

## **LIGHTING DESIGN SCHEMATIC DEVELOPMENT NARRATIVE**

### **APPLICABLE CODES, GUIDELINES AND STANDARDS**

- A. Lighting system will be designed to comply with the requirements of the latest applicable codes and standards including, but not necessarily limited to the following:
- 2021 NEC National Electrical Code
  - 2018 International Energy Conservation Code
  - 2018 International Building Code

### **EXTERIOR LIGHTING & CONTROLS**

The exterior lighting will be accomplished utilizing high-efficient LED lighting with a color temperature of 4000 deg. Kelvin for all general lighting.

Building mounted lighting will be utilized for much of the exterior lighting. It will be accompanied with Accent lighting around the roof parapets and possible color changing accent lighting installed on exterior building accents, bump-outs, and canopies.

*(F#) below refers to attached cutsheet of Basis of Design Fixture*

1. The following are the Basis of Design fixtures for the exterior lighting:
  - Building Mounted: Lithonia Lighting - ARC2 LED (F1)
  - Roof Parapets: Kelvix Itg – SIGNWAVE 5 series (F2)
  - Exterior Accents: Kelvix Itg – SIGNWAVE 5 series (F2)
  
2. The exterior lighting will be controlled by a Lighting control panel with ON/OFF controls programmed via Astronomical timeclock and photocell inputs.
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

# Children's Museum of the Magic Valley

Twin Falls, Idaho

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## **INTERIOR LIGHTING & CONTROLS**

The Interior lighting will be accomplished with high-efficient LED, 4000 deg. Kelvin fixtures. There will be a wide variety of fixture types throughout the interior spaces to accommodate the functionality of the space while also providing usable light and creating a fun and inviting environment. The Layout and fixture types will be coordinated with Architectural reflected ceiling plans, design elements, exhibits and functionality of the space.

Below is a breakdown of the lighting and controls for the spaces throughout the building. (F#) below refers to attached cutsheet of Basis of Design Fixture

### **A. BACK OF HOUSE AREAS (ELECTRICAL ROOMS, MECH. ROOMS, CUSTODIAL, ETC):**

1. Lighting Fixture(s): 4ft & 8ft LED strip lights with field selectable Lumens/CCT
  - Lithonia Lighting – CSS Series (F3)
2. Lighting Controls: Standard switches, Wall mounted and Ceiling Mounted Occupancy Sensors as required by NEC and IECC codes.
  - Wall Sensors: Acuity Brands – WSX Series
  - Ceiling Sensors: Acuity Brands – CMR PDT Series.

### **B. OFFICES, BREAK ROOMS, WORK ROOMS, OPEN OFFICES, NURSING AND KITCHEN:**

1. Lighting Fixture(s): 2x2 and 2x4 Flat Panels with field selectable Lumens/CCT, integrated wireless occupancy sensors
  - Lithonia Lighting – CPX Series (F4)
2. Lighting Controls: A mixture of wall mounted wireless occupancy sensors with Dimming and fixture mounted wireless occupancy sensors.
  - Wall mounted Wireless controls: Acuity Brands – nLight Air RPODLA Series

### **C. CONFERENCE ROOM:**

1. Lighting Fixture(s): 12ft Linear Pendant LED w/ UP/DWN Light Dist.
  - Fluxwerx – FOLD Series (F5)
2. Lighting Controls: Ceiling mounted occupancy sensors with wall mounted Dimming Controls.
  - Wall Dimmer: Acuity Brands – sPODMRA D Series
  - Ceiling Sensors: Acuity Brands – CM PDT Series

***D. RESTROOMS:***

1. Lighting Fixture(s): 4ft and 8ft Wraparound with integrated wireless occupancy sensors.
  - Lithonia Lighting – BLWP Series (F6)
2. Lighting Controls: A mixture of wall mounted occupancy sensors and fixture mounted wireless occupancy sensors.
  - Wall Sensors: Acuity Brands – WSX Series

***E. VESTIBULE:***

1. Lighting Fixture(s): 6ft Diameter Suspended Ring, Direct/Indirect Dist.
  - ALW Lighting – MOONRING Series (F7)
2. Lighting Controls: Daylighting Ceiling sensor.
  - Ceiling Sensor: Acuity Brands – CM PC ADC Series

***F. STAIRWELL (STAIR-S1):***

1. Lighting Fixture(s): 4ft Diameter 'X' Shape Suspended LED, Direct/Indirect Dist.
  - Focal Point Ltg – SEEM 1 QUARTET Series (F8)
2. Lighting Controls: Lighting Control Panel/Local Ceiling Occupancy Sensors.
  - Ceiling Sensor: Acuity Brands – CM PDT Series
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

***G. STAIRWELL (STAIR-S2):***

1. Lighting Fixture(s): 3ft x 3ft Square Suspended LED, Direct/Indirect Dist.
  - Focal Point Ltg – NERA Series (F9)
2. Lighting Controls: Lighting Control Panel/Local Ceiling Occupancy Sensors.
  - Ceiling Sensor: Acuity Brands – CM PDT Series
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

***H. RETAIL AND ORIENTATION SPACES:***

1. Lighting Fixture(s): A mixture of Architectural 2x2 lay-in and 4" pendant cylinders
  - Architectural 2x2: Focal Point – NIVO Series (F10)
  - Pendant Fixtures: Gotham Ltg – INCITO Series (F11)
2. Lighting Controls: Lighting Control Panel, Wall switches and ceiling sensors.
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

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## ***I. MAIN RECEPTION AREA/COUNTER:***

1. Lighting Fixture(s): A mixture of 6" Round Downlights and Acoustical Pendant Lights.
  - Downlights: Lithonia Lighting – LDN6 Series (F12)
  - Acoustical Pendants: LightArt Ltg – ECHO Series (F13)
2. Lighting Controls: Lighting Control Panel, Wall switches and ceiling sensors.
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

## ***J. PARTY/CLASSROOM & ART ROOMS:***

1. Lighting Fixture(s): 2x2 and 2x4 Flat Panels with field selectable Lumens/CCT, integrated wireless occupancy sensors
  - Lithonia Lighting – CPX Series (F4)
2. Lighting Controls: A mixture of wall mounted wireless occupancy sensors with Dimming and fixture mounted wireless occupancy sensors.
  - Wall mounted Wireless controls: Acuity Brands – nLight Air RPODLA Series

## ***K. STORY TELLING SPACE:***

1. Lighting Fixture(s): 3,5,9-cell configurable color changing layin fixture & 10ft Track Lighting for Stage
  - Layin Fixtures: Mark Architectural Ltg – RUBIK Accent Series (F14)
  - Track Lighting: Juno Lighting – T Series Track w/ T286L Heads (F15)
2. Lighting Controls: A mixture of wall mounted dimming controls, nLight nTune wall controls and ceiling occupancy sensors.
  - Wall mounted controls: Acuity Brands – nLight nTune Series
  - Ceiling Sensors: Acuity Brands – CM PDT Series

## ***L. EXHIBIT AREAS:***

1. Lighting Fixture(s): 2.5" wide variable length Linear Acoustic Suspended LED w/ Direct/Indirect distribution for general lighting & variable track lighting for exhibits. Flexible color changing Architectural accents.
  - General Lighting: Focal Point Ltg – SEEM 2 ACOUSTICS (F16)
  - Track Lighting: Juno Lighting – TEK Series Track w/ T257L & T387L G2 Heads (F17A, F17B)
  - Architectural Accent Lighting: Kelvix Ltg – SIGNWAVE 5 series (F2)
2. Lighting Controls: Lighting Control Panel, Wall switches and ceiling sensors.
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

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### ***M. SKY LIGHT BOX:***

1. Lighting Fixture(s): Linear wall mounted Color Changing LED with Up/Dwn Distribution.
  - Lumenpulse Lighting – LUMENLINE 2 Series (F18)
2. Lighting Controls: Lighting Control Panel, Wall switches and ceiling sensors.
  - Control Panel: Acuity Brands – nLIGHT ARP Panel

### **EMERGENCY & EGRESS LIGHTING**

Emergency egress lighting will be provided as required utilizing Emergency Battery Packs and/or inverters in all egress paths as indicated by project Architect. EXIT signs will be Edge-lite LED type, located in all paths of egress in accordance with requirements Life Safety Code.

1. Exit Signs: Lithonia Lighting – EDG Series (F19)

**END OF NARRATIVE**

F1

# ARC LED

Visually Comfortable Wall-Mounted Luminaires

## Upgrade Your Expectations

It's time to upgrade your expectations when it comes to upgrading wall-mounted lighting. The all-new Lithonia Lighting® ARC LED wall-mounted luminaires combine visually comfortable illumination and architectural styling to create an affordable lighting upgrade that you can be proud of, while saving 80% in energy costs. No ugly fins, no blinding LED's... ARC LED is your new best choice for wall-mounted luminaires.

With two sizes and lumen packages ranging from 1,500 to 6,500 lumens, the ARC family is ideal for applications from over-the-door lighting to mounting heights of up to 15 feet. Emergency battery pack, photocell, CCT and finish options make the ARC configurable to meet the needs of any application. Since the ARC LED luminaires are made in North America, all these options are available with industry-leading quick delivery.



### Quick Facts:

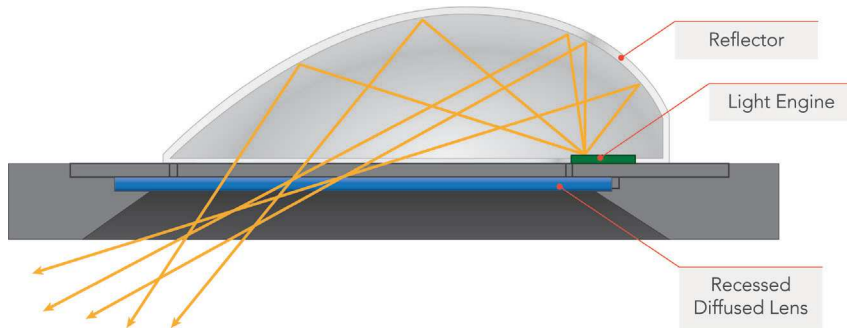
- Visually comfortable optics
- Two sizes deliver 1,500 to 6,500 lumens
- Replace 70W to 250W metal halide
- Integral photocell and battery pack options
- 3000K, 4000K and 5000K CCT (80 CRI)
- DLC Premium listed\*
- 5-year limited warranty



\* Not all options are DLC premium

# ARC LED Wall-Mounted Luminaires

## Visually Comfortable Optics

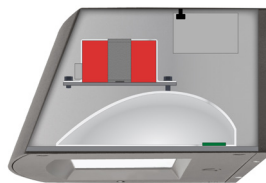


Recessed diffused lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixelization and harsh glare.

## Key Features



Clean look with no fins for a true architectural style that looks great on any building.



Emergency battery backup integrated into the luminaire housing for a clean aesthetic.



Built-in wet location wiring compartment for applications with no existing junction box.

## Ordering Information

### ARC LED

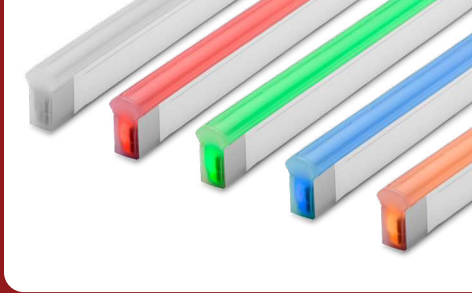
Series & Package	Color Temperature	Voltage	Options	Finish
<b>ARC1 LED</b>	<b>30K</b> 3000K, 80 CRI	<b>MVOLT</b> 120-277V	<b>E4WH</b> Emergency battery backup, CEC compliant (4W, 0°C min)	<b>DDBXD</b> Dark Bronze
				<b>DNAXD</b> Black
	<b>P3</b> 3,000 Lumens	<b>40K</b> 4000K, 80 CRI	<b>347<sup>1</sup></b> 347V	<b>E8WC<sup>2</sup></b> Emergency battery backup, CEC compliant (8W, -20°C min)
<b>ARC2 LED</b>	<b>50K</b> 5000K, 80 CRI		<b>PE</b> Photocell, Button Type	<b>DWHXD</b> White
				<b>DDLBXD</b> Textured Dark Bronze
				<b>DDLBXD</b> Textured Black
				<b>DNATXD</b> Textured Natural Aluminum
				<b>DWHGXD</b> Textured White
			<b>FAO<sup>3</sup></b> Field adjustable light output device (allows for easy adjustment to the desired light levels, from 20% to 100%)	
			<b>DMG<sup>3</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	

Consult factory for other finish options

NOTE:  
 1. 347V not available with E4WH and E8WC  
 2. E8WC only available on ARC2  
 3. FAO and DMG not available together

Visit [www.lithonia.com](http://www.lithonia.com) for more information

# F2



## Signwave® 5 Silicone

WIDE VIEW FLEXIBLE LIGHTING SYSTEM



### I Description

High brightness, a wide viewing angle, and multiple configurations make Signwave 5 our best seller. Offered in static colors, RGBW, and Color Tuning, this series tackles projects with fluid, seamless connections.

