

RSP-HAZ / RSP-E-HAZ Series

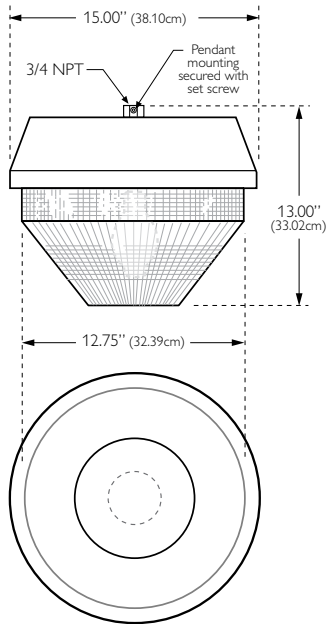
Hazardous Location Listed Round Spectra-Lyte Garage Light, 70-200 watt HID (EONS available)

Type:	Job:	Approvals:	
Catalog Number:			
PND-RC HAZ			
Series/Source-Wattage	Distribution (glass optics only)	Voltage	HAZ Listed (standard)
			Options (Factory Installed)
			Finish
			Accessories (Field Installed)
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Overall Dimensions For Reference Only

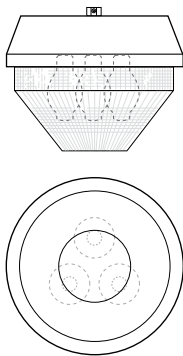
RSP-HAZ

RG (symmetric) glass refractor
single lamp optics



RSP-E-HAZ

ERG (symmetric) glass refractor
triple lamp EONS optics



Weight

30 lbs. (13.61 kgs)

Specifications

Housing / Construction

The RSP-HAZ / RSP-E-HAZ luminaire's die-cast aluminum alloy construction, finish and all exterior hardware shall ensure resistance to corrosives and contaminants such as exhaust fumes. Withstands 1300 psi high pressure hose down. Standard unit constructed to IP65.

Mounting

RSP-HAZ / RSP-E-HAZ series luminaires shall be pendant mounted to 3/4" NPT rigid conduit and secured with a set screw. Optional tamperproof screws available.

Note: Easy Hanger Plate mounting not available with Hazardous Location Listed luminaire.

Optic Assembly

Symmetric Round Glass Refractor - single lamp optic (RG) / EONS triple lamp optic (ERG): Precision molded borosilicate glass refractor. Suitable for use in 55°C (131°F) ambients. See current Philips Gardco RSP-E spec sheet WLSP0117 for EONS Extended On System details.

Lamp / Socket

Standard unit supplied with medium base ED-17 lamps. Porcelain socket with spring-pressure center contact, 4KV pulse rated. Socket shall mount directly to the upper reflector to assure proper photometric alignment.

RSP-HAZ series maximum wattage restrictions: 200 watt PSMH/MH and 150 watt HPS.

Ballast

Magnetic ballast shall be high reactance, high power factor with reliable starting at temperatures as low as -29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, and -40°C (-40°F) for High Pressure Sodium. Crest factor does not exceed 1.8. Ballast has Class H, 180°C (356°F) rated insulation system. CWA ballast available in limited wattages and voltages. Consult factory.

Finish

Textured Satin Aluminum UltraClad polyester powder coating, 2.5 mil nominal thickness, electrostatically applied and oven cured to ensure extreme durability. Other colors may be specified.

Listings

Luminaire is ETL/cETL listed to the UL standard, UL 1598, suitable for Wet Locations and 55°C (131°F) ambients.

UL 844 Hazardous Location Listed:

- Class I, Division 2, Groups A, B, C, D;
- Class II, Division 2, Groups F and G; and
- Class III.

Note: Suitability for Use is the Determination of the Specifier.

The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

Warranty

5 year limited warranty. See philips.com/warranties for complete details and exclusions.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contain Mercury" and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

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RSP-HAZ

'PNDRC' standard pendant mount secured with set screw

'RG' glass refractor with symmetric distribution

'HAZ' hazardous location listed to UL 844



Note:

RSP-E-HAZ unit utilizes the triple lamp ERG optic.

EONS Extended On System technology provides significant maintenance cost savings and triple the lamp life with faster restrike times.

