

# EXECUTIVE-SQR



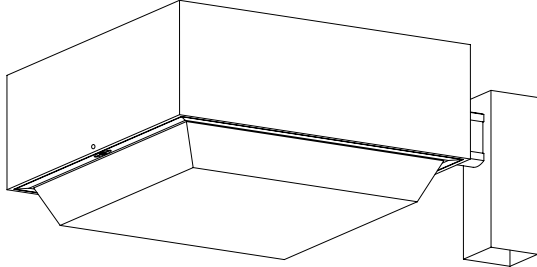
Job Name: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Job Number: \_\_\_\_\_

Distributor: \_\_\_\_\_

Distributor P.O.: \_\_\_\_\_



## EXEC - SQR25 SPEC SHEET

Dimensions 25" x 25" x 11.75"

Arm: 2" x 4" x 8"

Tie-Rod Spacing: 3" (9/16" dia. holes)

Weight: 67 lbs

EPA: 2.7 (10 - single)

5 4 (28 - 2@180) (29 - 2@90)

8 1 (39 - 3@90) (32 - 3@120)

10 8 (49 - 4@90)

### ORDERING SEQUENCE

HOUSING	STYLE/ SIZE	LAMP WATTAGE	REFLECTOR	VOLTAGE	BALLAST	MOUNTING	SHIELD OPTIONS	GENERAL OPTIONS	HOUSING FINISH	EXI FINISH (if req'd)	POLE SECTIONS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
EXEC	SQR25	175PMH (ED28) 250PMH (ED28)  350PMH (ED28) 400PMH (ED28)  150HPS (ED23.5) 250HPS (ED28) 400HPS (ED28)	2H 3H	120 208 240 277 347 480	C	10  28  29	32 <sup>1</sup>  39  49	HS N  WM VF HF PRL PRP QTZ <sup>2</sup> FL EXI <sup>3</sup> N	Powder BK BZ WH AL	Anodized LBZ MBZ DBZ ABK AAL	STR Square Straight C30 3.0" dia Round C35 3.5" dia Round C40 4.0" dia Round C45 4.5" dia Round C50 5.0" dia Round C60 6.0" dia Round
											NS

Note: First digit denotes fixture quantity per assembly

### REFLECTOR

- (2H) Type-II Hydro
- (3H) Type-III Hydro

### SHIELD OPTION

- (HS) House Side Shield
- (NR) Not Required

### GENERAL OPTIONS

- WM Wall Mount  
E.P.D.M. gasket  
1/2" 14 NPT (supplied w/ plugs)  
(7.69"H x 5.62"W x 1.75"T)
- HF Horizontal Slip Fitter  
(2-3/8" O.D. tenon)  
3"  
Fits 2" O.D. pipe
- VF Vertical Slip Fitter  
(2 875" O.D. and 9.88"H)  
(mounts to 2.38" O.D. tenon or pipe)  
thru bolt use optional  
(4) 5/16" 18 SST  
lock head set screws
- QTZ Quartz Restrike<sup>2</sup>
- FL Fuse Luminaire
- EXI Extruded Arm Insert<sup>3</sup>
- N Not Required

### FINISH OPTION

- Powder**
- BK Black
- BZ Dark Bronze
- WH White
- AL Natural Aluminum
- NS Not-Standard Finish  
(provide color chip)
- Anodized**
- LBZ Light Bronze
- MBZ Medium Bronze
- DBZ Dark Bronze
- ABK Black
- AAL Natural Aluminum

Note: 1) '32' mounting (3@120) only available with round pole or modified pole top fitter  
2) The 'QTZ' quartz restrike option will have a 2-minute delay, and is only available in 150W with DCBAYONET  
3) If the color for the 'EXI' extruded arm insert is not specified, insert will be brushed aluminum



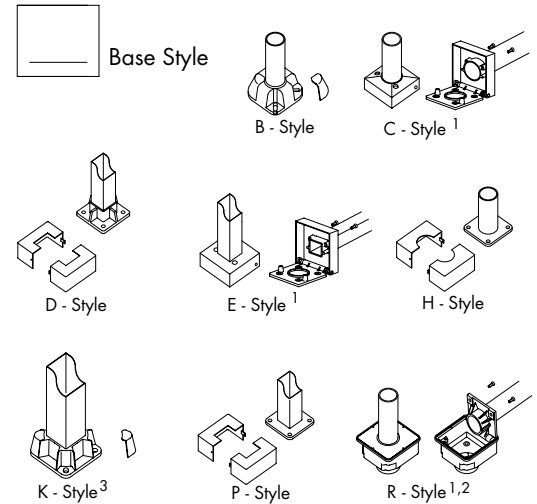
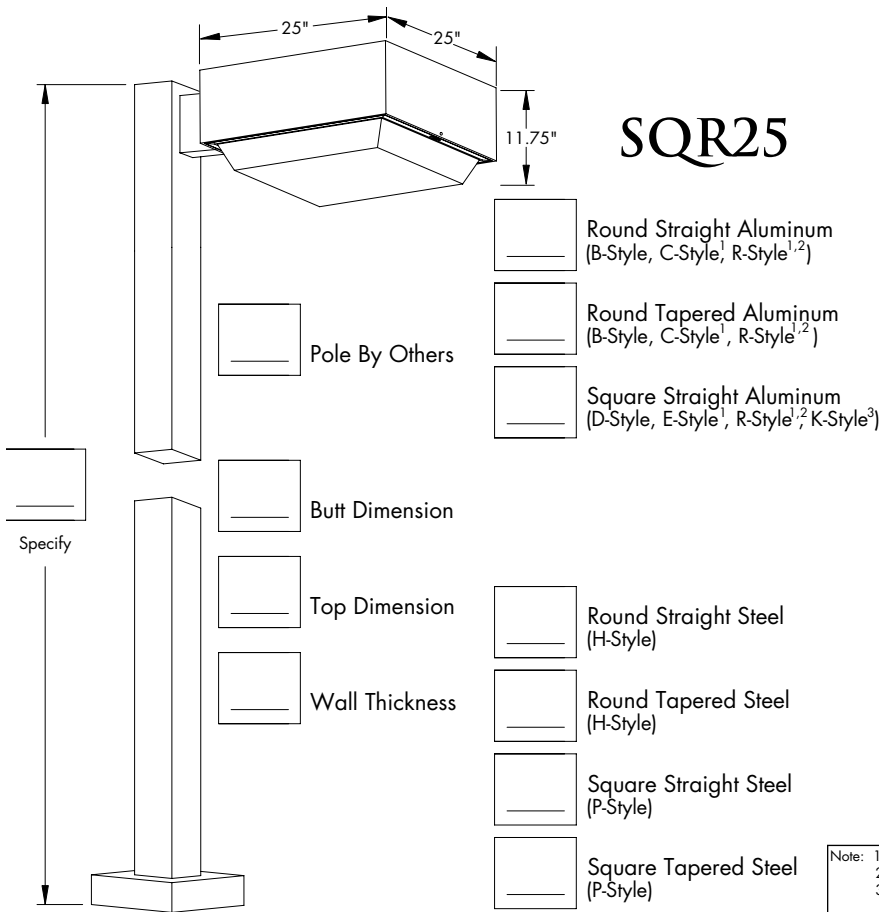
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In the interest of continuous product improvement Stern Lighting reserves the right to change specifications without notice.



