

OUTLINE™ Type I

LED - Recessed Architectural

Project:	Catalogue:	Type:
Notes:		

Product Description

The Outline™ LED luminaire provides dramatic visual impact to any modern architectural space. This specification-grade, recessed luminaire features angular accents and a single continuous lens for modern styling and high visual comfort. The Outline™ is perfect for use with indoor architectural applications where low-glare, high-quality and ease of installation are required. This IC-rated lay-in T-Bar luminaire's low-profile design makes it ideal for shallow or obstructed plenum applications.

Applications

Office Areas, Retail Stores, Classrooms

Features

- Enhanced, uniform lighting delivers a balanced amount of light to walls, cubicles, work surfaces and people
- Laser formed frosted lens
- Standard low voltage 1% dimming (0-10v)
- For use in insulated ceilings

Featured Options

- Tunable White
- Emergency battery pack
- Flexible metal whip - 6" x 3/18 gauge conductors

Optical System

Standard frosted laser formed one-piece diffuser, offers high levels of efficiency and visual comfort.

Mounting

This luminaire has been specifically designed for T-Bar applications and features integral earthquake clips for additional support. Ceiling tile provided by others.

Construction

Die-formed, code gauge steel housing. Precision-formed steel reflector.

Finish

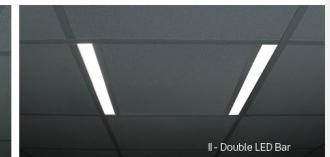
White polyester powder painted surfaces.

Electrical

Long life LEDs coupled with high efficiency drivers, provide quality illumination. Rated to deliver L80 performance > 60,000 hours.

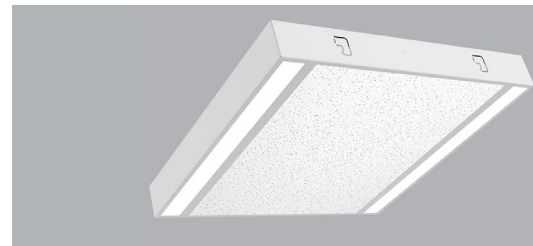
Warranty

5 year limited warranty. For complete warranty, click here: [5YR Warranty](#)

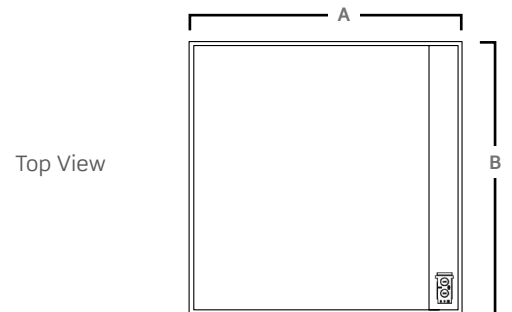


Approvals

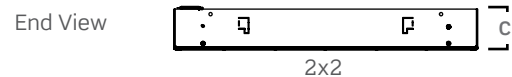
- Approved to CSA/UL standards. UL listed for insulated ceilings.
- Tested in accordance to IESNA LM-79.
- Suitable for damp locations.



Dimensions



Top View



End View

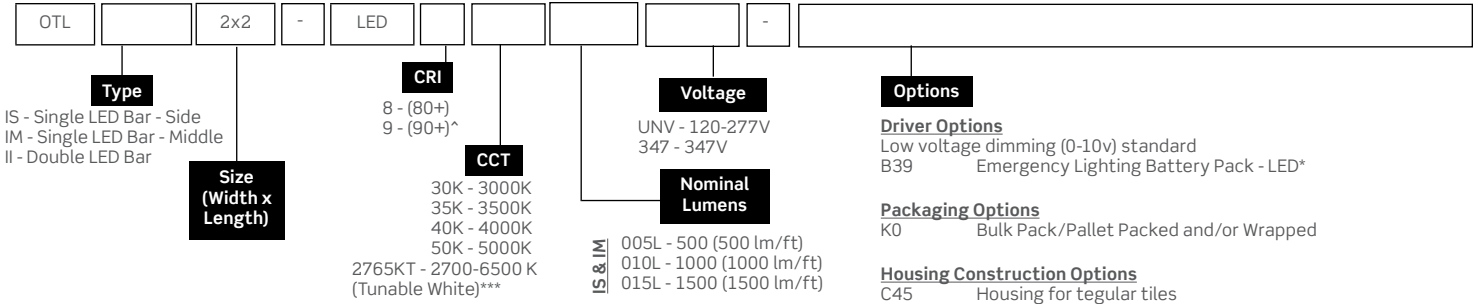
Size	A	B	C
2x2	23.7"	23.7"	2.5"

Consult installation guide for exact dimensions.

