

OrgaLED® Diffuse - 24V DC

OrgaLED® Diffuse ½" Top



OrgaLED® Diffuse ¾" Top



OrgaLED® Diffuse Side (Asymmetric)



- OSRAM Duris E3
- 2400K, 2700K, 3000K, 4000K, 6500K
- IP69 with Mirror Welded connectors
- 24V DC
- Factory cuttable every 2"
- 6 LED's per cuttable section / 37 per foot
- Up to 33' continuous runs
- Bend Radius >5.9"

- Made in EU/USA
- ETL / CE
- 5 year limited warranty; 50,000hrs white, 100,000hrs color
- Dimmable 0-10V or Pulse Width Modulation
- UV/IR protected PVC encapsulation
- Hollow chamber extrusion protects phosphors

Diffuse Top Horizontal Curving



0.5" W x 0.70" H

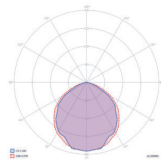


0.70" W x 0.70" H

Diffuse Side Vertical Curving



0.5" W x 0.70" H



PART NUMBER & SPECIFICATIONS

OrgaLED Diffuse ½" Top

Part#	Color	Current (A)	CRI	lm/ft	W/ft	Bin
011829	2400K	350mA	> 80	51	2.77	±50
011830	2700K	350mA	> 80	56	2.92	±50
011831	3000K	350mA	> 80	51	2.74	±50
011832	4000K	350mA	> 80	55	2.74	±50
011833	6500K	350mA	> 80	56	2.74	±50

OrgaLED Diffuse ¾" Top

Part #	Color	Current (A)	CRI	lm/ft	W/ft	Bin
011799	2400K	350mA	> 80	67	2.77	±50
011800	2700K	350mA	> 80	67	2.92	±50
011801	3000K	350mA	> 80	59	2.74	±50
011802	4000K	350mA	> 80	65	2.74	±50
011803	6500K	350mA	> 80	69	2.74	±50

OrgaLED Diffuse ½" Side

Part #	Color	Current (A)	CRI	lm/ft	W/ft	Bin
011819	2400K	350mA	> 80	31	2.77	±50
011820	2700K	350mA	> 80	34	2.92	±50
011821	3000K	350mA	> 80	31	2.74	±50
011822	4000K	350mA	> 80	35	2.74	±50
011823	6500K	350mA	> 80	34	2.74	±50

ORGANIC LIGHTING®

Project

Type

Date

ACCESSORIES

OrgaLED Diffuse offers a range of Mirror Welded IP68 connections to suit your every



½" Angled Connector 16'L #011261



¾" Angled Connector 16'L #011246



½" Straight Connector 16'L #011271



¾" Straight Connector 16'L #011251



½" Angled Extension, 10" Cord #011277



¾" Angled Extension, 10" Cord #011276



½" Straight Extension, 10" Cord #011279



¾" Straight Extension, 10" Cord #011278

POWER SUPPLIES

24V DC; 0-10V and Magnetic Power Supplies options ranging from 25W-300W.



0-10V; 120-277V
25W, IP20 #011380
40W, IP20 #011381
60W, IP67 #011382
75W, IP67 #011383
100W, IP67 #011384



Magnetic 0-10V; IP67
20W, 120V #011350
40W, 120V #011351
50W, 120V #011352
60W, 120V #011353
96W, 120V #011354
100W, 120V #011355
150W, 120V #011356
200W, 120V #011357
300W, 120V #011358
60W, 277V #011359
150W, 277V #011360

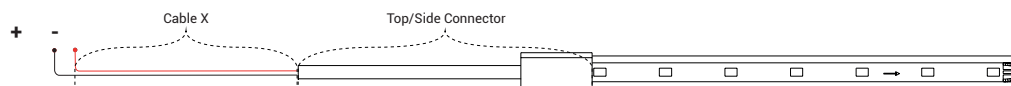


Specifications are correct at the time of publishing, but may be modified or improved in accordance with current electrical, safety or manufacturing methods without notification.

CABLE SELECTION OrgaLED® Diffuse

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 a OrgaLED® Top diffuse connector with a cable length of 3ft.

In case the required length is larger than the length mentioned in this table, 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 2400K-6500K	
		@ 24 VDC	@ 25 VDC
20 AWG x 2	3.28 ft	110 ft	215 ft
	16.4 ft	18 ft	39 ft
	32.8 ft	7 ft	17 ft
18 AWG x 2	3.28 ft	165 ft	323 ft
	16.4 ft	28 ft	59 ft
	32.8 ft	10 ft	26 ft
16 AWG x 2	3.28 ft	331 ft	647 ft
	16.4 ft	56 ft	119 ft
	32.8 ft	21 ft	53 ft
14 AWG x 2	3.28 ft	550 ft	1077 ft
	16.4 ft	93 ft	198 ft
	32.8 ft	36 ft	88 ft

Project

Type

Date

MOUNTING AND EXTRUSIONS

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



PET Channel 1/2"
#011369



PET Channel 1/2"
#011368



PET Channel 3/4"
#011370



PET Channel 3/4"
#011372



Aluminum Channel
#012851
Aluminum Channel Clip
#012850
* fits 1/2", but does not sit flush



Specifications are correct at the time of publishing, but may be modified or improved in accordance with current electrical, safety or manufacturing methods without notification.