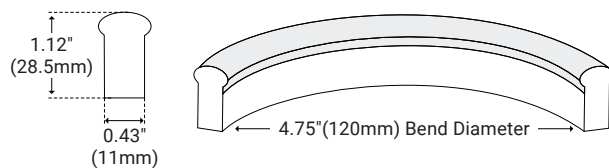
### I Features

- Dimmable
- 50,000 Hour Life
- Domed Profile for Large Beam Angle
- IP68
- UL-Listed for Indoor and Outdoor Use
- Factory-Installed Power Feed
- Injection-Molded Flush End Caps
- For Use with 24V Power Supplies

### I Specifications

Series	SW5S
Temp/Color	Static White, Red, Green, Blue, Amber, RGBW, CT (2200K–5700K)
Input Voltage	24V DC
Lumens per Foot	162 lm/ft (Static White)
Watts per Foot	2.2–4.6 <sup>†</sup>
Beam Angle	320°
CRI	80+
Max Run Length	Unlimited <sup>†</sup>
Dimensions	0.62" (16.0mm) × 0.68" (17.0mm)
Dimming Options	PWM, Triac, 0–10V, DMX, Hi-lume
Operating Temp	-40°F (-40°C) to 131°F (55°C)

### I Dimensions



<sup>†</sup> See Series Data for more information



F3



## CSS LED

### Contractor Single Strip Light

CSS is the Lithonia Lighting® go-to Contractor Select™ Strip.

This is the perfect strip to order for almost any basic application. From residential closet to commercial warehouse, the CSS features 2, 4 and 8 foot configurations with up to 10,000 lumens, all DLC listed - providing versatility for many applications.

With the ability to switch lumens and adjust color temperature in one fixture, CSS can be adapted to the needs of each project – 9 different variations within the same SKU!

The CSS can be surface mounted, suspended or row mounted. Additionally, can be opened without any tools. The quick disconnects between the driver and the LEDs allow you to remove the LED tray so it doesn't interfere with installation.

#### Features and Benefits

- 2', 4' and 8' lengths offering 1,500-10,000 lumens
- Available Switchable White and Adjustable Light Output technology
- L70 at 80,000 hours
- Diffuse acrylic lens
- Standard 0-10V dimming
- ANSI Standard of 2.5kV surge protection
- Optional integrated battery backup
- Optional quick connect wiring harness
- Optional motion sensor
- UVOLT 120-347V



DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

# CSS LED

## Switch it up!

Choose the CSS Switchable option for the ability to switch both lumens and color temperature in one fixture.

### Switch and Features

Adjustable Lumens: (2') 1,500L to 3,000L  
(4') 3,000L to 5,000L  
(8') 6,000L to 10,000L

Switchable White: 3500K to 5000K



### Great for:

#### Distributors

- Stock 9 different configurations with 1 SKU!
- Increase inventory turns
- Fewer orders from the factory

#### Contractors

- Easier to keep on hand
- Get on the job site quicker
- Fewer trips to distributor
- 1 SKU fits all solutions

#### End User

- Customizable to the space
- Set the look and feel
- Great for many applications

### Accessories

- Motion Sensor
- Aircraft Cable and V Hanger
- Stem Kit
- Junction Box Cover
- Field Installable Battery Backup
- Wire Guard
- Chain Hanger

### Applications



Locker room



Storage unit



Laundry room



Garage

F4



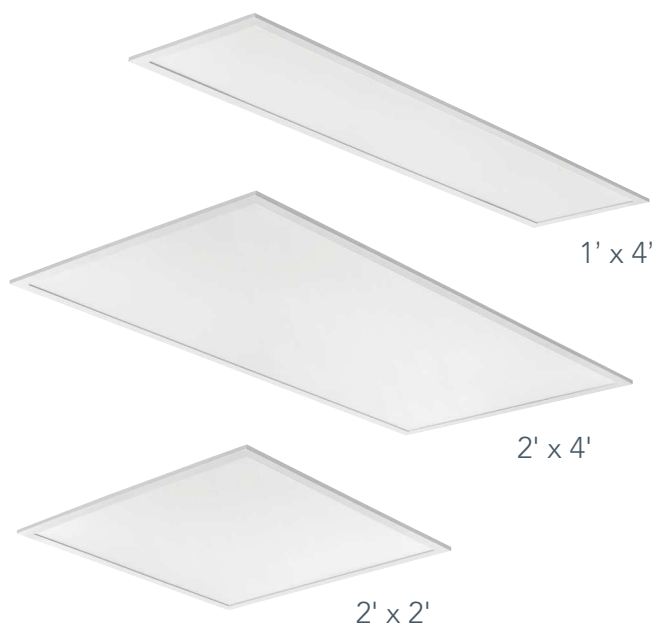
## CPX™ LED Panel

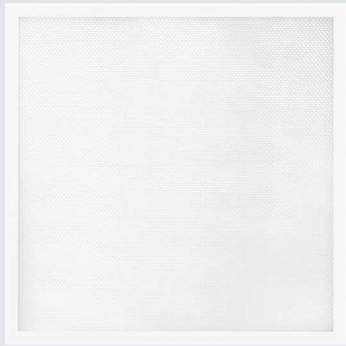
### Standard Panel for Everyday Jobs

CPX™ by Lithonia Lighting® is the perfect choice for a quality LED panel at an affordable price. The smooth, even lens projects a crisp and clean aesthetic and CPX helps you meet high demands & tight deadlines without sacrificing the quality you know and trust from Lithonia Lighting. CPX is the perfect choice for budget-conscious schools, commercial offices, commercial offices, retail, healthcare, and educational spaces.

#### Features and Benefits

- Fully luminous backlit Panel available in 1x4, 2x2, and 2x4 sizes
- Now Available with High Lumen Packages - up to 10,000 Lumens
- Saves time with easy installation
- Only brand name LEDs used that perform better and extend fixture life
- Wide range of configurable options available
- Controls available to provide functionality of spaces





**Typical Applications:**

*Health Clubs*

*Laundry Mats*

*Conference Rooms*

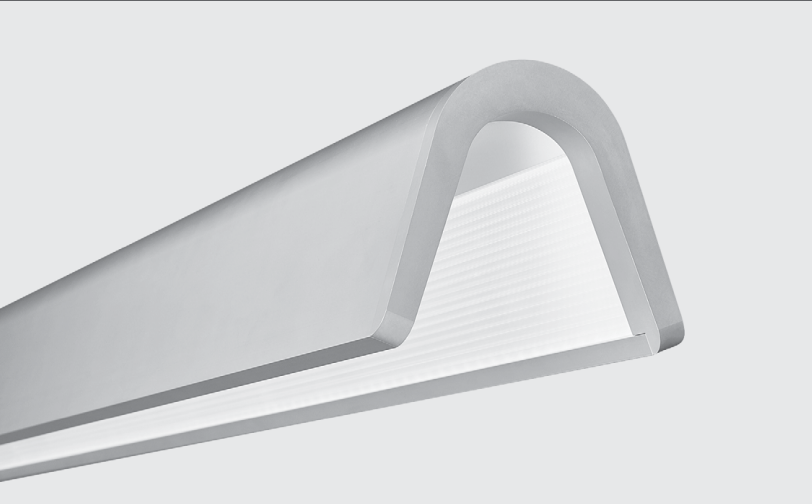
*Shops*

*Small Business*

*Schools*

*Hospitals*



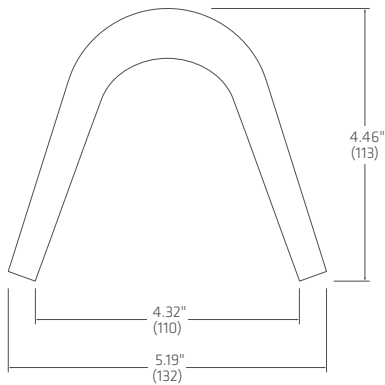


CATALOG #

PROJECT

NOTES

CROSS SECTION



PERFORMANCE FOCUS

45 Up | 55 Dn, 80 CRI 4000 K (FD1xAx40)

	Energy (W/4ft)	Light (lm/4ft)	Efficacy (lm/W)
A	19 W	2150	118
B	23 W	2600	117
C	29 W	3250	116
D	38 W	4150	113

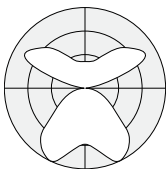
  

Color Matching (SDCM)	Lumen Maintenance (hr)	
	L90 per TM21	L70 Estimate
< 2	> 60,000	> 200,000

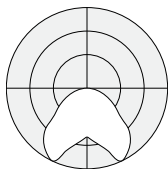
*Nominal values, refer to back pages for full performance data.*

DISTRIBUTIONS

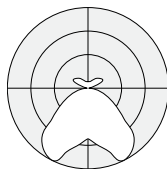
45 Up | 55 Dn (FD1xA)



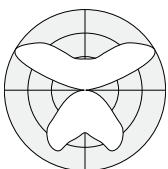
100 Dn (FD1xB)



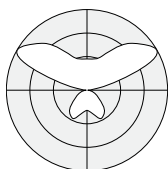
20 Up | 80 Dn (FD1xD)



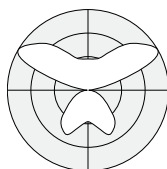
55 Up | 45 Dn (FD1xE)



65 Up | 35 Dn (FD1xF)



Indep. Up | Dn (FD3xB)  
(Full: 40 Up | 60 Dn)



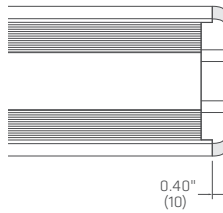
FEATURES

- Pure organic form with fully luminous, open interior. No horizontal lenses or diffusers.
- Fluxwerx Anidolic extraction optics provide precisely controlled optical distributions with no view of the LED point source, for low glare and wide row spacing.
- Up to 15 ft o.c. spacing, delivering 40 fc at less than 0.4 W/ft<sup>2</sup>.
- Four endcap styles, preinstalled for perfect fit and finish.
- Direct and direct/indirect general area lighting versions.
- Precision machined, clear anodized extruded aluminum body.

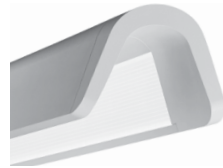
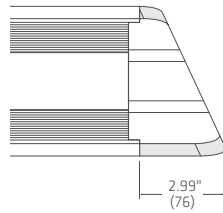


**ENDCAPS**

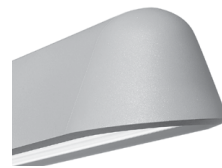
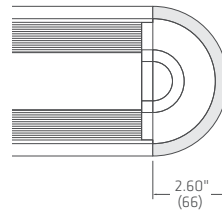
(A) ARCH



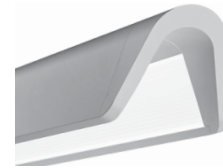
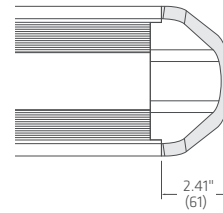
(B) OBLIQUE



(D) SHADE



(S) SLANT

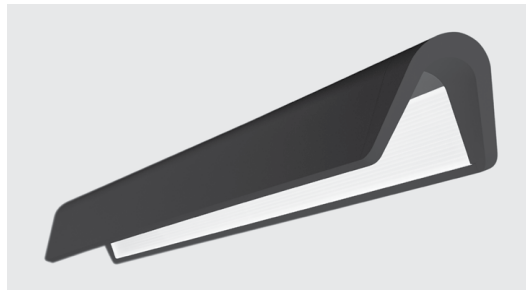


**FINISHES**

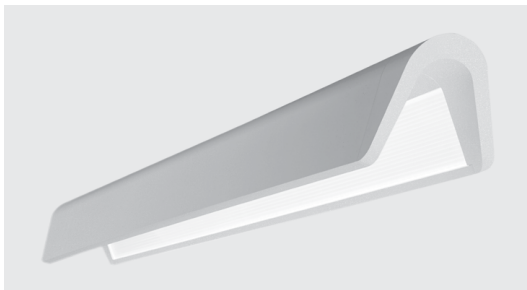
All finishes high temperature powder coated.



