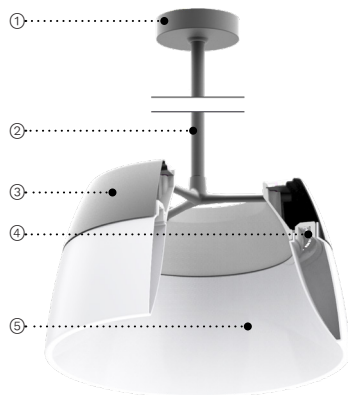


PROJECT NAME:

QUANTITY:

TYPE:

ORDERING CODE:



- ① Heavy duty 30° hang straight swivel, with Ø 4.5" (114mm) magnetic canopy and universal mounting plate. No visible hardware.
- ② Field adjustable suspension stem or silver braided power cable with 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 RP).  
All stainless steel hardware



HC1600



HC1605

### MATERIALS

Hollowcore 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. 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

120V/277V driver is 0-10V dimming-ready (min. dim 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. 347V driver is 0-10V dimming ready (min. dim to 10%)\* with operating temperature range of -20°C/-4°F to +50°C/122°F, over current and output short circuit protection.

### LED LIGHT ENGINE

Offered in 2700K, 3000K, 3500K & 4000K / 80CRI.  
70% LED lumen maintenance at 60,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

### 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.

### CERTIFICATION

UL Certified to Canadian and U.S. safety standards. Certified for use in dry and damp locations. Rated IP22. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

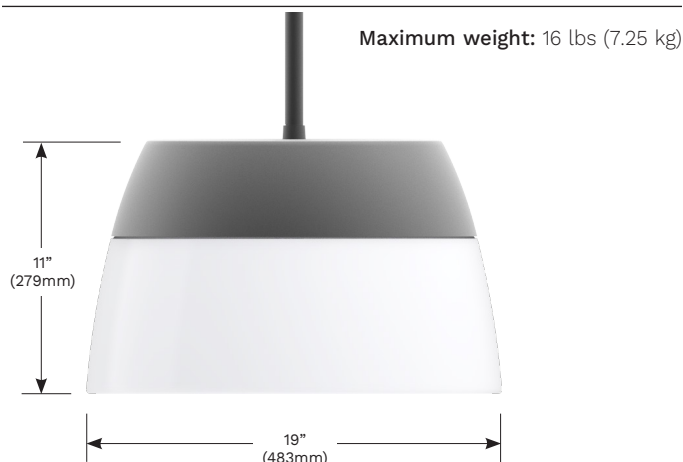
### WARRANTY

5-year limited warranty. 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: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

### MOUNTING

The mounting bracket is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes. Additional mounting holes are provided as per site requirements.

### MEASUREMENTS




\* L4L30, L4L45, L4L60, L4L75 light output dims to min. 1%

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HC1600/HC1605  
Rev. 04/29/25

## ORDERING CODE

*SERIES	*LIGHT OUTPUT		*CCT		*VOLTAGE		ADDITIONAL UPLIGHT		
<div>HC1600</div> <div></div>	L4L30	3272 lm / 29w	27K	2700K	120	120V	UL4L10	1039 lm / 7W	
	L4L45	4655 lm / 42w	30K	3000K	277	277V	UL4L20	2144 lm / 15W	
	L4L60	6338 lm / 61w	35K	3500K	347	347V <sup>1,2</sup>	UL4L32	3199 lm / 23W	
	L4L75	7750 lm / 77w	40K	4000K	MVOLT	120V-277V	STM	Field-cutttable hang straight stem <sup>4</sup>	
	L4L90	9731 lm / 108w							
	Delivered lumens calculated at 4000K/80CRI. Typical power consumption. Refer to LCF table for outputs at other CCTs.								


