

6L-WS-D

MOD™ 6 LED WALL/SLOT DIRECT

FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 2 SDCM color consistency
- Perimeter mount with 4 regression depths



CONTROLS



SPECIFICATIONS

CONSTRUCTION

- Housing constructed from die-formed and welded steel with wiring knockouts in top
- End caps constructed from die-formed steel. Installs from below via magnetic interface
- End caps overlap diffuser at each fixture end to eliminate gaps and LED visibility

OPTICAL PERFORMANCE

- 2 SDCM color consistency, 80 or 90 CRI
- SOF: Soft diffuse acrylic lens
- BWO: White blade baffle with softglo lens overlay. Output multiplier (.70)

INSTALLATION

- Finish of wall should extend 7" above ceiling. Continuous Fixture Support Rail is provided for ease of installation. Ceiling construction must be supported independently of the lighting. Installations with straight extensions must be specified with wall-to-wall lengths. For optimal spacing from the wall, the amount of light provided will be rounded down to the nearest foot, unless this results in the fixture being < 2" away from the wall
- Ex. A 20'-4" through 21'-3" wall-to-wall length will result in 20' of light. A wall-to-wall length of 20'-3" will produce 19' of light. For recommended wall uniformity, fixture should be between 2-4" from wall. For more precise lighting, 3" increment fixtures are available.
- LG/NG/SS Mounting: Plenum cover to rest on t-bar
- DW Mounting: Trimless appearance with fixture resting on back of drywall. For non-SE rows, drywall must be "finished" to close off fixture

INSTALLATION (CONTINUED)

- Patterns: End of row straight extensions allow for adjustability of fixture to be 0.5"-8.5" away from wall. For NRW diffuser option, fixture is recommended to be no less than 2" away from wall. Field cut corner pieces allow for 85-160° inside corners and 70-160° outside corners. See image for further clarification
- Fixture weight: 3lbs/ft

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
- Emergency Battery: 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. Available in 6' & 8' fixtures. Available with SOF, NRW, ASYM downlight diffusers

CONTROLS

- Sensors install between diffusers
- NX Distributed Intelligence™: Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enabled emerging applications, such as Hubbell Lighting's SpectraSync™ Color Tuning Technology

MOD^x



RELATED PRODUCTS

- Ø [2L-WS-D](#) Ø [3L-WS-D](#) Ø [4L-WS-D](#)

CONTROLS (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

CERTIFICATIONS

- DLC® (DesignLights Consortium) Qualified - see www.designlights.org
- CSA listed for damp location
- IBEW
- AF of L
- UL924

- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 8/14/2020. See [Buy American Solutions](#). Contact factory for configurations including SpectraSync, NX, or sensors.

WARRANTY

- LED boards - 5 years
- LED drivers (standard) - 5 years
- LED drivers (Lutron) - 3 years
- See www.litecontrol.com for details

| KEY DATA | |
|------------------------|------------------------------|
| Lumen Range Per Foot | D: 300–1100 |
| Wattage Range Per Foot | 2.6–10.0 |
| Efficacy Range (LPW) | 110–118 |
| Rated Life (Hours) | L70: >61,000 L90: >61,000 |

