LITECONTROL
making light work™

DATE: LOCATION:

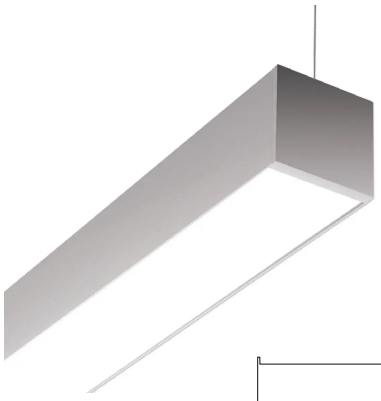
TYPE: PROJECT:

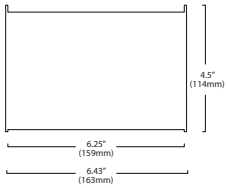
CATALOG #:

# 6L-P-ID

MOD™ 6 LED PENDANT INDIRECT/DIRECT

MOD X






End View

## FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 2 SDCM color consistency
- End cap design eliminates visible diffuser seams/gaps
- TriGain Technology provides superior color quality without compromising efficacy. The 6L-P-ID series delivers 90 CRI at 141 LPW

## CONTROLS TECHNOLOGY

## SERVICE PROGRAM

QS10

## SPECIFICATIONS

### CONSTRUCTION

- Housing constructed from extruded aluminum
- End caps constructed from die cast aluminum with magnetic interface
- End caps overlap diffuser at each fixture end to eliminate gaps and LED visibility
- Dust cover constructed from clear acrylic lens with magnetic interface

### OPTICS

- 2 SDCM color consistency, 90 CRI
- SOF: Soft diffuse acrylic lens
- BWO: White blade baffle with softglo lens overlay. Output multiplier (.70)
- BAT: “Batwing” distribution created from highly transmissive diffuse acrylic lens with linear prisms

### INSTALLATION

- Suspension required at every row joint. 3⁄64" diameter field-adjustable aircraft cables, ships separately
- Low profile cable gripper limits visibility while providing maximum horizontal balance adjustment
- Pendant locations at ends of rows (or individual fixtures) are ½" from fixture ends
- Pendant attachment allows for horizontal adjustment to "fine-tune" side-to-side leveling
- Illuminated corners available in 90°, 120°, 135°. One piece construction, ready to install, with diffusers that match adjoining fixtures. Corner system connectors must be used to form patterns. The length of each outside or inside illuminated corner is 12"

### ELECTRICAL

- Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. Indirect and direct hemispheres can be independently specified
- LED boards and drivers can be accessed and removed from fixture, while installed
- Entire LED module can be removed and replaced
- 1C (1 Circuit) Fixture wired for a single circuit
- 2C (2 Circuit uplight/downlight) Uplight and downlight switched/dimmed separately. Two power feeds required
- Non-feed: 2" diameter canopy covers provided (unless 5" non-feed cover is specified)
- Feed Cord: 4-wire, 7 amps max; 5-wire, 5 amps max.
- Emergency Battery: 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. Available in 4'+' fixtures
- Current’s patented TriGain® phosphor delivers 90 CRI color quality at 80 CRI efficacy

### CONTROLS

- Sensors install between diffusers
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- SpectraSync™ Color Tuning Technology: Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants

| | Weight |
|---|---|
| 6L-P-ID | 3 lbs/ft |

### CERTIFICATIONS

- CSA listed for damp location
- IBEW
- AF of L
- UL924
- DLC V5.1 listed luminaire. Not all product variations listed in this document are DLC qualified. Refer to designlights.org for most up-to-date list.
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions.
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

### WARRANTY

- LED boards - 5 years
- LED drivers (standard) - 5 years
- LED drivers (Lutron) - 3 years

| KEY DATA | |
|---|---|
| Lumen Range Per Foot | I: 300–1350<br>D: 300–1250 |
| Wattage Range Per Foot | 4.5–20.4 |
| Efficacy Range (LPW) | 129–141 |
| Rated Life (Hours) | L90: >60,000 |