*SUSPENSION LENGTH	MOUNTING ACCESSORY	CONTROLS	LENS/DIFFUSER	FUSE
<b>12IN</b> 12" <b>24IN</b> 24" <b>36IN</b> 36" <b>48IN</b> 48" <b>60IN</b> 60" Available up to 240" in 12" increments.	<b>STC</b> Set of 3 stabilizer cables <sup>5</sup>	<b>DMX</b> DMX/RDM dim to dark 0% <sup>6,7,8,9</sup>  <b>NLTAIR2</b> nLight AIR 2.0 control embedded in canopy with black antenna <sup>10,11,12,13</sup>	<b>FDC</b> Frosted dust cover for optional upright LED <sup>14</sup>	<b>FS</b> Fuse

MOTION SENSOR	DUAL SWITCHING	EMERGENCY	*FINISH
<b>MS</b> PIR motion sensor <sup>15</sup>	<b>DS</b> Dual circuit switching  Required field when Additional Uplight is selected.	<b>EMC10</b> 10W integral emergency battery, 90 min. Within oversized ceiling canopy. <sup>10,16,17</sup>  <b>REM7</b> Remote emergency battery, 90 min, 7W <sup>10,17,18</sup>	<b>BKT</b> Jet black <b>BZT</b> Bronze <b>CHT</b> Champagne <b>DGT</b> Gun metal <b>GRT</b> Titanium gray <b>MST</b> Matte silver <b>SGT</b> Steel gray <b>WHT</b> Snow white  <b>CMC</b> Custom matched color <sup>19</sup> <b>RAL</b> RAL color <sup>20</sup>

## NOTES

- \*- Denotes a required field
- 1- Not available with DMX, EMC10, DS or REM7.
- 2- For L4L75 and L4L90, 347V is available only with oversized canopy and cannot be combined with MS.
- 3- Not available in 12IN or 24IN suspension lengths.
- 4- If DMX option is selected, STM maximum length is 36" (914mm).
- 5- Available only with STM.
- 6- Not available with EMC10 or REM7.
- 7- Not available with L4L90.
- 8- Installed in Ø15" oversized canopy.
- 9- Default dimming curve: Logarithmic. Factory set to address one unless otherwise specified. Refer to DMX Reference Guide available on website.
- 10- 120V or 277V only.
- 11- Installed in either Ø11" or Ø15" canopy with STM/SPG. Refer to the mounting images for more details.
- 12- Not available with MS, REM7, EMC10, DMX or UL4L10.
- 13- For NLTAIR2 downlight with additional light, DS is required.
- 14- Lumen conversion factor (LCF) 0.8. Available only if additional upright is selected.
- 15- 360° PIR motion sensor. MS turns on/off only. If the fixture is mounted at 8ft above the floor, the coverage area that the motion sensor detects is a diameter of 16 ft. Not available with additional light, DMX, EMC10, or REM7, and some restrictions apply with 347V. Available only with HC1600.
- 16- Not available with DMX and for models above 80W. Installed in Ø15" oversized canopy
- 17- Powers downlight only.
- 18- Remote mount 50ft - 12" (305mm) square enclosure with access cover. Cable between fixture and remote box is provided by others. California Title 20 Compliant. For L4L60 to L4L90, two out of the four LED boards will light up.
- 19- Contact factory to coordinate custom matching color.
- 20- Specify RAL number.

### ORDERING CODE

*SERIES	*LIGHT OUTPUT		*CCT		*VOLTAGE		ADDITIONAL UPLIGHT		
<div>HC1605</div> <div></div>	L4L30	3032 lm / 32w	27K	2700K	120	120V	UL4L10	1039 lm / 7W	
	L4L45	4456 lm / 50w	30K	3000K	277	277V	UL4L20	2144 lm / 15W	
	L4L60	6092 lm / 73w	35K	3500K	347	347V <sup>1,2</sup>	UL4L32	3199 lm / 23W	
	L4L75	7477 lm / 94w	40K	4000K	MVOLT	120V-277V	STM	Field-cuttable hang straight stem <sup>4</sup>	
	L4L90	8523 lm / 112w							
Delivered lumens calculated at 4000K/80CRI. Typical power consumption. Refer to LCF table for outputs at other CCTs.									

