

CCT & Wattage Adjustable With Built-in Emergency 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

Build-in LED emergency driver
Available in 2x2 and 2x4 sizes
Transparent Optics
Wattage selectable, 110lm/w
CCT adjustable from 3000K, 3500K and 4000K
Recessed form factor fits most T-grid systems













PERFORMANCE

Model NO.	Dimension	Wattage Adjustable	Lumen Output		Emergency Performance				
			High	Medium	Low	Output Power	Output Voltage	Recharge	Emergency Operation
TT22-DM-04W	2'x2'	40W/30W/20W	4400lm	3300lm	2200lm	8W	15~54VDC	24 Hrs	≽90 Minutes
TT24-DM-04W	2'x4'	50W/40W/30W	5500lm	4400lm	3300lm	8W	15~54VDC	24 Hrs	≽90 Minutes

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

@OKT Lighting. All right reserved. Product design and development is an ongoing process by OKT Lighting. We reserve the right to change specifications. Contact OKT for the latest product information or visit www.oktlighting.com / www.oktusa.com for more.

CCT & Wattage Adjustable With Built-in Emergency Version



PRODUCT PERFORMANCE

Optics

It offers unique transparent optics to enhance the fixture aesthetic. fully-uniform transparent optics provide uniform, low-glare 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 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

Input Voltage Standard electronic drivers are cULus recognized

and available for 110-277V AC.

LED System

CRI	Minimum 80 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.

Aluminum housing acting as the heat sink Thermal

Management to maximize life.

Damp rated in operating ambient Environment

temperatures of -20°C~40°C .

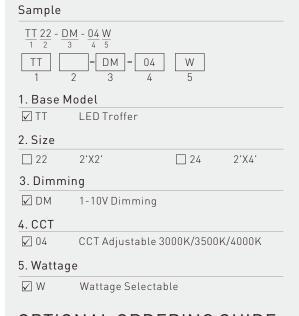
Mounting

Recessed

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

PRODUCT ORDERING GUIDE



OPTIONAL ORDERING GUIDE

Optional Function

□ LED Emergency Driver (Order Separated)

Sensor *

*Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

Specification For LED Emergency Driver

Output Power	8 Watts
Output Voltage	15-54V DC
Input Current	70 mA (Max)
Input Power	3.2 Watts (Max)
Input Voltage	110-277VAC, 50-60Hz
Emergency Operation	≽90 Minutes
Standby Power	< 0.4W
Operating Temp	0°C to 50°C
Battery	Lithium
Recharge	24 Hrs
Compatible LED Luminaire	LED Driver Output Current: 5A Max
Dimensions	Driver: L5.08"×W2.05"×H0.99", Battery: L3.47"×W2.33"×H0.97"
Certificate	UL,CEC
Output Class	UL LELV (Output protection self-resetting)

Code-Required Testing

• Initial Self-Test After Installation

It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.

• Second Self-Test In 120 Minutes

sales@okt-led.com

It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.

• Monthly Self-Test

It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.

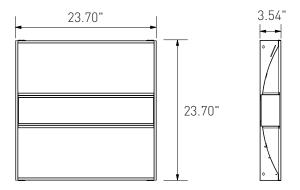
@OKT Lighting. All right reserved. Product design and development is an ongoing process by OKT Lighting. We reserve the right to change specifications. Contact OKT for the latest product information or visit www.oktlighting.com/www.oktusa.com for more.

CCT & Wattage Adjustable With Built-in Emergency Version

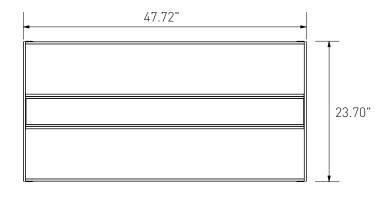


DIMENSION

2x2ft



2x4ft



T-GRIDS CEILING COMPATIBILITY

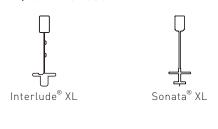
It is architectural recessed lighting solution that compatible with most 15/16" and 9/16" t-grid systems for commercial and institutional environment. The following are only as some common examples to show.



