

# RAVEN SMALL RCS SERIES

Cat. #		Approvals
Job	Type	

**SPAULDING  
LIGHTING**

### INTENDED USES

- Provides a superior lighting solution for a wide array of area/site lighting applications

### CONSTRUCTION

- Lightweight, rugged, one piece die formed and welded low copper aluminum rectilinear housing. Pre-drilled for mounting. Continuous corner welds for seamless one piece enclosure
- Optional decorative embossed band and reveal colors available

### DOOR/LENS ASSEMBLY

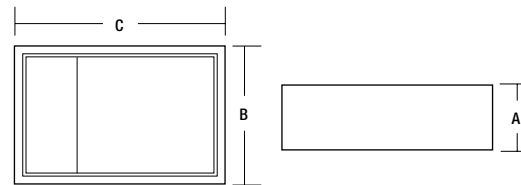
- Door assembly recessed completely within luminaire creating evenly spaced reveal and floating door appearance
- Corrosion resistant extruded and anodized aluminum door frame has 45 degree mitre cut corners with internal corner key brackets for rigid support and die-cast zinc latches for tool free entry
- Door assembly hinges forward (toward pole) and backwards (away from pole) and remains captive to the luminaire housing when only two latches are released. Complete removal of door is achievable without tools.
- Extruded silicone gasket positively seals around tempered glass lens to doorframe and doorframe to housing ensuring a containment free environment. Tempered glass lens includes internal coating of temperature resistant black silk screening to hide electrical compartment

### MOUNTING

- Housing attaches to all mounting via two 1/2" diameter bolts/rods. Mounting options include rigid arm assemblies, knuckled arm assemblies for flat surfaces, knuckled arm assemblies for 2-3/8" OD tenon, wall bracket adapter and round pole adapters ensuring maximum luminaire versatility. All mounting accessories provided with gasket between the housing and accessory

### OPTICS

- Rotatable hydroformed and high performance segmented reflectors available in IES type II, III, IV and V distributions. H2/H3/H5 (hydroformed), H2P (multifaceted hydroformed), H3P/H4P/H5P (segmented)
- Optional factory or field installed internal house side shield available with H2, H3, H2P, H3P and H4
- Factory installed internal house side shield included with H4P reflector assembly
- Mogul porcelain socket, pulse rated, with spring loaded, nickel-plated center contact and reinforced lamp grip screw shell. Medium base socket for ED17 lamp



	A	B	C	EPA	Weight
<b>RCS</b>	8.5"	16.25"	23.5"	1.7 FT. <sup>2</sup>	42 LBS
	203 mm	413 mm	591 mm	0.2 m <sup>2</sup>	19.1 kg

NOTE: EPA and weight values do not include mounting arm.  
Four inch arm adds 0.2 ft<sup>2</sup> EPA. Ten inch arm adds 0.4 ft<sup>2</sup> EPA.

### ELECTRICAL

- 200w-400w CWA type HPF ballast starting rating at -20 deg F (-40 deg F for HPS)
- 150w and below HPF LAG type ballast starting at -20° F (-40° F for HPS)
- Optional removable Powr-Panl<sup>®</sup> with quick disconnect available for tool-less removal of ballast assembly

### FINISH

- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness. Prior to painting, all luminaires and mounting accessories are thoroughly cleaned with acid and alkaline

### LISTINGS/CERTIFICATIONS

- Listed to UL1598 for use in wet locations.
- Approved by the International DarkSky Association



