

DESCRIPTION

Rayo RCP 07, is a cost effective, energy saving LED light fixture for surface mount applications in commercial buildings, retail, and educational facilities. Thin design, though, the housing provides excellent heat dissipation which prolongs its lifespan. The precision-designed optical lens reduces glare, improves optical performance and provides comfortable lighting effects. The RCP 07 is equipped with an external quick-mounting plate suitable for standard J-BOX mount and also compatible with 3/4" pendant mount, with 1/2" knock-out holes reserved on three sides, suitable for surface conduit wiring installation. RCP 07 also has high return benefits, it supports 4 lumen package selectable (100%, 80%, 60%, 40%); and Three CCTs selectable (3000K, 4000K, 5000K).

SPECIFICATION FEATURES

Construction

- One-piece die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber.
- Casting thermally conducts LED heat to optimize performance and long life.
- With corrosion-resistant powder coating that provides protection and architectural appearance while adapting well to the environment in the garage.

Optics

- Light engines are available in color tunable version, the CCT can be changed to 3000K/4000K/5000K.
- Scalable Lumen Packages from 3,700 to 8,400 Lumens.
- Anti-UV prismatic translucent lens is designed to shape the light distribution and uniformity.

Electrical

- Universal 120-277 or 120-347 VAC input voltage.
 - 0-10V Dimming.
 - Both drivers have a power factor >90%, THD <20%.
 - Operating Temperature Range: -40°C to 40°C (-40°F - + 104°F).
- Note: Operating with emergency battery temperature range: 10°C to 40°C (+50°F - + 104°F).

Controls

- Optional PIR sensor
- Optional Emergency Battery

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year warranty.

Certifications

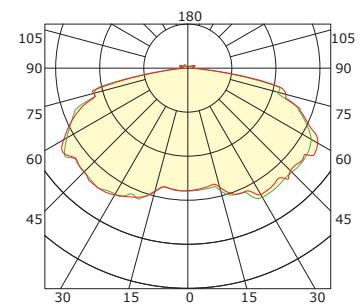
- UL cUL wet location listed.
 - DesignLights Consortium™ Qualified.
- Note: Please refer to the DLC website for specific product qualifications at www.designlights.org.

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.



PHOTOMETRICS



ACCESSORIES(Optional)



Emergency Battery Backup
Description: 5W 800lm 90min



PIR Sensor, 120-277V
Description: External sensor can be pre-installed in factory or field installed.



Microwave Sensor, 12V
Description: Sensor can be built-in fixture.

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
60W	120-277VAC	70	7800lm	130lm/W	8400lm	140lm/W	8000lm	133lm/W
60W	120-347VAC	70	7800lm	130lm/W	8400lm	140lm/W	8000lm	133lm/W

ADJUSTABLE LUMEN OUTPUT TABLE

SETTING	SETTING WATTS	LUMENS (3000 K)	LPW (3000 K)	LUMENS (4000 K)	LPW (4000 K)	LUMENS (5000 K)	LPW (5000 K)
100 %	60W	7800lm	130lm/W	8400lm	140lm/W	8000lm	133lm/W
80 %	48W	6500lm	135lm/W	7000lm	146lm/W	6600lm	138lm/W
60 %	36W	5200lm	144lm/W	5600lm	156lm/W	5300lm	147lm/W
40 %	25W	3700lm	148lm/W	4000lm	160lm/W	3800lm	152lm/W

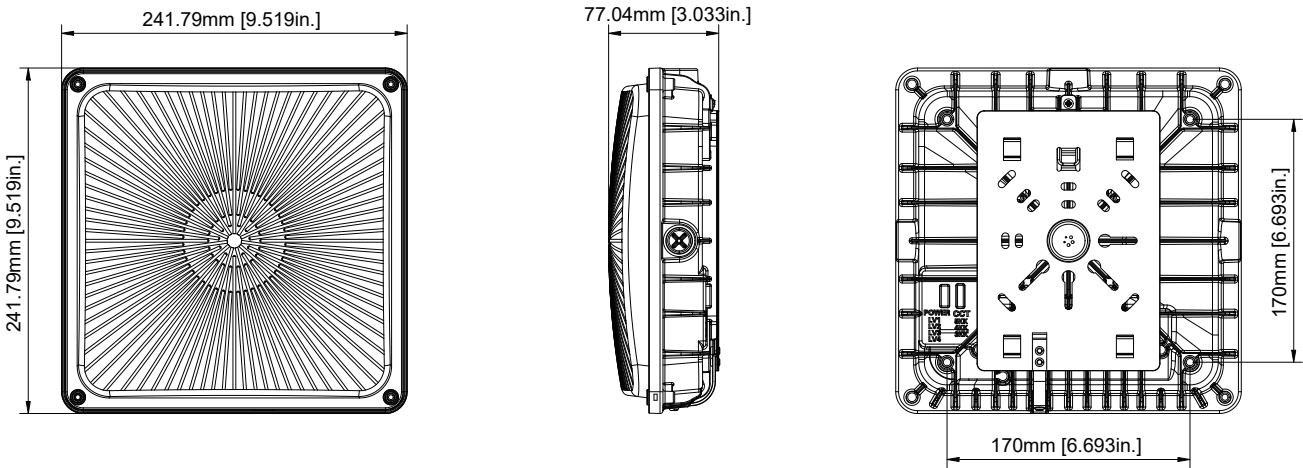
ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	900	60	120	0.50
		60	208	0.29
		60	240	0.25
		60	277	0.22
		60	347	0.17

DIMENSIONS

unit: mm/inch

Net Weight: 3.88 lbs



ORDERING GUIDE										
Example: RCP 07 60W 27V DDK YYY YYY										
Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Emergency Battery (Option)	Surge Protector(Option)	CCT and Power Adjustable	Internal Code
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
RCP 07 Canopy Series	60 60W	27V 120-277V 34V 120-347V	DDK ¹ Adjustable color temperature	D Dark Bronze B Black W White	P With Photocell Blank Without Photocell	M With Sensor Blank Without Sensor	B ² Emergency Battery Blank Without Emergency Battery	S With Surge Protector Blank Without Surge Protector	AD ¹ With Adjustment Dial Blank Without Adjustment Dial	Blank Alphanumeric

Note: 1. CCT and power adjustable.
2. Battery only suitable for 120-277V.