

OrgaLED® COB Top DECO, POWER & HIGH POWER

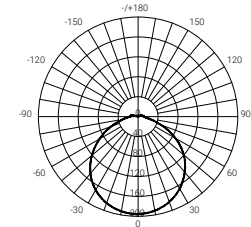
24V DC



0.47"W x 0.22"H
(12mm x 5.5mm)

Project

Date



120°

FEATURES

- Very Flexible (Bend radius >1.2"/30.5mm)
- High Efficacy- 95 lm/W
- Fully Diffused Diodes
- 24V DC - Low Voltage, Class 2
- 32.8ft(10m) Continuous Runs
- 2700K, 3000K, 3500K, 4000K,5000K, 6500K
- Field Cuttable 1.96in (50mm)
- Dimmable
- UV/IR Protected Silicone Encapsulation
- IP40 or IP67 Wet Location
- UL Listed / cUL Listed / CE /ROHS
- 5 years / 50,000 hrs warranty

PART NUMBER & SPECIFICATIONS

COB Deco Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m	
044101	2700K	>90	36	118	32.8ft	10m	0.4	1.31
044102	3000K	>90	36	118	32.8ft	10m	0.4	1.31
044103	3500K	>90	38	125	32.8ft	10m	0.4	1.31
044104	4000K	>90	38	125	32.8ft	10m	0.4	1.31
044105	5000K	>90	38	125	32.8ft	10m	0.4	1.31
044106	6500K	>90	37	121	32.8ft	10m	0.4	1.31

COB Power Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m	
044201	2700K	>90	119	390	32.8ft	10m	1.34	4.4
044202	3000K	>90	121	397	32.8ft	10m	1.34	4.4
044203	3500K	>90	126	413	32.8ft	10m	1.34	4.4
044204	4000K	>90	127	417	32.8ft	10m	1.34	4.4
044205	5000K	>90	127	417	32.8ft	10m	1.34	4.4
044206	6500K	>90	123	404	32.8ft	10m	1.34	4.4

COB High Power Top

Part #	Color	CRI	lm/ft	lm/m	Max Run	W/ft	W/m	
044301	2700K	>90	202	663	32.8ft	10m	2.27	7.45
044302	3000K	>90	204	669	32.8ft	10m	2.27	7.45
044303	3500K	>90	213	669	32.8ft	10m	2.27	7.45
044304	4000K	>90	216	709	32.8ft	10m	2.27	7.45
044305	5000K	>90	216	709	32.8ft	10m	2.27	7.45
044306	6500K	>90	209	686	32.8ft	10m	2.27	7.45

ACCESSORIES



Top End Cap
IP40 / IP67
#044001



Starter Cable 16ft (4.8m)
IP40 / IP67
#044002



Jumper Connector 8in(203.2mm)
IP40 / IP67
#044004



Silicone IP67 Waterproofing Kit
#011521



IP67 Factory Waterproofing
#011508



Waterproof Mini J-Box
#PC-JBOX



Specifications may be modified or improved without notification

OrgaLED® COB Top DECO, POWER & HIGH POWER POWER SUPPLIES, MOUNTINGS & EXTRUSIONS



Project

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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

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 Mini J-Box

MOUNTING & EXTRUSIONS

Mounts directly with brackets, self adhesive transparent channels, or in aluminum extrusions.
For more extrusions, visit organiclighting.com.

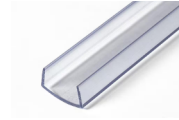


Aeris is an aluminum anodized IP68 encapsulated extrusion fixture. Can be suspended with low voltage cable suspension or mounted to surface.

- 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



PVC Clear Channel is lightweight and self adhesive.

- PVC Clear Channel 39in (1m)**
.57"W x .31"H (14.5 x 7.9mm)
#041007



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

- Aluminum Channel**
0.41" x 0.41" (10.4 x 10.4mm)
#012851
- Aluminum Channel Clip**
0.55" x 0.31" (14 x 7.9mm)
#012850



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

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CABLE REQUIREMENT

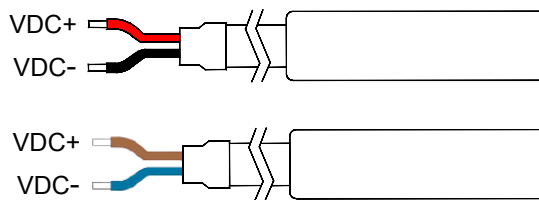


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The COB LED strips need a minimum voltage at the beginning of the LED strip to function according to the specifications. The table below gives an indication of the maximum cable length based on the cable thickness. The standard COB starter cable (20 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 and splice a larger gauge cable. Please contact your distributor for a detailed cable calculation.



Cable X Information	LED Strip	Max. Cable Length
		24 V
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 / 10.98m
	49.2 ft / 15m	20 ft / 6.1m
	65.6 ft / 20m	16 ft / 4.9m
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
	49.2 ft / 15m	35 ft / 10.67m
	65.6 ft / 20m	25 ft / 7.62m
16 AWG x 2	3.28 ft / 1m	914 ft / 278.6m
	16.4 ft / 5m	172 ft / 52.43m
	32.8 ft / 10m	90 ft / 27.43m
	49.2 ft / 15m	60 ft / 18.3m
	65.6 ft / 20m	40 ft / 12.2m
14 AWG x 2	3.28 ft / 1m	1521 ft / 463.6m
	16.4 ft / 5m	287 ft / 87.5m
	32.8 ft / 10m	140 ft / 42.67m
	49.2 ft / 15m	96 ft / 29.26m
	65.6 ft / 20m	70 ft / 21.34m

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