BEACON
design . performance . technology

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

CEILEO

CEILING/GARAGE

FEATURES

- Available in round and square version
- Reduces maintenance by delivering over 200,000 hours of projected life
- Consumes only 55 watts and is designed to replace up to 250 watt HID systems
- Can be used with 0–10V current-sinking control devices (occupancy sensors, external dimmers, etc)
- Cast LED housing is designed for easy removal and access to driver compartment
- Low-profile, ultimate solution in LED recessed canopy lighting applications

Round

Square

UL 1598

BROCHURE

INSTRUCTIONS

SPECIFICATIONS

CONSTRUCTION

- Die cast aluminum LED housing provides direct heat exchange between the LED light engine and the cool outdoor air
- Mounted with two key-slotted screws for easy installation and removal
- Galvanized stell recessed housing mounts to ½" EMT conduit, contains driver compartment and separate line voltage and dimming wiring compartments
- Drivers mounted to removable tray accessible from beneath for easy services
- Optical one piece cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel
- Die cut foam silicone gasket ensures a weather-proof seal around each individual LED

CONSTRUCTION CONTINUED

- Ceileo uses a 24-LED engine that can be field adjusted to four wattages (55, 45, 30, 15 watts) and four lumen outputs by a four position rotary dimming switch
- The switch shall be mounted on the PCB and used to manually set dimming level to approximately 25%, 50%, 75% and 100% of current
- Dimming switch shall be accessible by removing a screw from the bezel. Following removal of screw, switch may be rotated with a small screwdriver
- Independent insitute thermal testing confirm solder point temperatures not to exceed 55°C and driver case temperatures not to exceed 60°C at 55-watts input power
- At 30-watts input power solder point temperature will not exceed 40˚C and driver case temperatures will not to exceed 55˚C

ELECTRICAL

- 100–277V, 50–60 Hz (UNV)
- Power factor is ≥ .90 at full load
- Comes standard with 0–10 OV dimming capability, with flicker-free dimming to 10%. Must contact factory to request wiring leads for purpose of external dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher
- Surge protection - 20kA

CERTIFICATIONS

- The luminaire shall be NRTL certified to UL 1598 and 8750 standards for use in wet locations in outdoor canopies

WARRANTY

- 5 year warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	5423–6267
Wattage Range	55
Efficacy Range (LPW)	100–115
Fixture Projected Life (Hours)	L70>704K
Weights lbs. (kg)	11 (5.0)

HUBBELL Lighting

BEACON
design . performance . technology

CEILEO

CEILING/GARAGE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

ORDERING GUIDE

Example: CLO–24L-55–3K7–5R–UNV–SQ–DB

CATALOG # _____

Model		Engine - Watts		LED Color		Optics		Voltage		Style Options		Color	
CLO	Ceileo	**24L-55**	55 Watts - LED array	**3K7**	3000K	**5x5**	Aisle Lighter	**UNV**	120–277V	**RD**	Round	**BI**	Black Textured
				4K7	4000K	**5R**	Type V, Rectangular			**SQ**	Square	**DB**	Dark Bronze Textured
				5K7	5000K	**5QM**	Type V, Square Medium					**GYS**	Light Gray Smooth
						5QN	Type V, Square Narrow					**PS**	Platinum Silver Smooth
						5W	Tpe V, Round Wide					**WH**	White Textured
						3x5	Vertical Flood					**CC**	Custom Color
						DF	Diffused Lens						

PERFORMANCE DATA

				5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G
24	700mA	55W	5X5	6089	112	N/A	N/A	N/A	6213	114	N/A	N/A	N/A	5716	105	N/A	N/A	N/A
			5R	6025	111	3	1	3	5147	113	3	1	3	5655	104	3	1	3
			5QM	6038	111	3	1	1	6161	113	3	1	1	5668	104	3	1	1
			5QN	6142	113	2	0	0	6267	115	2	0	0	5766	106	2	0	0
			5W	5902	108	3	1	1	6022	111	3	1	1	5541	102	3	1	1
			3X5	5777	106	N/A	N/A	N/A	5895	108	N/A	N/A	N/A	5423	100	N/A	N/A	N/A

1 Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	1TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°F	1.00	0.98	0.97	0.96	0.94	>704,000

1 Projected per IESNA TM-21-11
2 Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	OPER. CURRENT (Amps)	SYSTEM POWER (Watts)
24	1	700 (mA)	120	0.48	57.0
			277	0.21	57.0

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00

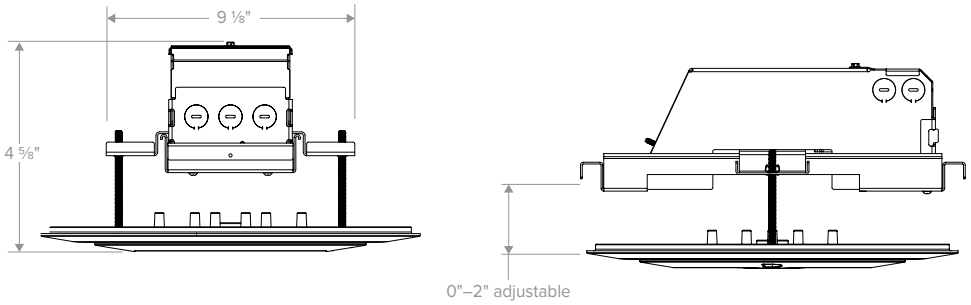
Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F)

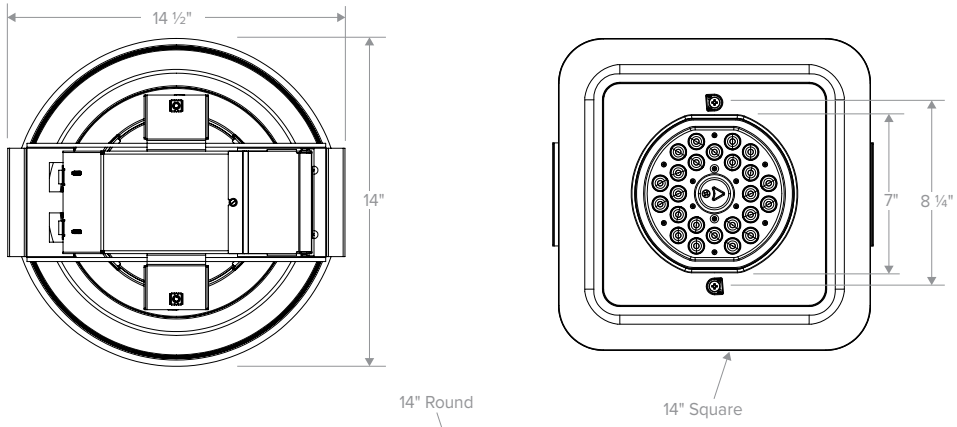
HUBBELL Lighting

CEILEO

CEILING/GARAGE

DIMENSIONS





ADDITIONAL INFORMATION

PRODUCT VIEWS