(A) CLEAR ANODIZED  
 Not available with (D) Shade Endcap.



(B) BLACK



(S) SILVER



(W) WHITE



CUSTOM

F6



## BLWP

### Low-Profile LED Wraparound

The BLWP is the most versatile linear fixture from Lithonia Lighting® with a contemporary design and numerous configurations and mounting options. BLWP matches seamlessly with the rest of the BL Family to give you a consistent look and performance throughout your entire building or campus.

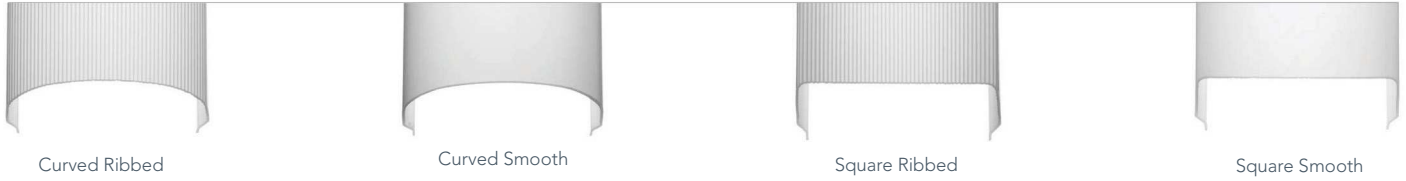
- **Flexibility of performance:** Lumen packages from 800 to 20,000 can meet nearly any lighting requirement
- **Efficiency in operation:** Efficacies up to 140 LPW maximize energy savings and rebates
- **Versatility with controls:** Control an entire campus or a single room with wired or wireless technology
- **Adaptability through mounting:** Mount to the ceiling, wall or surface or suspend to accommodate any design
- **Easy Installation:** Contractor friendly design with simple and easy installation

**4** Diffuser Styles

**3** Sizes

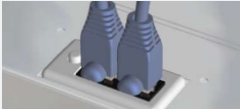
**15** Lumen Packages

### Diffuser Styles



### Embedded Lighting Controls

#### nLight® Networked Controls



nLight wired is the “plug n’play” controls solution for you. Take your space to the next level with features such as occupancy sensing, daylight harvesting, and even color tuning through nTune.



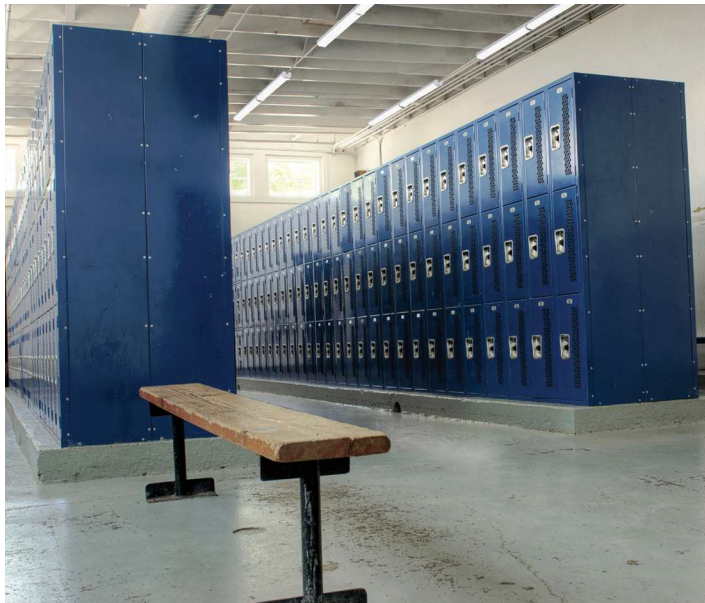
nLight AIR provides wireless controllability to your fixtures to dramatically reduce installation costs. Simply pair your nLight AIR enabled fixtures and devices with the CLAIRITY™ Pro app and you are ready to go.



#### Sensor Switch JOT Single Room Control



The Sensor Switch JOT enabled solution provides a wireless, app-free approach to single room lighting control. Absolutely no 0-10V control wires and no mobile apps are needed to install and pair JOT enabled products, allowing for lightning speed installation right out of the box.



### Complete Outfit

BLWP is part of the BL Family which includes the Contractor Select™ BLC center-basket troffer, the BLT configurable center-basket troffer, the BLTX surface mount troffer, the BLTBA bottom access troffer, and the BLTR relight assembly. Check out the family at <https://www.acuitybrands.com/products/family/bl-family>





# MOONRING 1.5 & 3

MR1.5 & MR3 | SUSPENDED, CEILING

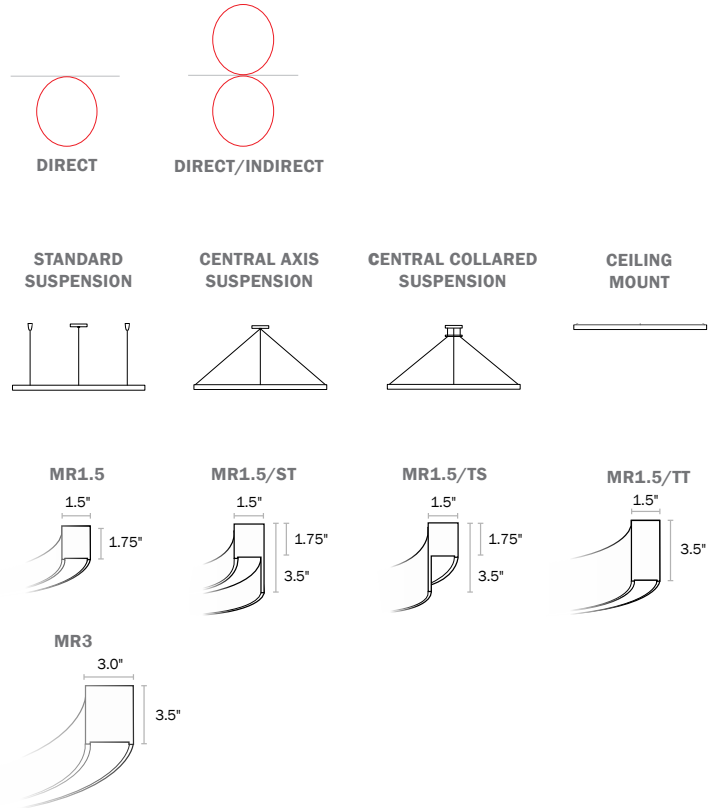
F7



## SPECIFICATIONS

<b>PROFILE</b>	Ring – 1.5in. & 3in. aperture – 1.5in. to 3in. wall height
<b>SIZES</b>	2ft. - 16ft. diameter ( <i>custom diameters available</i> )
<b>LED OUTPUT</b>	1,500lm - 56,700lm ( <i>238lm/ft - 1129 lm/ft</i> )
<b>CCT/CRI</b>	2700K/3000K/3500K/4000K • 80 or 90+ CRI Tunable White (2700K – 6500K) • RGB and RGB+W
<b>DIMMING/ DRIVER</b>	Remote Driver: 0-10V, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDs). Dimming to 0% for select models.
<b>POWER</b>	22W - 794W per ring
<b>INPUT</b>	120VAC, 277VAC, or 347VAC
<b>OPTICS</b>	Diffused acrylic lens – direct/indirect Optional clear (high transmission) lens – indirect
<b>FINISHES</b>	17 standard finishes at no extra charge Custom finishes available Two-tone paint ( <i>select models available with extra charge</i> )
<b>MATERIAL</b>	6061 Extruded & Welded Aluminum
<b>ENVIRONMENT</b>	Indoor, dry location only

## DISTRIBUTIONS & PROFILES



Not to scale. Dimensions are nominal. Consult factory for CAD drawing

\*Safety and Performance information available on last page. Weights and other specifications available on pages 4-10.



Rev 112023



## FINISHES

Standard finishes are available at no additional charge and no extended lead time for standard configurations. Two-tone paint options available for select models with extra charge.

### STANDARD FINISHES - QS ELIGIBLE



Brushed Aluminum  
QS



Aluminum Silver Anodized Effect  
QS



Satin White  
QS

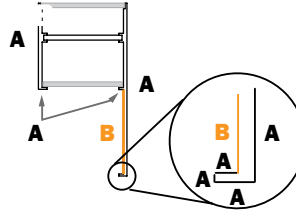


Satin Black  
QS

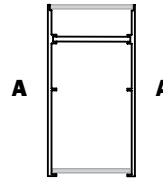


Textured Black  
QS

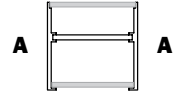
MR1.5/ST & TS



MR1.5/TT



MR1.5 & MR3



### PREMIUM FINISHES

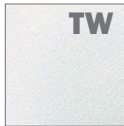
#### BASIC POWDER COAT



Gloss White

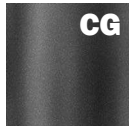


Antimicrobial Gloss White



Textured Matte White

#### METALLIC POWDER COAT



Charcoal Gray



Copper



Brass

#### SATIN ANODIZED EFFECT POWDER COAT



Oil-Rubbed Bronze



Dark Bronze

#### GLOSS POWDER COAT (80-95% GLOSS)



Orange  
RAL 2003



Red  
RAL 3020



Magenta  
RAL 4010



Blue  
RAL 5015

Contact ALW Quotes for sample paint finish swatches.

### SPECIAL ORDER FINISHES\*



#### RAL CLASSIC COLORS (80-95% GLOSS): RAL\_ \_ \_ \_

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003). See [www.alw-inc.com/resources/finishes](http://www.alw-inc.com/resources/finishes)



#### CUSTOM COLOR MATCH: CCM\_ \_ \_ \_

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

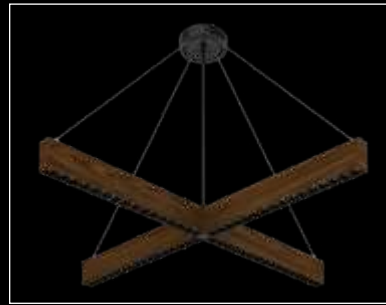
\*An individual setup fee will apply to each unique Special Order Finish per purchase order.  
(ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

\*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying

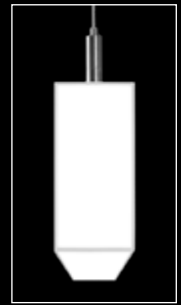
# Seem® 1 Quartet

LED DIRECT/INDIRECT

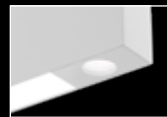
**F8**



The Naturals Collection - Walnut with Black Matte louver shown



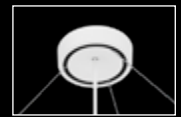
Lit end cap detail



Point Source ends detail

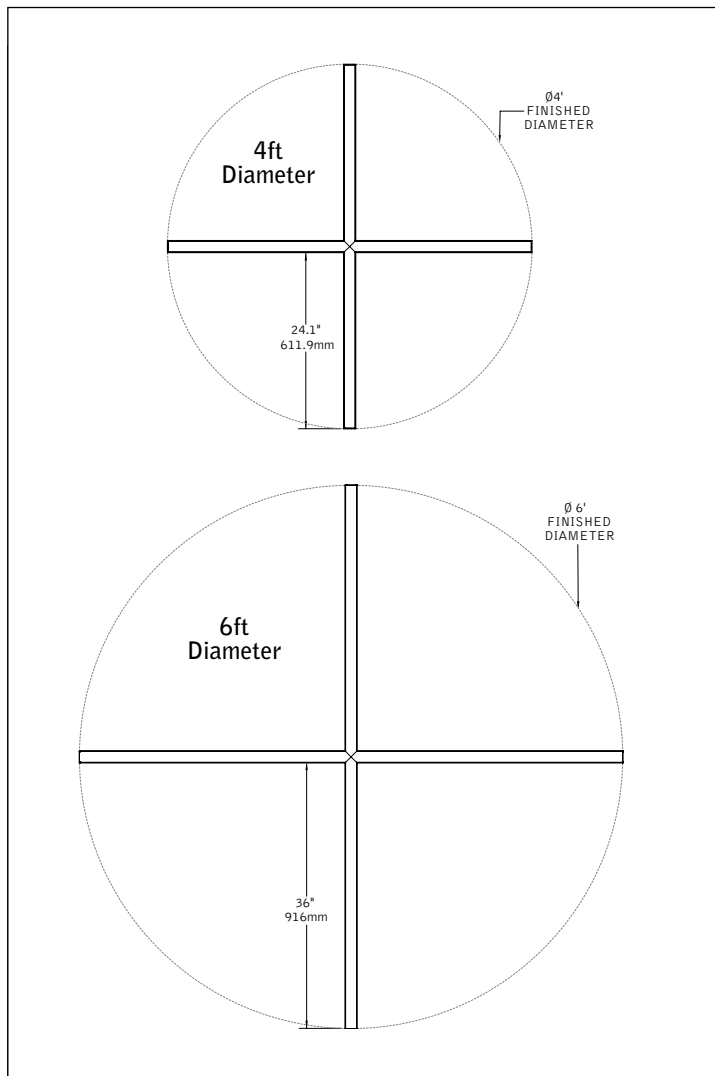


louver detail



Single point canopy detail

## DIMENSIONAL DATA



## FEATURES

Narrow 1.5" extruded aluminum 'X' shaped suspended direct/indirect LED luminaire with multiple shielding options.

