

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

# 15L

15 LED CONCEALED COVE

## FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 2 SDCM color consistency
- 10 color temperature choices
- Available with optional High Performance Reflector (HPR)
- Asymmetric distribution



## SPECIFICATIONS

### CONSTRUCTION

- Steel housing
- Ends provided with 7/8" diameter hole to accommodate wiring
- Aluminum LED module snaps into housing

### OPTICAL PERFORMANCE

- 2 SDCM color consistency, 80 or 90 CRI

### INSTALLATION

- Install in cove (provided by others)
- Interior cove dimensions should allow for a 4.5" x 1.5" cross-section
- For maximum efficiency, wall and ceiling above cove should have matte surfaces with high reflectances

### ELECTRICAL

- 1C (1 Circuit) fixture wired for a single circuit
- LED boards and drivers can be accessed and removed from fixture, while installed

### CERTIFICATIONS

- CSA listed for damp locations
- IBEW
- AF of L
- 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](#).

### 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	300-1000
Wattage Range Per Foot	3.0-12.3
Efficacy Range (LPW) Per Foot	81.6-98.5
Rated Life (Hours) Per Foot	L70: >36,288 L90: >36,288

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## ORDERING GUIDE

Example: 15L-CC-AI-24-8-C1-35K-I100-D01-1C-UNV-W3

CATALOG # \_\_\_\_\_

15L	Series	Mounting	Fixture Distribution	Row Length (In Feet)	Max Length In Row	Finish/Color <sup>1</sup>	Color Temperature
15L	Cove-15	CC Concealed Cove	AI Asymmetric Indirect	___' Enter in foot increments	<b>2</b> 24", 610mm <b>3</b> 36", 914mm <b>4</b> 48", 1219mm <b>6</b> 72", 1829mm <b>8</b> 96", 2438mm	C1 Matte White	<b>27K</b> 2700K <sup>2</sup> <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K <b>50K</b> 5000K <sup>2</sup> <b>27K9</b> 2700K, 90 CRI <sup>2</sup> <b>30K9</b> 3000K, 90 CRI <b>35K9</b> 3500K, 90 CRI <b>40K9</b> 4000K, 90 CRI <b>50K9</b> 5000K, 90 CRI <sup>2</sup>

Output/ft <sup>3</sup>	Driver	Circuiting	Voltage	Thru-wiring
<b>I030</b> 300 (min) to <b>I100</b> 1000 (max)	<b>D01</b> 1% Dimming, 0-10V <b>D00</b> 1% Dim-to-Off, 0-10V <b>DS1</b> 1% Dimming w/ Soft Start, 0-10V <b>DS0</b> 1% Dim-to-Off w/ Soft Start, 0-10V <b>LEC</b> Hi-lume 1% Ecosystem LED Driver <b>DALI</b> DALI <sup>2</sup> <b>DALIP</b> Powered by DALI (2.0) <sup>2</sup> <b>NDM</b> Non Dimming	<b>1C</b> 1 Circuit	<b>UNV</b> Universal Voltage (120V through 277V) <b>347</b> 347 Volt <sup>2,5</sup>	<b>W1</b> No Thru Wire <b>W2</b> Provide Normal and Emergency/Nightlight Thru Wiring <sup>4</sup> <b>W3</b> Provide Normal Thru Wiring Only

## OPTIONAL

Nightlight	High Performance Reflector	Adjustable Mounting Angle	Corner Wiring Kit
<b>NL</b> Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row	<b>HPR</b> High Performance Reflector	<b>AMA</b> Adjustable Mounting Angle	<b>WKC</b> Corner Wiring Kit (¾" Flex Whip)

Notes:

- 1 Visit [www.litecontrol.com/finishes](http://www.litecontrol.com/finishes) for details.
- 2 Additional lead time may be applicable. Contact factory.
- 3 Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
- 4 Only applicable when specified with Emergency/Nightlight.
- 5 Excludes LEC, DALI, and DALIP Dimming Drivers.

