Back-lit LED | CCT & Wattage Adjustable | Emergency





OKT Lighting's back-lit LED panel offers the built-in led emergency driver to provide critical illumination when normal power fails for any reason. Designed to deliver an unprecedented uniformity and functionality, it 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, 1X4 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.



















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

FEATURE

- Low profile design
- Uniform and soft illumination with back-lit technology
- CCT adjustable from 3500k,4000k and 5000k
- Wattage selectable, 110lm/W DLC standard or 125lm/w DLC premium *
- Save your shipping cost.
- Longer driver box with built-in LED emergency driver with the same package as standard.
- Save your labor cost with simple wiring.
- More secure with code-required testing

PERFORMANCE

•	ERI ORAMITOE							
	Cizo	ze Wattage Selectable	Efficacy	CCT Adjustable	Emergency Performance			
5	3126				Output Power	Output Voltage	Recharge	Emergency Operation
	2'x2'	35W/30W/25W	110lm/w or 125lm/w	3500K/4000K/5000K	6W	30~54VDC	24 Hrs	≽90 Minutes
	1'x4'	35W/30W/25W	110lm/w or 125lm/w	3500K/4000K/5000K				
	2'x4'	50W/40W/30W	110lm/w or 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 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 Aluminum housing acting as the heat sink to

Management maximize life.

Environment Damp rated in operating ambient temperatures

of -0℃~50℃.

▶ Mounting

Recessed

Approvals

- cULus listed for damp locations
- 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

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.

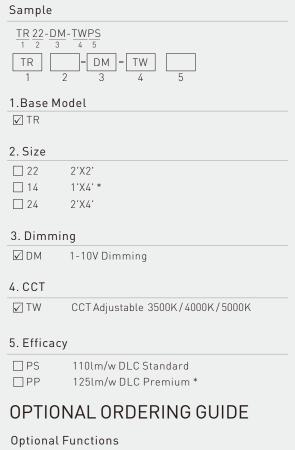
• Second Self-Test In 120 Minutes

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.

PRODUCT ORDERING GUIDE



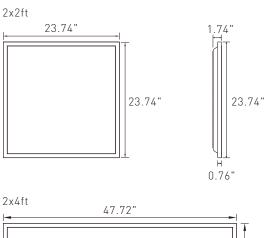
*Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

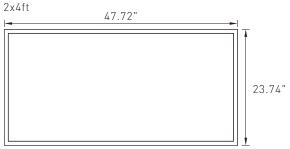
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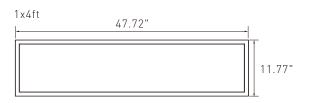
December 01, 2022



DIMENSION

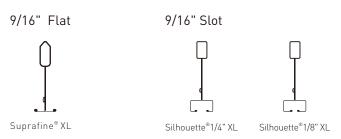


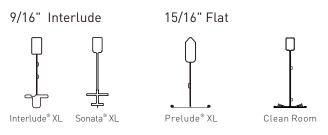




T-GRIDS CEILING COMPATIBILITY

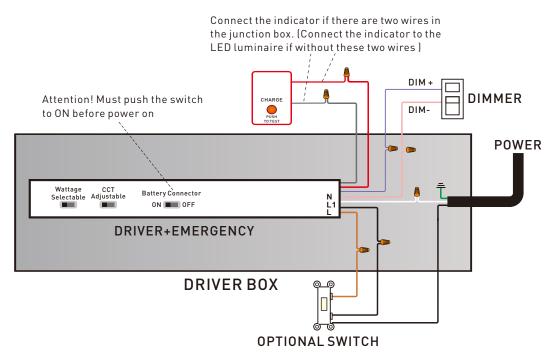
It is architectural recessed lighting solution that compatible with most 15/16" and 9/16" t-grid systems for commercial and institutional environment. The following are only as some common examples to show.





^{*}Please verify compatibility with factory.

WIRING



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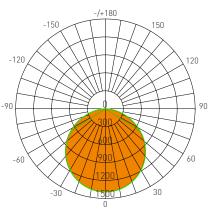
December 01, 2022

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DISTRIBUTION DIAGRAM

2'X2' / 3500K



AVERAGE BEAM ANGLE(50%): 113.8°

Test Number: TR22-DM-TWPS

LPW: 118.24 Lm/W CCT: 3500K

— C30/270,113.7°

UNIT:cd - C0/180,113.8°

Zonal Flux Diagram

Υ	C0	C45	C90	C135	C180
10	1366	1367	1368	1368	1368
20	1297	1298	1300	1299	1299
30	1183	1186	1188	1187	1186
40	1030	1034	1036	1036	1033
50	841.1	847.6	848.8	850.5	846.0
60	621.6	629.5	628.2	633.3	627.7
70	379.4	387.7	388.3	391.6	387.0
80	142.9	150.2	156.7	154.6	149.9
90	0.0014	0.0844	0.0842	0.2041	0
100	0.1674	0.0878	0	0	0
110	0.5039	0.3689	0.0844	0.3705	0.1662
120	1.347	0.9283	0.4783	0.7703	0.6749
130	1.335	0.9984	1.255	0.7183	1.264
140	1.302	0.2535	1.201	0.4218	1.433
150	1.269	0	1.114	0	1.433
160	1.134	0	1.043	0	1.433
170	1.369	0	1.093	0	1.433
180	1.433	0.2531	1.266	0	1.433
DEG	LUMINOUS INTENSITY:cd				