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Gray Highlighting = 10 Day Quick Ship Program QS10

## ORDERING GUIDE

**Example:** 6L-P-ID-STD-8-8-SOF-C1-27K9-I030-D030-D01-1C-UNV-FA1

CATALOG #

6L –

| Series | Mounting | Fixture Distribution | Indirect Optical Distribution | Row Length (In Feet) | Max Length In Row | Direct Optical Distribution |
|---|---|---|---|---|---|---|
| **6L** MOD | **P** Pendant | **ID** Indirect/Direct | **STD** Standard | **__'** Enter in foot increments | **02** 2', 609mm<br>**03** 3', 914mm<br>**04** 4', 1219mm<br>**05** 5', 1524mm<br>**06** 6', 1829mm<br>**08** 8', 2438mm | **SOF** Soft Diffuse Lens, Lambertian<br>**BWO** Blade Baffle with Overlay [1]<br>**BAT** Batwing Lens |

| Finish/Color [2] | Color Temperature | Indirect Output/ft [5] | Direct Output/ft [5] | Driver | Circuiting |
|---|---|---|---|---|---|
| **C1** Matte White (Default)<br>**C2** Textured Matte White<br>**C3** Light Silver<br>**C4** Machined Aluminum<br>**C5** Carbon Black<br>**C6** Textured Camera Black<br>**CC** Custom Color | **27K9** 2700K, 90 CRI<br>**30K9** 3000K, 90 CRI<br>**35K9** 3500K, 90 CRI<br>**40K9** 4000K, 90 CRI<br>**50K9** 5000K, 90 CRI [3]<br>**2230TD** 2200K–3000K SpectraSync™ Dim-to-Warm [3, 4]<br>**2765T** 2700K–6500K SpectraSync™ Tunable White [3, 4] | **I030** 300 (min) [6]<br>*to*<br>**I135** 1350 (max) | **D030** 300 (min) [6]<br>*to*<br>**D125** 1250 (max) | **D01** 1% Dimming, 0–10V<br>**D00** 1% Dim-to-Off, 0–10V<br>**D05** SpectraSync 5% Dimming, 0–10V [7]<br>**DS1** 1% Dimming w/ Soft Start, 0–10V<br>**DS0** 1% Dim-to-Off w/ Soft Start, 0–10V<br>**LEC** Hi-lume 1% Ecosystem LED Driver [3]<br>**DALI** DALI [3]<br>**DALIP** Powered by DALI (2.0) [3]<br>**NDM** Non-Dimming | **1C** 1 Circuit<br>**2C** 2 Circuit - Uplighting / Downlight |

### OPTIONAL

| Voltage | Suspension Kit [9] | Nightlight | Emergency | Thru-wiring | Patterns [3, 12] | Dust Cover | T-Bar Clips [13] |
|---|---|---|---|---|---|---|---|
| **UNV** Universal Voltage (120V through 277V)<br>**347** 347 Volt [3, 8] | **FA1** Suspension Kit, 51"<br>**FA2** Suspension Kit, 87"<br>**FA3** Suspension Kit, 219"<br>**FA4** Suspension Kit, 363" | **NL** Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row | **EF** 10W Emergency Battery Pack. Enter quantity. 2EF = 2 emergency batteries/row. (CEC Title 20 Compliant) [10] | **W1** No Thru Wire<br>**W2** Provide Normal and Emergency/ Nightlight Thru Wiring [11]<br>**W3** Provide Normal Thru Wiring Only | **C90L** Illuminated 90° Corner<br>**C120L** Illuminated 120° Corner<br>**C135L** Illuminated 135° Corner | **L1** Clear Acrylic Dust Cover Lens | **CB1** T-bar clip - 15/16"<br>**CB2** T-bar clip - 9/16"<br>**CB3** T-bar clip - 9/16" SS |

### Control Options [3]

**NX Networked – Wired**

| | |
|---|---|
| **NXE** | NX Wired Dual RJ45 SmartPORTS, without Sensor [14, 15] |
| **NXERM** | NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming [14, 15] |

