

Floating Curved Troffer

Up to 125 lm/w | CCT & Wattage Adjustable



Designed to deliver an unprecedented uniformity and functionality, this floating curved troffer features a compact yet sturdy aluminum construction designed to blend into modern architectural spaces. Featuring a low profile form factor, it is ideal for buildings with a low plenum space and is suitable for all standard 2x2 or 2x4 grid ceilings. This creates a soft and comfortable lighting experience for commercial and institutional spaces including open offices, classrooms, retail and healthcare facilities, goes beyond what was previously possible with traditional LED luminaires.



Feature

- Low profile design
- Uniform and soft illumination with back-lit technology
- CCT adjustable from 3500k, 4000k and 5000k
- Wattage selectable, up to 125lm/w



*DesignLights Consortium Qualified and classified for DLC standard/premium, refer to www.designlights.org for details

PERFORMANCE

Model NO.	Dimension	Wattage Adjustable	Lumen Output			Efficacy	CCT Adjustable
			High	Medium	Low		
TR22-DM-TWTP	2'x2'	35W/30W/25W	4300lm	3700lm	3100lm	Up to 125lm/w	3500K/4000K/5000K
TR24-DM-TWTP	2'x4'	50W/40W/30W	6200lm	5000lm	3700lm	Up to 125lm/w	3500K/4000K/5000K

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

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PRODUCT PERFORMANCE

Finish

Extruded aluminum housing with powder coat white finish provides long term performance and superior aesthetic.

Electrical

LED Driver	It is powered by Class 2 high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls. Tested Dimmers: Lutron ® Diva-Dvtv, Leviton ® IP-710-DL.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic driver is UL recognized and available for 110-277V or 110-347V AC.

LED System

CRI	Minimum 80 color rendering index
CCT	CCT adjustable from 3500K, 4000K and 5000K with a great color consistency
LED	life Minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Damp rated in operating ambient temperatures of -20~40°C.

Mounting

Recessed

Approvals

- cULus listed for damp locations
- CCEA Option
- Tested to IESNA LM-79 and LM-80
- DesignLights Consortium Qualified and classified for DLC standard/premium, refer to www.designlights.org for details
- 5 years limited warranty

Optional Function

Emergency Option Optional high voltage 8W emergency LED driver EM-H08170-LBF can be provided. When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements. For more info or spec sheet, please visit www.oktlighting.com or contact sales.

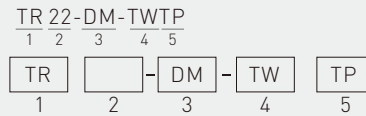


Emergency Lumen Output:

Fixture Efficacy	Output Power 8w
125lm/w	1000 Lumens

PRODUCT ORDERING GUIDE

Sample



1. Base Model

TR Floating Curved Troffer

2. Size

- 22 2'X2'
 24 2'X4'

3. Dimming

DM 1-10V Dimming

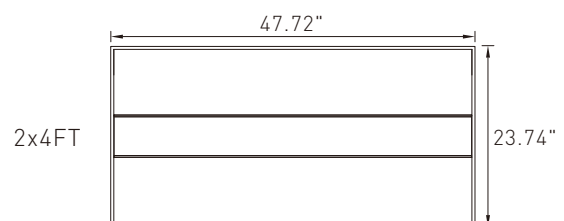
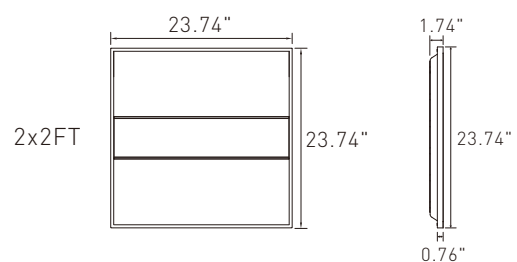
4. CCT

TW CCT adjustable from 3500K, 4000K and 5000K.