## ORDERING INFORMATION

ORDERING EXAMPLE: RCS-A4-P40-H3-F-Q-DB-L

SERIES	SOURCE/WATTAGE	LAMP ORIENT./DISTR.	LENS	COLOR	OPTIONS
<b>RCS</b> Raven Small (100-400w)	<b>PULSE START METAL HALIDE</b> P10 100w (ED-17) P12 125w (ED-17) P15 150w (ED-28) P20 200w (T-15) P25 <sup>5</sup> 250w (ED-28) P32 320w (ED-28) P35 350w (ED-28) P40 <sup>5</sup> 400w (ED-28)	H2 Horiz. II (hydroformed) H2P Horiz. II High Performance Series (multi-faceted hydroformed) H3 Horiz. III (hydroformed) H3P Horiz. III High Performance Series (segmented) H4 Horiz. IV (multi-piece) H4P Horiz. IV High Performance Series(segmented) with integrated house-side shield H5 Horiz. V (hydroformed) H5P Horiz. V High Performance Series (segmented)	F Flat	DB Dark Bronze BL Black WH White GR Gray PS Platinum Silver RD Red (premium color) FG Forest Green (premium color) CC Custom Color (consult factory)	W(X) Wiring prep (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347) RPA2 Round pole adapter (2 3/4-3 1/8") RPA3 Round pole adapter (3 1/4-3 3/4") RPA4 Round pole adapter (3 7/8-4 1/2") RPA5 Round pole adapter (5") RPA6 Round pole adapter (6") F(X) Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347) P(X) Photobutton (replace X with voltage: 1-120, 2-208, 3-240, 4-277) PR(X) Photo cell receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347) QZ Quartz RS with lamp HS <sup>4</sup> Internal house-side shield (Except type V distribution) VG Polycarbonate vandal guard RP Power Panel R(XX) Reveal (EB option must be chosen also); Replace XX with color
<b>MOUNT</b>	<b>HIGH PRESSURE SODIUM</b> S10 100w (ED-23 1/2) S15 150w (ED-23 1/2) S25 250w (ED-18) S40 400w (ED-18)				
A4 Arm mount (includes 4" rigid arm) A10 <sup>2</sup> Arm mount (includes 10" rigid arm) WB <sup>3</sup> Wall bracket (arm not required nor included) WBA4 Wall bracket with 4" rigid arm WBA10 Wall bracket with 10" rigid arm 0 No arm or wall bracket (only order without arm or wall bracket when they are ordered as an accessory)					
<b>EASY ORDER FIXTURE AND POLE COMBINATIONS</b>					
Catalog Number	Description				
RSPC-1-P25-H3-20	20ft, 250w PSMH, Type III				
RSPC-1-P40-H3-20	20ft, 400w PSMH, Type III				
RSPC-1-P40-H3-25	25ft, 400w PSMH, Type III				
RSPC-1-P40-H4-20	20ft, 400w PSMH, Type IV				
Twin Configurations					
RSPC-2-P25-H3-20	20ft, 250w PSMH, Type III				
RSPC-2-P40-H3-20	20ft, 400w PSMH, Type III				
RSPC-2-P40-H3-25	25ft, 400w PSMH, Type III				

VOLTAGE	
Q <sup>1</sup>	Quad-Tap <sup>®</sup> 120/208/240/277V
5	480V
T <sup>1</sup>	Tri-Tap <sup>®</sup> 120/277/347V
E	50Hz, 220/240V (250 & 400w PSMH & HPS only)
V <sup>1.5</sup>	Five-tap 120/208/240/277/480V
0	No ballast

- 1 Factory wired for highest voltage unless specified
- 2 Required for 90° configurations
- 3 FDMHL direct mount hardware kit required
- 4 Not needed with H4P optics
- 5 Five-tap ballast available with 250w & 400w PSMH only

## ORDERING INFORMATION

### ACCESSORIES - RCS

(Must be ordered separately. For field installation.)

Catalog Number	Description
<b>RCS-HS-23</b>	Internal Lamp Shielding (RCS - H2 & H3 distributions)
<b>RCS-HS-2P</b>	Internal Lamp Shielding (RCS - H2P distributions)
<b>RCS-HS-4</b>	Internal Lamp Shielding (RCS - H4 distribution)
<b>RCS-PVG</b>	1/8" Polycarbonate Vandal Guard suspended 3" below door frame
<b>RCS-HS-3P</b>	Internal Lamp Shielding (RCS - H3P distributions)

### PHOTOCONTROL EQUIPMENT

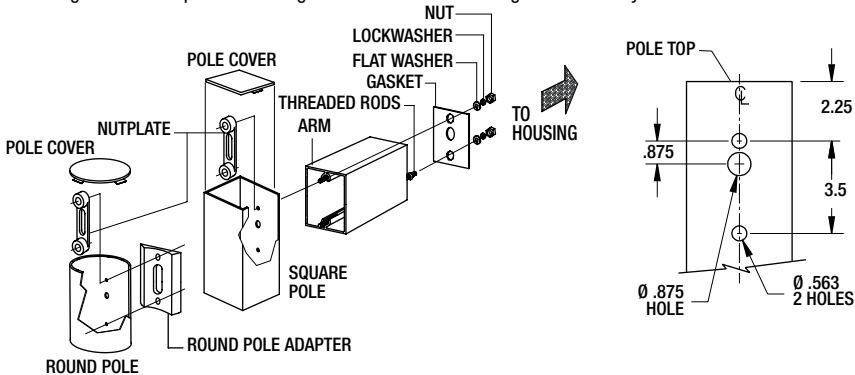
Catalog Number	Description
<b>PTL-1</b>	Photocontrol - Twist-Lock® Cell (120V)
<b>PTL-8</b>	Photocontrol - Twist-Lock® Cell (120-277V)
<b>PTL-5</b>	Photocontrol - Twist-Lock® Cell (480V)
<b>PTL-6</b>	Photocontrol - Twist-Lock® Cell (347V)
<b>PSC</b>	Shorting Cap - Twist-Lock®

## SPECIFICATIONS

**HOUSING** Die formed rectilinear housing has continuous corner welds creating a seamless one-piece enclosure. Housing constructed from heavy gauge low copper aluminum alloy. Door assembly recesses completely within luminaire housing creating evenly spaced reveal and floating door appearance.