**NX Networked – Wireless**

| | |
|---|---|
| **NXWRM** | NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming [14, 15] |
| **NXW** | NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor [14, 15] |

**Sensors**

| | |
|---|---|
| **SD1** | Daylight Sensor Required. Enter quantity. 2SD1 = 2 daylight sensors/row |
| **SO1** | Occupancy Sensor Required. Enter quantity. 2SO1 = 2 occupancy sensors/row |

Notes:

1 Not Available with Patterns.
2 Visit currentlighting.com/litecontrol for details.
3 Additional lead time may be applicable. Contact factory.
4 Must be ordered with D05 Driver option; excludes 2' lengths and patterns.
5 Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
6 D030 not available in 2'
7 Must be ordered with 2230TD or 2765T Option
8 Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LEC) Dimming Drivers
9 Add suffix /V to replace all 2" non-feed canopy covers with 5" canopy covers. FA1/V = 51" suspension kit w/ 5" canopies; canopies and feed cord are supplied in white regardless of fixture color unless otherwise specified.
10 EF - 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. Available in 4'+ fixtures.
11 Only applicable when specified with Emergency/Nightlight.
12 Contact Factory for pattern configurations. Approval drawings required.
13 Includes Luminaire Canopy Box.

**NX In-Fixture Control Options:**

14 Not available for row mounting. Only available with 0–10V Driver options. Contact factory for Length restrictions.
15 Refer to NX Integrated Controls Reference Table for Functionality of Options.

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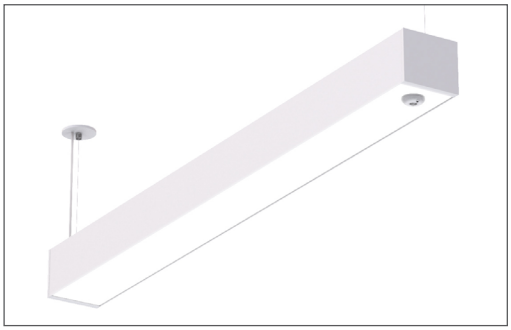
## CONTROLS OPTIONS AND FUNCTIONALITY

NX LIGHTING CONTROLS™

| | Control Option Ordering Logic & Description | | Control Option Functionality | | | | | | | | | | Control Option Components | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sensor | Networkable | Grouping | Scheduling | Occupancy/ Motion | Daylight Harvesting | 0-10V Dimming | On/Off Control | Bluetooth® App Programming | Sensor Height | | |
| NX Wired | NXE | NX Wired Dual RJ45 SmartPORTS, without Sensor | N/A | ✓ | ✓ | ✓ | – | – | ✓ | ✓ | Requires NXBTC dongle [1] | – |  | NXDSP |
| NX Wired | NXERM | NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming | NXSMP2-LMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Max: 12' |  | NXSMP2-LMI<br>NXDSP |
| NX Wireless | NXWRM | NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming | NXSMP2-LMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Max: 12' |  | NXSMP2-LMI |
| NX Wireless | NXW | NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor | N/A | ✓ | ✓ | ✓ | – | – | ✓ | ✓ | ✓ | – |  | NXRM2-H |

1 NXBTC needs to be plugged into an available NX SmartPort™ on the fixture network

### 6L-PW-ID WITH NXWRM WIRELESS CONTROL OPTION



### CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

### APP INFORMATION

#### NX Lighting Controls App

The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.

Android

Apple iOS

#### NX Connect App

The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.

