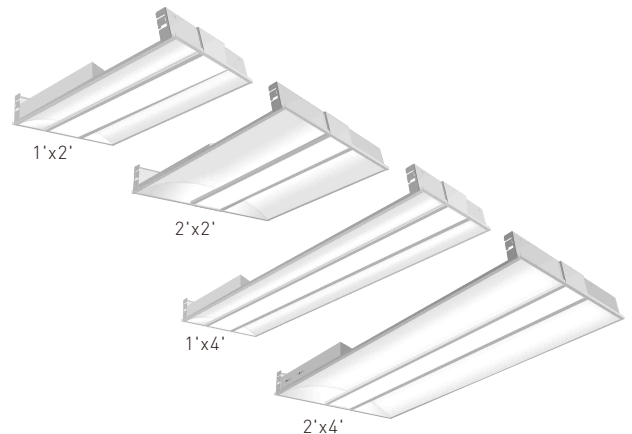


Floating Air Troffer

CCT & Wattage Adjustable Version



The indirect LED troffer offers a traditional modern design with the latest lighting technology. Transparent optics engineered specifically for LED sources are integrated with minimalist design and architectural materials to create a broad range of solutions with superior optical and energy performance. High performing optics allows for maximum energy savings and optimal illumination in a ultra-minimalistic shallow recessed fixture, provides a unique translucent appearance without sacrificing performance. It is architectural recessed lighting solution that compatible for commercial and institutional environments, including office building, medical, health, educational, retail, hotel, airport, hospitality, etc.



Feature

- UL, cUL Listed, DLC Qualification, Damp Rated
- Available in 1x2ft, 1x4ft, 2x2ft and 2x4ft sizes
- Transparent optics
- 0-10V dimming, dim to 10% or 1% options
- Wattage selectable, up to 120lm/w
- CCT adjustable from 3000K, 3500K and 4000K, 90+ CRI
- Recessed form factor fits most T-grid ceiling systems

US PATENT
US D921,955 S



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



PERFORMANCE

Model NO.	Dimension	Wattage Selectable	Lumen @4000K	Efficacy@4000K	CCT Adjustable
TT12-DM-04W	1'x2'	20W/15W/10W	Up to 2400lm	Up to 120lm/w	3000K/3500K/4000K
TT14-DM-04W	1'x4'	40W/30W/20W	Up to 4800lm	DLC Standard Up to 120lm/w	
TT22-DM-04W	2'x2'	40W/30W/20W	Up to 4800lm		
TT24-DM-04W	2'x4'	50W/40W/30W	Up to 6000lm		

Lumen output may vary by ±5% based on different CCT and wattage settings. Actual wattage may also vary by ±5%.

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PRODUCT ORDERING GUIDE

Example: TT22-DM-04W

Default Settings: Highest Wattage, 3500K

TT		DM		04		W
Product Series	Size	0-10V Dim		CCT		Wattage
TT Floating Air LED Troffer	12 QuickShip 1'X2', Up to 2400lm, 80+CRI Only Wattage Selectable (20W, 15W, 10W) 14 QuickShip 1'X4', Up to 4800lm Wattage Selectable (40W, 30W, 20W) 22 QuickShip 2'X2', Up to 4800lm Wattage Selectable (40W, 30W, 20W) 24 QuickShip 2'X4', Up to 6000lm Wattage Selectable (50W, 40W, 30W)	DM QuickShip 110-277V AC Dims to 10% or 1%		04 QuickShip CCT Adjustable 3000K, 3500K, 4000K		W QuickShip Wattage Selectable

OPTIONAL ORDERING GUIDE

Optional 0-10V Dimming	Optional Emergency	Optional Sensor (See Page 3 For More)	
D10 QuickShip 110-277V AC, Dims to 10% (Standard) Tested Dimmers: Lutron® Diva-Dvtv, Leviton® IP-710-DL.	EMI-8W QuickShip Built-in 8w LED emergency driver and indicator before delivery.	Dimming Only OCC-DM-RFM Make to order OCC-DM-RSM QuickShip OCC-DM-AFM Make to order OCC-DM-ASM QuickShip OCC-DM-KFM Make to order OCC-DM-KSM QuickShip	Dimming and Tunable White OCC-DT-RFM Make to order OCC-DT-RSM QuickShip OCC-DT-AFM Make to order OCC-DT-ASM QuickShip OCC-DT-KFM Make to order OCC-DT-KSM QuickShip
D01 QuickShip 110-277V AC, Dim to 1%	EME-16W QuickShip External 16W Emergency (Field-installed) EME-25W QuickShip External 25W Emergency (Field-installed)		

PRODUCT PERFORMANCE

➤ Optics

It offers unique transparent optics to enhance the fixture aesthetic. fully- uniform transparent optics provide uniform, illumination for a clean, modern, upgraded look, creating direct and indirect light distribution.



