel
050205	DMX512 SPI Converter Decoder - For Pixel

Nicolaude DE3 DMX 512 Controller



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.

- 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.

- 1" Line Extrusion
0.95" x 2" (24.1 x 50.8mm)
#010982
- 1" Line Frosted Walk-over Lens
#010959



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

- 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

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(4.88m).

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
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 /11m
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
16 AWG x 2	3.28 ft /1m	914 ft /278.59m
	16.4 ft /5m	172 ft /52.43m
	32.8 ft /10m	90 ft /27.43m
14 AWG x 2	3.28 ft /1m	1521 ft /463.60
	16.4 ft /5m	287 ft /87.48m
	32.8 ft /10m	140 ft /42.67m

WIRING DIAGRAM

SINGLE-END FEED

