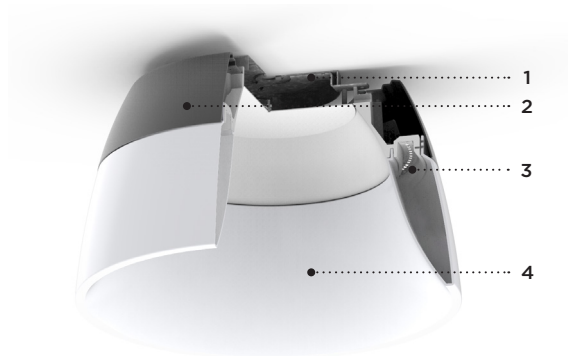


TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

FIXTURE DOWNLIGHT VOLTAGE FINISH OPTION OPTION OPTION OPTION



- 1- Surface mounting bracket
- 2- Spun aluminum housing
- 3- Curved LED array
- 4- **HC1610:** Semi opaque double layer Polyethylene lens

**HC1615:** Aluminum reflector. Includes an acrylic diffuser disk to eliminate glare from the LED boards.

**Inner surface:** Multi-faceted specular anodized

**Exterior surface:** Satin anodized natural aluminum. Exterior of aluminum reflector can be painted to match housing finish (option ASP).

All stainless steel hardware

HC1610



HC1615



### MATERIALS

**Hollowcore LED** is made of an aluminum housing which houses integral drivers, and a diecast aluminum heat sink which supports the LED engine and shade as well as dissipates heat. Hollowcore is available with a choice of polyethylene lens or aluminium anodized reflector. Both options offer a distinct look and different distributions. The illumination is provided by an array of four curved LED boards.

### ELECTRICAL

**DRIVER** Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -20°C/-4°F to 50°C/122°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 347V driver.

**LED** Standard 4000K CCT/80CRI. Other CCTs available 2700K, 3000K, 3500K

### LIFE

60,000hrs  $L_{70B_{50}}$  (based on IESNA TM-21 Test Method and LM-80 data).

### FINISH

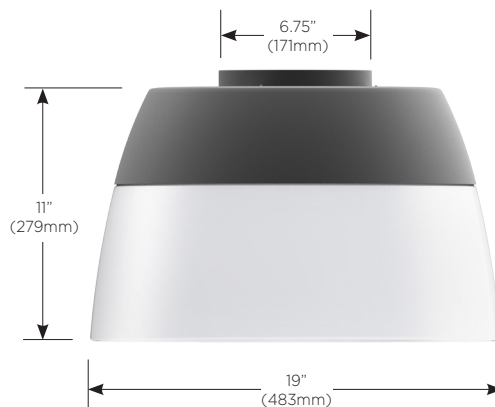
Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

### MOUNTING

Maximum weight: 16 lbs (7.25 kg). Surface mounting bracket to be affixed with 3 screws on the surface outside the junction box. See diagram for details.

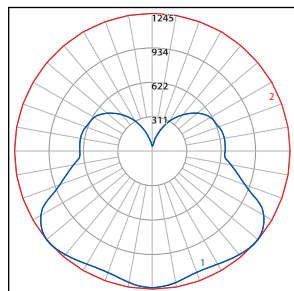
### CERTIFICATION

Tested to UL1598 and CSA 22.2 #250. ETL listed damp location. Rated IP22.



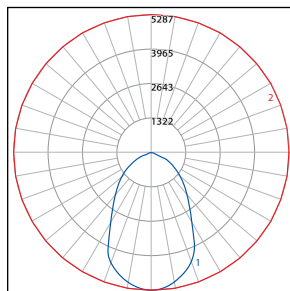
# HC1610/HC1615 SERIES HOLLOWCORE - LED

## TYPICAL PHOTOMETRY SUMMARY



### Descriptive Information

HC1610-L4L90  
Total Lms: 9731 Lumens  
Total Input Watts: 108W  
Efficacy: 90 Lumens/Watt  
CCT/CRI: 4000K/80  
Maximum Candela: 1212 @ 0 deg



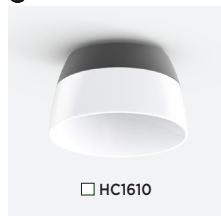
### Descriptive Information

HC1615-L4L90  
Total Lms: 8523 Lumens  
Total Input Watts: 112W  
Efficacy: 76 Lumens/Watt  
CCT/CRI: 4000K/80  
Maximum Candela: 5287 @ 0 deg

Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data.