5. Efficacy

TP 125lm/w

DIMENSION



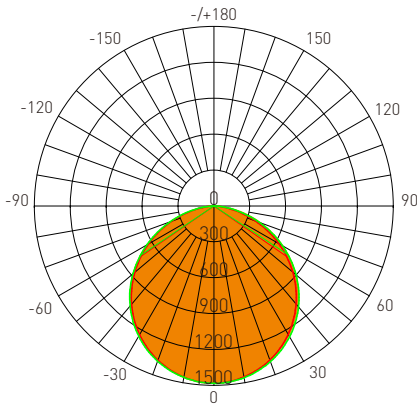
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DISTRIBUTION DIAGRAM

2'x2' / 3500K



AVERAGE BEAM ANGLE(50%): 111.7°

Test Number: TR22-DM-TWTP UNIT: cd
 Lumens: 4150.6 Lm — C0/180,110.5°
 Watts: 33.33 W — C90/270,112.8°
 LPW: 124.53 Lm/W
 CCT: 3500K

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1450	1453	1457	1453	1453
20	1370	1373	1384	1374	1372
30	1241	1247	1264	1248	1243
40	1070	1078	1101	1079	1072
50	860.4	872.3	897.3	873.8	864.0
60	624.0	635.7	660.6	638.2	629.9
70	372.8	383.4	406.9	386.8	377.2
80	133.4	143.2	161.2	144.8	137.7
90	0.0021	0.0154	0	0.0186	0
100	0	0.0855	0.0843	0	0
110	0.3419	0.3454	0.2090	0.1235	0
120	1.234	0.7687	0.4805	0.6007	0.5619
130	1.357	0.7823	1.200	0.7923	1.112
140	1.363	0.0046	1.456	0.1699	1.539
150	1.370	0	1.029	0	1.539
160	0.9420	0	1.029	0	1.539
170	1.227	0	1.030	0	1.539
180	1.368	0	1.285	0	1.539
DEG	LUMINOUS INTENSITY:cd				

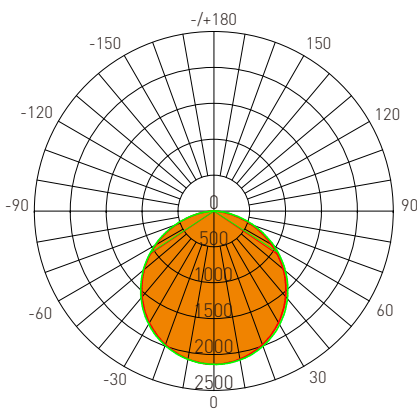
Zonal Lumens

τ	φ total
0-10	140.1
10-20	540.7
20-30	1147
30-40	1878
40-50	2633
50-60	3309
60-70	3813
70-80	4087
80-90	4147
90-100	4147
100-110	4147
110-120	4148
120-130	4148
130-140	4149
140-150	4150
150-160	4150
160-170	4151
170-180	4151
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	4593	6975
80	7692	9281
75	9546	10793
70	10911	11889
65	11823	12647
60	12493	13205
55	13012	13623
50	13399	13952
45	13717	14196

2'x4' / 3500K



AVERAGE BEAM ANGLE(50%): 112.7°

Test Number: TR24-DM-TWTP UNIT: cd
 Lumens: 6069.9 Lm — C0/180,111.8°
 Watts: 48.04 W — C30/270,113.6°
 LPW: 126.34 Lm/W
 CCT: 3500K

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	2094	2110	2106	2095	2093
20	1979	2006	2002	1983	1978
30	1797	1827	1830	1802	1798
40	1555	1584	1593	1562	1558
50	1259	1285	1300	1268	1267
60	919.8	941.1	964.0	933.4	932.7
70	556.8	573.5	599.4	572.1	571.6
80	201.0	221.6	243.3	222.2	216.3
90	0.1136	0.7697	1.433	0.5891	0
100	0	0.7102	1.305	0.4701	0
110	0.3406	1.044	1.359	0.9808	0.6507
120	1.235	1.248	0.2519	1.237	1.040
130	1.347	1.061	0.1689	1.118	1.372
140	1.370	0.1701	0.1689	1.118	1.372
150	1.113	0	0.1689	0	1.455
160	0.9550	0	0.1689	0.0001	1.455
170	1.444	0	0.1689	0	1.455
180	1.370	0	0.1689	0	1.455
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-10	202.0
10-20	780.6
20-30	1659
30-40	2719
40-50	3819
50-60	4809
60-70	5556
70-80	5969
80-90	6065
90-100	6066
100-110	6067
110-120	6068
120-130	6068
130-140	6069
140-150	6069
150-160	6070
160-170	6070
170-180	6070
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	7292	11045
80	11592	14002
75	14422	16033
70	16302	17511
65	17525	18515
60	18421	19266
55	19103	19801
50	19614	20210
45	20004	20531