

# ONCURVE WAVE 4x4

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 double concave and a double 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

- 4x4 configurations
- Standard low voltage dimming (0-10v, 1%)
- For use in insulated ceilings

## Optical System

Frosted curved quadruple-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.

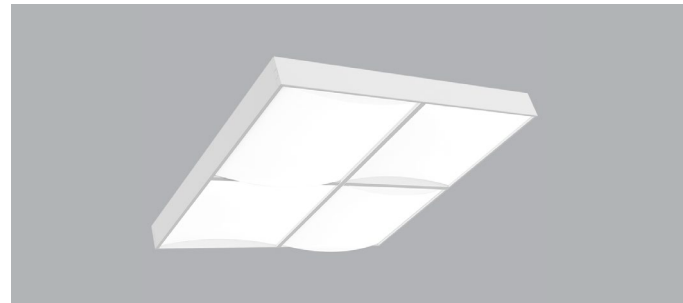
## Warranty

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

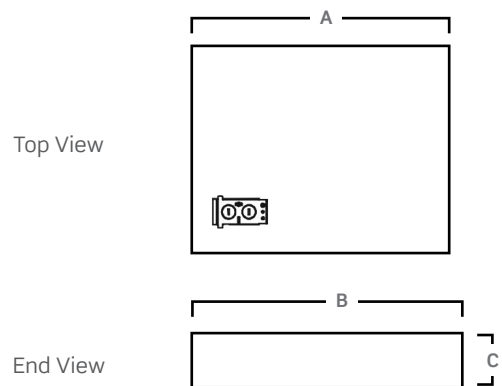


## Approvals

- ETL Listed.
- Suitable for damp locations.



## Dimensions



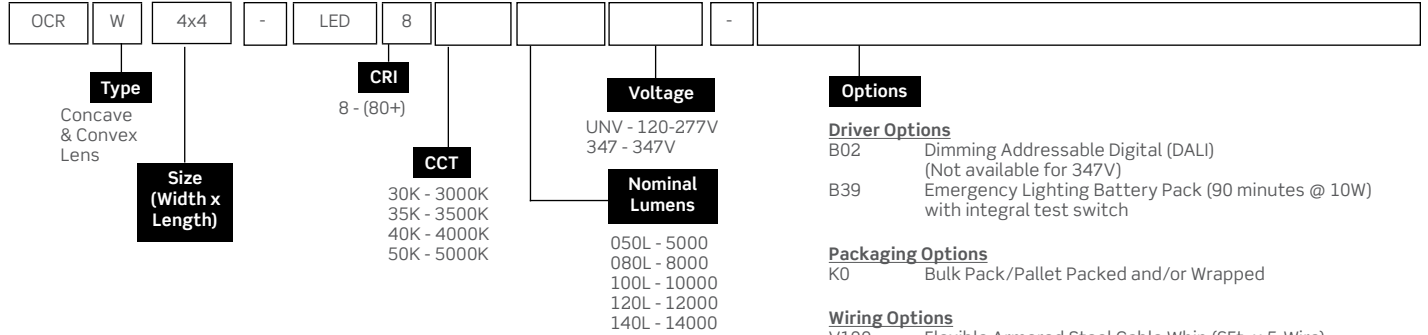
| Size | A      | B      | C    |
|------|--------|--------|------|
| 4x4  | 47.75" | 47.75" | 4.5" |

Consult installation guide for exact dimensions.

|          |              |       |
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### Order Key

EXAMPLE: OCRW4x4-LED840K040LUNV



- Options**
- Driver Options**
- B02 Dimming Addressable Digital (DALI) (Not available for 347V)
  - B39 Emergency Lighting Battery Pack (90 minutes @ 10W) with integral test switch
- Packaging Options**
- K0 Bulk Pack/Pallet Packed and/or Wrapped
- Wiring Options**
- 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**  
For advanced wireless controls [Click Here](#).

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

### Performance Data

| LED Performance Data |                |                  |       |                 |
|----------------------|----------------|------------------|-------|-----------------|
| Size                 | Nominal Lumens | Delivered Lumens | Watts | Lumens Per Watt |
| 4x4                  | 5000           | 5093             | 37    | 139             |
|                      | 8000           | 7985             | 57    | 140             |
|                      | 10000          | 10445            | 74    | 140             |
|                      | 12000          | 12278            | 87    | 140             |
|                      | 14000          | 14100            | 101   | 140             |

Values based on 840K with standard lens at 25C

### Performance Scaling Factor

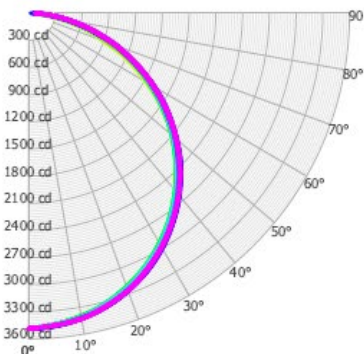
|       | 50K   | 40K   | 35K   | 30K   |
|-------|-------|-------|-------|-------|
| 80CRI | 1.000 | 1.000 | 0.960 | 0.946 |
| 90CRI | 0.875 | 0.875 | 0.836 | 0.809 |

### Lifetime Expectancy

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

### Photometrics

IES File: **WAVEW4X4-LED840K100LUNV**  
 Lumens: **10445**  
 Wattage: **74**  
 Efficacy: **141**



### Zonal Lumen Summary

| Zone         | Lumens | %Lamp       | %Fixture |
|--------------|--------|-------------|----------|
| 0.0° - 30.0° | 2710   | -45,169.3%  | 25.9%    |
| 0.0° - 40.0° | 4456   | -74,265.9%  | 42.7%    |
| 0.0° - 60.0° | 7960   | -132,666.8% | 76.2%    |
| 0.0° - 90.0° | 10302  | -171,706.9% | 98.6%    |

### 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  |

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

|        | 0.00° | 45.00° | 90.00° |
|--------|-------|--------|--------|
| 0.00°  | 2381  | 2381   | 2381   |
| 45.00° | 2306  | 2270   | 2308   |
| 55.00° | 2246  | 2201   | 2248   |
| 65.00° | 2141  | 2081   | 2137   |
| 75.00° | 1961  | 1892   | 1866   |
| 85.00° | 2066  | 1764   | 1121   |

Effective Floor Cavity Reflectance: 20%