➤ Construction

Extruded aluminum housing.

➤ Finish

Powder coat white finish provides uniform finish providing long term performance and superior aesthetic.

➤ Electrical

LED Driver	It is powered by Class 2 high efficiency LED driver, with a standard 0-10V dimming which continuous dims to 10% that works with many types of controls. Tested Dimmers: Lutron® Diva-Dvtv, Leviton® IP-710-DL. Dim to 1% is available.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic drivers are cULus recognized and available for 110-277V.

➤ LED System

CRI	Minimum 90 color rendering index
CCT	CCT adjustable from 3000K, 3500K and 4000K 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°C~40°C.

➤ T-grids Ceiling Compatibility

It is architectural recessed lighting solution that compatible with most 15/16" and 9/16" t-grid systems for commercial and institutional environment.

➤ Approvals

- US Patent (US D921,955 S)
- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- DesignLights Consortium Qualified and classified for DLC Standard, refer to www.designlights.org for details
- 5-year Limited Warranty

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OPTIONAL EMERGENCY

► Emergency Options

Location	Wiring Type	Emergency Options	
EMI Built-in EM	DC Wiring	☐ EM-S0854-RBN QuickShip Built-in 8w LED emergency driver and indicator before delivery. 90+ minutes runtime during outages	
EME External Wiring in Field	AC Wiring	☐ EM-H16170-RBF QuickShip ☐ EM-H25170-RBF QuickShip Emergency - External External 16w or 25w LED emergency driver with standard indicator available and need field-installed. 90+ minutes runtime during outages.	

For more info or spec sheet please visit <https://www.oktlighting.com/collections/LED-emergency-driver> or contact sales.