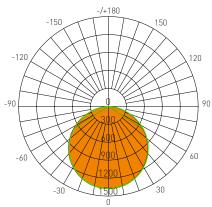
Zonal Lumens

Υ	φ total	
0-10	131.6	
10-20	509.1	
20-30	1083	
30-40	1779	
40-50	2506	
50-60	3165	
60-70	3666	
70-80	3945	
80-90	4010	
90-100	4010	
100-110	4010	
110-120	4010	
120-130	4011	
130-140	4012	
140-150	4013	
150-160	4013	
160-170	4013	
170-180	4013	
UNIT: lm		

Luminance cd/(m2)

Lummance cu/(mz)				
G(DEG)	C0/180	C90/270		
85	5710	6959		
80	8237	9024		
75	9886	10364		
70	11104	11353		
65	11904	12049		
60	12443	12564		
55	12825	12951		
50	13097	13207		
45	13302	13388		

1'X4'/3500K



AVERAGE BEAM ANGLE(50%): 114.1°

Test Number: TR14-DM-TWPS Lumens: 3990.5 Lm Watts: 34.55 W LPW: 115.49 Lm/W CCT: 3500K

UNIT:cd -- C0/180,114.3° — C30/270,114.0 °

Zonal Flux Diagram

			•	•	
	C0	C45	C90	C135	C180
10	1351	1358	1354	1354	1354
20	1281	1292	1286	1286	1287
30	1169	1181	1177	1176	1178
40	1017	1028	1028	1026	1030
50	830.9	840.8	841.5	842.5	847.1
60	612.8	623.2	626.8	630.5	633.6
70	372.2	383.8	392.4	394.6	395.0
80	138.2	149.9	161.7	161.5	162.0
90	0	0.0331	0.6591	0.0620	0
100	0	0	0.5908	0	0
110	0	0	0.5158	0	0
120	0	0.2073	0	0.0848	0.0059
130	0	0.4226	0	0.3418	0.2402
140	0	0.5277	0	0.5738	0.5204
150	0	0.7773	0	0.5253	0.6219
160	0	1.271	0	1.286	0.7974
170	1.299	2.162	0	1.954	1.301
180	1.386	2.508	0	2.232	1.473
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

	φ total
0-10	130.2
10-20	504.1
20-30	1073
30-40	1763
40-50	2484
50-60	3138
60-70	3638
70-80	3919
80-90	3988
90-100	3988
100-110	3988
110-120	3988
120-130	3989
130-140	3989
140-150	3990
150-160	3990
160-170	3990
170-180	3990
UNIT	: lm

sales@okt-led.com

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	5493	7431
80	7963	9312
75	9731	10582
70	10893	11473
65	11695	12099
60	12268	12534
55	12661	12846
50	12939	13091
45	13141	13271

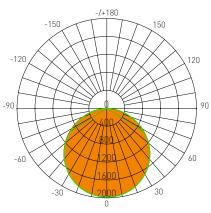
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DISTRIBUTION DIAGRAM

2'X4'/3500K



AVERAGE BEAM ANGLE(50%): 114.3°

Test Number: TR24-DM-TWPS UNIT:cd
Lumens: 5801.4 Lm — C0/180,114.7°
Watts: 49.23 W — C30/270,114.0
LPW: 117.85 Lm/W
CCT: 3500K

-- C30/270,114.0°

Zonal Flux Diagram					
Υ	C0	C45	C90	C135	C180
10	1949	1959	1952	1946	1946
20	1856	1870	1857	1848	1849
30	1699	1713	1698	1688	1692
40	1483	1496	1481	1470	1477
50	1215	1226	1211	1204	1211
60	904.3	913.2	900.7	897.6	903.8
70	570.0	577.5	570.1	568.0	572.8
80	235.3	248.8	251.8	247.7	247.6
90	0.2569	0.6989	1.349	6.798	0
100	0	0.4724	1.151	2.045	0
110	0	0.4982	1.137	0.7072	0.2640
120	0.6089	0.6486	0	0.5700	0.6816
130	0.8588	0.6124	0	0.6712	0.8550
140	0.8223	0	0	0	0.9294
150	0.7007	0	0	0	1.004
160	0.4954	0	0.0904	0	1.162
170	0.6586	0.0877	0.1390	0	1.237
180	0.6998	0.0877	0.1730	0	1.225
DEG	DEG LUMINOUS INTENSITY:cd				

Zonal Lumens

Υ	φ total	
0-10	187.5	
10-20	726.2	
20-30	1547	
30-40	2544	
40-50	3585	
50-60	4530	
60-70	5257	
70-80	5683	
80-90	5798	
90-100	5799	
100-110	5800	
110-120	5800	
120-130	5801	
130-140	5801	
140-150	5801	
150-160	5801	
160-170	5801	
170-180	5801	
UNIT: lm		

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	10468	12586
80	13573	14498
75	15495	15700
70	16691	16666
65	17496	17408
60	18115	18012
55	18587	18470
50	18938	18834
45	19204	19112

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