Apple iOS

DATE: LOCATION:

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MOD™ 6 LED PENDANT INDIRECT/DIRECT

## CONTROLS OPTIONS AND FUNCTIONALITY (CONTINUED)

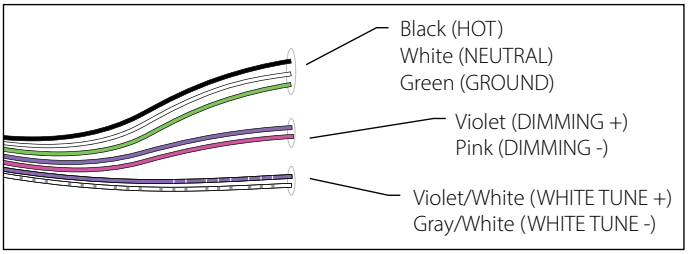
### SpectraSync™ Color Tuning Technology:

Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.

| SPECTRASYNC COLOR TUNING TECHNOLOGY | | |
|---|---|---|
| Mode | Kelvin Range | Description |
| Dim to Warm | 2200K–3000K | Mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed |
| Tunable White | 2700K–6500K | Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space |
| Scheduled White | 2700K–6500K | Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being |

### SpectraSync Tunable White

Available in 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

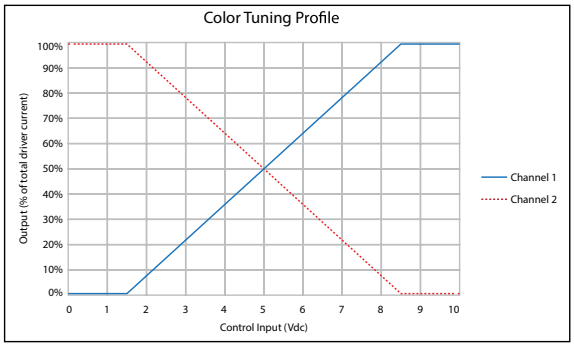



SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and gray/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

### Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Current: NX Lighting Controls Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



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## PERFORMANCE DATA TABLE

The table below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required.

| Nomenclature | Lumens/Ft | W/Ft | Efficacy |
|---|---|---|---|
| **Uplight (STD Distribution)** | | | |
| I030 (min) | 300 | 2.0 | 146 |
| I050 | 500 | 3.3 | 152 |
| I075 | 750 | 5.0 | 151 |
| I100 | 1000 | 6.8 | 145 |
| I135 | 1350 | 9.6 | 141 |
| **Downlight** | | | |
| D030 (min) | **300** | **2.4** | **123** |
| D050 | **500** | **3.9** | **127** |
| D075 | **750** | **5.8** | **128** |
| D125 | **1250** | **9.9** | **126** |

(wattage may vary up to 5% from published)

### Output Restrictions

Driver options listed below are not available for the output and length as shown.

| Restrictions - Indirect | | Output STD | | |
|---|---|---|---|---|
| | | 300 | 350 | 400 |
| Length (feet) | 2 | Not Available | Not Available | Not Available |

| Restrictions - Indirect | | Output LPA | |
|---|---|---|---|
| | | 300 | 350 |
| Length (feet) | 2 | Not Available | Not Available |

### Output Multiplier Table

Photometrics for the MOD Family are published here at a nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

| Option | 2700K 90 CRI | 3000K 90 CRI | 3500K 90 CRI | 4000K 90 CRI | 5000K 90 CRI |
|---|---|---|---|---|---|
| **SOF** | 0.89 | 0.96 | 1.00 | 1.00 | 0.99 |
| **BWO** | 0.62 | 0.67 | 0.70 | 0.70 | 0.69 |
| **ASYM** | 0.89 | 0.96 | 1.00 | 1.00 | 0.99 |
| **BAT** | 0.89 | 0.96 | 1.00 | 1.00 | 0.99 |
| **DRP** | 0.89 | 0.96 | 1.00 | 1.00 | 0.99 |
| **LPAD** | 0.80 | 0.86 | 0.90 | 0.90 | 0.89 |

