

Everything an LED garage light should be. And more.

PORTO™ now available in 3 high-output versions.



**RAB**<sup>®</sup>  
LIGHTING  
RABWEB.COM • 888 722-1000

# PORTO

- Integrated photo/motion sensor control available
- Replace up to 250W MH
- Ultra-high efficiency up to 118 lm/W
- Available in 2 sizes and 5 wattages: 30, 42, 55, 70, 80 and 105W
- Pendant and surface mount
- Low glare, vandal-resistant polycarbonate lens
- 20% uplight eliminates “cave effect”



**IP66**  
RATING

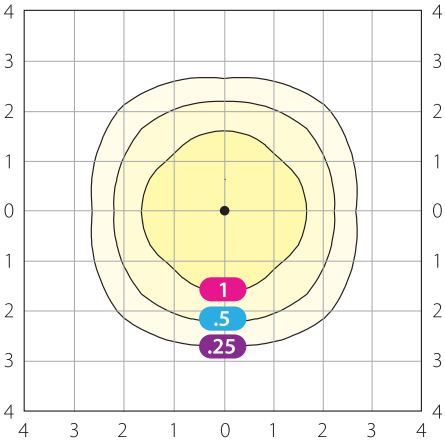


Please visit [rabweb.com](http://rabweb.com)  
to see which models are  
DLC listed.

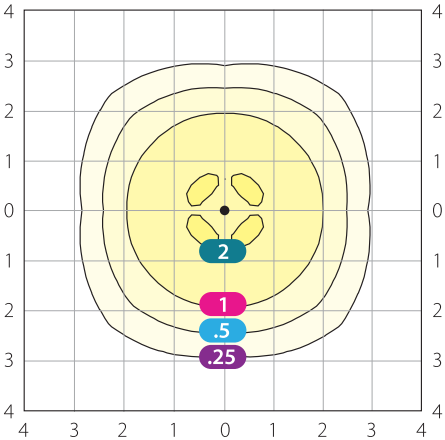
*18" PORTOs with higher wattages can be used where higher ceilings exist (over ramps) while 14" PORTOs are suitable for standard 8-10' ceilings.*

14" PORTO

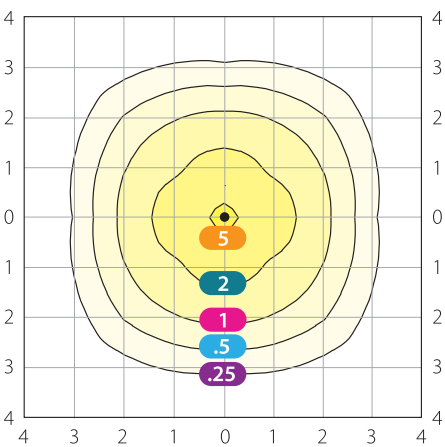
**PORTO 30W**  
10' Mounting Height  
5000K  
Photometric Report  
#RAB00790



**PORTO 42W**  
10' Mounting Height  
5000K  
Photometric Report  
#RAB00773



**PORTO 55W**  
10' Mounting Height  
5000K  
Photometric Report  
#RAB00765

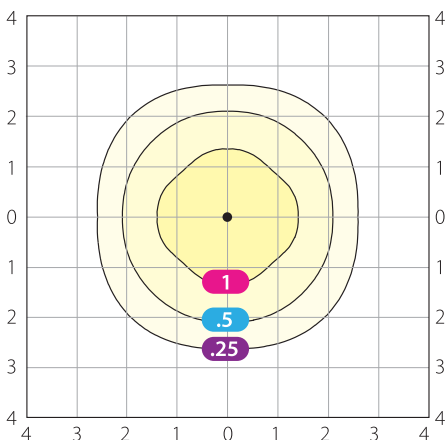


Mounting Height	8	9	10	11	12
Multiplier	1.6	1.2	1.0	0.8	0.7

Grid scales: Multiples of mounting height  
Values shown in footcandles

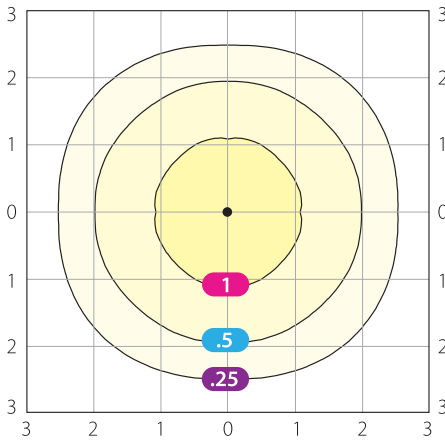
18" PORTO

**PORTO 70W**  
16' Mounting Height  
5000K  
Photometric Report  
#RAB00992



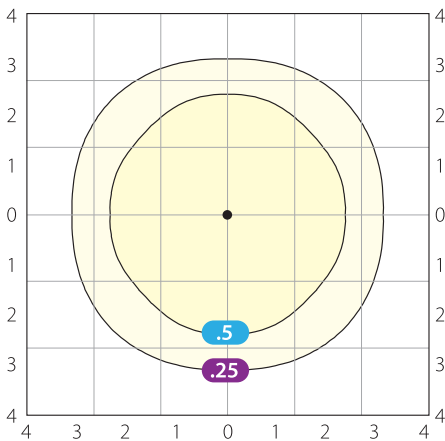
Mounting Height	14	16	18	20	22
Multiplier	1.3	1.0	0.8	0.6	0.5

