High Abuse Recessed/Semi-Recessed Collection

R81 • R83

High Abuse Vandal Resistant Recessed LED Luminaire

MODEL SERIES

R81 Series - Drop Square Lens
(Standard)

R81 Series - Drop Pyramidal Lens
(Optional)

R83 Series

order example:
R83-LED40-CT4-80CRI-UNV-BZ-BLD

SERIES

R81	R81 Series - Recessed Mount Drop Square Lens
R83	R83 Series - Recessed Mount Flat Lens

LED WATTAGE (130lm/W Nominal)

LED25	25 Watt LED (3250 Lumens)
LED36	36 Watt LED (4680 Lumens)
LED40	40 Watt LED (5200 Lumens)

LED COLOR TEMPERATURE (CCT)

CT3	±3000K Color Temp
CT35	±3500K Color Temp
CT4	±4000K Color Temp
CT5	±5000K Color Temp

COLOR RENDERING INDEX (CRI)

80CRI	80 Color Rendering Index (STANDARD)
90CRI	90 Color Rendering Index (Not Available for 5K)

VOLTAGE

UNV	120~277 Universal Volt Driver

STANDARD FINISH

BZ	Bronze (Standard)

PREMIUM UPCHARGE FINISH

BK	Black
PA	Painted Aluminum
WHT	White
CC	Custom Color (Visit www.ralcolor.com)

LENS OPTIONS

DS	Drop Square Lens *– R81 Only / STANDARD*
DP	Premium Drop Pyramidal Lens *– R81 Only / MOQ = 25pcs*
D	K12 Prismatic Polycarbonate Lens .156" thick *– R83 Only / STANDARD*
J	.187" Clear Polycarbonate Lens *– R83 Only*
OPL	Opal Flat Lens (R83 Only)

CONTROL OPTIONS (Choose from Manual or Sensor)

MANUAL CONTROL (Wall Switch or Control System)
Note: Cannot be used with Sensor Controls Below
Note: 0-10V (100-30%) Dimming is Standard

0-10D1	0-10VDC LED Dimming Driver (100-10%)
0-10D2	0-10VDC LED Dimming Driver (100-1%)
BLS	Bi-Level Switching - Uses 2 Drivers (2UNV)

OR

SENSOR CONTROL (Sensor Integral to Fixture)
Note: Cannot be used with Manual Controls Above
Note: Motion Sensor Max Mounting Height 18-Feet
Note: See Accessory Options for Required Remote

OCC	Occupancy Sensing | Motion Sensor Integral *– Microwave / Single Feed / 120/277 Only* *– Stand-by Dim Level Presets: On/Off (0%/100%)*
BLD	Bi-Level Dimming | Motion Sensor Integral *– Microwave / Single Feed / 120/277 Only* *– Stand-by DimLevel Presets:* 10% / 20% / 30% (Standard) / 50%

MISC OPTIONS

FUS	Fuse and Fuseholder
FUS2	Double Fusing

Additional Options on PAGE 2

Catalog Number	
Project Name & Location	Type

Product Specifications

DRIVER: Univeral Voltage 120/277V Electronic Driver with 0-10V dimming is standard.
EMERGENCY: Remote or Integral Emergency Battery (LED).
GASKETING: High temp., non-aging black EPDM and/or neoprene rubber concealed in housing pocket & enclosed by cast-in drip shield & rear wire entrance hole to protect against outside contaminants.
HOUSING: Heavy wall cast aluminum with wire access on four sides and back through threaded 1/2" conduit size entrance holes. Bronze oven baked Polyester Powder Coat.
LIGHT ENGINE: Energy Efficient Light Emitting Diode (LED).
LENS: Drop Square Prismatic (Standard on R81) or .156" thick K12 Prismatic Polycarbonate (Standard on R83).
LENS FASTENERS: Stainless steel tamperproof screws (4) to secure lens in place.
MOUNTING HOLES: 4-Point Mount: (4) 5/16" Diameter Holes For 1/4" Diameter Rods.
REFLECTOR: .032 textured aluminum for high efficiency and reduce arc tube voltage rise.
COMPLIANCE: Built to comply with U.S. and Canadian safety standards. Suitable for wet locations. **Buy American Act and Build America/Buy America Act compliant.**

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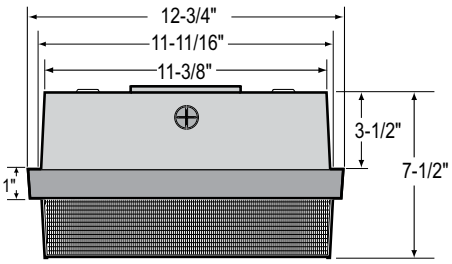
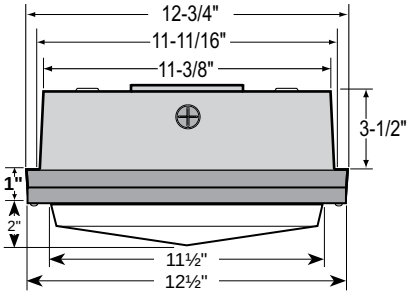
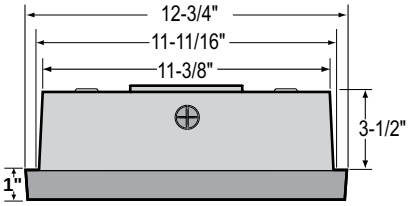
DIMENSIONS



R81 Series - Drop Square Lens
(Standard)

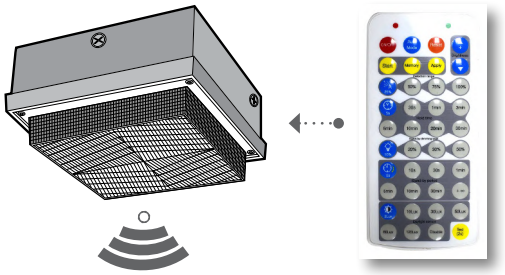


R81 Series - Drop Pyramidal Lens
(Optional)



R83 Series

MOTION SENSOR / REMOTE OPTION



Wireless Remote Control (REMT0009)

For Use with Motion Sensor Options

EMERGENCY BATTERY OPTIONS

- **No Onsite Emergency (AC / DC) is Provided**
- **Emergency Battery Options Meet California Energy Commission Title 20 [CEC-400-2014-009-CMF] Efficiency Standands (Cold Weather is NON-CEC)**
- **Cold Weather Emergency Batteries Temp Range: -20°C thru 50°C**
- **Constant Power Batteries have Constant Lumens**
- **Max Whip Length for REM is 8ft**

EM4W	Integral 4 Watt LED
EM8W	Integral 8 Watt LED
EM10W	Integral 10 Watt LED
EM10W-CW	Integral 10 Watt LED - Cold Weather
REM4W	Remote 4 Watt LED
REM8W	Remote 8 Watt LED
REM10W	Remote 10 Watt LED
REM10W-CW	Remote 10 Watt LED - Cold Weather

ACCESSORY OPTIONS

Order As A Separate Line

TPD	Tamperproof Screwdriver
REMT0009	Remote Controller for Sensor Options

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