OPTIONAL SENSOR

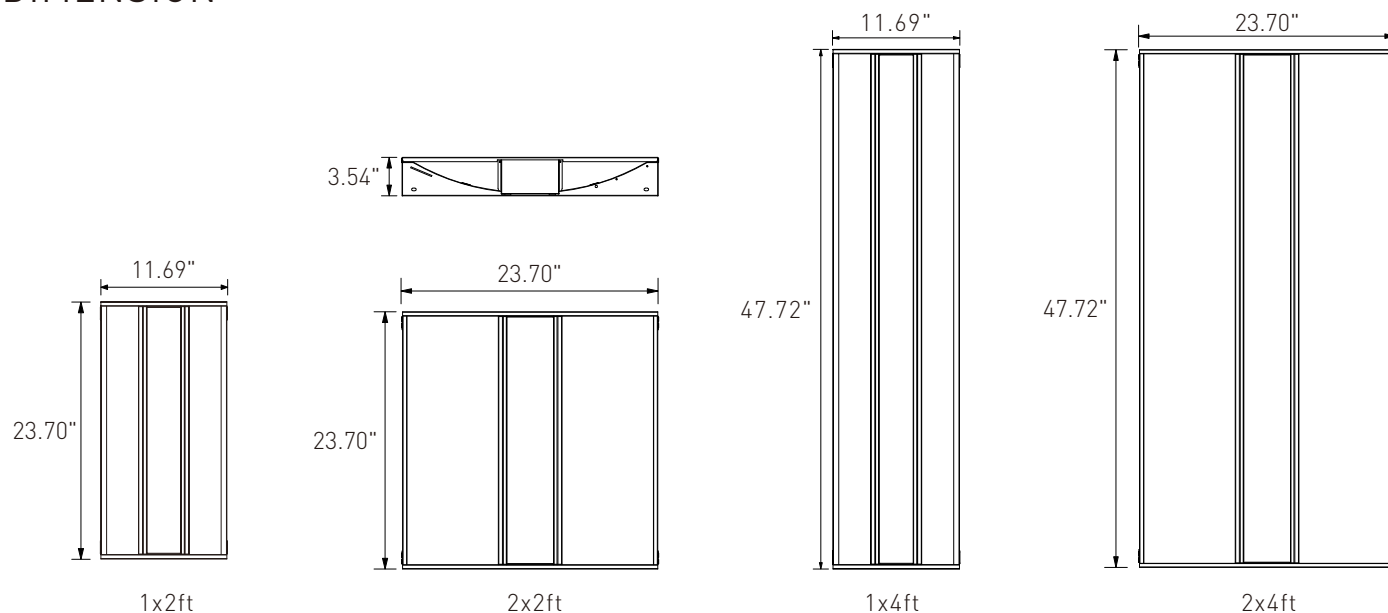
► Integral Sensor Options

Function	Sensor Brand	Sensor Options	
Dimming Only	LUTRON Athena Controller Control	☐ A-WN-D01-RF-WH Athena wireless node (RF only)	☐ OCC-DM-RFM Front-mounted Sensor Make to order ☐ OCC-DM-RSM Side-mounted Sensor QuickShip
		☐ A-WN-D01-OCC-WH Athena wireless node with sensor	☐ OCC-DM-AFM Front-mounted Sensor Make to order ☐ OCC-DM-ASM Side-mounted Sensor QuickShip
	Keilton	☐ IFS105SE.B2 (App) Integrated Round 12V Sensor Dual 0-10V, with 4-pin Socket	☐ OCC-DM-KFM Front-mounted Sensor Make to order ☐ OCC-DM-KSM Side-mounted Sensor QuickShip
Dimming and Tunable White (3000K-4000K)	LUTRON Athena Controller Control	☐ A-WN-D01-RF-WH Athena wireless node (RF only)	☐ OCC-DT-RFM Front-mounted Sensor Make to order ☐ OCC-DT-RSM Side-mounted Sensor QuickShip
		☐ A-WN-D01-OCC-WH Athena wireless node with sensor	☐ OCC-DT-AFM Front-mounted Sensor Make to order ☐ OCC-DT-ASM Side-mounted Sensor QuickShip
	Keilton	☐ IFS105SE.B2 (App) Integrated Round 12V Sensor Dual 0-10V, with 4-pin Socket	☐ OCC-DT-KFM Front-mounted Sensor Make to order ☐ OCC-DT-KSM Side-mounted Sensor QuickShip

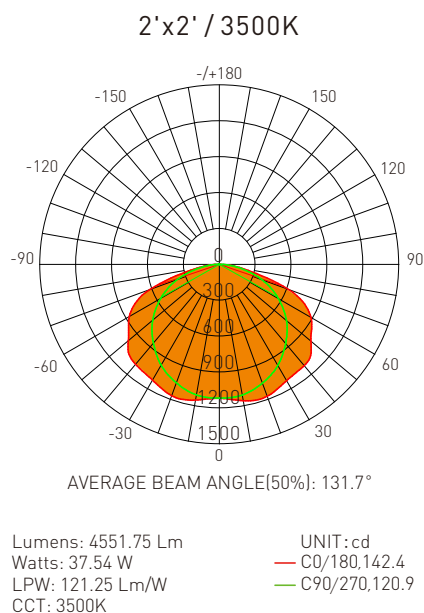
CCT & Wattage Adjustable Version



DIMENSION



DISTRIBUTION DIAGRAM



T	C0	C45	C90	C135	C180
10	1157	1135	1109	1132	1152
20	1173	1137	1056	1130	1168
30	1124	1084	977.9	1075	1118
40	1105	998.6	863.3	985.1	1090
50	999.8	923.2	733.5	902.0	992.9
60	883.4	772.7	570.2	758.8	868.6
70	615.3	567.1	381.9	552.9	618.6
80	191.9	213.5	168.0	217.0	190.9
90	1.700	1.859	1.366	1.957	2.187
100	2.024	1.918	1.081	1.844	1.101
110	3.018	2.687	1.908	2.654	1.854
120	3.523	2.799	2.082	2.732	1.920
130	3.279	2.414	2.692	2.378	1.938
140	2.295	1.607	2.463	1.499	1.956
150	2.206	0.8639	2.039	0.9721	1.678
160	1.662	0.8615	2.106	1.014	1.721
170	1.850	1.026	2.062	1.154	1.711
180	1.683	1.091	2.463	1.269	1.680
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		Luminance cd/(m2)		
T	Φ total	G[DEG]	C0/180	C90/270
0-10	107.6	85	10615	8417
10-20	428.0	80	11061	9663
20-30	935.2	75	14172	10589
30-40	1579	70	18004	11156
40-50	2310	65	18637	11393
50-60	3044	60	17682	11393
60-70	3686	55	16434	11394
70-80	4070	50	15566	11400
80-90	4164	45	15284	11333
90-100	4166			
100-110	4168			
110-120	4170			
120-130	4172			
130-140	4174			
140-150	4175			
150-160	4176			
160-170	4176			
170-180	4176			