Lightalarms

RPR Series

Remote recessed architectural fixture

Construction
- Thermoplastic rectangular fixture with additional round trim-plate, white finish
- All-metal backbox enclosure
- Fixed optics, optimized light distribution for ceiling heights up to 12 ft.
- Four high-intensity LEDs with redundant connections; 140 lm/W, CCT 5000K

Options
- Plenum-rated enclosure
- Black thermoplastic decorative trim-plates
- Fixed, square light distribution pattern

Mounting
- Easily spring mounted in sheetrock ceiling
- Recessed installation in T-bar suspended ceilings

Electronics
- AC model compatible with Lightalarms® mini inverters
- DC model available with Lightalarms® 6-24 battery units

Approvals
- Listed UL-924 for damp locations: 50° to 104°F (10° to 40°C)
- Listed NSF, splash non-food zone

Warranty (subject to proper installation and maintenance)
Unit has a five-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**

Photometric performance

The RPR Series has a fixed lighting distribution, optimized by design for ceiling heights up to 12 ft. Along an office corridor the space coverage ranges from 68 to 80 feet. The square distribution pattern option covers a surface of more than 700 square feet.

Table A: Standard unit 6-ft wide corridor[1]

Mounting height	Spacing center-to-center
9 ft	68 ft
10 ft	80 ft
12 ft	72 ft

72 ft — Center-to-center spacing
Mounting height
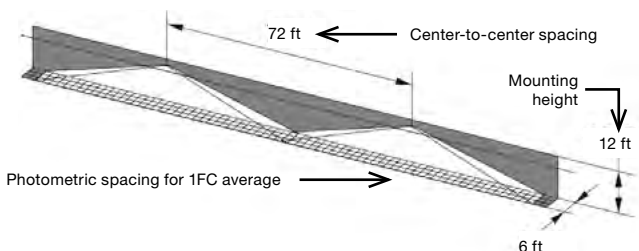12 ft
Photometric spacing for 1FC average
6 ft

Table B: Option "square distribution pattern" – single unit coverage[1]

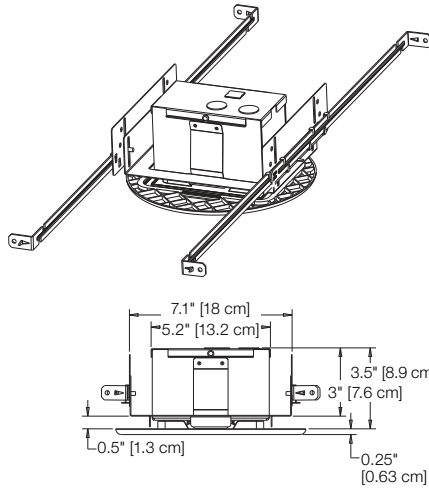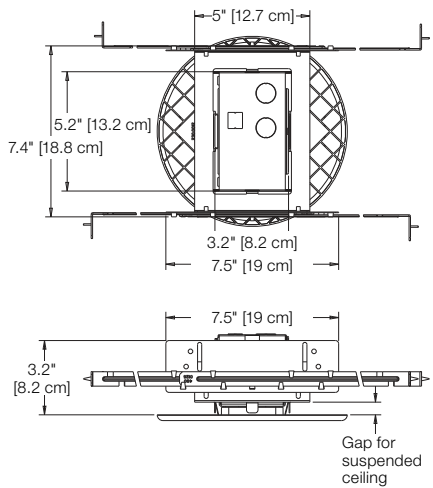| Mounting height	Room size	Room surface
10 ft	27 ft x 27 ft	729 square feet

[1]Note: Illumination levels as per the Life Safety Code (NFPA 101):
Average 1 fc, Minimum 0.1 fc, Max-to-min ratio 40:1.
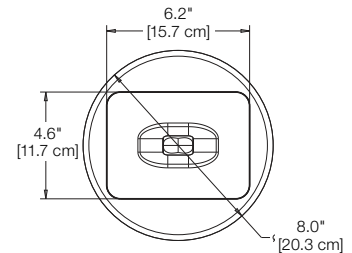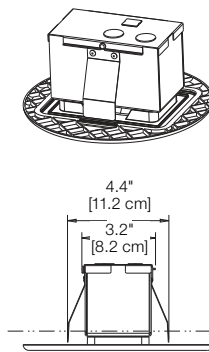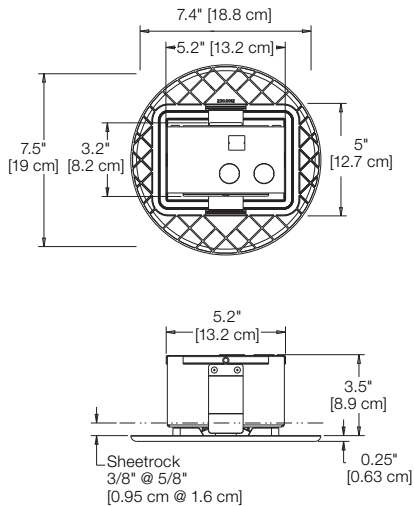Typical reflectance levels of walls/ceiling/floor: 80/50/20.

10 ft
27 ft
27 ft
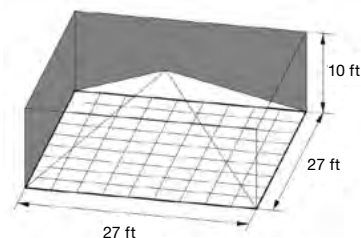
Dimensions (Dimensions are approximate and subject to change)

Recessed suspended ceiling mount

5" [12.7 cm]
5.2" [13.2 cm]
7.4" [18.8 cm]
3.2" [8.2 cm]
7.5" [19 cm]
7.5" [19 cm]
3.2" [8.2 cm]
Gap for suspended ceiling

4.6" [11.7 cm]
8.0" [20.3 cm]
6.2" [15.7 cm]

7.1" [18 cm]
5.2" [13.2 cm]
3.5" [8.9 cm]
3" [7.6 cm]
0.5" [1.3 cm]
0.25" [0.63 cm]
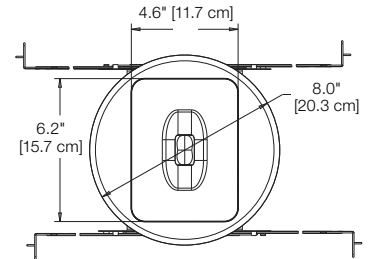
Recessed sheetrock ceiling mount

7.4" [18.8 cm]
5.2" [13.2 cm]
7.5" [19 cm]
3.2" [8.2 cm]
5" [12.7 cm]

6.2" [15.7 cm]
4.6" [11.7 cm]
8.0" [20.3 cm]

5.2" [13.2 cm]
3.5" [8.9 cm]
Sheetrock 3/8" @ 5/8" [0.95 cm @ 1.6 cm]
0.25" [0.63 cm]

4.4" [11.2 cm]
3.2" [8.2 cm]

Power consumption and unit rating

AC				DC	
Input (VAC)	Input current (A)	Input power (W)	Power factor	Input voltage (VDC)	Input power (W)
120	0.060			6-24	6.5
240	0.030	7.0	0.95		
277	0.025				

Ordering format

Series	Color	Voltage	Options
RPR= Recessed plastic remote fixture	**B**= Black **W**= Factory white	**AC**= 120 to 277VAC, 50/60Hz **DC**= 6 to 24VDC	**Blank**= No options **P**= Plenum/Type IC rated **SQ**= Square distribution pattern

Example: RPRWACSQ