OLS-D-LED
LED ARCHITECTURAL SUSPENDED LINEAR DIRECT SYSTEM

* For list of qualified DLC fixture, please consult factory
OLS-D-LED
LED ARCHITECTURAL SUSPENDED LINEAR DIRECT SYSTEM

APPLICATION: Ambient lighting for glare-free, smooth illumination ideal for institutional, commercial and retail application.

PRODUCT FEATURES:
• 500L, 750L or 1000L lumens per ft. downlight
• Standard length 2’, 4’ and 8’
• Aperture width include 2” and 4”
• Rigid aluminum extrusion made out of T6063-T5 aluminum, die cast aluminum end caps
• Optical system offers high efficiency LED light that passes through a smooth acrylic lens for optimal distribution patterns, thus creating a glare-free and even distribution for your application
• Life tested to 50,000 hours of operation to L70
• Tested to LM-79 and LM-80 standards
• Full ability to tandem mount for continuous run application complete with easy quick connects

PERFORMANCE: The light engines found in the OLS-D are rated at 85+ CRI and are available in multiple CCTs: 3000K, 3500K, 4000K and 5000K. Rated and tested to LM-79 and LM-80 standards. The LEDs are also binned to a 3-step MacAdam ellipse to achieve consistent color from fixture to fixture.

OPTICS - Fabricated of 20 gauge aluminum. Post painted finish with 95% reflective premium paint.

DIFFUSER - Smooth white frosted acrylic lens for glare free light and even distribution. Precision cut, snap in design. 4” lens 3.858” width 2” lens 2.361” width.

FABRICATION - Available in 100% downlight configuration. Available in 2” and 4” aperture width. Rigid design made with extruded aluminum ensures longevity and endurance.

FINISH - Aluminum electrostatic painted in White, Silver or custom colors.

MOUNTING - Comes standard with adjustable cable suspension system providing fast installation into a variety of interior heights, including sloped ceilings.

ENDCAPS - Rigid aluminum extrusion made out of T6063-T5 aluminum, diecast end caps.

STANDARD LENGTHS - All luminaires are supplied in nominal lengths to ensure even illumination. Runs and configurations are available in app. 2’, 4’ and 8’ increments.

CRM INSTALLATION - For continuous row mounting, the first fixture in the row will always be the power supplies feed. After plugging in the male and female harnesses, which are supplied with each fixture, they will easily slid together, then secured with two screws from opposite direction in the connecting brackets. This allows for fixtures to be continuously connected with only removing the lenses. There is no need to remove any other parts in the fixture to install the continuous run.

ELECTRICAL - 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 .9 to 1.00. Male and Female 18-gauge 6 wire plug connectors are included with every fixture to allow for simple hassle-free continuous wiring. Each fixture must be installed male to female.

OPTIONS - Fixtures may be shipped pre-installed with daylight harvesting controls, occupancy sensors, and/or power pack. Available manufacturer options include Lutron, Leviton, Wattstopper, EnOcean, Enlighted, Philips and others. Consult factory for details.

QUALITY CONTROL - Every fixture is rigorously tested by our QC Department before shipping.

LISTING: c-UL-us - listed for Damp location
All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

OUR WORD - Our LED system is Life tested to ensure light output of L70 up to 110,000 hrs and L85 up to 65,000 hrs and carries a five-year carefree warranty for parts and components. (Labor not included)
# FLEX SERIES
## CONTROL OPTIONS

### Controls Options to be Installed on the Fixture
Self-powered sensors and switches, combined with LED fixture controllers and a commissioning tool, permit easy configuration, intelligent local control, and seamless integration into building automation systems.

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### Controls Provided by EnOcean
- **EOSCU**: Occupancy Sensor Ceiling Mount
- **EOSWU**: Occupancy Sensor Wall Mount
- **ELLSU**: Daylight Sensor Ceiling Mount
- **ESRP/EDRPU**: Wall Switches
- **LEVITON**: Wall Switches 902 MHz category
- **NWC 300U**: Navigan Wireless Commissioner

### Controls Installed on the Fixture

#### Switches
- LMSW-105
- LMDM-101

#### Remote
- LMRH-105

#### Configuration tool
- LMCT-100

#### Plug Load Controllers
- LMPL-101
- LMPL-201

#### Sensors
- LMDC-100
- LMLS-400
- LMLS-500

### LMFC-011
Fixture Will be Shipped Legrand Wattstopper DLM Enabled with LMFC-011 Module Controller Installed on the Fixture. Fixtures will be compatible with Legrand Wattstopper DLM Load Controllers, DLM Sensors, DLM Switches, DLM Remote Control, and DLM Configuration tool.

### FD-301
Fixture Will be Shipped with Legrand Wattstopper FD-301 (Integrated Daylight Dimming Photosensor) installed and FS-PP-V2 Fixture Power Pack.

### FSP-202
Fixture Will be Shipped with Legrand Wattstopper FSP-202 (multi-level control based on motion and/or daylight contribution) installed.

### FSP-212
Fixture Will be Shipped with Legrand Wattstopper FSP-212 (multi-level control based on motion and/or daylight contribution) installed.
FLEX SERIES
CONTROL OPTIONS

Controls Installed on the Fixture

- **FCJS-010**
  - Individual Fixture Control
  - Fixture Will be Shipped LUTRON VIVE Enabled with LUTRON FCJS-010 0-10V Control Module Installed on the Fixture. Fixtures will be compatible with Lutron FC-SENSOR Occupancy/Daylight Sensor or FC-VSENSOR Vacancy/Daylight Sensor which can be added in the field for remote mounting. Fixtures must be controlled with any Vive control systems. Fixtures must be ordered with a 0-10V. Driver.