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ORDERING GUIDE

Example: 6L-WS0-DW-D-8-.3-08-SOF-C1-27K-D030-D01-1C-UNV-EC

CATALOG # _____

| 6L | Series | Regressed Depth | Ceiling Type ¹ | Fixture Distribution | Row Length (in Feet) | Row Length adder | Max Length in Row | Direct Optical Distribution |
|--------|------------|---|--|----------------------|-------------------------------|--|--|---|
| 6L MOD | WS0 | Wall/Slot perimeter mounted, flush | DW Drywall (trimless finish) | D Direct | ___' Enter in foot increments | .3 Row Length +3" .6 Row Length +6" .9 Row Length +9" Measured in Inches | 02 2', 609 mm 03 3', 914 mm 04 4', 1219 mm 05 5', 1524 mm 06 6', 1829 mm 08 8', 2438 mm | SOF Soft Diffuse Lens BWO Blade Baffle with Overlay ² |
| | WS2 | Wall/Slot perimeter mounted, 2" regressed depth | LG 15/16 Grid NG 9/16 Grid SS 9/16 Screw Slot | | | | | |
| | WS3 | Wall/Slot perimeter mounted, 3" regressed depth | | | | | | |
| | WS4 | Wall/Slot perimeter mounted, 4" regressed depth | | | | | | |

| Finish/Color ³ | Color Temperature | Direct Output/ft ⁶ | Driver | Circuiting | Voltage |
|---------------------------------|---|--|---|---------------------|--|
| C1 Matte White (Default) | 27K 2700K ⁴ | D030 300 (min) ⁷ to D125 1250 (max) | D01 1% Dimming, 0-10V D00 1% Dim-to-Off, 0-10V D05 SpectraSync 5% Dimming, 0-10V ⁸ DS1 1% Dimming w/ Soft Start, 0-10V DS0 1% Dim-to-Off w/ Soft Start, 0-10V LEC Hi-lume 1% Ecosystem LED Driver DALI DALI ⁴ DALIP Powered by DALI (2.0) ⁴ NDM Non-Dimming | 1C 1 Circuit | UNV Universal Voltage (120V through 277V) 347 347 Volt ^{4,9} |
| C2 Textured Matte White | 30K 3000K | | | | |
| C3 Light Silver | 35K 3500K | | | | |
| C4 Machined Aluminum | 40K 4000K | | | | |
| C5 Carbon Black | 50K 5000K ⁴ | | | | |
| C6 Textured Camera Black | 27K9 2700K, 90 CRI ⁴ 30K9 3000K, 90 CRI 35K9 3500K, 90 CRI 40K9 4000K, 90 CRI 50K9 5000K, 90 CRI ⁴ | | | | |
| CC Custom Color | 2230TD 2200K-3000K SpectraSync™ Dim-to-Warm ⁵ 2750T 2700K-5000K SpectraSync™ Tunable White ⁵ 2765T 2700K-6500K SpectraSync™ Tunable White ⁵ | | | | |

OPTIONAL

| Straight Run Termination | Nightlight | Emergency | Thru-wiring | Chicago Environmental Air Modification | Patterns ^{4,12} |
|---|--|--|---|--|--|
| EC End Cap Enter quantity. 2EC = 2 End Caps SE Straight Extension, 0.5"-8.5" Enter quantity. 2SE = 2 Straight Extensions | NL Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row | EF 10W Emergency Battery Pack. Enter quantity. 2EF = 2 emergency batteries/row. ¹⁰ | W1 No Thru Wire W2 Provide Normal and Emergency/ Nightlight Thru Wiring ¹¹ W3 Provide Normal Thru Wiring Only | CCEA Chicago Environmental Air Modification | WSC Wall/Slot Corner, 0.5"-8.5" |

Control Options⁴

NX Standalone

NXS NX, PIR BT Occupancy/Daylight Sensor, Slide Mount^{13,14,15}

NX Networked – Wired

NXE NX, Dual SmartPORTs^{13,14}

NXES NX, PIR BT Occupancy/Daylight Sensor, Slide Mount, Dual SmartPORTs^{13,14}

NX Networked – Wireless

NXSW NX Wireless, PIR BT Occupancy/Daylight Sensor^{13,14,15}

NXWE NX Wireless Wireless Enabled^{13,14}

NX Networked – Wired/Wireless

NXSWD NX Wireless, PIR BT Occupancy/Daylight Sensor, Dual SmartPORTs^{13,14,15}

NXWD NX Wireless, Dual SmartPORTs^{13,14}

Sensors

SD1 Daylight Sensor Required. Enter quantity. 2SD1 = 2 daylight sensors/row

SO1 Occupancy Sensor Required. Enter quantity. 2SO1 = 2 occupancy sensors/row

SZ1 Zigbee Radio Module Required. Enter quantity. 2SZ1=2 radio modules/row. Radio controls up to 10 drivers. Must be ordered with D00. Only available in 4", WS0 option