Individual 4' or 6' diameter units in lens, louver or integrated point source downlight configurations.

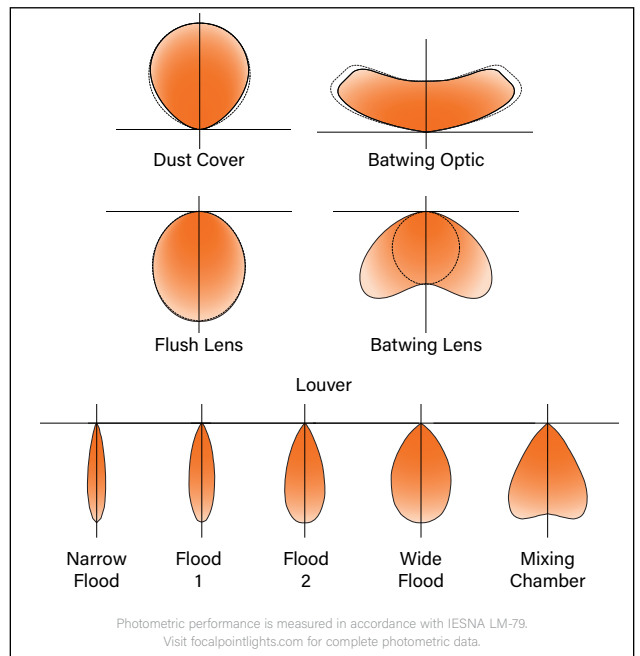
Deeply regressed louver cells provide 60° cut-off from light source to promote visual comfort.

Choice of point source downlight output levels to meet a wide variety of application needs.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Available with The Naturals, a series of finishes that exude biophilic beauty.

## DISTRIBUTIONS



# Finishes



## STANDARD FINISHES

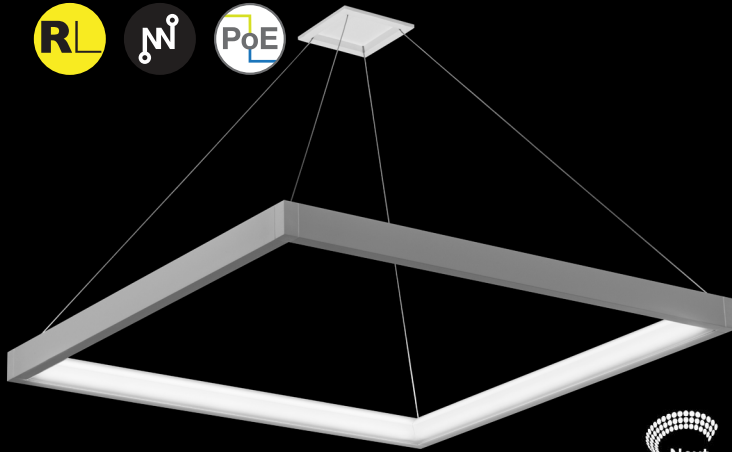


WHITE WH BLACK BK TITANIUM SILVER TS

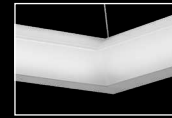
## THE NATURALS (25% SCALE)



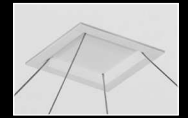
LIGHT OAK LOK GRAY ELM GRE CHESTNUT CHT WALNUT WLT WOVEN LINEN WLN



bottom detail



inside lens detail



canopy

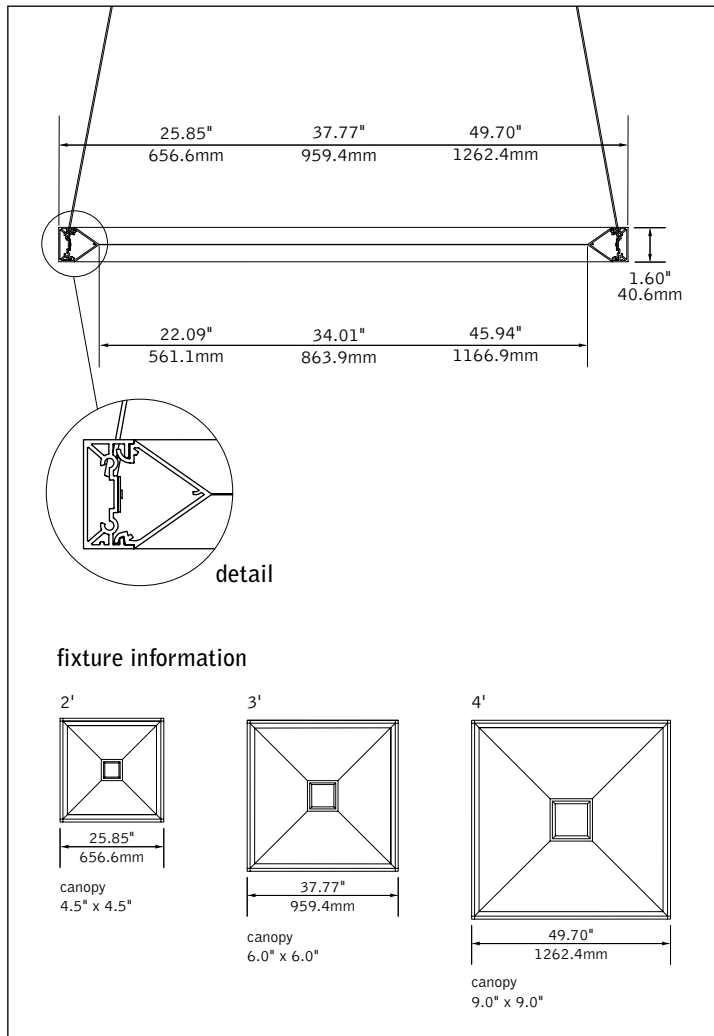


white finish



palladium finish

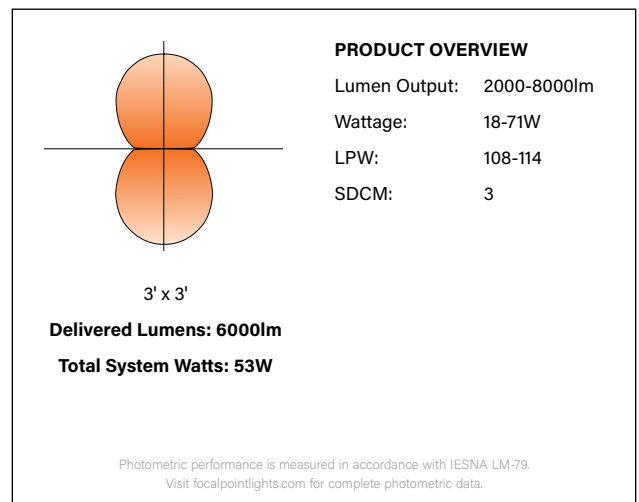
## DIMENSIONAL DATA



## FEATURES

- Unique aesthetic inspired by the visual void design philosophy.
- Luminaire sizes available in 2'x2', 3'x3' and 4'x4'.
- Frosted acrylic optical diffuser produces 50/50 light distribution.
- Features Power-Up suspension system which delivers power through the suspension cables and eliminates visual clutter of separate power cord.
- Installations include grid, drywall and surface-mount/open ceilings.
- Choice of output levels to meet a wide variety of application needs.
- PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

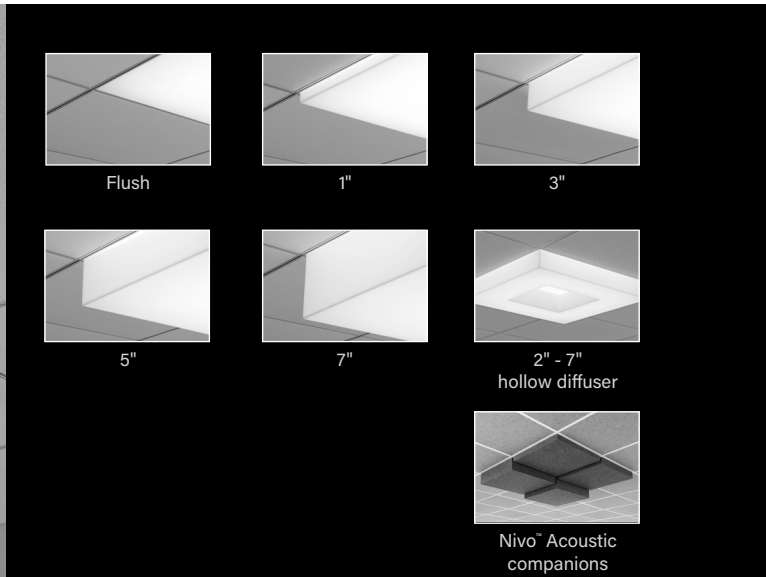
## PERFORMANCE



# Nivo® 2x2

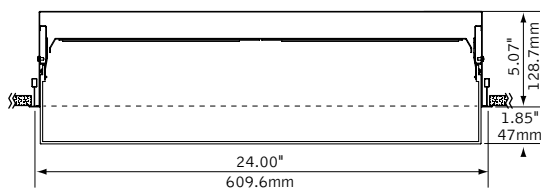
LED

# F10

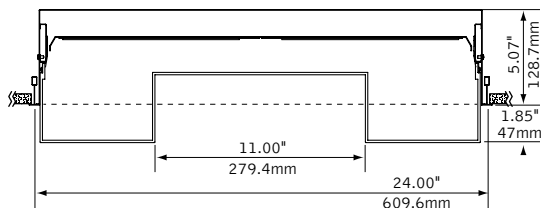


## DIMENSIONAL DATA

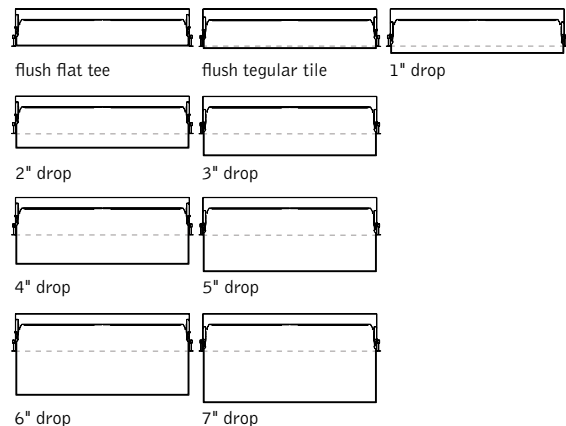
### 2" Drop -Solid Diffuser



### 2" Drop -Hollow Diffuser



### shielding options



## FEATURES

Architectural recessed LED luminaire with decorative flush or drop diffusers.

Square LED panels evenly backlight a formed frosted acrylic lens, creating a soft and pleasant glow.

The flush diffuser mimics a ceiling tile, aligning with flat or tegular panels.

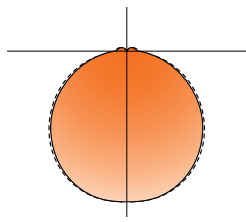
Specify the Solid drop diffuser up to 7" down from the ceiling in 1" increments or the Hollow drop diffuser from 2" to 7" below the ceiling.

Preferred Light: Lighting for better color rendition and human preference.

Pair with Nivo™ Acoustic to create a ceiling system that delivers optimal illumination and helps control noise levels.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

## PERFORMANCE



**PRODUCT OVERVIEW**

Lumen Output: 1000-4000lm

Wattage: 11-50W

LPW: 80-92

SDCM: 3

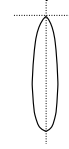
Reported Lumen Maintenance: L70 @ >60,000hrs

**2000 Lumens**

**Delivered Lumens: 2000lm**

**Total System Watts: 24W**

Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data.