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## DIMENSIONS POLE, AND BASE DETAILS



Note: 1) C, E, & R-Style bases are 20' max for straight & tapered aluminum poles.  
 2) Contact factory for R-Style base availability  
 3) K-Style base only available for 30' SSA poles.

## SPECIFICATIONS

### Housing

The luminaire housing shall be mitre-formed construction from a single piece of aluminum extrusion, with only a single seam located on the back of the box where the arm detail is located. The sidewall extrusion shall incorporate an integral structural rib for additional strength and support that runs the full perimeter of the housing. The luminaire canopy shall be of aluminum sheet that is peaked and crimped directly into a specially designed upper lip of the sidewall extrusion. This lip shall be lined with an Isocryl gasket prior to the crimping process to form a fully sealed canopy without the use of silicone or welds.

### Door Frame & Refractor Lens Assembly

Door frame shall be mitre-cut construction from a single piece of aluminum extrusion and mechanically fastened with no welds. The entire frame assembly is to always be fully anodized in a natural finish. An extruded silicone gasket shall run the entire perimeter of the frame to form a compression seal directly to the housing when shut to create a fully sealed optical chamber. A UV inhibited acrylic refractor is set mechanically into the door frame. The entire perimeter of the refractor is surrounded by a one-piece E.P.D.M. gasket that seals directly to the frame and to the refractor assembly to prevent intrusion by moisture, dust, and other contaminants. Door shall open by a tool-less push-button in the front of the housing, and shall hinge on aluminum door pins that slide along the housing sidewall. Door shall be self-retained, and catches with a spring-loaded safety latch to prevent accidental dropping before the door hinges completely open. The entire door frame assembly can then be removed without tools by sliding and lifting the assembly from the center of the housing.

### Arm Assembly

Single piece extruded aluminum arm is standard, with an optional aluminum decorative insert (color/finish to be specified). The arm is fastened to the pole via (2) non-slip tie-rod channels serving " zinc-plated steel tie-rods and lock nuts in tension between the pole and luminaire.

### EXEC-SQR Optical Systems

Reflectors '2H' & '3H' are precision hydroformed aluminum, chemically brightened, and are anodized to a semi-specular finish. These reflectors are used in combination with a true optical clear injection molded acrylic refractor with UV inhibitor. All wire way or socket entrances are gasketed and sealed with a silicone grommet to form a fully sealed optical chamber when the hydroformed reflector seals directly to the refractive lens on the door. Both reflector systems hinge directly on the door and are latched shut in compression via a tool-less clamping wire-form system. Reflectors can also be removed without tools for easy cleaning or re-lamping when required.

### Electrical

All electrical components are cULus recognized, factory tested, and mounted to a galvanized steel ballast tray that sits directly onto the reflector platen which mounts directly to the door assembly. The ballast tray is fastened to the reflector platen via a single thumbscrew and slide-catch for tool-less removal. Each high power factor ballast is capable of starting temperatures down to -20 (-28.9 ° C). The 600-volt insulated wiring shall be installed between socket and ballast components via electrical quick disconnects. A Sterner designed Primary Electrical Disconnect system (male/female plug system) is mounted to the ballast tray and housing respectively. The primary electrical circuit shall be disconnected as soon as the door drops in the open position, thus eliminating any exposed live electrical connections and possible shock hazard during service. The entire fixture is cULus listed for wet locations use.

### Finish

Finished parts shall be washed in a multi-stage phosphate processing system and then finished with a standard polyester urethane powder coat paint. The door frame assembly shall always be anodized in a natural finish. Optional anodized finishes are available and shall use an electrolytic process to oxidize and colorize the aluminum for a finish that is extremely resistant to flaking, fading, and corrosive environments. Standard powder colors are dark bronze, black, white, and natural aluminum. Standard anodized colors are bronze (light, medium, & dark), black, and natural aluminum. Custom powder, anodized, and wet finishes are available (contact factory for availability).