Notes:

- Ceiling Type cannot be retrofitted in the field
 - Not Available with Patterns.
 - Visit www.litecontrol.com/finishes for details.
 - Additional lead time may be applicable. Contact factory.
 - Must be ordered with D05 Driver option; excludes 2' lengths and patterns.
 - Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
 - D030 not available in 2'
 - Must be ordered with 2230TD, 2750T or 2765T Option
 - Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LEC) Dimming Drivers
 - EF - 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others.
 - Only applicable when specified with Emergency/Nightlight.
 - Contact Factory for pattern configurations. Approval drawings required.
- NX In-Fixture Control Options:**
- Not available for row mounting. Only available with 0-10V Driver options. Contact factory for Length restrictions.
 - Refer to [NX Integrated Controls Reference Table](#) for Functionality of Options.
 - NX Sensors with Bluetooth, BLE, provides remote commission only.

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CONTROLS



NX Distributed Intelligence™ Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid. Integrates with and enables a wide array of luminaires including those with SpectraSync Color Tuning Technology.

| NX INTEGRATED CONTROLS REFERENCE | | | | | | | | |
|--------------------------------------|-----------|-------------|------------|-----------|---------------------|---------------|----------------|---|
| NX Option | Sensor | Networkable | Scheduling | Occupancy | Daylight Harvesting | 0-10V Dimming | On/off Control | Bluetooth® App Programming |
| NX Standalone | | | | | | | | |
| NXS | NXSMP-SMI | No | Yes | Yes | Yes | Yes | Yes | Yes |
| NX Networked – Wired | | | | | | | | |
| NXE | N/A | Yes | Yes | No | No | Yes | Yes | Requires NXBTC/R ¹ |
| NXES | NXSMP-SMI | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| NX Networked – Wireless | | | | | | | | |
| NXSW | NXSMP-SMI | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| NXWE ² | N/A | Yes | Yes | No | No | Yes | Yes | No ³ |
| NX Networked – Wired/Wireless | | | | | | | | |
| NXSWD | NXSMP-SMI | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| NXWD | N/A | Yes | Yes | No | No | Yes | Yes | Requires NXBTC/R ^{1,3} |

- 1 NXBTC/R needs to be plugged into an available NX SmartPort™ on the fixture network
- 2 Programming via App requires factory assistance
- 3 To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that

SpectraSync™ Color Tuning Technology:

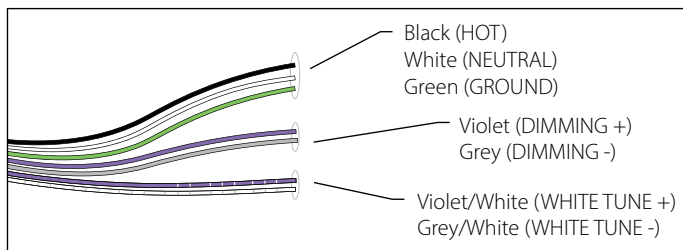
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



| SPECTRASYNCH 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-5000K 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-5000K 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 two options: 2750T (2700K–5000K) or 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

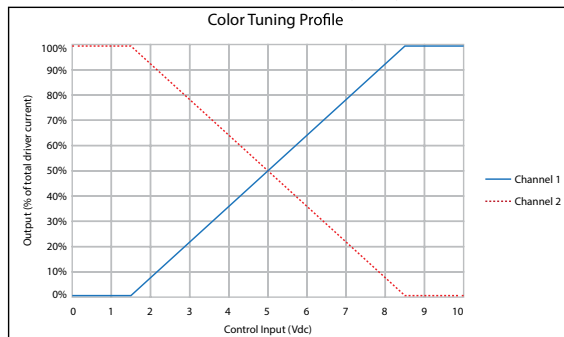


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and grey circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