Temperature Chart

Lamp		Class I, Div. 2 Operating Temperature Code and / or Temperature (deg. C) Marking		
Type	Maximum Wattage	Ambient	Supply Wire Temperature	Operating Temperature Code or Temperature (deg. C)
Metal Halide and Pulse Start Metal Halide	200	55°C	125°C	T1 (450°C)
High Pressure Sodium	150	55°C	125°C	T2A (280°C)

Series / Source - Wattage	Distribution (optics)	Voltage	Mounting	HAZ Listing
Metal Halide <input type="checkbox"/> RSPM-100 Pulse Start Metal Halide <input type="checkbox"/> RSP-70 <input type="checkbox"/> RSP-100 <input type="checkbox"/> RSP-150 <input type="checkbox"/> RSP-175 <input type="checkbox"/> RSP-200 High Pressure Sodium <input type="checkbox"/> RSPS-70 <input type="checkbox"/> RSPS-100 <input type="checkbox"/> RSPS-150	<input type="checkbox"/> RG Glass Refractor (Symmetric) Borosilicate glass lens. Ambient temperature restrictions apply. Single lamp optic <input type="checkbox"/> ERG Glass Refractor (Symmetric) Borosilicate glass lens. Ambient temperature restrictions apply. EONS Extended On System Triple lamp optic	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480 <input type="checkbox"/> QV Quad voltage ballast. Allows field selection of 120/208/240/277 voltage.	<input checked="" type="checkbox"/> PND-RC Pendant Mount to Rigid Conduit lengths up to 12" (standard)	<input checked="" type="checkbox"/> HAZ Hazardous location listing UL 844 (standard)



Options (factory installed)	Finish
<input type="checkbox"/> 24LDS Extra long 24" leads (RSP-HAZ unit's standard lead length permits mounting to rigid pendant lengths up to 12" only) <input type="checkbox"/> F1 Single Fuse (120/277V) Specify voltage with QV units. <input type="checkbox"/> F2 Double Fuse (208/240/480V) Specify voltage with QV units. <input type="checkbox"/> NLMP No Lamp <input type="checkbox"/> 50HZ 50 Hz ballast <input type="checkbox"/> CWA Low wattage CWA ballast <input type="checkbox"/> TS Tamper Resistant Screws	<input type="checkbox"/> TSA Textured Satin Aluminum <input type="checkbox"/> TDB Textured Dark Bronze <input type="checkbox"/> TBK Textured Black <input type="checkbox"/> TWHT Textured White <input type="checkbox"/> TGR Textured Gray <input type="checkbox"/> TGN Textured Green <input type="checkbox"/> RAL(*) Specify Custom RAL color number

Accessories (must be ordered separately)
<input type="checkbox"/> F1-KIT Single fuse kit (120/277V) <input type="checkbox"/> F2-KIT Double fuse kit (208/240/480V)

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Distribution Guide & Ballast Data ⁽¹⁾

(optional low wattage CWA or electronic ballast data shown in italic)