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## PERFORMANCE DATA TABLE

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

NOMENCLATURE	LUMENS/FT	WATTAGE/FT	EFFICACY
I030	300	3.0	98.5
I035	350	3.6	97.3
I040	400	4.2	96.4
I045	450	4.7	95.6
I050	500	5.3	95.1
I055	550	5.8	95.7
I060	600	6.3	95.6
I065	650	6.9	93.9
I070	700	7.8	90.3
I075	750	8.6	87.4
I080	800	9.1	87.6
I085	850	10.0	85.0
I090	900	10.8	83.7
I095	950	11.5	82.6
I100	1000	12.3	81.6

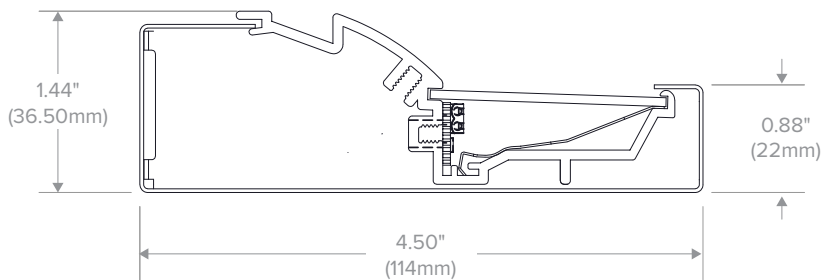
(Data shown is for a 4 ft fixture. Wattage may vary up to 5% from published)

### Output Multiplier Table

Photometrics for the 15L 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.

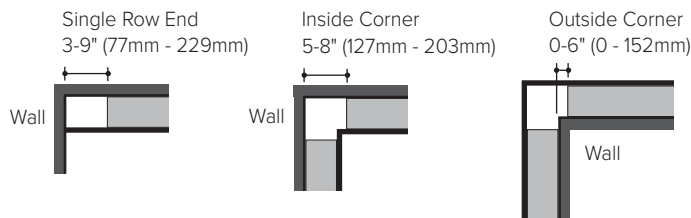
Option	2700K	3000K	3500K	4000K	5000K	2700K 90 CRI	3000K 90 CRI	3500K 90 CRI	4000K 90 CRI	5000K 90 CRI
Multiplier	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93
HPR Multiplier	0.97	1.00	1.02	1.05	1.07	0.85	0.87	0.90	0.92	0.95

## DIMENSIONS



### Recommended Fixture Positioning

Positioning at Ends and Corners

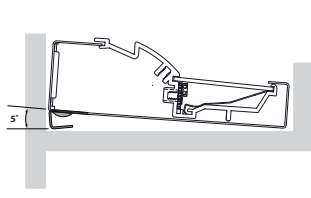


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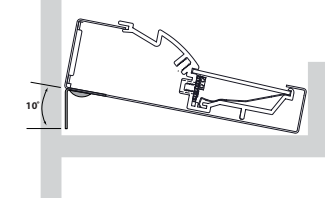
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## DIMENSIONS CONTINUED

Adjustable Mounting Angle (AMA5)

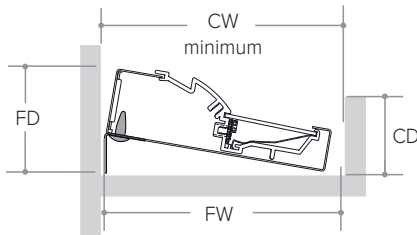


Adjustable Mounting Angle (AMA10)



Angle of Tilt	Ordering Option	Fixture Depth (FD)	Fixture Width (FW)	Cove Depth (CD) to Completely Conceal Fixture at 0° Tilt*	Recommended Cove Width (CW)
0°	standard	1.50" (38mm)	4.50" (114mm)	1.75" (44mm)	4.75" (121mm)
5°	AMA5	1.88" (48mm)			
10°	AMA10	2.25" (57mm)			

\*Note: When using the AMA option, refer to photometric data to ensure that cove height does not interfere with peak output.