- **FCJS-ECO**
  - Individual Fixture Control
  - Fixture Will be Shipped LUTRON VIVE Enabled with LUTRON FCJS-ECO EcoSystem Control Module Control Module Installed on the Fixture. Fixtures will be compatible with Lutron FC-SENSOR Occupancy/Daylight Sensor or FC-VSENSOR Vacancy/Daylight Sensor which can be added in the field for remote mounting. Fixtures may be Controlled with any Vive control systems. Fixtures must be ordered with a Lutron Driver.

- **DFCSJ-OEM-Occ**
  - Fixture Will be Shipped LUTRON VIVE Enabled with DFCSJ-OEM-Occ* Vive Integral Fixture Control (with Sensing) Installed on the Fixture. Fixtures may be controlled with any Vive control systems. Fixtures must be ordered with a DMX or Lutron EcoSystem Driver.

- **DFCSJ-OEM-RF**
  - Fixture Will be Shipped LUTRON VIVE Enabled with DFCSJ-OEM-RF* Vive Integral Fixture Control (RF Only) Installed on the Fixture. Fixtures may be controlled with any Vive control systems. Fixtures must be ordered with a DMX or Lutron EcoSystem Driver.

Controls Provided by Lutron

- Vive Wireless Hub
- DayLight Sensor
- Ceiling Mount Occupancy/Daylight Sensor
- Ceiling Mount Occupancy Sensor
- Pico Remote
- Wall Mount Switch
- Wall Mount Occupancy Sensor
- Lutron App

Controls Provided by Leviton

- ZL027-NOW
  - Power control module
  - Fixture will be shipped with Leviton ZL027-NOW power control module installed on the fixture. Fixtures will be compatible with Leviton ZL00J-DOW sensor control module which can be added in the field for remote mounting. Fixtures must be controlled with Leviton Intellect Keypad Room Controller, or Leviton Neuron App.

- ZL00J-DOW
  - Sensor control module

Leviton Keypad

- ZLDNK-1W
- ZLDNK-2W
- ZLDNK-4W
- ZLDNK-8W
  - Intellect** Keypad Room Controller (Required)

Leviton App

- Neuron App
Philips EasySense sensors provide luminaire-level control with Occupancy sensing, Daylight harvesting, and Field task tuning.

**PHILIPS-XSR + SNS200**
- Fixture will be Shipped with EasySense SNS200 Sensor installed and PHILIPS-XSR driver. Fixture May Only be Controlled with Philips Field App or Wireless Switches.

**SRB + SNS200**
- Fixture Will be Shipped with EasySense SNS200 Sensor installed and PHILIPS SRB Bridge. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V Wall Box Dimmer.

**PHILIPS-XSR + SNS200-CMP**
- Fixture will be Shipped Sensor Ready with PHILIPS-XSR driver and EasySense SNS200-CMP Sensor which is Included to be Remote Mounted. Fixture May Only be Controlled with Philips Field App or Wireless Switches

**SRB + SNS200-CMP**
- Fixture Will be Shipped Sensor Ready with PHILIPS SRB Bridge and EasySense SNS200-CMP Sensor which is Included to be Remote Mounted. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V Wall Box Dimmer.

**SRB**
- Fixture will be Shipped Sensor Ready with SRB Bridge. Fixture will be Compatible with EasySense Sensor SNS200-CMP which can be Added in the Field for Remote Mounting. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V Wall Box Dimmer.

Enlighted Smart Sensors features digital motion, ambient light, and temperature sensing, the device provides autonomous fixture-level control.

**PHILIPS-XSR + FS-D22**
- Fixture Will be Shipped with Enlighted FS-D22 Two-wire sensor Sensor installed and PHILIPS-XSR driver. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.

**CU-E3-1R + SU-4E-00**
- Fixture Will be Shipped with Enlighted SU-4E-00 Sensor installed and Enlighted CU-E3-1R Control Unit Power Pack. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.

**CU-E3-1R**
- Fixture Will be Shipped Sensor Ready with Enlighted CU-E3-1R Control Unit Power Pack. Fixture will be compatible with Enlighted SU-4E-00 Sensor which can be Added in the Field for Remote Mounting. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.

**PHILIPS-XSR**
- Fixture Will be Shipped Sensor Ready with PHILIPS-XSR driver. Fixtures will be be compatible with Enlighted CS-D2 Two-wire sensor which can be Added in the Field for Remote Mounting. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.

**CU-E3-1R + SU-4E-00**
- Fixture Will be Shipped with Enlighted SU-4E-00 Sensor installed and Enlighted CU-E3-1R Control Unit Power Pack. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.

**PHILIPS-XSR + FS-D22**
- Fixture Will be Shipped with Enlighted FS-D22 Two-wire sensor Sensor installed and PHILIPS-XSR driver. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.
PHOTOMETRY DATA

4-OLS-D-WW-LED-2-750L-DIM10-MVOLT-40K-85

WATTAGE: 27
LUMENS: 3030

TOTAL LUMINANCE EFFICIENCY: 112

Candle Power Distribution (Candelas)

<table>
<thead>
<tr>
<th>Angle in Degrees</th>
<th>0°-10°</th>
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Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 20% = PF

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4-OLS-D-WW-LED-4-750L-DIM10-MVOLT-40K-85

WATTAGE: 25.5
LUMENS: 3105

TOTAL LUMINANCE EFFICIENCY: 122

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4-OLS-D-LED-BW-4-1000L-DIM10-MVOLT-40K-85

WATTAGE: 33.9
LUMENS: 4176

TOTAL LUMINANCE EFFICIENCY: 123

Candle Power Distribution (Candelas)

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