Source Type ⁽²⁾	Catalog Number - Optic (RG)	Lamp Envelope	SP/MH	ies File Name	Ballast Type ⁽³⁾	ANSI Code	Line Current ⁽⁴⁾ 120 / 208 / 240 / 277 / 480	Line Watts	LER ⁽⁵⁾
MH	RSPM-100-HAZ-RG	ED17	5	rspm10ries	HX-HPF <i>optional CWA</i>	M90 / M140 <i>M90 / M140</i>	2.8 / 1.5 / 1.4 / 1.2 / 0.6 <i>1.1 / NA / NA / 0.5 / NA</i>	130 <i>128</i>	57.8
PS	RSPP-70-HAZ-RG	ED17	5	rspp70ries	HX-HPF <i>optional CWA</i>	M98 / M143 <i>M98 / M143</i>	1.9 / 1.0 / 0.9 / 0.8 / 0.5 <i>0.7 / 0.4 / 0.3 / 0.3 / NA</i>	95 <i>78</i>	49.0
	RSPP-100-HAZ-RG	ED17	5	rspp10ries	HX-HPF <i>optional CWA</i>	M90 / M140 <i>M90 / M140</i>	2.8 / 1.4 / 1.4 / 1.3 / 0.6 <i>1.1 / NA / NA / 0.5 / NA</i>	130 <i>128</i>	57.5
	RSPP-150-HAZ-RG	ED17	5	rspp15ries	HX-HPF <i>optional CWA</i>	M102 / M142 <i>M102 / M142</i>	3.7 / 2.1 / 1.8 / 1.6 / 1.0 <i>1.7 / NA / NA / 0.8 / NA</i>	185 <i>189</i>	62.9
	RSPP-175-HAZ-RG	ED17	5	rspp17ries	CWA	M137 / M152	2.0 / 1.1 / 0.9 / 0.8 / 0.5	220	66.1
	RSPP-200-HAZ-RG	ED17	5	rspp20ries	CWA	M136	2.2 / 1.3 / 1.1 / 1.0 / 0.5	232	75.2
HPS	RSPS-70-HAZ-RG	ED17	5	rsps70ries	HX-HPF <i>optional CWA</i>	S62 <i>S62</i>	1.7 / 1.0 / 0.9 / 0.8 / 0.6 <i>0.9 / NA / NA / 0.4 / NA</i>	94 <i>95</i>	56.6
	RSPS-100-HAZ-RG	ED17	5	rsps10ries	HX-HPF <i>optional CWA</i>	S54 <i>S54</i>	2.3 / 1.4 / 1.1 / 1.0 / 0.8 <i>1.1 / NA / NA / 0.5 / NA</i>	130 <i>138</i>	60.7
	RSPS-150-HAZ-RG	ED17	5	rsps15ries	HX-HPF <i>optional CWA</i>	S55 <i>S55</i>	3.2 / 1.7 / 1.6 / 1.4 / 0.7 <i>1.7 / NA / 0.9 / 0.7 / 0.5</i>	195 <i>190</i>	68.2

1) The RSP-HAZ Series accommodates a variety of other wattages and lamps. Consult factory. See RSP-E spec sheet for ERG optic requirements.

2) MH = Metal Halide, PS = Pulse Start Metal Halide, HPS = High Pressure Sodium. Clear lamps recommended.

3) CWA = Constant Wattage Autotransformer; HX-HPF = High Reactance High Power Factor.

4) 208V, 240V, 480V and QV units available. Consult factory to confirm availability and line current information.

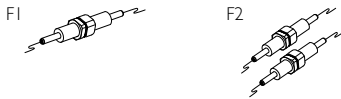
5) LER = Luminaire Efficacy Rating. RSP-RG photometric efficiency: 83.1%. Calculated in accordance with NEMA Standard LE-5B for standard ballast. For PSMH 70-150W LER values with optional CWA ballast, consult factory.

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Option details (Factory Installed)

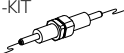

24LDS	Pendant mount (PND-RC) RSP-HAZ luminaire supplied with longer leads. (RSP-HAZ unit's standard lead length permits mounting to rigid pendant lengths up to 12" only.)	For external wiring to ceiling mounted junction box (by others) at heights requiring rigid pendant lengths greater than 12". Standard supply wiring connection is made inside fixture and requires removal of lens and reflector pan. Junction box by others.		
F1	Single fuse (120V / 277V)	1 KTK 30 amp fuse mounted internally on the ballast plate.		
F2	Double fuse (208V / 240V / 480V)	2 KTK 30 amp fuses mounted internally on the ballast plate.		
<i>Note: Fusing options require that voltage must be specified with QV ballasts.</i>				
NLMP	No lamp	Specified if lamps are to be provided by others.		
CWA	Low wattage CWA ballast	Provides improved voltage regulation and reduces current draw. Available for 70W, 100W and 150W HID only.		
50HZ	50 Hz ballast operation	Specified for applications (outside the United States) where 50 Hertz operation is standard.		
TS	Tamper resistant screws	Provides an additional level of security by inhibiting unauthorized access.		

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Accessory details (Field Installed - Shipped Separately)

F1-KIT	Single fuse kit (120V / 277V) <i>Note: Voltage must be specified.</i>	1 KTK 30 amp fuse and fuse holder for field installation	F1-KIT 
F2-KIT	Double fuse kit (208V / 240V / 480V) <i>Note: Voltage must be specified.</i>	2 KTK 30 amp fuses and fuse holder for field installation	F2-KIT 

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Notes



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