

OCTANE

Architectural Troffer



DESCRIPTION

The Octane Architectural Troffer is a versatile LED lighting fixture designed for offices, schools, retail, and healthcare spaces, available in 1'x4', 2'x2', and 2'x4' sizes with adjustable wattage and color temperature (3500K/4000K/5000K). Features high efficacy up to 125 lm/W, multiple dimming and emergency options, and is compatible with surface or recessed/flange mounting kits for flexible installation in low-plenum environments.

APPLICATION

Perfect for a wide range of indoor environments, including offices, schools, hospitals, hotels, supermarkets, retail locations and other indoor lighting needs. Designed for exceptional performance, this fixture enhances any space with its reliable illumination.

LENGTH

Octane Architectural Troffer comes in 1'x4', 2'x2', and 2'x4' sizes to fit standard ceiling grid layouts.

FEATURES

- Max Run Wattage
- CRI options 80+
- 0-10V Dimming to 10%
- Field and factory-installed emergency inverters (6W, 8W, 12W)

CONSTRUCTION

Aluminum housing acting as the heat sink to maximize life. Damp rated in operating ambient temperatures of -20°C - 40°C.

MOUNTING

Available in a surface and recessed/flange mounting options, with kits available for 1'x4', 2'x2', and 2'x4' fixture sizes.

WARRANTY

5 year warranty standard. Optional 10 year warranty available upon request.

*IES Files available upon request or visit vivid-forms.com



ORDERING INFORMATION

Series	Size / Wattage Package	Voltage	Color temperature	Control

Accessories

ordered separately

Series	Size / Wattage Package	Voltage	Color temperature	Control
OAT Octane Architectural Troffer	14 - 1'X4' 22 - 2'X2'	U - 110-277V	3CCT - Color Temperature Selectable 3500K/4000K/5000K/	D10 - 0-10V
	24 - 2'X4'			

ACCESSORIES

Options

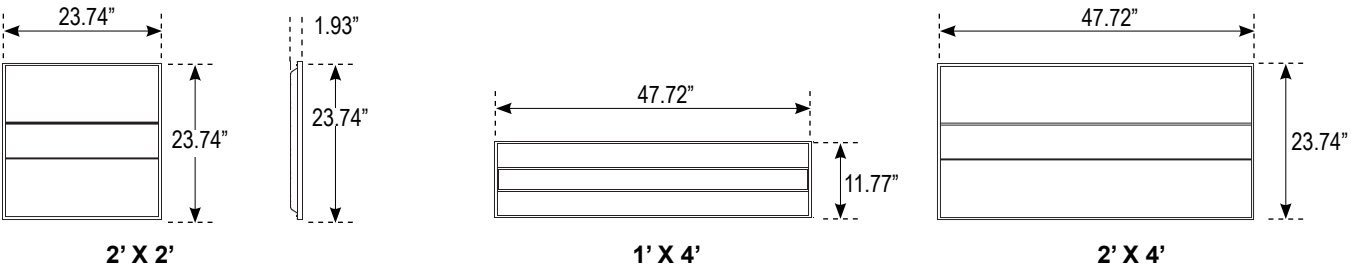
- EM12 - Field installed 12W inverter
- EM8 - Field installed 8W inverter
- EMF1 - Factory installed 6W Emergency Battery
- OCCPIR - Line Voltage PIR Sensor (Field Installed)
- SMK - Surface Mount Kit
- FLGK - Recessed/Flange Mount Kit

PERFORMANCE

Dimension	Wattage Adjustable	Lumen Output			Efficacy	CCT Adjustable
		High	Medium	Low		
2'x2'	35W/30W/25W	4300lm	3700lm	3100lm	Up to 125lm/w	3500K/4000K/5000K
2'x4'	50W/40W/30W	6200lm	5000lm	3700lm	Up to 125lm/w	3500K/4000K/5000K

All efficacy is ±5% base on different CCT and wattage. Check the IES file to gain the accurate data.

