

# OL14 Series 1x4 Lensed Troffer

RECESSED MOUNT LIGHTING

**300-480V**

**100-277V**

**LM79  
LM80**

**IP64**



## PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

## DESCRIPTION

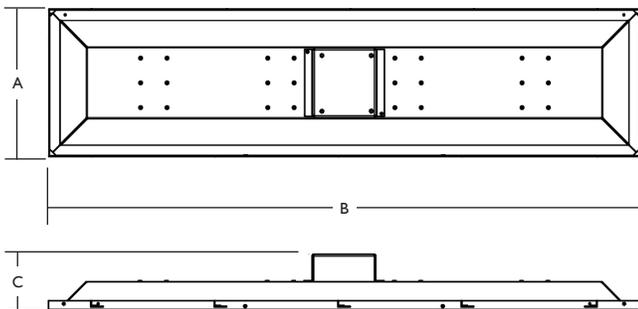
The ActiveLED® OL14 Series 1'x4' Recessed Troffer is designed to give a clean, even pattern of light in any indoor office or retail environment. Made of aircraft grade aluminum and the highest quality LEDs, this fixture is designed to last for more than a decade with no more changing of lamps or ballasts.

Applications include: Office, Retail, Gymnasium, and Warehouse Spaces.



OL14 1x4 Troffer

## DIMENSIONS



| A      | B       | C      |
|--------|---------|--------|
| 11.94" | 47.87"  | 4.51"  |
| 30.3cm | 119.5cm | 11.4cm |

## FEATURES

- ActiveREST™ Dimming Technology - Fixture may be automatically dimmed when full light levels are not required. EXAMPLE - Dimming to level 40 equates to less than 9% of fixture watts being consumed.
- ThermalDRAW™ Cooling Technology - Patented cooling technology ensures LED components will equal or exceed warranty.
- LightSpace® Lighting Controls - Fixture is capable of being programmed and controlled either individually or as part of a lighting zone via remote sensors, switches or building management system (BMS).
- Battery Backup Enabled - This option provides 48V DC support for an Emergency Battery Backup Unit (BBU sold separately) creating an Emergency LED Light Fixture.
- Surge Protection - Fixture has built-in surge protection, or in the case where the driver is located remotely, the surge protector is sold with the remote surge protector.
- Warranty - 10 Year Warranty on LED elements, fixture housing, and LED Driver. See page 2 for additional warranty information.

LIGHT OUTPUT

**4,430** lm

WATTS

**50** W

LUMENS per WATT

**87.61** lm/W

LIGHT COLOR (CCT)

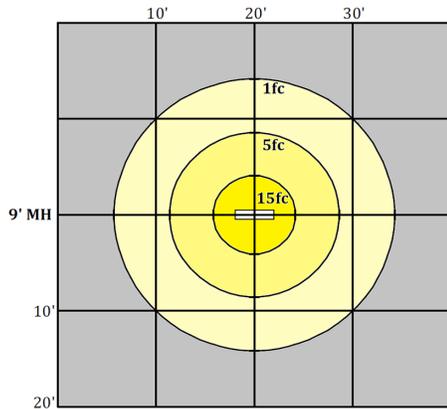
**5000** K

NOTE: Lighting Facts shown for OL14, 48W only.  
For more Lighting Facts, visit [lightingfacts.com](http://lightingfacts.com) for the Label and Label Reference Guide.

**ActiveLED®**  
Energy Efficient Lighting and Controls



## PHOTOMETRICS



## PERFORMANCE DATA

| AMBIENT TEMPERATURES | 0 HOURS | 45,000 HOURS | 90,000 HOURS |
|----------------------|---------|--------------|--------------|
| 77°F (25°C)          | 1.00    | 0.99         | 0.99         |
| 104°F (40°C)         | 1.00    | 0.98         | 0.96         |
| 131°F (55°C)         | 1.00    | 0.96         | 0.92         |
| 140°F (60°C)         | 1.00    | 0.95         | 0.90         |

Projected Lumen Maintenance (TM-21)

NOTE: Calculated using data collected according to LM-80 lumen maintenance on the LED package.