OVERVIEW

# High Center Beam Pendant Cord Cylinder

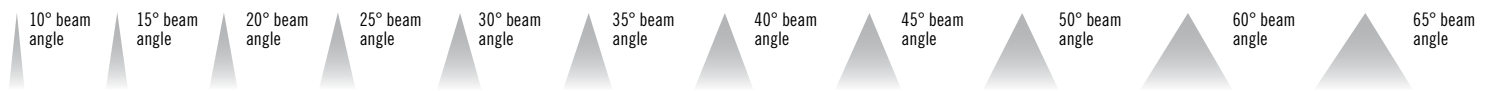
4"



## Feature Set

- Eleven optimized distribution patterns allow designers to achieve tailored objectives
- Bounding Ray™ optical design
- 45° cutoff to source and source image
- Fully serviceable lensed LED light engine
- Fixtures are damp location standard; wet location option (WL)
- ENERGY STAR® Certified product
- Have the cleanest of installations with a 0.29" diameter color coordinated cord. Multi-conductor ultra-pliable cord with embedded aircraft cable ensures no chance of kinks, crooked mounting, or need to tether power cord to suspension cable (patent pending).
- Multiple recessed or surface j-box mounting configurations available with cords
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. [UGR FAQ](#)

## Distribution



## Superior Performance

Nominal Lumens	500	700	1000	1200	1500	2000	2500	3000	3500	4000	4500	5000
Delivered	703	807	1062	1326	1545	1977	2419	2920	3548	3982	4419	4848
Wattage	6.7	7.5	9.8	12.2	15.1	21.5	26.5	34.1	33.8	39.5	46.2	53.2
Efficacy	104	108	108	108	102	92	91	86	105	101	96	91

COMPLEMENTARY PRODUCTS

## Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
Healthcare	MRI	Surgical Suite	Patient Room					
Special Applications	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		

Tables of Use

ICO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic*	Linear
EDXB	<1%	Square	Linear

\*Changable through DALI controller

Control Provided (note: 347V/UVOLT versions provided with 347 option selected)					
Driver		NLT	NLTER	NLTAIR2	NLTAIRER2
Nomenclature	Description				
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

J-box Compatibility Matrix		Cylinder Configurations					
		JBX	SGB	SGBCC	SGB w/EDXB Driver	SGBCC w/EDXB Driver	JBXCC
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep*	✓	✓	✓	✓	✓	✓
	4" Octagonal 4x4x2.125 deep	✓	✓	✗	✓	✗	✗
	4" Square 4x4x1.5 deep	✓ *with adaptor plate accessory	✓ *with adaptor plate accessory	✗	✓ *with adaptor plate accessory	✗	✗

Standard Architectural Color Options for Cylinder Bodies

 <b>DSS LITHONIA</b> P12 Sandstone	 <b>DSST TEXTURED</b> P90 Sandstone	 <b>DBR LITHONIA</b> P34 Bright Red	 <b>DSPH TEXTURED</b> P80 Light Red	 <b>DMB LITHONIA</b> P11 Medium Bronze	 <b>DBNH TEXTURED</b> P74 Bronze	 <b>DTG LITHONIA</b> P33 Tennis Green	 <b>DSPE TEXTURED</b> P78 Green
 <b>DSB LITHONIA</b> P49 Steel Blue	 <b>DNA LITHONIA</b> P07 Natural Aluminum	 <b>DNAT TEXTURED</b> P89 Natural Aluminum	 <b>DGC LITHONIA</b> P32 Charcoal Gray	 <b>DSPD TEXTURED</b> P77 Dark Grey	 <b>DDB LITHONIA</b> P50 Dark Bronze	 <b>DDBT TEXTURED</b> P88 Dark Bronze	 <b>DBL LITHONIA</b> P13 Black
 <b>DBLB TEXTURED</b> P75 Black	 <b>DWH LITHONIA</b> P21 White	 <b>DWHG TEXTURED</b> P86 White					

NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please order the GCOLORS KIT listed in the 'Accessories' section of the spec sheet for an accurate paint chip sample.



F12



# LDN Switchable

## LDN Family

- Simple installation for new construction projects
- Switchable CCTs and lumens
- Aperture sizes including 4", 6", and 8"
- Glare control with deep source regression
- Over 100 LPW
- Available with battery pack, IOTA emergency transfer system (ETS), 347V step-down transformer and optional wet location (IP55) listed
- nLight® wired or wireless lighting controls and SensorSwitch™ JOT single room controls
- 10% and 1% dimming, MVOLT 120-277V, 0-10V and phase dimming in an all-in-one driver or a separate DALI driver



SWITCHABLE LUMENS

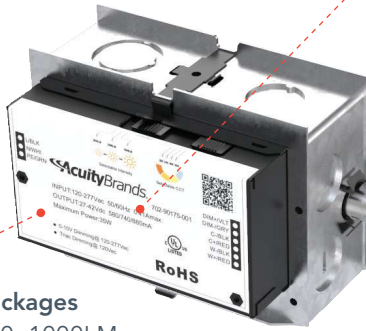


SWITCHABLE CCTs



# Switching Made Easy.

## Switchable CCTs & Lumens



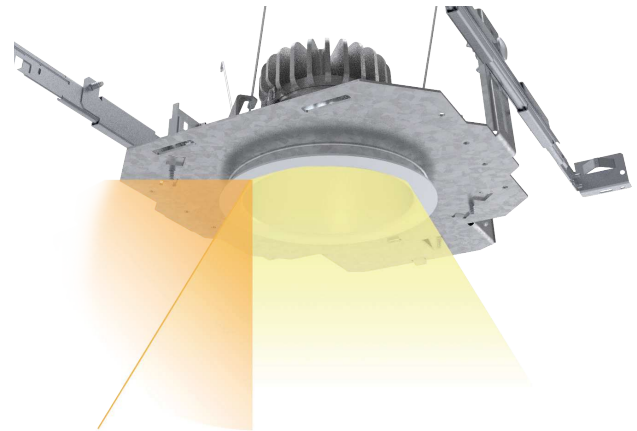
### CCTs

- 3000K
- 3500K
- 4000K
- 5000K

### Lumen Packages

- 500, 750, 1000LM
- 1000, 1500, 2000LM
- 2000, 2500, 3000LM
- 4000, 4500, 5000LM

## Deep Source Regression



55° Cutoff

## Options



Additional square trims and multiple aperture sizes available

## Quick Facts

- ➔ **Efficacy:** Over 100 LPW
- ➔ **Long life:** 50,000 hours at L70
- ➔ **Color Consistency:** 3 SDCM & CRI 80, 90 optional

## Distributions

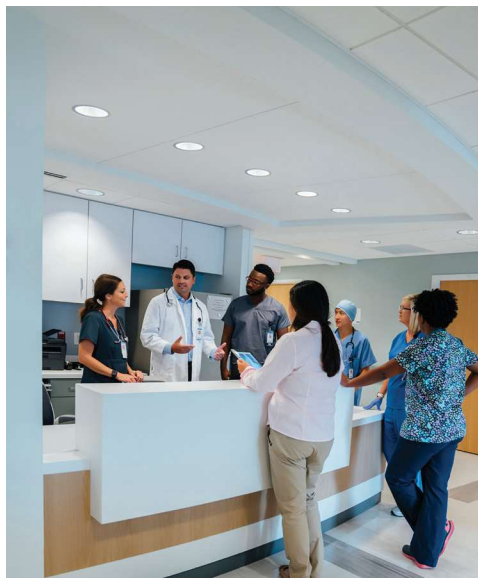
Medium Wide  
1.0 S:MH

Wide  
1.2 S:MH

Wallwash



Choose from multiple distribution options



## Lighting Controls



SensorSwitch™ JOT is a wireless, app free solution for single room controls



The nLight® platform offers wired or wireless networked lighting controls solution



## Complete Outfit

LDN Switchable is the newest member of the LDN Family which includes LDN downlights, LDNRV retrofit kit, and LDN cylinders. Meet the whole family at <https://lithonia.acuitybrands.com/products/family/ldn>

Visit [www.lithonia.com](http://www.lithonia.com) for more information

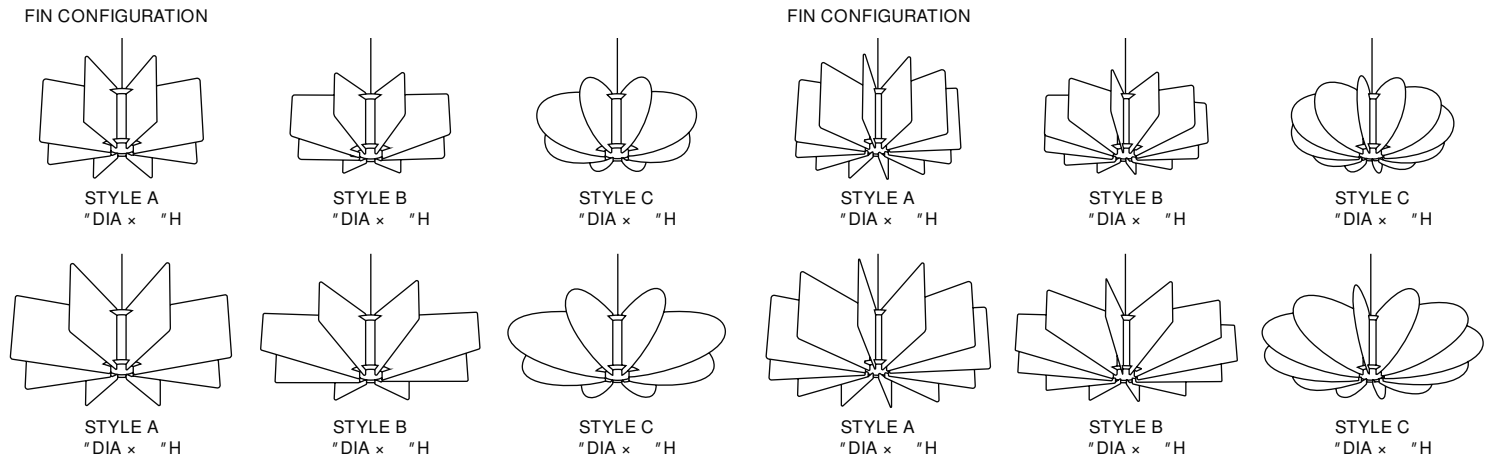


## Specifications

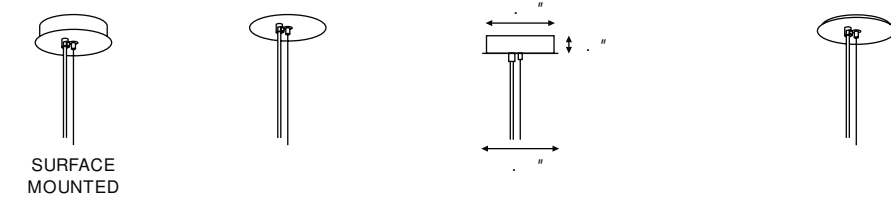
<b>SHADES</b>	9mm thick Sola Felt is a PET material, manufactured with 50% post-consumer recycled content. Sola Felt is a LBC Red List Free labeled product, eligible for LEED, Living Building Challenge, and other green building certification credits. Frosted acrylic diffuser tube with removable acrylic bottom diffuser at bottom (for changing optic kits or relamping E26 version). Contact your local sales rep for material samples.	<b>HARDWARE</b>	TGIC-free powder coat. Stainless steel cables with nickel-plated cable gripper allows for adjustable hanging height. Made with RoHS compliant parts.
<b>LIGHTING</b>	<p>LED module with single light emitting source, thermally managed to provide optimal performance. Specifiable in 2700K-4000K in CRI &gt;80 or CRI &gt;90, color accuracy within 3 SDCM. Also available in dim-to-warm.</p> <p>PoE or PoE+ compatible (depending on required output): Integrates with Power over Ethernet lighting systems through standard, low voltage wires. See wattage table on page 4 for PoE or PoE+ compatibility.</p> <p>Beam spreads from 28 degree narrow flood to 44 degree wide flood available, achieved with optics that are easily changed in the field. E26 lamp model also available. Source lumens 800, delivered lumens approx 619, 90 CRI, nominal lifetime 15,000 hours.</p>	<b>MOUNTING</b>	Adjustable stainless steel aircraft cable, contact studio for lengths over 20'
<b>LUMEN MAINTENANCE</b>	<p>Reported: L90: &gt;55,000 hours</p> <p>Calculated: L70: &gt;180,000 hours L80: &gt;120,000 hours <i>EPA TM21 calculator derived</i></p>	<b>ELECTRICAL</b>	<p>Emergency battery output: 6 watts for 90 minutes</p> <p>Maximum Mounting height: 15ft. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power. For additional information see link: <a href="http://www.bodine.com/products/inverter.html">http://www.bodine.com/products/inverter.html</a></p>
<b>PHOTOMETRICS</b>	Consult factory or website for IES files, tested in accordance with IESNA LM79.	<b>CERTIFICATION</b>	CSA certified to CSA C22.2 No. 250.0, and conforms to UL standard 1598. PoE Compatible fixtures meet UL 2108.
		<b>CLEANING &amp; CARE</b>	The best way to remove airborne debris and dust from shades is to periodically vacuum. A Swiffer sheet or feathered duster can also be used for light dusting. To treat liquid stains, remove spills immediately with a clean damp cotton cloth or with detergent soap and warm water. Carpet and fabric cleaners can usually be used. Always test an inconspicuous area before applying cleaners to the actual stain.



