

COLD ROOM CEILING LIGHT



A weather-proof LED ceiling light that can be used in the low temperatures (-40°C to +35°C) of cold/freezing storage.

ENERGY SAVING EFFECT (Instant on/off)

HID and low-temperature incandescent lamps take time to start up once turned on, but LEDs can turn on instantly, allowing them to be turned off when workers are not in the storage area. Turning the power off frequently increases the energy saving effect.

CURBING HEAT KEEPS DOWN REFRIGERATION LOAD

The surface temperature of LED luminaires is lower than that of low-temperature HID or incandescent lamps, reducing their impact on refrigeration load.

CURBING HEAT KEEPS DOWN REFRIGERATION LOAD

LED modules have a long life of 60,000hours. They can greatly reduce the frequency of maintenance of illumination in the harsh operating environment of frozen storage.

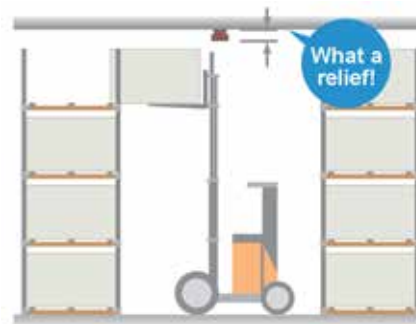
* 23W type only

The life of the 43W type is 60,000hours below -10°C. Above that, it is 40,000hours.

EFFICIENT EVEN AT LOW TEMPERATURES

As the luminous flux of incandescent lights drops with the operating temperature, more lights are needed, consuming energy unnecessarily. The excellent low-temperature traits of LEDs contributes to reducing power consumption and maintaining high efficacy even at low temperatures.

THIN DESIGN



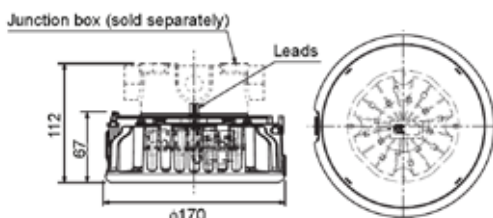
The thin design of the luminaire keeps it out of the way when moving goods in the storage.

COMPATIBLE WITH LOW TEMP ENVIRONMENTS

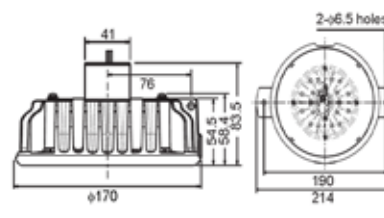
Cold Storage Classes	Storage Temperature
Class C ³	-2°C to +10°C
Class C ²	-10°C to -2°C
Class C ¹	-20°C to -10°C
Class F ¹	-30°C to -20°C
Class F ²	-40°C to -30°C

With their wide operating range of -40°C to +35°C, LED luminaires can be used in new construction or retrofitting of frozen storage, as well as in standard temp ranges.

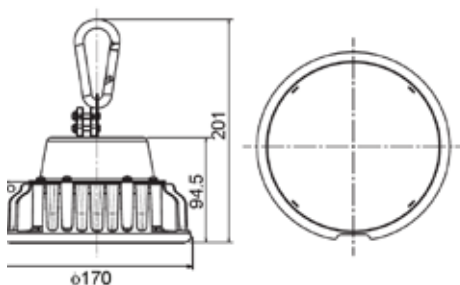
PRODUCT DIMENSION



JUNCTION BOX MOUNT

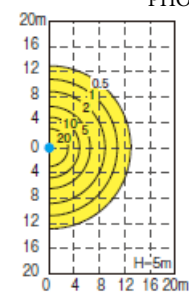


CEILING/RACEWAY MOUNT

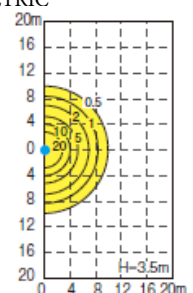


PENDANT

PHOTOMETRIC



43W



23W



Model No.	EQCL1002DSA9	EQCL1002CSA9	EQCL1002RSA9
Temperature	- 40°C ~ +35°C		
Power Consumption	23		
CCT (K)	5500		5500
CRI	≥70		≥70
Luminous Flux (lm)	1,880		2,470
Luminous Efficacy (lm/w)	87.1		107.4
Power Factor (PF)	≥ 0.9		≥ 0.9

Model No.	EQCL1003DSA9	EQCL1003CSA9	EQCL1003RSA9
Temperature	- 40°C ~ +35°C		
Power Consumption	42		
CCT (K)	5500		5500
CRI	≥70		≥70
Luminous Flux (lm)	2,650		3,480
Luminous Efficacy (lm/w)	61.6		80.1
Power Factor (PF)	≥ 0.9		≥ 0.9

* 42W (100V/242V, 50/60Hz)

* Design life of LED modules is 40,000hours. However at low temperatures (10°C or less), the design life is 60,000hours.

COMMON SPECIFICATION

Body: Diecast aluminum
 Globe: Polycarbonate
 Finish color: White
 Weight: 1.4kg (Junction Box Mount & Ceiling/Raceway Mount)
 1.7kg (Pendant)