**PORTO 80W**  
18' Mounting Height  
5000K  
Photometric Report  
#RAB00998



Mounting Height	14	16	18	20	22
Multiplier	1.7	1.3	1.0	0.8	0.7

**PORTO 105W**  
22' Mounting Height  
5000K  
Photometric Report  
#RAB00991



Mounting Height	14	16	18	20	22
Multiplier	2.5	1.9	1.5	1.2	1.0

Grid scales: Multiples of mounting height  
Values shown in footcandles

**UL Listing:** Suitable for wet locations

**LEDs:** Long-life, high-efficiency surface mount LEDs

**Lifespan:** 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

**IP Rating:** IP66, protected against dust and water ingress

**Drivers:**

**30W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.25A, 208V: 0.13A, 240V: 0.12A, 277V: 0.11A, 480V: 0.12A, surge protection 4kV, THD ≤20%, pF 99%

**42W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.36A, 208V: 0.19A, 240V: 0.18A, 277V: 0.17A, 480V: 0.13A, surge protection 4kV, THD ≤20%, pF 99%

**55W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.50A, 208V: 0.33A, 240V: 0.32A, 277V: 0.31A, 480V: 0.13A, surge protection 4kV, THD ≤20%, pF 99%

**70W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.59A, 208V: 0.37A, 240V: 0.32A, 277V: 0.27A, 480V: 0.15A, surge protection 4kV, THD ≤20%, pF 90%

**80W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.68A, 208V: 0.42A, 240V: 0.36A, 277V: 0.31A, 480V: 0.23A, surge protection 4kV, THD ≤20%, pF 90%

**105W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.87A, 208V: 0.52A, 240V: 0.45A, 277V: 0.38A, 480V: 0.23A, surge protection 4kV, THD ≤20%, pF 90%

**14" PORTO 30W**

Color Temperature	5000K	4000K	3000K
Input Watts	29	29	29
Output Lumens	3,455	3,151	3,136
Lumens Per Watt	118	108	107
Color Accuracy (CRI)	74	73	72

**14" PORTO 42W**

Color Temperature	5000K	4000K	3000K
Input Watts	43	43	43
Output Lumens	4,833	4,382	4,316
Lumens Per Watt	112	103	101
Color Accuracy (CRI)	74	73	72

**14" PORTO 55W**

Color Temperature	5000K	4000K	3000K
Input Watts	59	57	58
Output Lumens	6,085	5,303	5,234
Lumens Per Watt	103	93	91
Color Accuracy (CRI)	75	73	72

**18" PORTO 70W**

Color Temperature	5000K	4000K	3000K
Input Watts	71	70	71
Output Lumens	7,835	7,715	7,642
Lumens Per Watt	111	110	108
Color Accuracy (CRI)	74	73	71

**18" PORTO 80W**

Color Temperature	5000K	4000K	3000K
Input Watts	82	80	81
Output Lumens	8,754	8,479	8,384
Lumens Per Watt	107	106	104
Color Accuracy (CRI)	74	73	71

**18" PORTO 105W**

Color Temperature	5000K	4000K	3000K
Input Watts	104	104	103
Output Lumens	10,208	10,162	9,950
Lumens Per Watt	98	98	96
Color Accuracy (CRI)	74	73	71

**Ambient Temperature:** Suitable for use in 40°C ambient temperatures.

**Cold Weather Starting:** The minimum starting temperature is -40°C.

**Thermal Management:** Superior thermal management with external Air-Flow fins

**Housing:** Die-cast aluminum and sheetmetal housing

**Mounting:** Die-cast aluminum backbox with (4) 1/2" conduit openings with plugs. Hinged tether for easy installation and wiring. Also accommodates 1/2" or 3/4" NPS pendants (*provided by others*).

**Lens:** High-transmission and vandal-resistant polycarbonate frosted lens

**Reflector:** Specular polycarbonate

**Gaskets:** High-temperature silicone gaskets

**Color Stability:** LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:** RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

**Finish:** Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

**Green Technology:** Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**IESNA LM-79 & LM-80 Testing:** RAB LED luminaires have been tested in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

**California Title 24:** PORTO models with integrated multi-level motion sensor comply with 2013 California Title 24 building and electrical codes as commercial indoor fixtures for corridors, stairwells, warehouses and covered parking garages.

