

OrgaLED® COB Top

DECO, POWER & HIGH POWER
24V DC



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

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
- 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

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

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



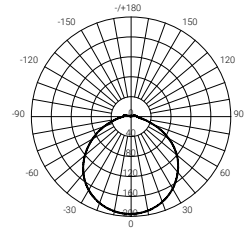
Specifications may be modified or improved without notification

Organic Lighting | 12203 Magnolia Avenue, Suite 1, Riverside CA 92503 | 626.969.6140 | www.organiclighting.com | 06/2025 V5

ORGANIC LIGHTING®

Project

Date



120°

ACCESSORIES



Top End Cap
IP40 / IP67
#051001



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



Jumper Connector 8in(203.2mm)
IP40 / IP67
#051004



Silicone IP67 Waterproofing Kit
#011521



IP67 Factory Waterproofing
#011508



Waterproof Mini J-Box
#PC-JBOX

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.

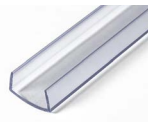


Aeris is an aluminum anodized IP68 encapsulated extrusion fixture. Can be suspended with low voltage cable suspension or mounted to surface.

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

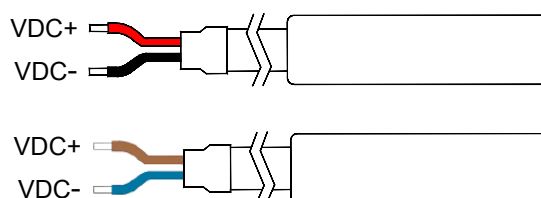


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The COB LED strips need a minimum voltage at the beginning of the LED strip to function according to the specifications. The table below gives an indication of the maximum cable length based on the cable thickness. The standard COB starter cable (20 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 16.4 ft / 5m 32.8 ft / 10m 49.2 ft / 15m 65.6 ft / 20m	303 ft / 92.35m 57 ft / 17.37m 36 ft / 10.98m 20 ft / 6.1m 16 ft / 4.9m
18 AWG x 2	3.28 ft / 1m 16.4 ft / 5m 32.8 ft / 10m 49.2 ft / 15m 65.6 ft / 20m	457 ft / 139.3m 86 ft / 26.21m 56 ft / 17.07m 35 ft / 10.67m 25 ft / 7.62m
16 AWG x 2	3.28 ft / 1m 16.4 ft / 5m 32.8 ft / 10m 49.2 ft / 15m 65.6 ft / 20m	914 ft / 278.6m 172 ft / 52.43m 90 ft / 27.43m 60 ft / 18.3m 40 ft / 12.2m
14 AWG x 2	3.28 ft / 1m 16.4 ft / 5m 32.8 ft / 10m 49.2 ft / 15m 65.6 ft / 20m	1521 ft / 463.6m 287 ft / 87.5m 140 ft / 42.67m 96 ft / 29.26m 70 ft / 21.34m