

# ONCURVE WAVE 2x4

LED - Architectural Recessed Troffer with Concave and Convex lens

Project:	Catalogue #:	Type:
Notes:		

## Product Description

Premium-grade, recessed, lay-in T-Bar troffer with modern styling and high visual comfort featuring a single concave and a single convex lens. For use with indoor applications where high-efficiency, high performance and ease of installation are required.

## Applications

Office Areas, Retail Stores, Classrooms, Hospitals, Nursing Homes, Hospitality

## Features

- 2x4 configurations
- Standard low voltage dimming (0-10v, 1%)
- For use in insulated ceilings

## Optical System

Frosted curved double-piece lay-in diffuser.

## Mounting

This luminaire has been specifically designed for T-Bar applications. Integral earthquake clips.

## Construction

Die-formed, cold rolled heavy-gauge steel housing assembly. Wiring access plates and knockouts are provided on back of housing.

## Finish

White, polyester powder painted housing.

## Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 50,000 hours. Standard low voltage dimming (0-10v) driver.

## Warranty

5 year limited warranty. For complete warranty, click here:



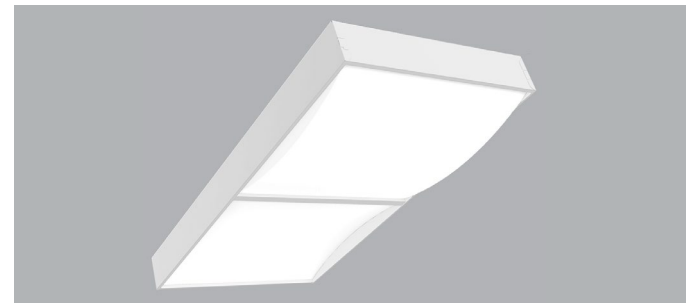
## Approvals

- ETL Listed.
- Suitable for damp locations.
- DesignLights Consortium® Pending.

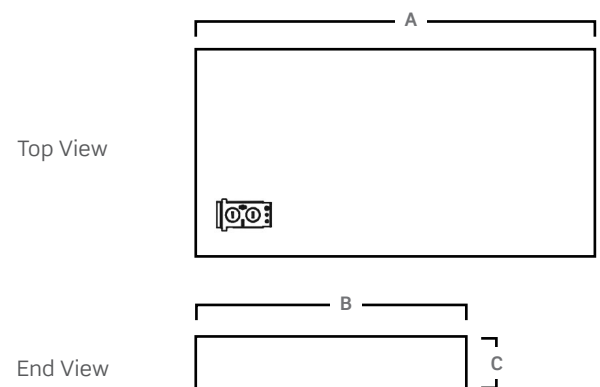
All configurations may not be DLC qualified. Check [www.designlights.org/QPL](http://www.designlights.org/QPL) for qualified configurations.



Pending



## Dimensions



Size	A	B	C
2x4	47.75"	23.75"	4.5"

Consult installation guide for exact dimensions.

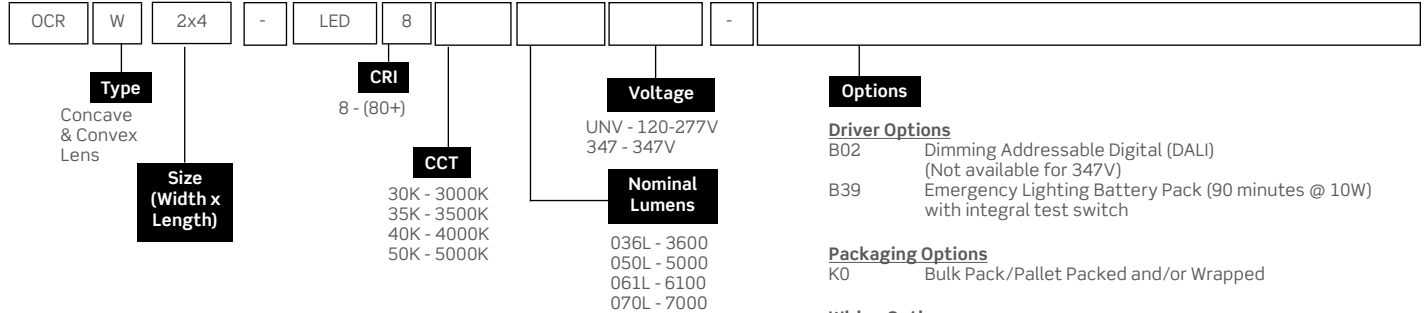
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## Order Key

**EXAMPLE: OCRW2x4-LED840K040LUNV**



## Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens Per Watt
2x4	3600	3684	28.5	130
	5000	5018	39.5	127
	6100	6164	48.8	126.3
	7000	7050	57	123.5

Values based on 840K with standard lens at 25C

Flange Kits (Ordered Separately)		Surface Kits (Ordered Separately)	
Size (Width x Length)	Item No.	Size (Width x Length)	Item No.
2x4	KIT00138	2x4	KIT00375

## Performance Scaling Factor

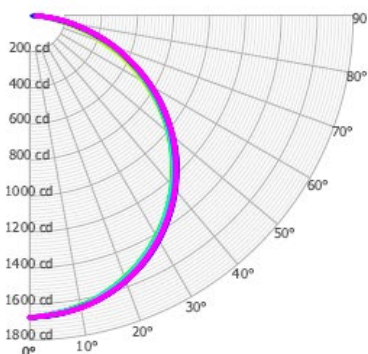
	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

## Lifetime Expectancy

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

## Photometrics

IES File: **WAVEW2X4-LED840K050LUNV**  
 Lumens: **5018**  
 Wattage: **36**  
 Efficacy: **139**



## Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0.0° - 30.0°	1302	-21,700.3%	25.9%
0.0° - 40.0°	2141	-35,678.9%	42.7%
0.0° - 60.0°	3824	-63,736.0%	76.2%
0.0° - 90.0°	4950	-82,491.6%	98.6%

## Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	2305	2305	2305
45.00°	2233	2197	2234
55.00°	2175	2131	2176
65.00°	2073	2015	2069
75.00°	1899	1832	1807
85.00°	2001	1708	1086

## Coefficients of Utilization

pc	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	119	119	119	116	116	116	110	110	110
1	108	103	99	105	101	97	100	96	93
2	98	89	82	95	87	81	90	84	78
3	89	78	70	86	77	69	82	73	67
4	81	69	60	79	68	59	75	65	58
5	75	62	53	73	61	52	69	58	51
6	69	56	46	67	55	46	63	53	45
7	64	50	41	62	49	41	59	48	40
8	60	46	37	58	45	37	55	44	36
9	56	42	34	54	41	33	51	40	33
10	52	39	31	51	38	31	48	37	30

Effective Floor Cavity Reflectance: 20%