## Multi-level sensor specifications

**UL:** Suitable for wet locations as factory installed

**IP Rating:** IP66, protected against dust and water ingress

**Power consumption:** 1W

**0-10V sinking current:** 50mA

**Adjustable high and low modes:** High: 0-10V; Low: off, 0-9.8V

**Adjustable time delay:** Amount of time in high mode with no motion before switching to low mode: 1 - 30 min.

**Adjustable cut off delay:** Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 - 60 min., 1 - 5 hrs.

**Adjustable sensitivity:** None, low, medium, maximum

**Adjustable setpoint:** None, 1 to 250 fc, auto

**Adjustable ramp up and fade down times:** 1 - 60 sec.

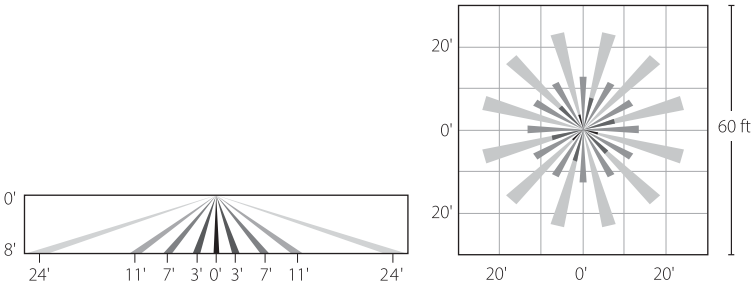
**Operating temperature:** -40°F to 167°F (-40°C to 75°C)

**Operating Humidity:** 20% to 90% noncondensing

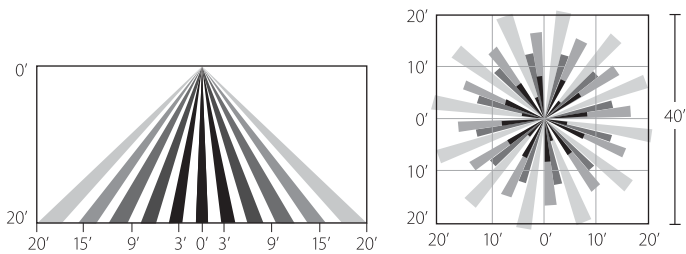
**Relay life rating:** 200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

# Photo/motion sensor detection coverage

## SENSOR FOR 14" PORTO

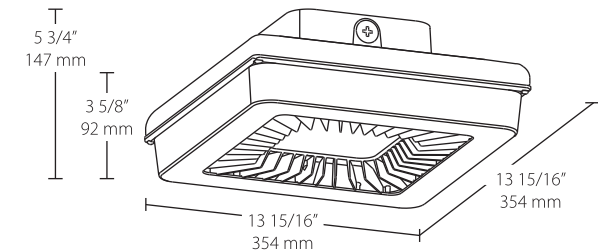


## SENSOR FOR 18" PORTO

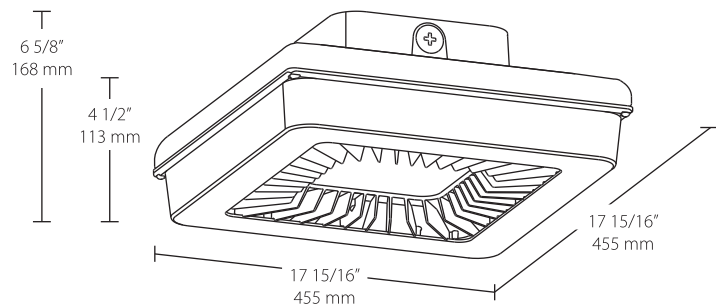


# Dimensions & weight

Weight: 10.6 lbs.



Weight: 19.6 lbs.



# Ordering information

Product Family	Wattage	Color Temperature	Finish	Driver Options	Sensor Options
PRT					
	30 30W (14" x 14")	Blank 5000K	Blank Bronze	Blank 120-277V On/Off	/WS Multi-Level Motion Sensor for 14" *
	42 42W (14" x 14")	N 4000K	W White	/480 480V On/Off	/WS2 Multi-Level Motion Sensor for 18" *
	55 55W (14" x 14")	Y 3000K		/D10 120-277V with 0-10V Dimming	/PCS 120V Swivel Photocell
	70 70W (18" x 18")			/480/D10 480V with 0-10V Dimming	/PCS2 277V Swivel Photocell
	80 80W (18" x 18")				/PCS4 480V Swivel Photocell
	105 105W (18" x 18")				

\*Only available for 120-277V with 0-10V dimming driver.





Hinged tether frees hands for easy wiring & quick installation.



One model accommodates 1/2" or 3/4" NPS pendant, or surface mount (*pendant by others*).



Delivers 20% uplight, eliminating the 'cave effect' that results when ceilings remain darkened.



### Integrated photo/motion sensor control

- High/low modes: 10V / 1V
- Time delay dims light 5 minutes after detecting motion
- Cutoff turns fixture off after 1 hour of vacancy
- Detection pattern:  
For 14" PORTO - 360° and 48' diameter at 8' mounting height  
For 18" PORTO - 360° and 40' diameter at 20' mounting height



### Adjust settings using handheld wireless configuration tool (Order using catalog #WSREM)

- High/low modes fully adjustable from 0 to 10V
- Time delay can be set to dim lights 30 seconds to 30 minutes after motion is no longer detected
- Optional cutoff delay turns fixture off after a preset period of vacancy
- Configure control settings to react to ambient light levels
- Ramp up and fade down times can be customized