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

- Hubbell Control Solutions (HCS): NX Distributed Intelligence™ Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NDTV 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 |
|------------------|-----------|------|----------|
| Downlight | | | |
| D030 (min) | 300 | 2.6 | 118 |
| D035 | 350 | 3.0 | 118 |
| D040 | 400 | 3.4 | 118 |
| D045 | 450 | 3.8 | 118 |
| D050 | 500 | 4.2 | 118 |
| D055 | 550 | 4.7 | 117 |
| D060 | 600 | 4.8 | 117 |
| D065 | 650 | 5.6 | 116 |
| D070 | 700 | 6.1 | 116 |
| D075 | 750 | 6.5 | 115 |
| D080 | 800 | 7.0 | 113 |
| D85 | 850 | 7.5 | 113 |
| D090 | 900 | 7.9 | 113 |
| D095 | 950 | 8.5 | 112 |
| D100 | 1000 | 9.0 | 112 |
| D105 | 1050 | 9.4 | 111 |
| D110 | 1100 | 10.0 | 110 |

(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 - Direct | | Output LPA | | | | |
|-----------------------|---|-----------------|-----------------|------------|------------|------------|
| | | 300 | 350 | 400 | 450 | 500 |
| Length (feet) | 2 | LEC, DALI, 347V | LEC, DALI, 347V | DALI, 347V | DALI, 347V | DALI, 347V |
| | 3 | DALI, 347V | DALI, 347V | | | |

Output Multiplier Table

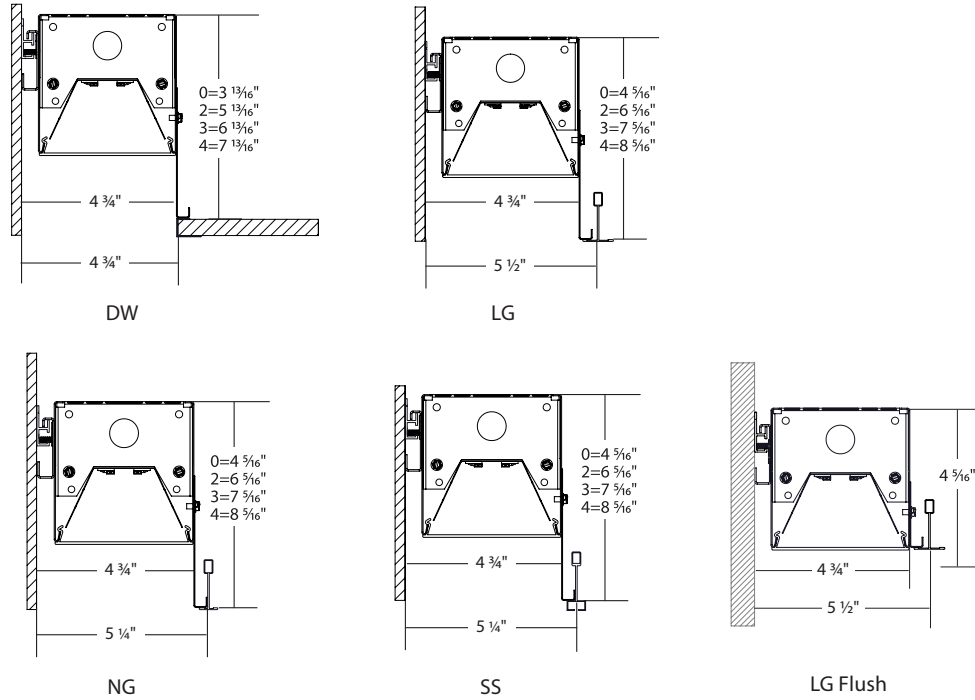
Photometrics for the 4L are published here at a nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