NOTE: Photometrics shown for OL14 Series, 48W only. Contact company for photometrics on other sizes.

## GENERAL SPECIFICATIONS

|                       |   |            |   |
|-----------------------|---|------------|---|
| Input Voltage         | Auto-sensing, 100-277 Volts AC, 50/60 Hz;<br>Auto-sensing, 300-480 Volts AC, 50/60 Hz         | LED Optics | IP64 rated, heat sink, thermally bonded LEDs., and patented thermal management mounting system                                  |
| Input Power           | 24, 36, 48 and 72 LED Watts<br>26, 38, 50 and 74 Input Watts                                  | CCT        | 2700K, 3000K, 3500K, 4000K, or 5000K  |
| Power Factor          | > 0.91 (at ~100-277 Volts)  | Housing    | Fabricated aluminum .063 thickness for heat sinking parts, electroplated galvanized steel for the pan, stainless steel hardware |
| THD                   | Total Harmonic Distortion (THD) <20% (typical 9.9%)   | Finish     | Powder coated after fabrication   |
| Driver                | Integral driver with aluminum housing, integrated intelligent controls and integral heat sink | Dimensions | 11.94" Wide x 47.87" Long x 4.5" High<br>(30.3cm x 47.87cm x 11.4cm)  |
| Operating Temperature | -58° F to 149° F (-50° C to 65° C)  | Weight     | 11.6 pounds (5.3kg)   |
| Lumen Lifetime        | L90/90K Hrs @ 60° C (90,000 Hrs with 90% Luminous Flux)                                       |            |   |

## WARRANTY

Ten (10) Year Warranty - LEDs, Fixture, and Driver shall conform to its published specifications under normal usage and operating conditions including "no light loss" of more than 10% at the end of the period. LEDs will produce at least 90% of their initial light output with no color shift after 90,000 hours of operation.

## LISTINGS AND TESTS

cUL listed driver, CE, suitable for exterior locations. RoHS compliant. IP64 Rated optical assembly. LM-79 and LM-80 info available. Conforms to FCC Part 15.19 Subpart B Class A. Made in USA - ARRA Compliant.

## ORDERING INFORMATION

Example: OL14U-RT-A50R48WH-B

| Style                               | Voltage   | Mount   | Diffuser   | CCT   | Watts  | Color   | Options   |
|-------------------------------------|---|---|--|---|--|---|---|
| <b>OL14</b><br>1'X4' Lensed Troffer | <b>U</b> - 100-277 VAC, 50/60 Hz.<br><b>J</b> - 100-277 VAC, 50/60 Hz, Not Digitally Enabled<br><b>6</b> - 300-480 VAC, 50/60 Hz., Auto Sensing<br><b>N</b> - None!<br><b>E</b> - 45/48 VDC Driver <sup>2</sup> | <b>RT</b><br>Recessed Mount, Grid<br><b>RTF</b><br>Recessed Flange Mount<br><b>RTP</b><br>Recessed Plenum Mount | <b>A</b><br>Polychromatic Diffuser<br><b>B</b><br>Translucent Diffuser<br><b>H</b><br>Damp/Splash Proof Diffuser<br><b>K</b><br>Clear Acrylic Diffuser | <b>50</b><br>5,000K<br><b>40</b><br>4,000K<br><b>35</b><br>3,500K<br><b>30</b><br>3,000K<br><b>27</b><br>2,700K | <b>R24</b><br>24W LED, 26W Max (2126 Lumens)<br><b>R36</b><br>36W LED, 38W Max (3189 Lumens)<br><b>R48</b><br>48W LED, 50W Max (4252 Lumens)<br><b>R72</b><br>72W LED, 74W Max (6379 Lumens)<br>Lumens at 5,000K | <b>WH</b><br>White (Default)<br><b>BK</b><br>Black<br><b>BR</b><br>Brown<br><b>BZ</b><br>Bronze<br><b>CG</b><br>Charcoal<br><b>SL</b><br>Silver | <b>B</b><br>Battery Backup Enabled<br><b>P</b><br>Pigtail, 6' AC Whip |

<sup>1</sup> Requires remote driver. Consult factory.  
<sup>2</sup> No AC Support.