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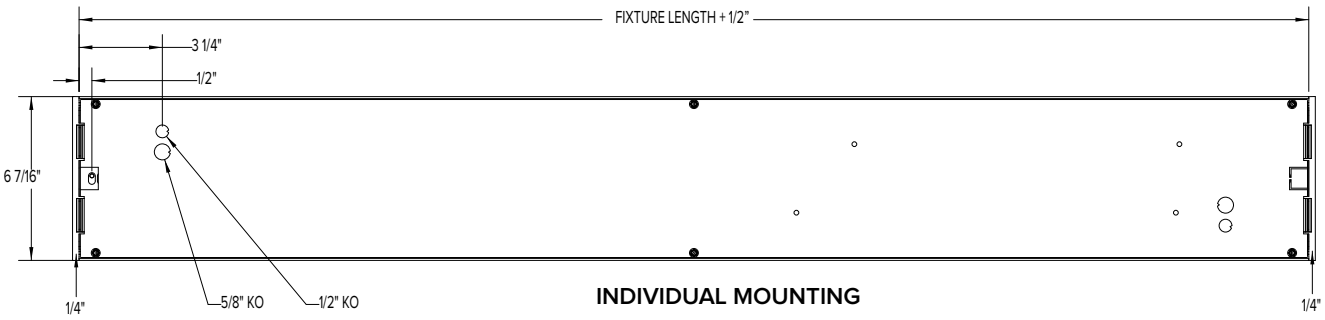
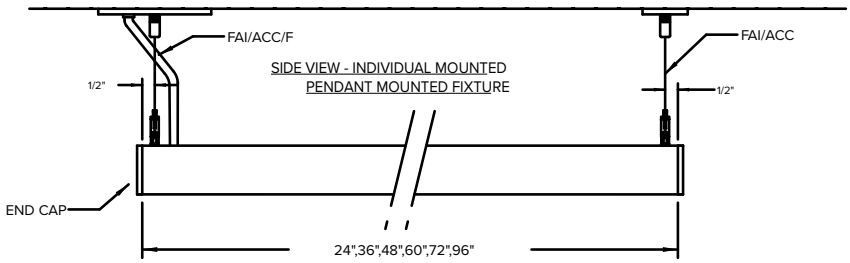
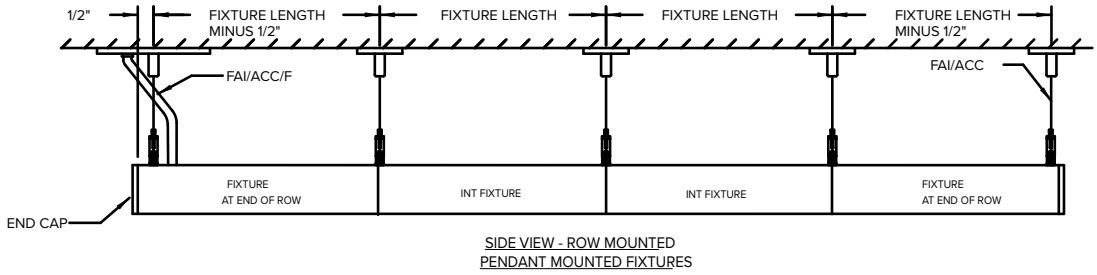
## DIMENSIONS