Project:	Catalogue:	Type:
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Order Key

EXAMPLE: OTLIS2X2-LED840K010LUNV



Type
IS - Single LED Bar - Side
IM - Single LED Bar - Middle
II - Double LED Bar

Size (Width x Length)

CRI
8 - (80+)
9 - (90+)*

CCT
30K - 3000K
35K - 3500K
40K - 4000K
50K - 5000K
2765KT - 2700-6500 K (Tunable White)***

Voltage
UNV - 120-277V
347 - 347V

Nominal Lumens

IS & IM
005L - 500 (500 lm/ft)
010L - 1000 (1000 lm/ft)
015L - 1500 (1500 lm/ft)

II
010L - 1000 (500 lm/ft)
020L - 2000 (1000 lm/ft)
030L - 3000 (1500 lm/ft)

Options

Driver Options
Low voltage dimming (0-10v) standard
B39 Emergency Lighting Battery Pack - LED*

Packaging Options
K0 Bulk Pack/Pallet Packed and/or Wrapped

Housing Construction Options
C45 Housing for tegular tiles

Wiring Options
V99(C01) Casambi Wireless Controller Module
V99(L05) Lutron Wireless RF Sensor
V100 Flexible Armored Steel Cable Whip (6Ft. x 5-Wire)
V101 Flexible Armored Steel Cable Whip (6Ft. x 6-Wire) (For use with emergency battery pack)

Controls Options
To view the controls guide [Click Here](#).

^ 90+ CRI reduces lumen output by 20%, not available with 5000K

*All emergency models will be with remote lighting battery pack.

*** When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standards with two sets of 0-10V wires for dimming and color tuning (see tunable white diagram for details). For compatible control options please consult factory.

Other options may be available, consult factory. Specifications and data subject to change without notice.

Performance Data

Size	Type	Nominal Lumens	Delivered Lumens	Watts	Lumens per Watt
2x2	IS	500	520	5	108
		1000	1025	10	103
		1500	1527	16	99
	IM	500	518	5	108
		1000	1021	10	103
		1500	1522	16	98
	II	1000	1016	10	105
		2000	2003	20	101
		3000	3008	31	96

Values based on 840K with standard lens at 25C

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

Lifetime Expectancy

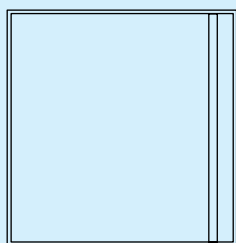
	Calculated Hours	Reported Hours
L70	≥ 238,000	> 60,000
L80	≥ 149,000	> 60,000
L90	≥ 71,000	> 60,000

Flange Kits (Ordered Separately)**	
Size (Width x Length)	Item No.
1x4	KIT00136
2x2	KIT00137
2x4	KIT00138

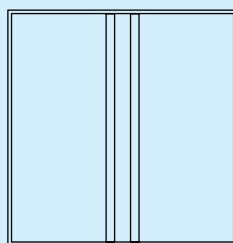
Surface Kits (Ordered Separately)**	
Size (Width x Length)	Item No.
1x4	KIT00326
2x2	KIT00327
2x4	KIT00316

** Ceiling tile or similar required

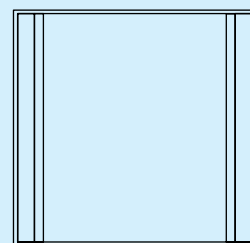
Construction Types



IS - Single LED Bar - Side



IM - Single LED Bar - Middle

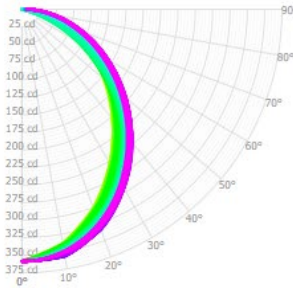


II - Double LED Bar

Project:	Catalogue:	Type:
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Photometrics

IES File: **OTLIS2X2-LED840K010LUNV**
 Lumens: **N/A**
 Wattage: **10**
 Efficacy: **88**



Zonal Lumen Summary

Zone	Lumens	
0.0° - 30.0°	266	30.1%
0.0° - 40.0°	424	48.0%
0.0° - 60.0°	715	80.9%
0.0° - 90.0°	884	100.0%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	995	995	995
45.00°	822	739	702
55.00°	760	674	638
65.00°	697	561	580
75.00°	634	429	528
85.00°	208	314	520

Coefficients of Utilization

pc	80%			80%			70%									
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	30%	
0	1053	1053	1053	1053	1028	1028	1028	1028	983	983	983	941	941	941	902	884
1	964	923	886	852	940	903	869	838	865	837	812	831	808	787	799	764
2	879	808	749	700	856	792	738	692	760	715	676	731	693	660	705	659
3	804	713	643	587	782	699	634	581	673	617	571	649	601	561	626	573
4	738	634	558	500	718	623	552	497	601	539	490	580	527	483	561	504
5	680	569	491	434	662	559	486	431	540	476	426	523	466	422	507	447
6	630	514	436	381	613	506	432	379	490	424	375	475	417	372	461	401
7	585	467	391	338	570	460	388	336	447	382	334	434	375	332	422	362
8	545	428	353	303	532	421	351	302	410	346	300	399	341	298	389	329
9	510	393	322	273	498	388	319	273	378	315	271	369	311	270	360	301
10	479	364	295	249	468	359	293	248	350	289	247	342	286	246	334	277

Effective Floor Cavity Reflectance: 20%

Tunable White

When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.

