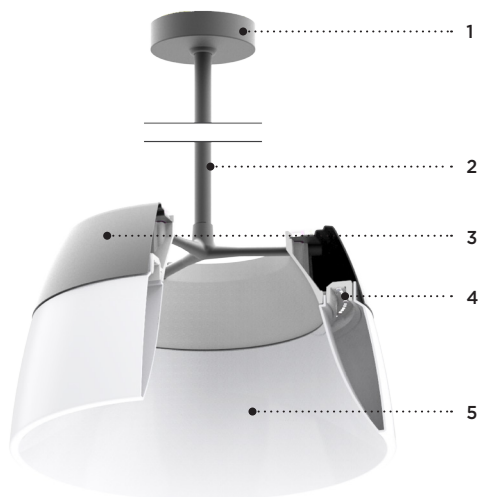


TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

FIXTURE DOWNLIGHT UPLIGHT VOLTAGE FINISH OPTION OPTION OPTION



- 1- Standard heavy duty 30° hang straight swivel, with Ø 4.5" (114mm) magnetic canopy and universal mounting plate. No visible hardware.
- 2- Ø 7/8" x 36" (22mm x 914mm) suspension field cuttable stem. Longer stem available on request. Assembly is secured by an inner aircraft safety cable.
- 3- Spun aluminum housing
- 4- Curved LED array
- 5- **HC1600:** Semi opaque double layer Polyethylene lens

**HC1605:** 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

HC1600



HC1605



### 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.

Hollowcore comes with an array of 4 curved LED boards for the downlight as well as an optional array of 4 curved boards for the uplight. The uplight boards are mounted onto the aluminum housing, with a clear top cover to protect the LEDs from dust and debris.

### 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<sub>70</sub>B<sub>50</sub> (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) The mounting bracket is designed to fit on a 4" (102mm) octagonal electrical box using 3 1/2" (89mm) C/C mounting holes. Additional mounting holes are provided as per site requirements.

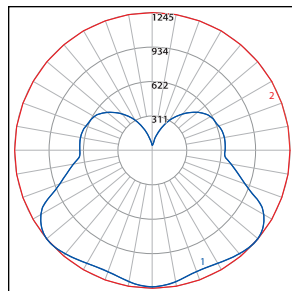
### CERTIFICATION

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



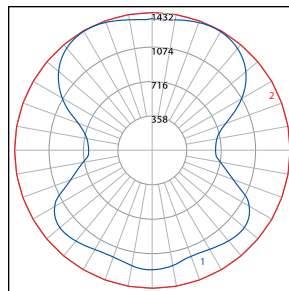
# HC1600/HC1605 SERIES HOLLOWCORE - LED

## TYPICAL PHOTOMETRY SUMMARY



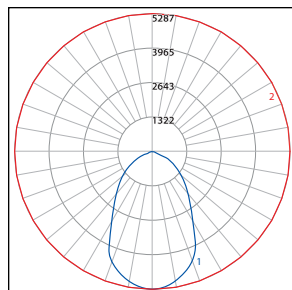
### Descriptive Information

HC1600-L4L90  
Total Lms: 9731 Lumens  
Total Input Watts: 108 W  
Efficacy: 90 Lumens/Watt  
CCT/CRI: 4000K/80  
Maximum Candela: 1212 @ 0 deg



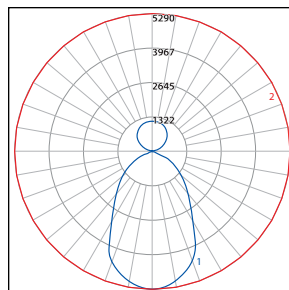
### Descriptive Information

HC1600 L4L90 + UL4L32  
Total Lms: 13059 Lumens  
Total Input Watts: 113.4 W  
Efficacy: 115 Lumens/Watt  
CCT/CRI: 4000K/80  
Maximum Candela: 1432 @ 0 deg



### Descriptive Information

HC1605-L4L90  
Total Lms: 8523 Lumens  
Total Input Watts: 112 W  
Efficacy: 76 Lumens/Watt  
CCT/CRI: 4000K/80  
Maximum Candela: 5287 @ 0 deg



### Descriptive Information

HC1605 L4L90 + UL4L32  
Total Lms: 11760 Lumens  
Total Input Watts: 135 W  
Efficacy: 87 Lumens/Watt  
CCT/CRI: 4000K/80  
Maximum Candela: 5290 @ 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#



### 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

#### UPLIGHT OPTION

SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT °K
<input type="checkbox"/> UL4L10	7W	1039	80	4000
<input type="checkbox"/> UL4L20	15W	2144	80	4000
<input type="checkbox"/> UL4L32	23W	3199	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

#### UPLIGHT OPTION

SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT °K
<input type="checkbox"/> UL4L10	7W	1039	80	4000
<input type="checkbox"/> UL4L20	15W	2144	80	4000
<input type="checkbox"/> UL4L32	23W	3199	80	4000

### 3 VOLTAGE 4 FINISH

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

#### 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

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Mar 2020 Rev.0

# HC1600/HC1605 SERIES

## HOLLOWCORE - LED

### OPTIONS

#### ELECTRICAL

- ☐ **FS** Fuse
- ☐ **MS** 360 degrees PIR motion sensor. Coverage pattern at 8ft: Ø 16ft. HC1600 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. Powers downlight only<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. Powers downlight only<sup>4</sup>, 120/277V.