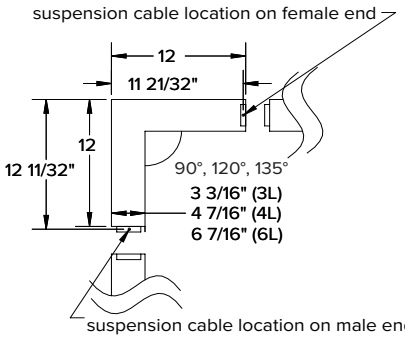



INDIVIDUAL MOUNTING

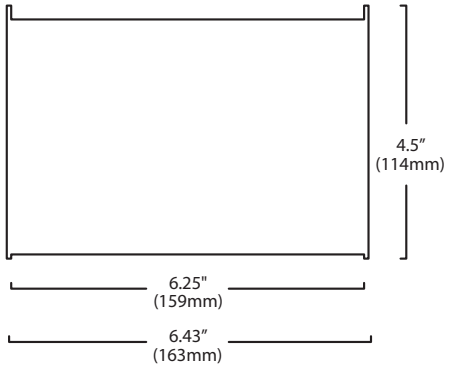



ROW MOUNTING




PATTERNS




END CAP VIEW

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## PHOTOMETRY

### 6L-P-ID-STD-4-SOF-CX-35K9-D075

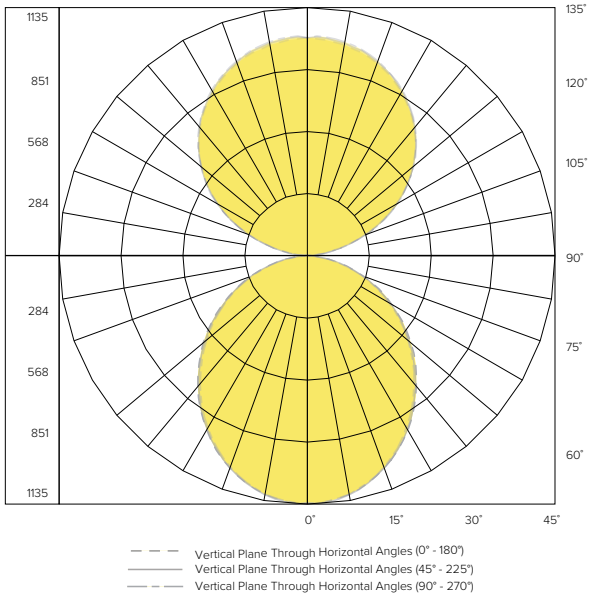
#### LUMINAIRE DATA

| | |
|---|---|
| Description | **6L Linear Pendant 3500K** |
| Delivered Lumens | **5965** |
| Watts | **43.2** |
| Efficacy | **138** |
| Mounting | **Pendant** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0–40 | 1388.54 | 23.30 |
| 0–60 | 2392.93 | 40.10 |
| 0–90 | 2983.37 | 50.00 |
| 0–180 | 5964.99 | 100.0 |

#### POLAR GRAPH



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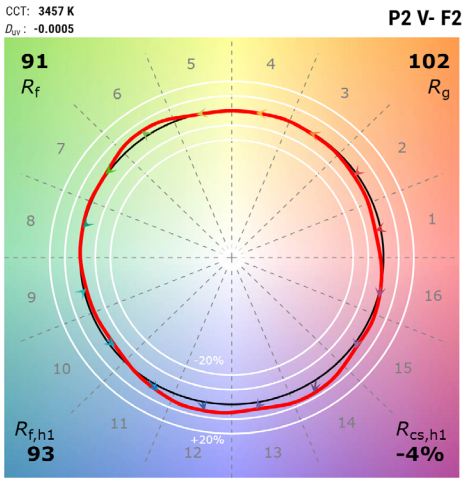
## TM-30 DATA

### COLOR VECTOR GRAPHIC




*Graphics shown are at 35K

Reference Illuminant — Test Source

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## ADDITIONAL INFORMATION

### Driver

| | |
|---|---|
| D01 | 100%–1% dimming range. Fixture will be wired for low voltage 0-10V dimming control. |
| D00 | Dim-to-Off 100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control. |
| D05 | 100%–5% dimming range, Fixture will be wired for low voltage 0–10V dimming control. Only applicable if either 2230TD, 2750T or 2765T is selected. |
| DS1 | Soft-Start 100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control. |
| DS0 | Soft-Start Dim-to-Off 100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control. |
| LEC | Hi-Lume 1% EcoSystem LED Driver with Soft-On, Fade-to-Black dimming technology. |
| DALI | DALI compatible. |
| DALIP | Self-Powered DALI bus (e.g. DEXAL) |
| NDM | Non-dimming. Fixture will be wired for fixed light output. |

### Rated Life

Tested in accordance to LM79-2008 & derived from EPA TM-21 calculator
L70: 280,000 (calculated per TM-21 extrapolated curve)
L70: >61,000 (reported per TM-21/LM80 6x's limitation)
L90: 72,000 (calculated per TM-21 extrapolated curve)
L90: >61,000 (reported per TM-21/LM80 6x's limitation)

### Rated Life (Driver)

Standard = 100,000 hours
Lutron = 50,000 hours