**DOOR/LENS** Extruded aluminum doorframe has 45° miter cut corners with internal corner key brackets for rigid support. Anodized finish with natural aluminum color. Tool-free entry design provided from corrosion resistant, spring loaded die cast zinc thumb latches (one per corner). Door assembly hinges forward (toward pole) and backwards (away from pole) and remains captive to the luminaire housing when only two latches are released. Complete removal of door is achievable without tools. Extruded silicone gasket profile positively seals tempered glass lens to doorframe and doorframe to luminaire housing ensuring a contaminant free environment. Tempered flat glass lens includes internal coating of temperature resistant black silk-screening to hide electrical compartment.

**MOUNT** The luminaire housing attaches to all mounting hardware via two 1/2" diameter bolts/rods. Mounting options include rigid arm assemblies, knuckled arm assemblies for flat surfaces, knuckled arm assemblies for 2 3/8" OD tenon, wall bracket adapter, and round pole adapters ensuring maximum luminaire versatility. All mounting accessories provided with gasket between the housing and accessory.



Due to our continued efforts to improve our products, product specifications are subject to change without notice.

### ADDITIONAL ACCESSORIES

Catalog #	Description
<b>F-RPA2-XX<sup>1,2</sup></b>	Round Pole Adapter (2 3/4 - 3 1/8")
<b>F-RPA3-XX<sup>1,2</sup></b>	Round Pole Adapter (3 1/4 - 3 3/4")
<b>F-RPA4-XX<sup>1,2</sup></b>	Round Pole Adapter (3 7/8 - 4 1/2")
<b>F-RPA5-XX<sup>1,2</sup></b>	Round Pole Adapter (5")
<b>F-RPA6-XX<sup>1,2</sup></b>	Round Pole Adapter (6")
<b>WB-CR-XX<sup>1</sup></b>	Wall Bracket
<b>ARM-F-K-TA-XX<sup>1</sup></b>	Tenon Arm (single) adjustable (2 3/8" O.D. tenon)
<b>ARM-F-TK-TA-XX<sup>1</sup></b>	Tenon Arm (double 180°) adjustable (2 3/8" O.D. tenon)
<b>ARM-F-K-S-XX<sup>1,2</sup></b>	Adjustable Arm
<b>ARM-F-4-S-XX<sup>1,2</sup></b>	4" Rigid Straight Arm
<b>ARM-F-10-S-XX<sup>1,2</sup></b>	10" Rigid Straight Arm
<b>F-DMLH</b>	Direct mount hardware kit
<b>TPLB-XX</b>	Twin parallel luminaire bracket.

<sup>1</sup> Replace **XX** with color choice, eg.: **DB** for Dark Bronze.

<sup>2</sup> When ordering poles, specify Pole Drill Pattern #2.

### TENON TOP POLE BRACKET ACCESSORIES (2 3/8" OD tenon)

(RSS version requires 4" round pole adapter)

Catalog #	Description
<b>SETA-XX<sup>1,2</sup></b>	Square Pole Tenon Adapter (4 at 90 degrees)
<b>RETA-XX<sup>1,2</sup></b>	Round Pole Tenon Adapter - 4" (4 at 90 degrees)
<b>TETA-XX<sup>1,2</sup></b>	Triangular Pole Tenon Adapter - 4" (3 at 120 degrees)

<sup>1</sup> Replace **XX** with color choice, eg.: **DB** for Dark Bronze.

<sup>2</sup> Accommodates #2 drill pattern.

**OPTICS** Multiple levels of photometric performance to be achieved via tiered optic offering ranging from fully segmented to hydroformed reflectors. All optical assemblies to field rotate in 90° increments. All distributions to be IES - Full Cutoff classified. Internal house side shielding to be available on Type II, III, and IV distributions and should be factory or field installable.

**ELECTRICAL** Available HID wattage range of 100 to 400 watts from Pulse Start Metal Halide and High Pressure Sodium sources. Optional removable Powr-PanLR provided with quick connects on both ballast and socket leads. Additional options include fusing, photocell cell control, and quartz restrike lamp.

**FINISH** TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness. Prior to painting, all luminaires and mounting accessories are thoroughly cleaned with acid and alkaline cleaners followed by the application of a chromate conversion coating.

**LISTINGS/CERTIFICATION** Listed to UL1598 for use in wet locations.

**SPAULDING**  
LIGHTING

Spaulding Lighting • 701 Millennium Drive • Greenville, SC 29607 • PHONE: 864-678-1000

For more information visit our web site: [www.spauldinglighting.com](http://www.spauldinglighting.com)