DIMENSION



AVAILABLE OPTIONS & ACCESSORIES



EMB12 (EM12) Field installed
12W inverter



EMB8 (EM8) Field installed
8W inverter



(EMFI)
Factory installed 6W
emergency backup



OCCPIR Line Voltage
PIR Sensor (Field
Installed)

*Sold Separately



1 X 4 • SMK-1X4
2 X 2 • SMK-2X2
2 X 4 • SMK-2X4
Surface Mount Kit

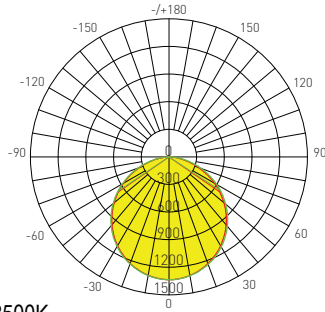


1 X 4 • FLG-1X4
2 X 2 • FLG-2X2
2 X 4 • FLG-2X4
Recessed/Flange Mount Kit

*Sold Separately

*Sold Separately

PHOTOMETRICS



2' X 2' / 3500K

Average Beam Angle (50%) : 111.7°

Lumen:3747 lm

Input Watts: 33.80W

Efficacy:110.86lm/W

Zonal Flux Diagram

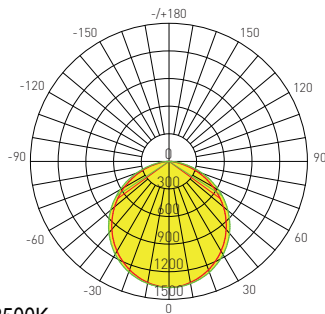
Y	C0	C45	C90	C135	C180
10	1308	1309	1311	1307	1306
20	1233	1236	1242	1233	1232
30	1118	1121	1132	1118	1115
40	964.2	968.6	983.4	966.3	961.9
50	777.6	785.4	802.5	783.2	777.2
60	566.6	575.9	594.9	575.0	568.6
70	344.4	354.0	372.1	354.2	346.5
80	128.7	139.2	154.9	139.9	132.6
90	0	0	0	0	0
100	0	0	0	0	0
110	0	0	0	0	0
120	1.021	0.0582	0.0031	0.0692	0.3140
130	1.326	0.1745	1.151	0.0346	0.9394
140	1.302	0	1.281	0	1.406
150	1.213	0	0.7683	0	1.452
160	0.8069	0	0.7699	0	1.452
170	1.023	0.1111	0.7715	0	1.452
180	1.196	0.1708	0.9402	0	1.452
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	Φ Total
0-10	126.1
10-20	486.2
20-30	1031
30-40	1686
40-50	2364
50-60	2972
60-70	3430
70-80	3686
80-90	3745
90-100	3745
100-110	3745
110-120	3745
120-130	3746
130-140	3746
140-150	3747
150-160	3747
160-170	3747
170-180	3747
UNIT: lm	

Zonal Lumens

G(DEG)	C0/180	C90/270
85	4616	6897
80	7416	8919
75	8994	10072
70	10072	10875
65	10794	11451
60	11335	11895
55	11773	12229
50	12101	12481
45	12370	12675



1' X 4' / 3500K

Average Beam Angle (50%) : 110.8°

Lumen:3786.8 lm

Input Watts: 33.72W

Efficacy:112.30lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	1336	1347	1348	1340	1336
20	1254	1271	1281	1261	1252
30	1127	1150	1170	1138	1126
40	963.6	989.3	1020	978.3	964.1
50	769.5	795.2	834.4	786.5	771.1
60	551.3	576.8	620.4	571.2	554.9
70	322.2	345.0	387.4	343.2	327.4
80	102.7	128.4	159.0	128.4	111.3
90	0	0.0247	0.5103	0.0435	0
100	0	0	0.5118	0	0
110	0	0	0.5112	0	0
120	0	0.3431	0	0	0
130	0	0.5709	0	0.2935	0.2782
140	0	0.7287	0	0.4054	0.4477
150	0.0863	1.378	0	0.5128	0.6047
160	0.3184	1.551	0	1.301	0.7618
170	1.149	2.584	0.0846	0.398	1.383
180	1.209	2.671	0	2.658	1.468
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	Φ Total
0-10	129.4
10-20	498.5
20-30	1056
30-40	1724
40-50	2412
50-60	3025
60-70	3482
70-80	3729
80-90	3784
90-100	3784
100-110	3785
110-120	3785
120-130	3785
130-140	3785
140-150	3786
150-160	3786
160-170	3787
170-180	3787
UNIT: lm	

Zonal Lumens

G(DEG)	C0/180	C90/270
85	4497	7271
80	5915	9158
75	8087	10431
70	9427	11330
65	10340	11958
60	11033	12412
55	11548	12744
50	11979	12985
45	12309	13172