| Option | 2700K | 3000K | 3500K | 4000K | 5000K | 2700K 90 CRI | 3000K 90 CRI | 3500K 90 CRI | 4000K 90 CRI | 5000K 90 CRI |
|--------|-------|-------|-------|-------|-------|--------------|--------------|--------------|--------------|--------------|
| SOF | 0.95 | 0.98 | 1.00 | 1.03 | 1.05 | 0.83 | 0.85 | 0.88 | 0.90 | 0.93 |
| BWO | 0.67 | 0.69 | 0.70 | 0.72 | 0.76 | 0.63 | 0.53 | 0.47 | 0.42 | 0.39 |

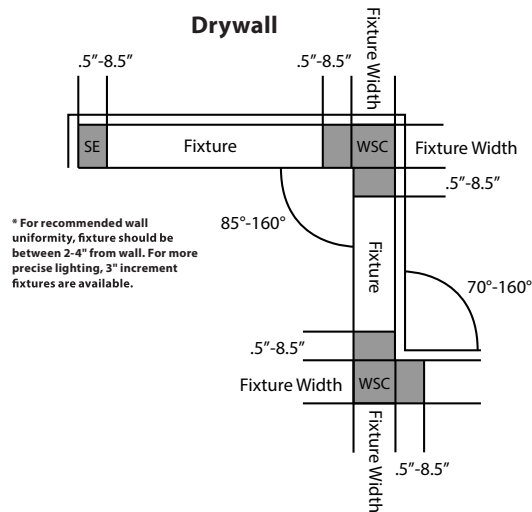
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DIMENSIONS



INDIVIDUAL MOUNTING



PATTERNS

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PHOTOMETRY

6L-R-D-04-SOF-X-CX-35K-D100

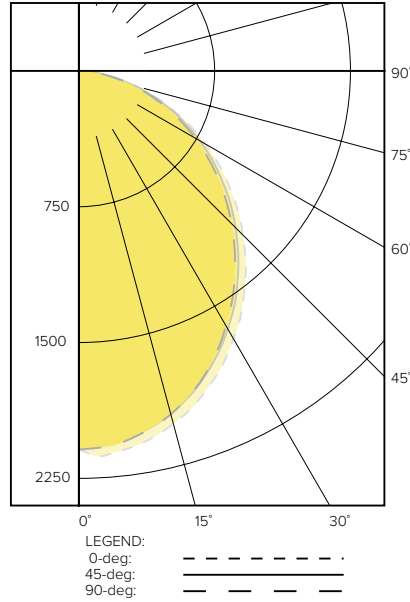
LUMINAIRE DATA

| | |
|------------------|---|
| Description | 6L Wall/Slot Direct, Soft Diffuse Lens, 3500K |
| Delivered Lumens | 4000 |
| Watts | |
| Efficacy | 118 |
| Mounting | Wall |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|---------|-------------|
| 0-40 | 1884.30 | 47.10 |
| 0-60 | 3205.40 | 80.10 |
| 0-90 | 3999.70 | 100.00 |
| 0-180 | 4000.30 | 100.00 |

POLAR GRAPH

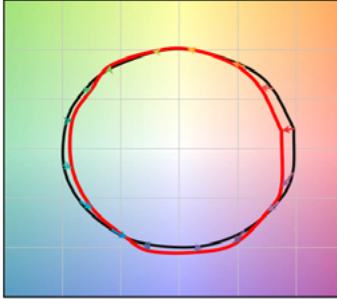


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TM-30 DATA

COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC



| TEST RESULTS - 3500K | |
|----------------------|---------|
| Value | 80+ CRI |
| CCT (K) | 3494 |
| CIE R _a | 83 |
| D _{uv} | -0.0004 |
| R _f | 82 |
| R _g | 96 |
| x | 0.4052 |
| y | 0.3898 |