*SUSPENSION LENGTH	MOUNTING ACCESSORY	CONTROLS	LENS/DIFFUSER	FUSE
<b>12IN</b> 12" <b>24IN</b> 24" <b>36IN</b> 36" <b>48IN</b> 48" <b>60IN</b> 60" Available up to 240" in 12" increments.	<b>STC</b> Set of 3 stabilizer cables <sup>5</sup>	<b>DMX</b> DMX/RDM dim to dark 0% <sup>6,7,8,9</sup> <b>NLTAIR2</b> nLight AIR 2.0 control embedded in canopy with black antenna <sup>10,11,12,13</sup>	<b>FDC</b> Frosted dust cover for optional uplight LED <sup>14</sup>	<b>FS</b> Fuse

DUAL SWITCHING	EMERGENCY	REFLECTOR FINISH	*FINISH
<b>DS</b> Dual circuit switching  Required field when Additional Uplight is selected.	<b>EMC10</b> 10W integral emergency battery, 90 min. Within oversized ceiling canopy. <sup>10,15,16</sup> <b>REM7</b> Remote emergency battery, 90 min, 7W <sup>10,16,17</sup>	<b>RP</b> Exterior of aluminum reflector to match housing finish <sup>18</sup>	<b>BKT</b> Jet black <b>BZT</b> Bronze <b>CHT</b> Champagne <b>DGT</b> Gun metal <b>GRT</b> Titanium gray <b>MST</b> Matte silver <b>SGT</b> Steel gray <b>WHT</b> Snow white  <b>CMC</b> Custom matched color <sup>19</sup> <b>RAL</b> RAL color <sup>20</sup>

#### NOTES

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- 7- Not available with L4L90.
- 8- Installed in Ø15" oversized canopy.
- 9- Default dimming curve: Logarithmic. Factory set to address one unless otherwise specified. Refer to DMX Reference Guide available on website.

10- 120V or 277V only.

11- Installed in either Ø11" or Ø15" canopy with STM/SPG. Refer to the mounting images for more details.

12- Not available with MS, REM7, EMC10, DMX or UL4L10.

13- For NLTAIR2 downlight with additional light, DS is required.

14- Lumen conversion factor (LCF) 0.8. Available only if additional uplight is selected.

15- Not available with DMX and for models above 80W. Installed in Ø15" oversized canopy

16- Powers downlight only.

17- Remote mount 50ft - 12" (305mm) square enclosure with access cover. Cable between fixture and remote box is provided by others. California Title 20 Compliant. For L4L60 to L4L90, two out of the four LED boards will light up.

18- Available only with HC1605.

19- Contact factory to coordinate custom matching color.

20- Specify RAL number.

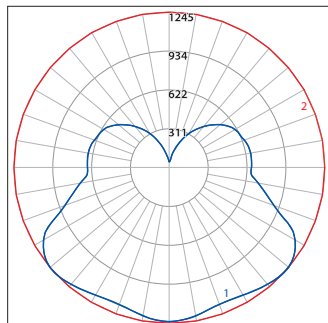
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HC1600/HC1605  
Rev. 04/29/25

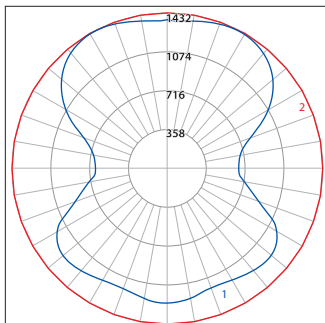
## TYPICAL PHOTOMETRY SUMMARY

HC1600-L4L90



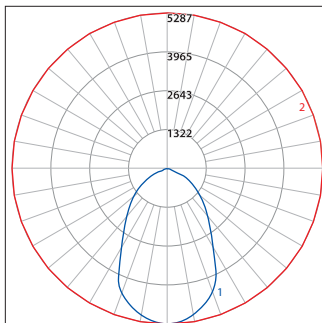
**Total Lms:** 9731 Lumens  
**Total Input Watts:** 108 W  
**Efficacy:** 90 Lumens/Watt  
**CCT/CRI:** 4000K/80  
**Maximum Candela:** 1212 @ 0°

HC1600-L4L90-UL4L32



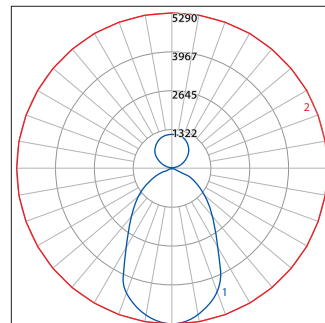
**Total Lms:** 13059 Lumens  
**Total Input Watts:** 113.4 W  
**Efficacy:** 115 Lumens/Watt  
**CCT/CRI:** 4000K/80  
**Maximum Candela:** 1432 @ 0°