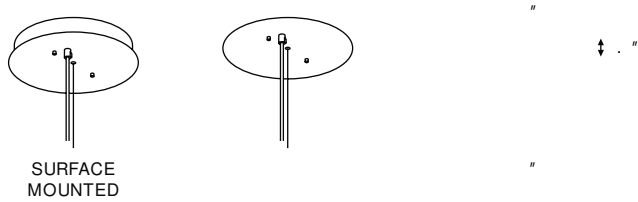
**DIMENSIONS** *Optional spanners between adjacent pendants to create grids*



**STANDARD CANOPY**



**EM BATTERY OPTION ONLY**



F14



# RUBIK™

Color Accent Enabled by nTune™ Technology

Match or complement architectural finishes with Color Accent



**Rubik Color Accent** offers a luminous palette of colors that can create rich colors ranging from dark hues to vibrant neons to pastels and match or complement architectural finishes while still allowing the luminaire to deliver white light.

**Mainstream Dynamic Color Accent with nTune™ Technology**

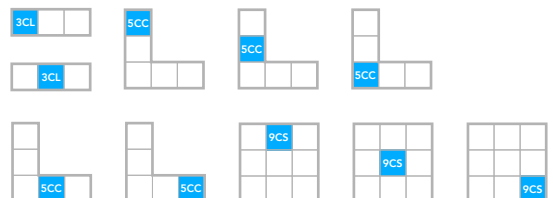


nTune is an all digital light control network within an nLight enabled luminaire. Add the impact of color without colorizing the illumination in your space with Color Accent. Perfect for branding, architectural accent, delineating space, setting mood, or creating an interactive lighting effect.

**Standard Color Palette**



**Choose 1 color cell location per form**





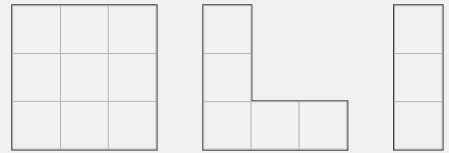
# Rubik™ Family

A Revolutionary Design Vocabulary for the Grid

Rubik™ empowers creativity without complexity in its ultimate palette of high quality volumetric luminaires for the standard grid ceiling.

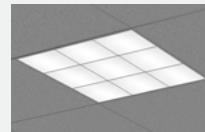
### 3 Forms

Build traditional or uniquely patterned layouts designed to provide ambient illumination.

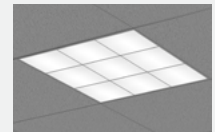


### 4 Luminous Styles

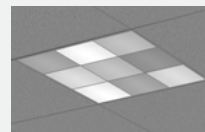
Create distinctive designs with our luminous styles including Mainstream Dynamic features - Tunable White, Grayscale and Color Accent - in addition to Static White.



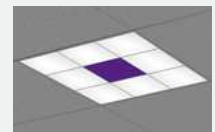
Static White



Tunable White



Grayscale



Color Accent



Wallpod Options:  
nPODM 2P DX COLOR



Wallpod Options:  
nPODM 4S DX COLOR

- Simple plug & play installation by utilizing the nLight network
- Dimming capabilities to raise and lower light levels
- Selection of color across full palette
- 100 standard colors. 8 of the 100 can be customized through SensorView™

All designs can be combined in a single vision and all deliver high quality volumetric lighting for practical performance and design impact.

JUNO®

TRAC-MASTER®

Classics

## 43W FLAT BACK CYLINDER LED

F15



T286L

Contact/Phone: \_\_\_\_\_

**PRODUCT DESCRIPTION**

With its integral driver, the cylindrical aesthetic of the T286L Series offers the simplest of form factors. It is designed with a unique, patented, precision optical system which produces the most uniform spot, narrow flood or flood beam distributions possible. The 43W T286L Series can deliver up to 3900 lumens, utilizing less than 1/3 of the energy of halogen equivalents and having a rated life of 50,000 hours. It is available in 2700K, 3000K, 3500K and 4000K color temperatures and 80 or 90 CRI versions. These fixtures also have an integral, bayonet-mounted optical system that enables quick conversion between beam spreads.

**PRODUCT SPECIFICATIONS**

**Construction** Die cast aluminum housing and vented concealed heat sink provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Passively-cooled design – no moving parts to break or wear-out • Fashionable, elegant design complements any decor • Available in white, black or silver painted finishes.

**LED** High performance LED array provides outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500K or 4000K white phosphor high performance LEDs • Chromaticity range within a 3-step MacAdam Ellipse • 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum.

**Driver** Assembled into upper housing to visually integrate within fixture design • Insulating air gap between driver and LED light engine optimizes thermal operation • Provides quiet operation with or without dimming • 120V fixtures are dimmable using high quality reverse phase ELV dimmers approved by Juno - see [T286L-DIM](#) • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • Class B FCC Part 15 rated.

**Reflector** Precision designed patented optical system provides either spot, narrow flood or flood beam distributions • Patented, multi-step optical system ensures a properly color-mixed beam • Accessory optical assemblies available to quickly and easily convert from one beam distribution to another in the field.

**Accessories** Filters and lenses may only be installed with Accessory Holder, Snoot or Barn Doors (order separately) • Louver may only be installed with Accessory Holder or Snoot (order separately) • Accessory Holder, Snoot or Barn Doors are externally mounted and attach to fixture using three set screws • Up to two of any combination of filters, lenses and louver may be installed simultaneously.

**Juno Universal Track Adapter** Universally compatible with both Trac-Master 1-circuit or 2-circuit track, Trac-Lites track, monopoints and special mountings • Also UL Recognized for use on ConTech® LT Series track • Copper alloy contacts provide precise spring action – no arcing and will not take a set • True, positive electrical ground • On/off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures track light to track • Two-position power contact provided for two-circuit application.

**Alternate TEK/HTEK Track Adapter** Compatible with either Juno TEK or HTEK track systems • System specific and assembled to track fixture • Integrally polarized construction to prevent reverse installation – only allows insertion in proper orientation • Rotary circuit selector enables simple switching between circuits • Integral on/off switch enables individual fixtures to be switched for servicing.

**Alternate GTYPE Track Adapter** Compatible with track systems based on GES type track, including Lithonia LT Commercial Track (not LTS type) • System specific and assembled to track fixture • Consult factory for additional information.

**Alternate HTYPE Track Adapter** Compatible with track systems which use a H-type track adapter, including Lithonia LTS Decorative Track (not LT type) • System specific and assembled to track fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Alternate LTYPE Track Adapter** Compatible with track systems which use a L-type track adapter • System specific and assembled to track fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Aiming** 360° horizontal coverage • Greater than 90° vertical aiming capability.

**Labels** UL and C-UL Listed • Union made • Assembled in U.S.A. • DesignLights Consortium® qualified where noted in Performance Data; HTEK option excluded. • ENERGY STAR® certified.

**Government Procurement**

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

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Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

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All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

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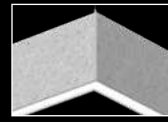
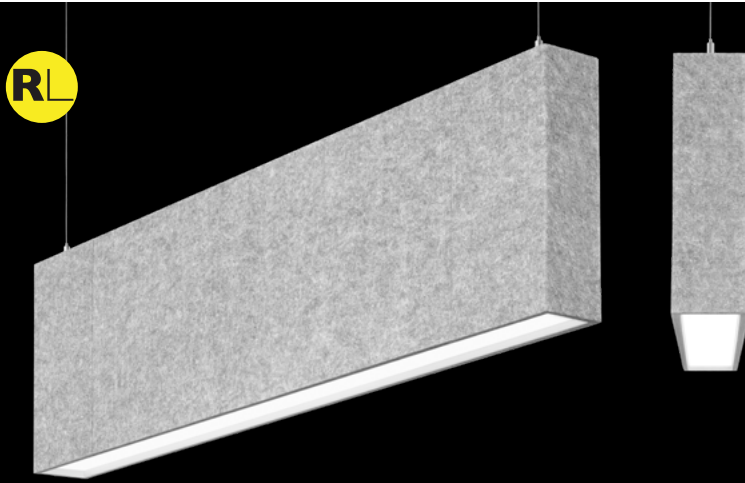




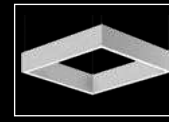
# Seem® 2 Acoustic

LED DIRECT/INDIRECT

# F16



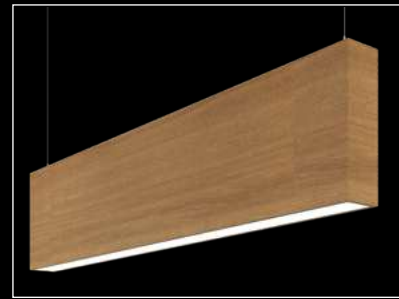
90° corner detail



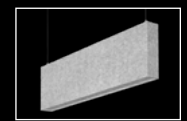
Rectangle pattern



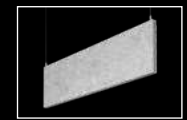
Left and right corner pattern



The Naturals collection - Chestnut shown

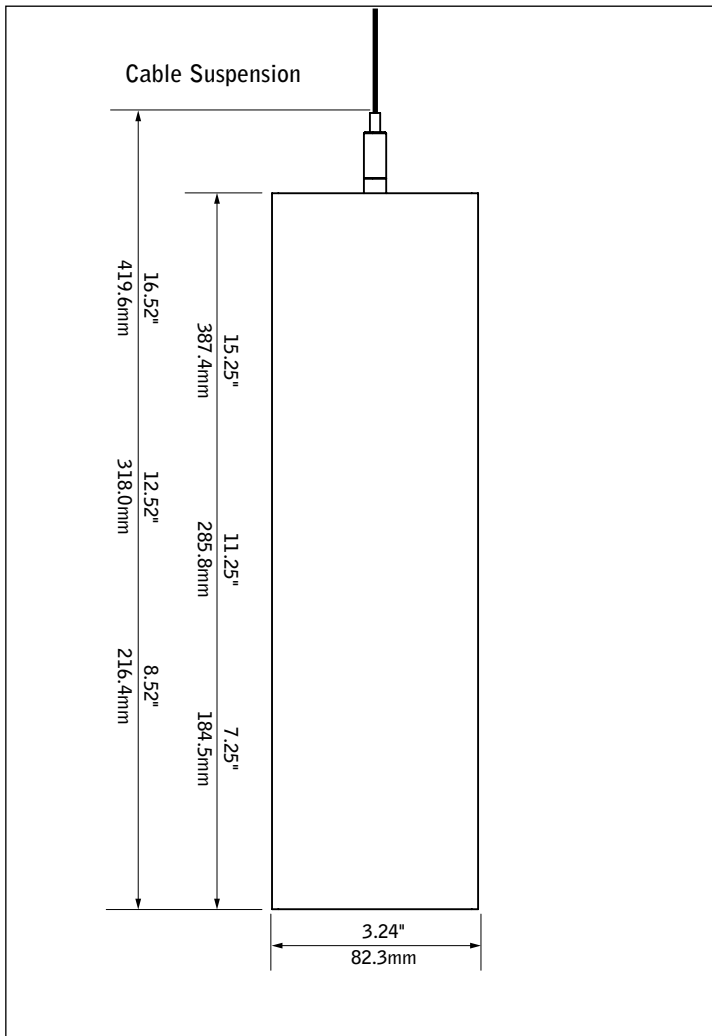


Seem 2 Acoustic Unlit companion



AirCore Blade companion

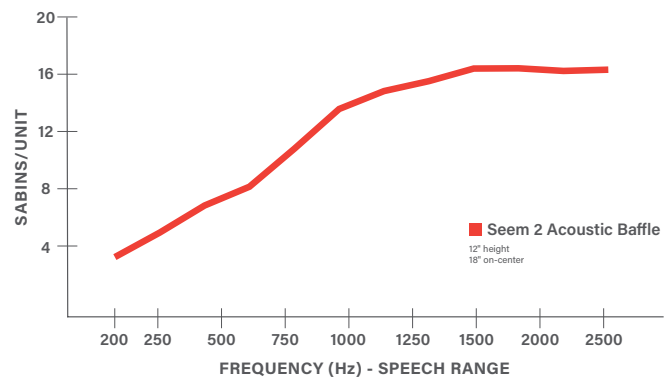
## DIMENSIONAL DATA



## FEATURES

- 2.5" aperture sound absorbing linear direct/indirect LED luminaire.
- Available in 4' to 208' lengths in 1" increments with 8", 12", or 16" nominal housing heights in straight lengths or patterns with 90° corners.
- Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.
- LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.
- AirCore® Technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact.
- Pair with Seem 2 Acoustic unlit baffle, AirCore Blade®, or TruBlade® to create a coordinated look in interior spaces.
- Available with The Naturals, a series of finishes that exude biophilic beauty.

