



# Dims to Warm

# 24-ODVH-LED

# 2'X4' Architectural Volumetric LED Troffer

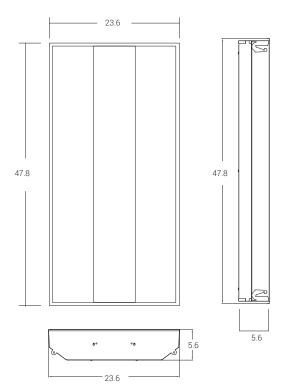












NOMINAL LUMENS	WATTAGE
9000	71 W
8000	60 W
6000	50 W
5000	42 W
4000	33 W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

# **DYNAMIC PLATFORM**

SMART DIM - Dims to Warm with Smart Dim Technology simulates traditional incandescent halogen lighting through dimming, while providing the energy efficiency, high performance and longevity of LED luminaires. When the luminaire dims to warm, it makes a smooth transition across the black body radiator curve. Starting with a 100% lumen output at 3000K, down to a 1% lumen output at 1800K, and maintaining a constant CRI of 90+. It results in rich amber tones as the light dims, encouraging relaxation. An ideal source for hospitality, healthcare, restaurants, and assisted living applications.

LUMENS	4000, 5000, 6000, 8000, 9000			
WARM DIM PLATFORMS	100% lumen output at 3000K, down to a 1% lumen output at 1800K			
CRI	90+			
COLOR QUALITY	2 Step MacAdam Ellipse			
SIZE	2'x2', 2'x4', 1'x4'			
MOUNTING	Recessed			
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUT2W, DIMST, ELD010.1, ELD0DMX.1, DALI.1			
EMERGENCY	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)			
LIFETIME	L70 at 50,000 Hours			
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21			











# 2'X4' Architectural Volumetric LED Troffer



## **FEATURES**

The ODVH-LED blends the traditional look of an architectural volumetric troffer with a center acrylic diffuser, together with unmatched optical performance, delivering the latest in LED technology and lens innovation. The integrated LEDs are strategically angled behind the center indirect acrylic diffuser to maximize lumen output and provide even illumination across the full face of the luminaire. The consistency of the volumetric effect results in optimized visual comfort, enhancing the quality of illumination. The combination of energy savings and optical performance create the ideal choice for educational, medical, office and retail spaces.

# **OPTICAL SYSTEM**

The LED light engine is secured to the body of the luminaire, with the body acting as a heat sink. A proprietary design of the lens results in zero pixilation, regardless of the viewing angle, with LEDs placed to promote a uniform appearance. The result is even illumination across the space, from luminaire to luminaire

#### **MAINTENANCE**

The door frame assembly is hinged, allowing easy access to LED boards and driver compartment, locking into place for secure closure of the luminaire. LED engines and drivers are removable and upgradable even after luminaire installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

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# CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel, post-painted and engineered for maximum strength and extended life. All corners interlock to prevent aesthetic damage to the luminaire, with sides and corners uniformly turned in and hemmed to remove sharp edges for safe handling and easy installation. Luminaire is supplied with multiple wiring entrances for easy daisy chain of luminaires, to add power packs, whips, or other accessories in the field, or for continuous row mounting.

#### FINISH

Post-painted with a 93% reflective white coat to improve luminaire efficacy, and all body components are seamlessly interlocked for added structural strength.

#### MOUNTING

Luminaires accommodate lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling thicknesses. Four corner tie points are standard for safety wire support when required, with built-in earthquake clips, standard. Luminaires may be available with flange kits, surface mounted kits, and other options.

### **OPTIONS**

Luminaires can be shipped pre-installed with whips, modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control solutions.

# DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

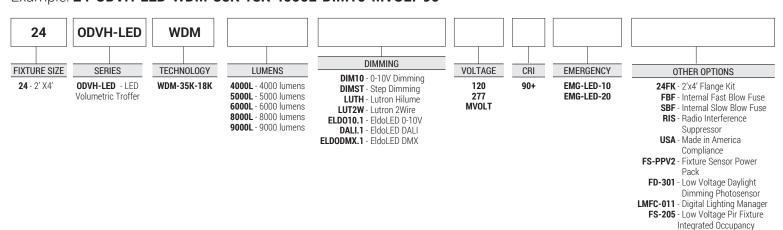
## WARRANTY

Five-year warranty for parts and components. (Labor not included)

#### LISTINGS

c-UL-us - Listed for Feed Through Wiring.