## LUMINAIRE SELECTION

### 1 MODEL#



HC1610



HC1615

### 2 LED LIGHT SELECTION

#### DOWNLIGHT

SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT °K
<input type="checkbox"/> L4L30	29W	3272	80	4000
<input type="checkbox"/> L4L45	42W	4655	80	4000
<input type="checkbox"/> L4L60	61W	6338	80	4000
<input type="checkbox"/> L4L75	77W	7750	80	4000
<input type="checkbox"/> L4L90	108W	9731	80	4000

#### DOWNLIGHT

SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT °K
<input type="checkbox"/> L4L30	32W	3032	80	4000
<input type="checkbox"/> L4L45	50W	4456	80	4000
<input type="checkbox"/> L4L60	73W	6092	80	4000
<input type="checkbox"/> L4L75	94W	7477	80	4000
<input type="checkbox"/> L4L90	112W	8523	80	4000

### 3 VOLTAGE

- ☐ 120V  
☐ 277V  
Optional  
☐ 347V<sup>1</sup>

### 4 FINISH

#### STANDARD COLORS

- ☐ WHT Snow white  
☐ BKT Jet black  
☐ BZT Bronze  
☐ MST Matte silver  
☐ GRT Titanium gray  
☐ DGT Gun metal  
☐ CHT Champagne  
☐ SGT Steel gray  
☐ BGT English cream

(Refer to color chart)

#### OPTIONAL COLORS

- ☐ CS Custom color  
☐ RAL RAL# color

## OPTIONS

### ELECTRICAL

- ☐ **FS** Fuse
- ☐ **MS** 360 degrees PIR motion sensor. Coverage pattern at 8ft: Ø 16ft. HC1610 only<sup>2</sup>. See mounting details below for diagram.
- ☐ **REML2-50** 7W remote emergency battery backup for LED, 90 min. Remote mount 50ft - 12" (305mm) square enclosure with access cover<sup>3</sup>. 120/277V. California Title 20 Compliant.
- ☐ **EMLC4** Integral battery backup for LED, 90 min., 10W Integral to luminaire within oversized ceiling canopy. 120/277V. See diagram for details<sup>4</sup>.

### LIGHT & SURFACE FINISH

Alternate CCT °K LED (LCF: Lumen conversion factor)

- ☐ **K27** 2700K CCT 80 CRI (LCF: 0.92)  
☐ **K3** 3000K CCT 80 CRI (LCF: 0.94)  
☐ **K35** 3500K CCT 80 CRI (LCF: 0.98)

NOTE: Other CCT & higher CRI available, please consult factory.

- ☐ **ASP** Exterior of aluminum reflector to match housing finish (HC1615 only)

### DIMMING

- ☐ **DMX<sup>5</sup>/RDM** DMX/RDM control dim to dark (0%). In oversized ceiling canopy. See diagram for details.

### NOTES

- 1- 347V not available with DMX, EMLC4, and REML2-50. For L4L75 and L4L90, 347V is available with Oversized Canopy. Can be combined with MS.
- 2- MS not available with DMX and REML2-50.
- 3- For L4L60 to L4L90, two out of the four LED boards will light up.
- 4- EMLC4 not available for models above 80W. For L4L60 and L4L75, only two out of four LED boards will illuminate.
- 5- DMX not available for models above 100W. Default dimming curve: Logarithmic. Factory set to address one unless otherwise specified. Refer to DMX Reference Guide for more information (available on website).

**LUMINIS**®

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Luminaires may be altered for design improvement or discontinued without prior notice.

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# HC1610/HC1615 SERIES HOLLOWCORE - LED

## MOUNTING DETAILS