#### DIMMING

- ☐ **DMX<sup>5</sup>/RDM** DMX/RDM control dim to dark (0%). In oversized ceiling canopy. Maximum length for SPG main lead is 36". Maximum length for stem is 36".
- ☐ **DS** Dual switching for down and uplight.<sup>1</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 (HC1605 only)
- ☐ **FDC** Frosted dust cover, used in conjunction with the UL option (LCF 0.8)

#### MOUNTING

- ☐ **STM** Longer 30 degree hang straight stem. Please add length with option suffix. Stem is field cuttable. For 45 degree hang straight please consult factory.
- ☐ **SPG** Silver braided power cord with a set of adjustable aircraft cables assembly. 36" in length (other lengths on request). See below for mounting details.
- ☐ **SSC** Stabilizer cables

#### NOTES

- 1- 347V not available with DMX, EMLC4, DS and REML2-50. For L4L75 and L4L90, 347V is available with Oversized Canopy but cannot be combined with MS.
- 2- MS not available with UP (uplight), DMX, EMLC4, and REML2-50, and some restrictions apply with 347V <sup>(1)</sup>.
- 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).



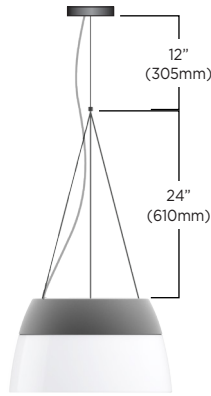
# HC1600/HC1605 SERIES HOLLOWCORE - LED

## MOUNTING DETAILS



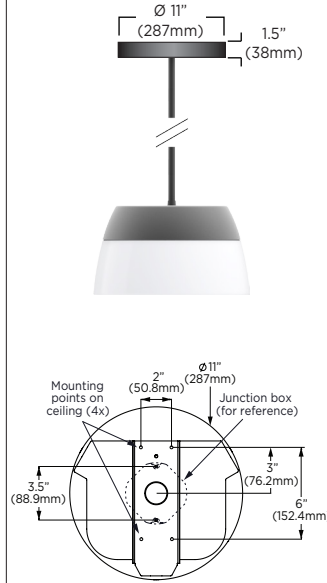
### STEM (STM)

Heavy duty 30° hang straight swivel, with Ø 4.5" (114mm) canopy and universal mounting plate. Ø 7/8" x 36" (22mm x 914mm) suspension stem with aircraft safety cable. Other lengths on request (specify STM with desired length).



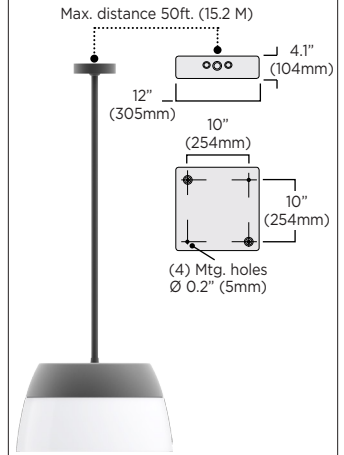
### AIRCRAFT CABLE (SPG)

4/18 X 36" lg. silver braided power cable c/w on site adjustable aircraft cable, consisting of 3 x 24" (610mm) long cables joined to a gripper with a 12" (305mm) lead to a Ø 4.5" (114mm) canopy. Other cable length available on request, minimum 18" (total).



### OVERSIZED CANOPY (DMX, EMLC4, 347V SOME OPTIONS [foot note 1])

These options require the drivers to be installed in an oversized canopy. Canopy size: Ø 11.3" x 1.5" (287mm x 38mm) height. Applicable for both STM and SPG options.



### REMOTE EMERGENCY (REML2-50)

7W Remote mount 120/277V emergency battery pack. Test switch provided within enclosure with 5" (127mm) leads. Applicable for both STM and SPG options.



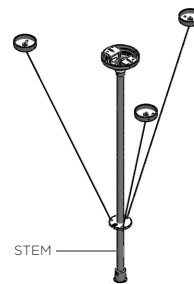
### MOTION SENSOR FOR STEM (MS)

The motion sensor device is located in a factory installed enclosure mounted onto the stem tripod casting.



### MOTION SENSOR FOR SPG (MS)

The motion sensor device is mounted at the center of a steel disk, discretely located at the top level of the core of the fixture.



### SSC

Set of three stabilizer cables. For stem mount only.

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