9/16" Slot



9/16" Interlude



15/16" Flat



^{*}Please verify compatibility with factory.

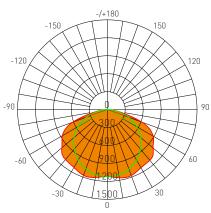
 $\texttt{GOKT Lighting. All right reserved. Product design and development is an ongoing process by \texttt{OKT Lighting. We reserve the right to change specifications. Contact \texttt{OKT for the latest product information or visit www.oktlighting.com/www.oktusa.com for more.} \\$

CCT & Wattage Adjustable With Built-in Emergency Version



DISTRIBUTION DIAGRAM

2'x2'/3500K



AVERAGE BEAM ANGLE(50%): 131.7°

Test Number: TT22-DM-04W Lumens: 4176.3 Lm Watts: 37.54 W LPW: 111.25 Lm/W

CCT: 3500K

UNIT:cd — C0/180,142.4 — C90/270,120.9

Zonal Flux Diagram

Υ	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					

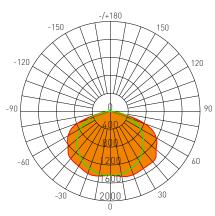
Zonal Lumens

Υ	φ total			
0-10	107.6			
10-20	428.0			
20-30	935.2			
30-40	1579			
40-50	2310			
50-60	3044			
60-70	3686			
70-80	4070			
80-90	4164			
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			
UNIT: lm				

Luminance cd/(m2)

Ediffinance cu/(fitz)					
G(DEG)	C0/180	C90/270			
85	10615	8417			
80	11061	9663			
75	14172	10589			
70	18004	11156			
65	18637	11393			
60	17682	11393			
55	16434	11394			
50	15566	11400			
45	15284	11333			

2'x4'/3500K



AVERAGE BEAM ANGLE(50%): 133.4°

Test Number: TT24-DM-04W Lumens: 5460.4 Lm Watts: 48.81 W LPW: 111.87 Lm/W CCT: 3500K UNIT: cd — C0/180,142.8 — C90/270,124.1

Zonal Flux Diagram

Υ	C0	C45	C90	C135	C180	
10	1476	1453	1419	1442	1467	
20	1506	1462	1356	1431	1475	
30	1475	1412	1264	1363	1415	
40	1472	1332	1124	1261	1380	
50	1334	1257	965.4	1162	1233	
60	1183	1052	764.1	969.1	1087	
70	829.5	785.9	526.3	724.8	776.3	
80	233.4	277.8	238.8	270.1	223.4	
90	1.578	2.350	14.28	2.462	1.629	
100	1.451	2.109	2.911	2.214	1.815	
110	2.116	2.843	2.507	2.676	2.042	
120	2.355	2.863	1.316	2.762	2.115	
130	2.238	2.051	1.134	1.924	1.950	
140	1.839	1.085	0.9668	0.8426	1.870	
150	1.415	0.7827	0.9557	0.7437	1.752	
160	1.088	0.7829	1.002	0.7228	1.633	
170	1.312	0.8800	1.262	0.9410	1.667	
180	1.390	0.9644	1.314	1.081	1.632	
DEG	LUMINOUS INTENSITY:cd					

Zonal Lumens

Υ	φ total
0-10	137.5
10-20	546.5
20-30	1197
30-40	2032
40-50	2987
50-60	3952
60-70	4807
70-80	5325
80-90	5448
90-100	5451
100-110	5454
110-120	5456
120-130	5458
130-140	5459
140-150	5459
150-160	5460
160-170	5460
170-180	5460
UNI	Γ: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	11179	12390
80	13456	13747
75	18946	14805
70	24285	15384
65	24922	15466
60	23686	15279
55	22066	15111
50	20773	15016
45	20368	14854

@OKT Lighting. All right reserved. Product design and development is an ongoing process by OKT Lighting. We reserve the right to change specifications. Contact OKT for the latest product information or visit www.oktlighting.com / www.oktusa.com for more.