## ACOUSTIC PERFORMANCE



All products were tested in multiple configured arrays. Total absorption will vary based on configuration. Please refer to ASTM C423 reports for more information.

# Acoustic Materials



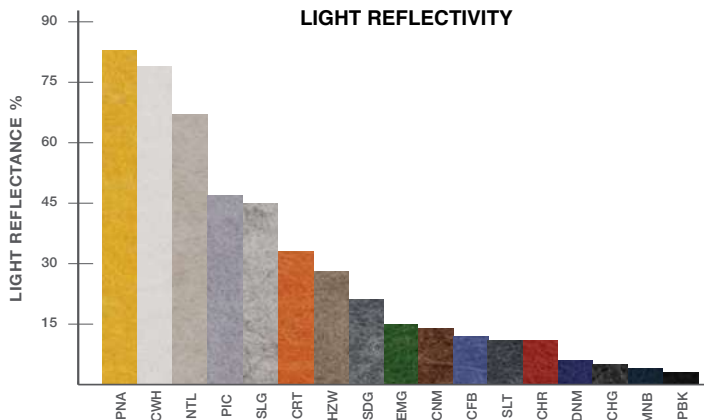
## THE NATURALS (25% SCALE)



## STANDARD PET



## PREMIUM PET



**9mm PET Felt**  
Focal Point, LLC

Final Assembly: Chicago, Illinois, USA  
Life Expectancy: 30 Year(s)  
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

**Ingredients:**

**Polyethylene terephthalate:** PET; **N, N'-Ethylene bisstearamide:** Octadecanamide, N,N'-1,2-ethanediyldis-; **Stearic Acid;** **Antioxidant 1076:** Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester; **Antioxidant KY-405:** Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]; **Titanium Dioxide:** Titanium dioxide

**Living Building Challenge Criteria:** Compliant

**I-13 Red List:**

- LBC Red List Free % Disclosed: 100% at 100ppm
- LBC Red List Approved VOC Content: Not Applicable
- Declared

**I-10 Interior Performance:** CDPH Standard Method v1.2-2017  
**I-14 Responsible Sourcing:** Not Applicable

FPL-0001  
EXP: 01 APR 2025  
Original Issue Date: 2020

INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)



# TRAC-MASTER®

Wall Wash/Floods

## 70W LED WALL WASH/FLOOD

T257L

F17A

Contact/Phone: \_\_\_\_\_



### PRODUCT DESCRIPTION

The 70W T257L wall wash/flood trac fixture delivers a powerful and uniform punch of light, utilizing less energy than a similar CMH fixture and offering up to 4 times the rated life. Its sleek, shallow profile enables it to virtually blend in with the trac. Operating at only 70W, it is able to deliver up to 4467 lumens, yielding an efficacy of up to 64 lumens per watt. Its unique thermal management design yields a maintenance-free 50,000 hours service life at 70% lumen maintenance. Available in 2700K, 3000K, 3500K and 4000K color temperatures, the white-light T257L wall wash/flood fixture is compatible with all Juno line voltage trac.

### PRODUCT SPECIFICATIONS

**Housing** Robust extruded aluminum channel with die cast aluminum end caps • Custom designed concealed heat sink provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Rich, textured paint available in white, black and silver painted finishes.

**LED** Nichia LEDs provide outstanding reliability, performance and color quality/consistency • White phosphor high brightness LEDs in 2700K, 3000K, 3500K or 4000K color temperatures • High CRI of 80 minimum • Consult factory for 90 CRI versions.

**Driver** Concealed in rear housing to minimize overall fixture footprint • Solid state electronic, Class 2 compliant • Integral overcurrent and short circuit protection • FCC Part 15 Class B rated.

**Dimming** 120V fixtures are dimmable using high quality reverse phase ELV dimmers approved by Juno – see [T257L-DIM](#) for a list of approved dimmers or to confirm compatibility with desired dimmer.

**Lens** Shields LEDs and optical components from dust and other contaminants • Matte inner surface creates a diffuse, uniform beam pattern.

**Aiming** 90° vertical aiming capability.

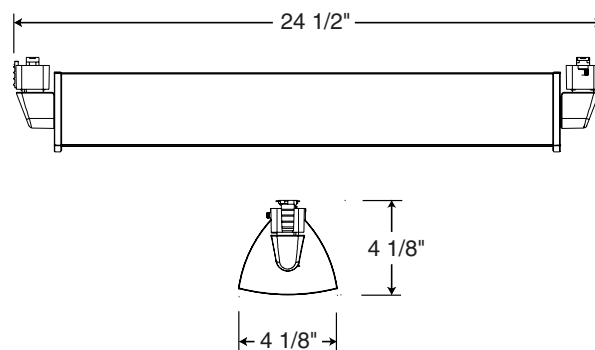
**Power Connection** Attaches to trac via two standard trac adapters, one of which contains electrical contacts.

**Juno Universal Trac Adapter** Universally compatible with both Trac-Master 1-circuit or 2-circuit trac, Trac-Lites trac, monopoints and special mountings • Also UL Recognized for use on ConTech® LT Series track • Copper alloy contacts provide precise spring action – no arcing and will not take a set • True, positive electrical ground • On / off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures trac light to trac • Two-position power contact provided for two circuit application.

**Alternate TEK/HTEK Trac Adapter** Compatible with either Juno TEK or HTEK trac systems • System specific and assembled to trac fixture • Integrally polarized construction to prevent reverse installation – only allows insertion in proper orientation • Rotary circuit selector enables simple switching between circuits • Integral on/off switch enables individual fixtures to be switched for servicing.



### DIMENSIONS



**Alternate HTYPE Trac Adapter** Compatible with track systems which use a H-type track adapter, including Lithonia LTS Decorative Track (not LT type) • System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Labels** UL and C-UL Listed • ENERGY STAR® certified • Union made • Assembled in U.S.A.

### Government Procurement

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### ORDERING INFORMATION

Ordering Examples: T257L 30K 80CRI PDIM WH, T257L TEK 30K 80CRI PDIM BL

Series	Mounting Adapter Type	Color Temperature	Color Rendering Index	Dimming Compatibility	Finish
T257L 70W Wall Wash/ Flood LED	(Blank) Juno Universal 120V Trac Adapter	27K 2700K	80CRI 80 CRI Consult factory for 90 CRI versions.	OFF <sup>1</sup> On/Off (Non-Dimming) PDIM Phase Dimmable	BL Black SL Silver WH White
	TEK TEK 120V Trac Adapter	30K 3000K			
	HTEK <sup>1</sup> HTEK 277V Trac Adapter	35K 3500K			
	HTYPE H-Type Trac Adapter	40K 4000K			

Notes:  
1 HTEK versions are only available with OFF and OFF is only available with HTEK.

ConTech is a registered trademark of ConTech Lighting.



JUNO®

TRAC-MASTER®

Avant Garde

46W VERTICAL CYLINDER LED

T387L G2

DIRECT CANOPY MOUNT

F17B

Location:

Contact/Phone:



## PRODUCT DESCRIPTION

The classic, simple appearance of the Vertical Cylinder LED fixtures offers a fresh take on a traditional aesthetic. The subtle elegance is carried through the entire design producing an understated charm. The 46W Vertical Cylinder LED fixtures have integral TIR optics which enable uniform spot, narrow flood, flood or wide flood distributions to be achieved. These fixtures have an integral, bayonet-mounted accessory holder that accommodates up to two accessories if desired. The 46W Vertical Cylinder LED can deliver up to 4651 lumens, at efficacies up to 101LPW and having a rated life of 50,000 hours. The Canopy Mount version is designed to mount over a standard j-box and is available with a variety of performance options including 277V operation, phase-dimming, and 0-10V dimming.



## PRODUCT SPECIFICATIONS

**Construction** All-metal housing and custom designed concealed heat sink provides outstanding thermal management, yielding 70% average lumen maintenance at 50,000 hours of operation • Passively-cooled design – no moving parts to break or wear-out • Extruded aluminum vertically mounted LED driver housing • Concealed fixture wiring for a clean aesthetic • Fashionable, elegant design complements any decor • Available in white or black painted finishes.

**LED** High performance LED array provides outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500K or 4000K white phosphor high performance LEDs • Chromaticity range within a 3-step MacAdam Ellipse • 80 CRI minimum on standard product • Optional high CRI versions offer 90 CRI minimum • Optional SpectralWhite versions are also available which make whites appear naturally brilliant and render colors more richly.

**Electrical/Driver** Multi-volt (120-277V, 50/60Hz) phase-dimmable or 0-10V dimmable driver mounted in a vertical driver housing and assembled to a slim canopy • 0-10V dimming requires two (2) additional low-voltage wires to be pulled.

**Dimming** MVOLT versions are phase-dimmable (120V only) down to 10% or less using high quality, factory-approved dimmers - see [T387LG2-DIM](#) • MVOLT versions are also 0-10V dimmable down to as low as 1% and require two (2) additional low-voltage wires to be pulled.

**Optics** Interchangeable computer-designed custom TIR optics available in four factory-configured beam spreads • One TIR optic provided with fixture (as specified in catalog number) • Accessory optics available to enable beam changes in the field • Beam patterns can be altered as desired using a variety of available light control accessories.

**Mounting** Installs over a standard electrical j-box • Accent light is permanently, factory-assembled to the mounting canopy • Universal mounting plate accommodates octagon box and typical j-box mud rings • Mounting plate designed to be installed snug to mounting surface • May be ceiling or wall mounted in any orientation • Driver is assembled into vertical driver housing – see Dimensions section for canopy type and dimensions based on option selected • Canopy is securely tethered to mounting plate to facilitate wiring terminations.

**Accessory Holder** Integral to fixture design • Die cast aluminum construction • Precision bayonet mounting • Accommodates up to two accessories if desired.

**Aiming** 360° horizontal coverage • Greater than 180° vertical aiming capability.

**Labels** UL and C-UL Damp Location Listed • Union made • Assembled in U.S.A.

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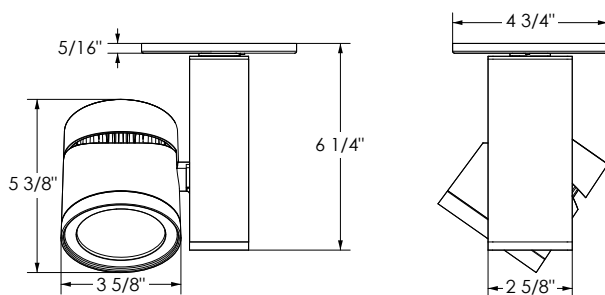
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Specifications subject to change without notice.