## PHOTOMETRY

### 15L-CC-AI-2-X-C1-35K-I050

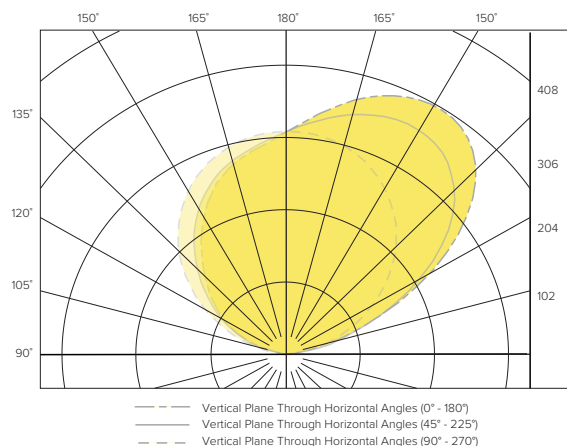
#### LUMINAIRE DATA

Test No.	19.01278
Description	2' Linear Concealed Cove Uplight w/ Frosted Acrylic Lens
Delivered Lumens	1000
Watts	10.0W
Efficacy	100
Mounting	Perimeter

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
90-130	367.45	36.70
90-150	739.28	73.90
90-180	1000.02	100.0
0-180	1000.02	100.0

#### POLAR GRAPH



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## PHOTOMETRY CONTINUED

### 15L-CC-AI-2-X-C1-35K-I050-HPR

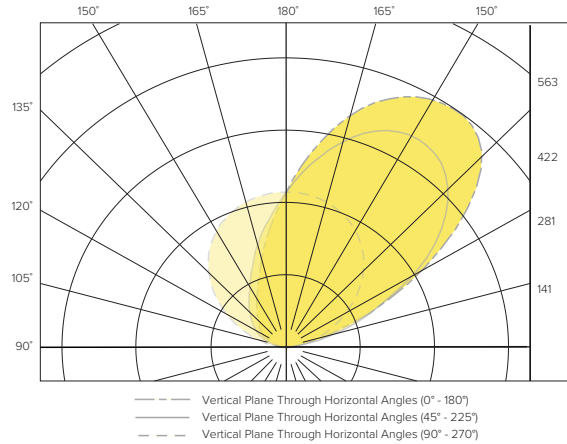
#### LUMINAIRE DATA

Test No.	19.01282
Description	2' Linear Concealed Cove Uplight w/ Frosted Acrylic Lens & Specular Miro Reflector
Delivered Lumens	1020
Watts	10.0W
Efficacy	102
Mounting	Perimeter

#### ZONAL LUMEN SUMMARY

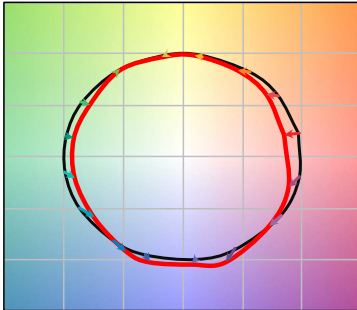
Zone	Lumens	% Luminaire
90-130	376.44	36.90
90-150	763.13	74.80
90-180	1020.11	100.0
0-180	1020.11	100.0

#### POLAR GRAPH



#### TM-30 DATA

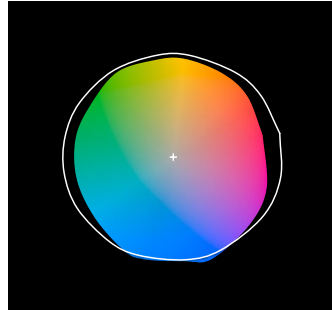
##### COLOR VECTOR GRAPHIC



\*Graphics shown are at 35K

— Reference Illuminant — Test Source

##### COLOR DISTORTION GRAPHIC



#### TEST RESULTS - 3500K

Value	80+ CRI
CCT (K)	3750
CIE R <sub>a</sub>	83
D <sub>UV</sub>	-0.0005
R <sub>f</sub>	82
R <sub>g</sub>	94
x	0.3917
y	0.3823

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## ADDITIONAL INFORMATION

### Output (VI Technology)

Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. See output section for available increments.

### 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.
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.

### Adjustable Mounting Angle

Snap-on accessory which tilts fixture to lower beam throw. May result in direct view of LEDs - see page 4.

### High Performance Reflector (HPR)

Specular reflector and standard diffuse lens which provides greater peak intensity at a lower angle - output multiplier (1.02).

### Rated Life

Tested in accordance to LM79-2008 & derived from EPA TM21 calculator

L70: >36,288 (reported per TM21/LM80 6x's limitation)

L90: >36,288 (reported per TM21/LM80 6x's limitation)

### Fixture Weight

2.5 lbs/ft.