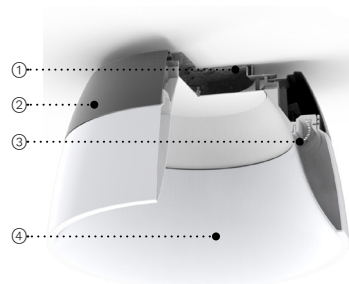**PROJECT NAME:**   **QUANTITY:**   **TYPE:**

ORDERING CODE:

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 RP).

All stainless steel hardware

HC1610

HC1615

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. Both options offer a distinct look and different distributions. The illumination is provided by an array of four curved LED boards.

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

Surface mounting bracket to be affixed with 3 screws on the surface outside the junction box. See diagram for details.

MEASUREMENTS

Maximum weight: 16 lbs (7.25 kg)

6.75"
(171mm)

11"
(279mm)

19"
(483mm)
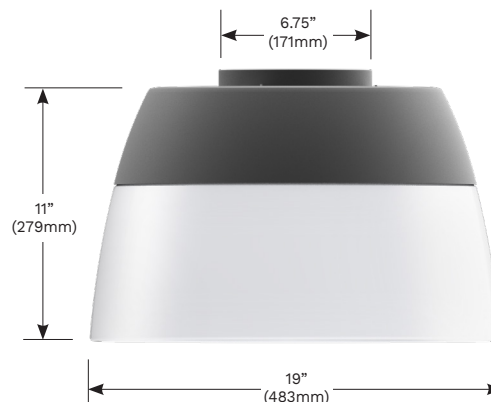
* L4L30, L4L45, L4L60, L4L75 light output dims to min. 1%

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HC1610/HC1615
Rev. 11/19/24

ORDERING CODE

*SERIES	*LIGHT OUTPUT		*CCT		*VOLTAGE		CONTROLS	
HC1610	L4L30	3272 lm / 29w	27K	2700K	120	120V	DMX	DMX/RDM dim to dark 0%[3]
	L4L45	4655 lm / 42w	30K	3000K	277	277V		
	L4L60	6338 lm / 61w	35K	3500K	347	347V[1,2]		
	L4L75	7750 lm / 77w	40K	4000K	MVOLT	120V-277V		
	L4L90	9731 lm / 108w						
	Delivered lumens calculated at 4000K/80CRI. Typical power consumption. Refer to LCF table for outputs at other CCTs.							

FUSE		MOTION SENSOR		EMERGENCY		*FINISH	
FS	Fuse	MS	PIR motion sensor[4]	EMC10	10W integral emergency battery, 90 min. Within oversized ceiling canopy.[5,6]	BKT	Jet black
				REM7	Remote emergency battery, 90 min, 7W[5,7]	BZT	Bronze
						CHT	Champagne
						DGT	Gun metal
						GRT	Titanium gray
						MST	Matte silver
						SGT	Steel gray
						WHT	Snow white
						CMC	Custom matched color[8]
						RAL	RAL color[9]

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 with EMC10, REM7 or L4L90. Installed in Ø15" oversized canopy. Default dimming curve: Logarithmic. Factory set to address one unless otherwise specified. Refer to DMX Reference Guide available on website.

4- 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 HC1610.

5- 120V or 277V only.

6- Not available with DMX and for models above 80W.

7- 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.

8- Contact factory to coordinate custom matching color.

9- Specify RAL number.

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ORDERING CODE

*SERIES	*LIGHT OUTPUT		*CCT		*VOLTAGE		CONTROLS	
HC1615	L4L30	3032 lm / 32w	27K	2700K	120	120V	DMX	DMX/RDM dim to dark 0%[3]
	L4L45	4456 lm / 50w	30K	3000K	277	277V		
	L4L60	6092 lm / 73w	35K	3500K	347	347V[1,2]		
	L4L75	7477 lm / 94w	40K	4000K	MVOLT	120V-277V		
	L4L90	8523 lm / 112w						
	Delivered lumens calculated at 4000K/80CRI. Typical power consumption. Refer to LCF table for outputs at other CCTs							

FUSE		EMERGENCY		REFLECTOR FINISH		*FINISH	
FS	Fuse	EMC10	10W integral emergency battery, 90 min. Within oversized ceiling canopy.[4,5]	RP	Exterior of aluminum reflector to match housing finish[7]	BKT	Jet black
		REM7	Remote emergency battery, 90 min, 7W[4,6]			BZT	Bronze
						CHT	Champagne
						DGT	Gun metal
						GRT	Titanium gray
						MST	Matte silver
						SGT	Steel gray
						WHT	Snow white
						CMC	Custom matched color[8]
						RAL	RAL color[9]

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 with EMC10 ,REM7 or L4L90. Installed in Ø15" oversized canopy. Default dimming curve: Logarithmic. Factory set to address one unless otherwise specified. Refer to DMX Reference Guide available on website.

4- 120V or 277V only.

5- Not available with DMX and for models above 80W.

6- 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.

7- Available only with HC1615.

8- Contact factory to coordinate custom matching color.

9- Specify RAL number.

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TYPICAL PHOTOMETRY SUMMARY

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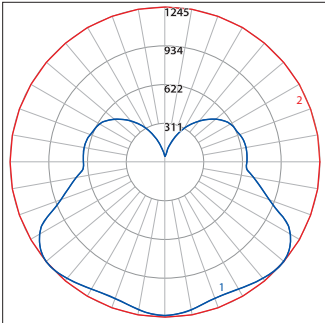
Total Lms: 9731 Lumens
Total Input Watts: 108 W
Efficacy: 90 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 1212 @ 0°

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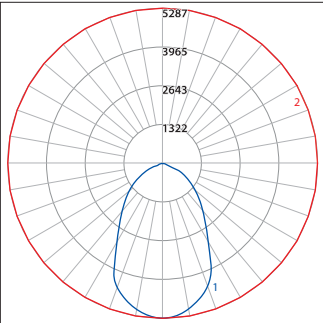
Total Lms: 8523 Lumens
Total Input Watts: 112 W
Efficacy: 76 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 5287 @ 0°

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 for complete I.E.S. file.

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OPTION DETAILS

6.75"
(171mm)

Junction box
(for reference)

4.15"
(105mm)

Mounting points
on ceiling (3x)

4.75"
(120mm)

Mounting bracket diagram

STANDARD CEILING BRACKET
Heavy duty ceiling bracket, to be centered over junction box and mounted to ceiling with 3 screws (by others), appropriately selected for weight of fixture and ceiling type.
Dimensions: Ø 6.75" x 0.625" (171mm x 16mm) height.

11.3"
(287mm)

ø 11"
(287mm)

2"
(50.8mm)

Mounting
points on
ceiling (4x)

Junction box
(for reference)

3.5"
(88.9mm)

3"
(76.2mm)

6"
(152.4mm)

EMC10 / DMX / 347V SOME OPTIONS
These options require an oversized canopy.
Dimensions: Ø 11.3" x 1.5" (287mm x 38mm) height.

Max. distance 50ft. (15.2 M)

4.1"
(104mm)

12"
(305mm)

10"
(254mm)

10"
(254mm)

(4) Mtg. holes
Ø 0.2" (5mm)

REM7
7W Remote mount 120/277V emergency battery pack. Test switch provided within enclosure with 5" (127mm) leads.

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.

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