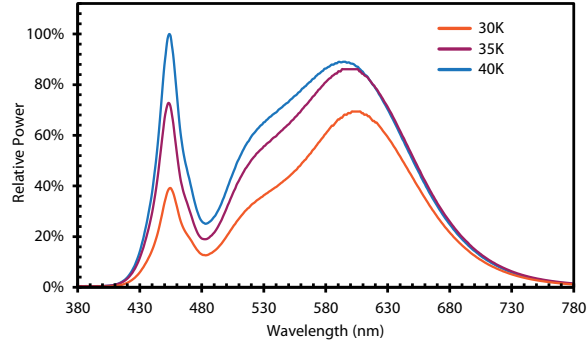
*Graphics shown are at 35K

— Reference Illuminant — Test Source

COLOR CHARACTERISTICS:

| Value | Ordering Code | | |
|-----------------|---------------|---------|---------|
| | 30K | 35K | 40K |
| R _f | 83 | 82 | 82 |
| R _g | 96 | 96 | 96 |
| CCT (K) | 3009 | 3494 | 3975 |
| D _{uv} | -0.0009 | -0.0004 | -0.0003 |
| x | 0.435 | 0.4052 | 0.3814 |
| y | 0.4012 | 0.3898 | 0.3768 |
| CIE Ra | 83 | 83 | 84 |

SPECTRAL DISTRIBUTION:

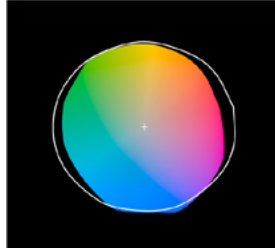
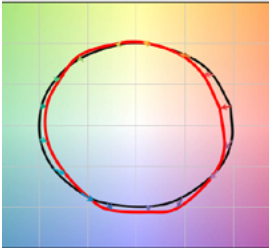


COLOR VECTOR GRAPHIC:

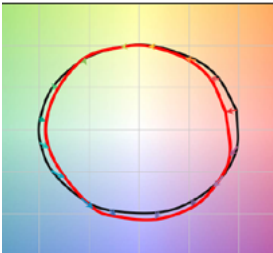
30K



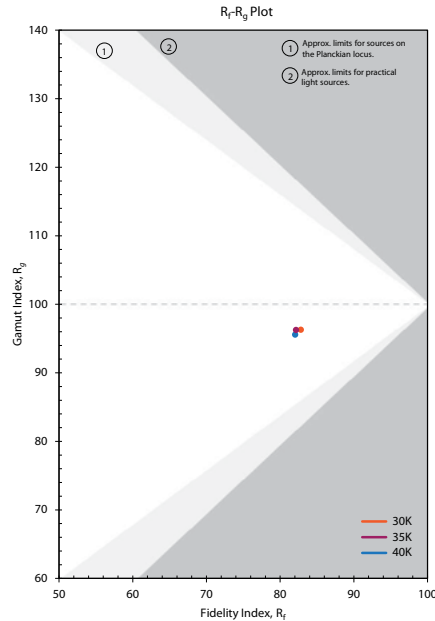
35K



40K



COLOR GAMUT/FIDELITY PLOT:



CRI: 80 MINIMUM

| CCT | CRI | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|-----|-----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 30K | 83 | 82 | 91 | 97 | 81 | 82 | 89 | 84 | 62 | 13 | 79 | 79 | 69 | 84 | 99 |
| 35K | 83 | 81 | 89 | 95 | 81 | 81 | 85 | 86 | 65 | 13 | 73 | 79 | 62 | 83 | 97 |
| 40K | 84 | 82 | 90 | 94 | 82 | 82 | 85 | 87 | 68 | 17 | 74 | 80 | 60 | 84 | 97 |

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MOD™ 6 LED WALL/SLOT DIRECT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

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