HC1605-L4L90



**Total Lms:** 8523 Lumens  
**Total Input Watts:** 112 W  
**Efficacy:** 76 Lumens/Watt  
**CCT/CRI:** 4000K/80  
**Maximum Candela:** 5287 @ 0°

HC1605-L4L90-UL4L32



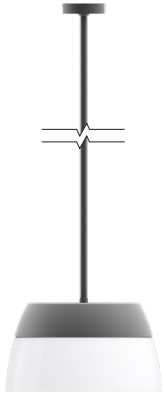
**Total Lms:** 11760 Lumens  
**Total Input Watts:** 135 W  
**Efficacy:** 87 Lumens/Watt  
**CCT/CRI:** 4000K/80  
**Maximum Candela:** 5290 @ 0°

### LUMEN CONVERSION FACTOR (LCF)

CCT	CRI	LCF
2700K	80	0.92
3000K	80	0.94
3500K	80	0.98
4000K	80	1.00

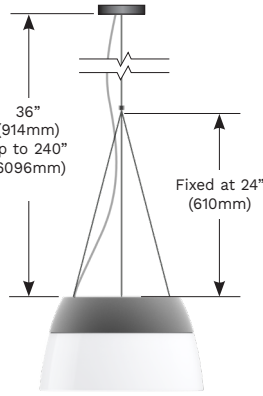
All Photometry shown use the 80CRI 4000K LEDs.  
Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. file.

## OPTION DETAILS



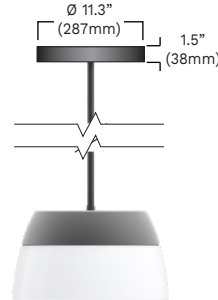
### STM

Heavy duty 30° hang straight swivel, with Ø4.5" (114mm) canopy and universal mounting plate. Ø7/8" (22mm) suspension stem with aircraft safety cable.



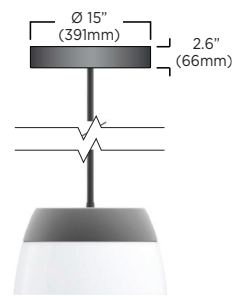
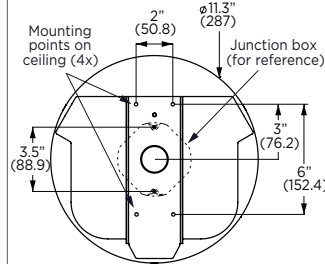
### SPG

Silver braided power cord with onsite adjustable aircraft safety cable. Second cord added to models with the following options: DMX, DS.



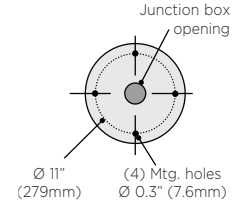
### 11" CANOPY (347V AND SOME OPTIONS)

These options require the drivers to be installed in an oversized canopy. Applicable for STM and SPG.



### 15" CANOPY (DMX, EMC10)

These options require the drivers to be installed in an oversized canopy. Applicable for STM and SPG. For DMX and EMC10.



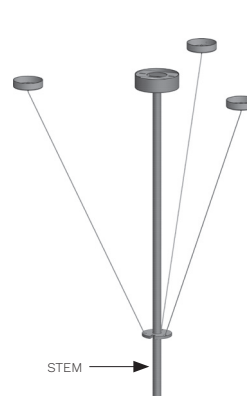
### MS (for STM)

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



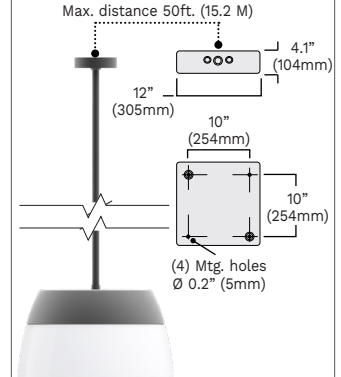
### MS (for SPG)

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.



### STC

Set of three stabilizer cables. For stem mount only.



### REM7 (FOR STM & STG)

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

## OPTION DETAILS