# Example: 24-ODVH-LED-WDM-35K-18K-4000L-DIM10-MVOLT-90



**LUT2W** are available in 120V only **LUT2W** up to 4000L

LUTH, ELDO10-.1, ELDODALI-.1, and ELDODMX-.1 are available in 120V and 277V

-Reference last page for Control Options

\*FD-301 & FS-205 require FS-PPV2- Power Pack





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- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated contol systems
- 2- Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems
- 3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

BRAND	EASYFIT by EnOcean	<b>\$LUTRON</b>	enlighted	<b>LEVITON</b> <sub>8</sub>	OSRAM	PHILIPS EasySense	<b>la legrand</b> °
CONTROL UNIT	☐ LEDRU LED Relay Zone Controller 0-10V <sup>1</sup>	□ FCJS-0-10 Lutron Vive 0-10V Individual Control Models <sup>14</sup>	CU-4E-FMH Fixture Mount Control Unit <sup>15</sup>	□ ZL027 –N0W Intellect Power Control Module <sup>16</sup>	■ EN-WCM2-ZB-DR Wireless Control Module 17	XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver <sup>18</sup>	ON/OFF/0-10V dimming fixture controller 19
	LEDDU LED Zone Controller 0-10V <sup>1</sup>	FCJS-EC0 Lutron Vive Eco-system Individual Control Models 14		☐ ZL027 –DLE Intellect Power Control Module 16	☐ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module 17		FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack 19
INTEGRAT OCCOPANCY&	N/A	☐ DFCSJ-0EM-0CC Clear Connect (RF) and Occupancy/ Daylight Sensing <sup>2</sup>	□ SU-5E-IoT IoT Node Micro Sensor □ SU-5E-CL Connected Micro Sensor □ SU-5E-IL Indipendent Micro Sensor □ SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be Specified with CU-4E-FMH Control Unit) <sup>2</sup>	□ ZL00J -T0W Intellect Intelligent Fixture Control System <sup>2</sup>	□ EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor	SNS200 SNS200 for grouping <sup>2</sup>	Fixture integrated Daylight Dimming Sensor <sup>2</sup>
DAYLIGHT SENSOR				☐ ZL00J-D0W Intellect Intelligent Fixture Control System <sup>2</sup>	ZBHA- CLM-DIM-ENC Connected Lighting Module DIM <sup>2</sup>	SNS300 SNS300 for networks <sup>2</sup>	Fixture integrated passive infrared occupancy sensor <sup>2</sup>
*WIRELESS OCCUPANCY SENSOR	□ EOSCU-W-EO Occupancy Sensor - Ceiling Mounted <sup>3</sup>	LRF2-0CR2B-P-WH Ceiling mount360° ,occupancy/vacancy sensor ³	N/A	N/A	☐ EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors <sup>3</sup>	N/A	LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor <sup>3</sup>
*WIRELESS Daylight Sensor	□ ELLSU-W-E0 Light Level Sensor - Ceiling Mounted <sup>3</sup>	LRF2-DCRB-WH Ceiling-mount daylight sensor <sup>3</sup>	N/A	N/A	□ EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors <sup>3</sup>	N/A	LMLS-400 Single zone switching and dimming digital photosensor <sup>3</sup>
*WIRELESS OCCUPANCY	N/A	N/A	□ SU-5E-IoT IoT Node Micro Sensor □ SU-5E-CL Connected Micro Sensor □ SU-5E-IL Indipendent Micro Sensor □ SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be specified with CU-4E-FMH Control Unit) 3	□ ZL00J -T0W Intellect Intelligent Fixture Control System □ ZL00J-D0W Intellect Intelligent	□ EN-CLM- PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor □ ZBHA- CLM-DIM-ENC Connected Lighting	SNS200-CMP SNS-200 for Grouping <sup>3</sup>	N/A
& DAYLIGHT Sensor				Fixture Control System (Must be specified with ZL027-NOW and ZL00J-DOW Control unit) 3	Module DIM  (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit) <sup>3</sup>		
ACCESORIES	N/A	N/A	☐ TMC-SU-5E Tile Mount Carrier ☐ CBL-5E-CU4-30N 30 linch Sensor cable for CU-4 and loT Ready ☐ CBL-5E-CU4-7F 7 Foot sensor cable for CU-4 and loT Ready Driver	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with LUTRON LRF2-0CR2B-PWH Ceiling mount 360deg occupancy/ vacancy sensor & LRF2- DCRB-WH ceiling mount daylight sensor. Sensors must be orderd through Lutron	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU- 5E-IL, SU-5SH, Sensors	6- Luminaire will be compatible with LEVITON I ntellect APP & Keypad room controller	7- Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless passive infrared occupancy and photo sensor	8- Luminaire will be compatiable with philips field and wireless switch	9- Luminaire will be compatiable with DLM Room control system LMPB-100 Sensors must be orderd through Legrand.