## DIMENSIONS



# F18

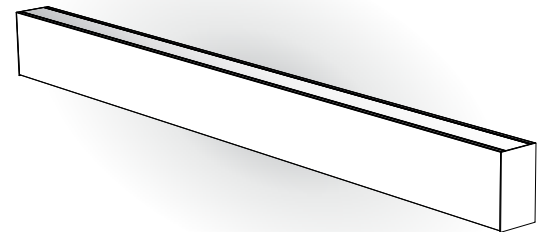
Client \_\_\_\_\_ Project name \_\_\_\_\_

Order# \_\_\_\_\_ Type \_\_\_\_\_ Qty \_\_\_\_\_

## FEATURES AND BENEFITS

### Physical :

- Aluminum extruded housing, 2" wide
- Available in 1', 2', 3', 4', 5', 6', 7' or 8' sections
- Continuous runs available in 1' increments
- Durable polyester powder coat finish
- Wide flood indirect lighting optics
- Wide flood, true asymmetric wallwash or narrow flood direct lighting optics
- Wallwash and narrow flood optics provided with white painted louvers
- Black painted or semi-specular louver finish optional
- Wide flood direct optic provided with frosted extruded acrylic lens
- High reflective matte white powder coated reflector
- Wall mounted
- Tool-less system for reflector assembly and control gear access
- Compatible with motion sensors
- Unlit joiners and corners available for custom configurations
- Dry location only
- IK05 rated



### Performance :

- Available in 2700K, 3000K, 3500K, 4000K or RGB color mixing for direct and indirect lighting
- CRI value: minimum 80
- Binning within a 2 step MacAdam ellipse (white light only)
- Lumen maintenance RO/HO: 126,000 hrs [L70 @ 25° C and @ 40° C]
- Lumen maintenance RO/HO: 19,000 hrs [L95 @ 25° C and @ 40° C]
- Lumen maintenance RO RGB: 88,000 hrs [L70 @ 25° C and @ 40° C]
- Lumen maintenance RO RGB: 72,000 hrs [L95 @ 25° C and @ 40° C]
- Lumen measurements comply with LM - 79 - 08 standard
- Resolution per foot or per fixture (configured with lumenID V3 software & DMX/RDM)
- Operating temperatures: 0° C to 40° C [32F to 104F]

### Performance summary

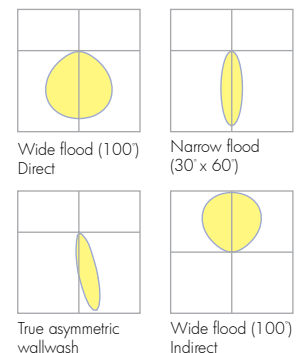
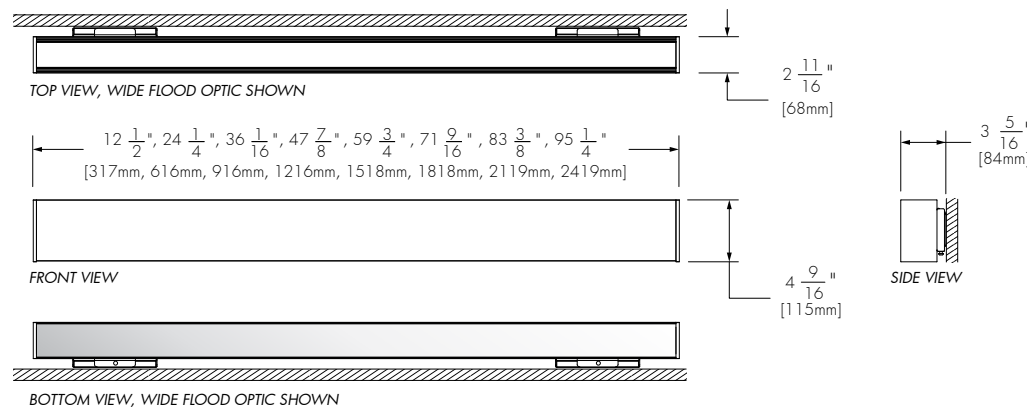
Based on RO, 4000K,  
 White painted louver for NF and VVW optics.

Optic	Delivered output [lm/ft]	Lumens/Watt [lm/W]
<b>Direct wide flood</b>	578	101
<b>Direct narrow flood</b>	482	84
<b>Direct true asymmetric wallwash</b>	511	89
<b>Indirect wide flood</b>	595	103

Photometric performance is measured in compliance with IESNA LM-79-08. Consult website for latest IES files.

### Electrical :

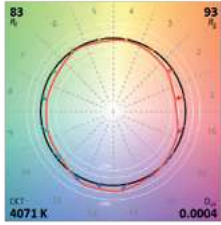
- Line voltage luminaire for 100 to 277V
- 6W/ft Regular Output version, direct or indirect lighting
- 12W/ft High Output version, direct or indirect lighting
- 6W/ft optional RGB source
- Dimming options for white light: Lumentalk, 0-10 volt, DALI, Lutron® EcoSystem® or DMX/RDM enabled
- Control options for RGB: Lumentalk or DMX/RDM enabled
- Quick connectors for continuous runs



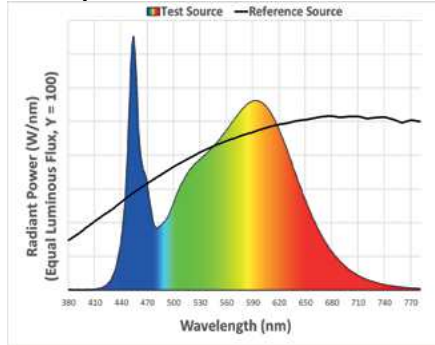
## CHROMATICITY DATA

### TM-30 - 4000K

CCT	CIE		TM-30	
	R <sub>a</sub>	R <sub>g</sub>	R <sub>f</sub>	R <sub>g</sub>
4000K	83	4	83	93



## Spectral Power Distribution

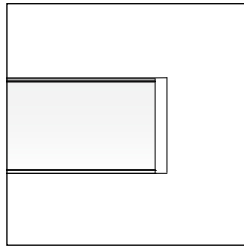


SURFACE - WALL MOUNT  
DIRECT/INDIRECT LIGHTING  
SINGLE UNITS  
CONTINUOUS RUNS  
SHAPES

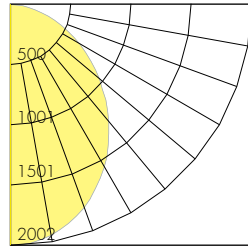
## PHOTOMETRIC INFORMATION - DIRECT LIGHTING OPTICS

### WFL - Wide flood (100°), 4000K

Bottom view,  
frosted lens



Candlepower distribution  
4ft, HO



Delivered output, 4ft fixture [lm]

	RO	HO
White light	2314	4712
RGB	537	N/A

CRI Value: 80+

Glare evaluation, white light

X=4H, Y= 8H

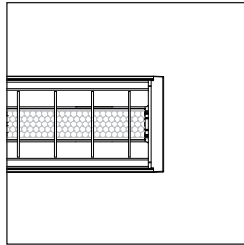
Reflectances: 70/50/20

	RO	HO
UGR transversal	<22	<25
UGR axial	<22	<25

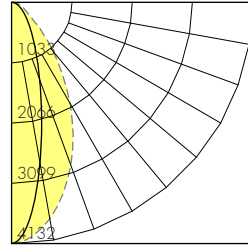
### NF - Narrow flood (30°x 60°), 4000K

Not available for RGB or lit joiners

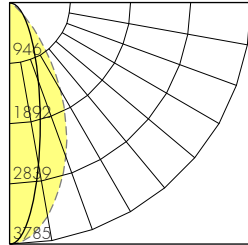
Bottom View,  
narrow flood louver



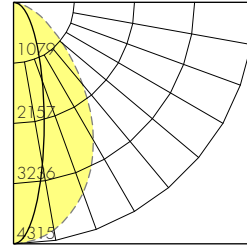
Candlepower distribution  
4ft, HO White louver



Black louver



Semi-specular louver



Delivered output, 4ft fixture [lm]

	RO	HO
White louver	1928	3927
Black louver	1306	2659
Semi-specular	2105	4287

CRI Value: 80+

Glare evaluation, white louver

X=4H, Y= 8H

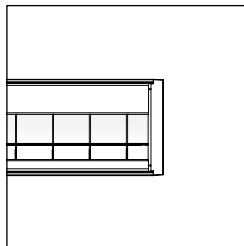
Reflectances: 70/50/20

	RO	HO
UGR transversal	<19	<19
UGR axial	<19	<19

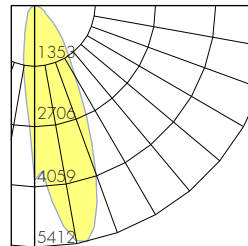
### WW - True asymmetric wallwash, 4000K

Not available for RGB or lit joiners

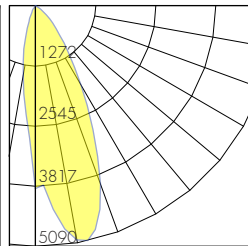
Bottom view,  
wallwash louver



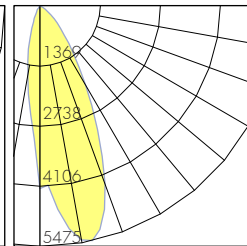
Candlepower distribution,  
4ft, HO White louver



Black louver



Semi-specular louver

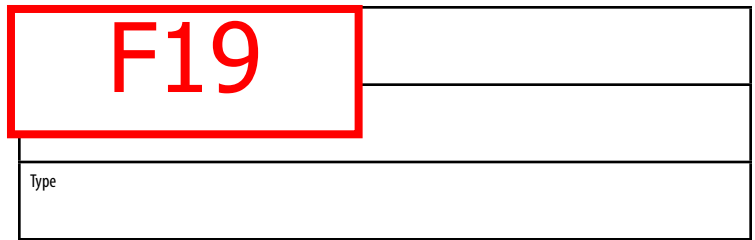


Delivered output, 4ft fixture [lm]

	RO	HO
White louver	2043	4160
Black louver	1367	2784
Semi-specular	2270	4624

CRI Value: 80+

**Notes:** Consult website for latest IES files.



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

**CONSTRUCTION** — Extruded brushed aluminum finish.

Clear acrylic panels- letters measure 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL 924 standard.

For single-face clear panels, EXIT is seen as a reversed image from the back.

**OPTICS** — LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 5 years, based on 24/7 operation.

The LED operating frequency is 120Hz.

**ELECTRICAL** — Dual voltage input capacity (120/277V).

Battery: (EL Option) — Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing (EL Option Only) for 30 seconds every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

**INSTALLATION** — EDG — Universal mounting canopy for top or end mount. Back mount standard for single face only. Canopy provided.

EDGR — Recessed mounting. Bar hanger and brackets provided for both new or restricted ceiling access installation applications. Available for use in drop ceiling applications. Back wall mount (WM) option.

Universal directional indicators. Field selected and attached.

**LISTINGS** — UL damp location listed 32°-122°F (0°-50°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

**BUY AMERICAN ACT** — BAA — Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty (Battery is prorated). This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**NOTE:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.



EDG (surface mount)



EDGR (recessed mount)



LED Edge-Lit Exits

# EDG EDGR



### Specifications

#### EDG (End Mount)

Length: 13 (33.0)  
Depth: 5-1/2(14.0)  
Height: 11-1/8 (28.3)  
Shipping Weight : 4 lbs (1.8 kgs)

#### EDG (Back Mount)

Length: 13 (33.0)  
Depth: 3 (7.6)  
Height: 11-1/8 (28.3)  
Shipping Weight: 4 lbs (1.8 kgs)

#### EDG (Top Mount)

Length: 13-5/8 (34.6)  
Depth: 4-5/16 (11.0)  
Height: 11-3/4 (29.8)  
Shipping Weight: 4 lbs (1.8 kgs)

#### EDGR

Length: 13 (33.0)  
Depth: 1-3/4 (4.4)  
Height: 8 (20.3)  
Shipping Weight: 6.8 lbs (3.1 kgs)  
Shipping Weight (WM option): 8.1 lbs (3.7 kgs)

All dimensions are inches (centimeters) unless otherwise noted.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.acuitybrands.com/designselect](http://www.acuitybrands.com/designselect).

\*See ordering tree for details

ds Design Select options indicated by this color background.

## ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

**Example:** EDG 1 R EL

Family	Housing color	Number of faces	Letter color	Operations	Options
<b>EDG</b> Surface mount LED edge-lit exit	<b>(blank)</b> Brushed aluminum	<b>1</b> Single face	<b>R</b> Red on clear (single face only) <sup>1</sup>	<b>(blank)</b> AC only	<b>(blank)</b> None
<b>EDGR</b> Recessed LED edge-lit exit	<b>W</b> White	<b>2</b> Double face	<b>G</b> Green on clear (single face only) <sup>1</sup>	<b>EL</b> Nickel-cadmium battery	<b>WM</b> Recessed wall mount <sup>7</sup>
			RMR Red on mirror <sup>2</sup>	<b>X2</b> Lamp wired on two separate AC circuits (specify 120V or 277V) <sup>4,5</sup>	<b>BAA</b> Buy America(n) Act Compliant
			GMR Green on mirror <sup>2</sup>	<b>SD</b> Self-diagnostics <sup>6</sup>	
			RW Red on white <sup>3</sup>		
			GW Green on white <sup>3</sup>		

### Accessories: Order as separate item.

ELA US12	12" stem kit with brushed aluminum canopy <sup>8</sup>
ELA W US12	12" stem kit with white canopy <sup>8</sup>
ELA WG1	Wireguard (13 3/4"H x 15 1/4"W x 6" D, back mount only)

### Notes

- For single-face clear panels, EXIT is seen as a reversed image from the back.
- Available with single and double face.
- White panel standard for double and single face.
- Both circuits can be energized at the same time.
- Not available with EL and SD options.
- Available with EL option only.
- Available on EDGR single face only
- See spec sheet [ELA-StemKits](#). Only available for EDG.