

AF5

TECHNICAL LIGHTING SOLUTIONS





INTERNATIONAL REACH

Founded in 1907 in Belgium, Schröder designs, develops and manufactures high quality outdoor lighting equipment for architectural, tunnel, transit, roadway and floodlighting applications. Today, the Schröder Group employs 2500 people in more than 44 companies from 38 countries, worldwide. A key element of the Group's strategy is local as well as worldwide product development to serve the needs of our customers. You can be assured products specified for any Schröder market will conform to the local codes and technical requirements.

THE RIGHT LIGHT

Schröder luminaires deliver "The Right Light" for each application. The use of the most advanced light sources (including LEDs and the Philips® CosmoPolis® system), optimized in innovative high performance optical systems, delivers the right amount of light while using less energy. High quality materials, optimized thermal design, and patented Sealsafe® technologies make it possible to maintain photometric performance throughout the entire life of the luminaire. Schröder also offers Owlet™, a wireless control system for monitoring, controlling, metering and managing street and area lighting.

LOCALLY MADE IN THE USA

In order to better serve the needs of the North American market, Schröder operates a modern manufacturing facility in Addison, Illinois. Local production allows us to be responsive to customer construction schedules, while still offering modifications, custom colors and quick shipment programs for many products. Our engineering and production support team ensures everything we produce meets Schröder's world class standards for quality and performance.



Schröder

FEATURES AND BENEFITS

The AF5 is designed for an easy, trouble free installation and a long service life. A wide choice of reflectors, using the same housing, simplifies installation and ownership. Standard and custom mounting systems are tailored to your specific project requirements.

Perimeter sealed tempered glass

Silicone gasketed enclosure ensures a IP 66 rating to keep out moisture and dust for reduced maintenance

High efficiency reflectors

Modular ballast tray pull outs for access

Tool-less access to the interior





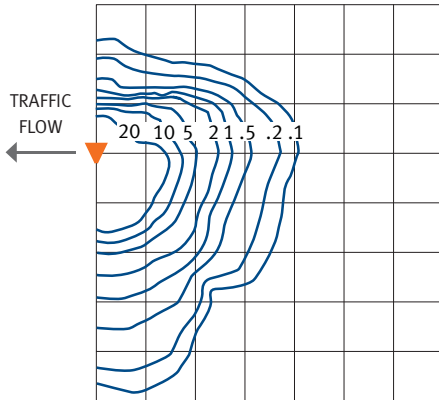
SYMMETRIC REFLECTOR DOOR



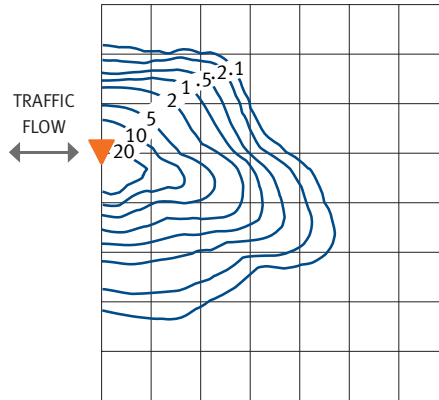
ASYMMETRIC REFLECTOR DOOR

Each square equals 10 feet. Values based on a 10 foot mounting height

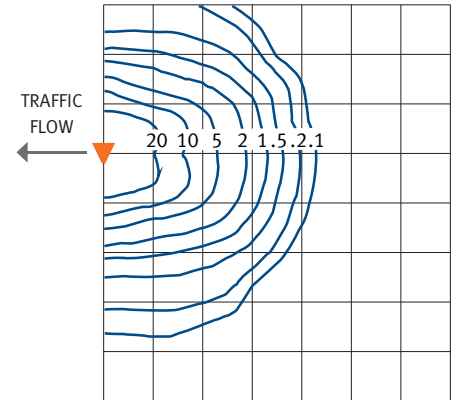
Optic type: MH-T2-315 Reflector: 1552
 IES Classification: type 2, full cutoff
 Lamp type: Metal Halide CDM-TMW 315 watt



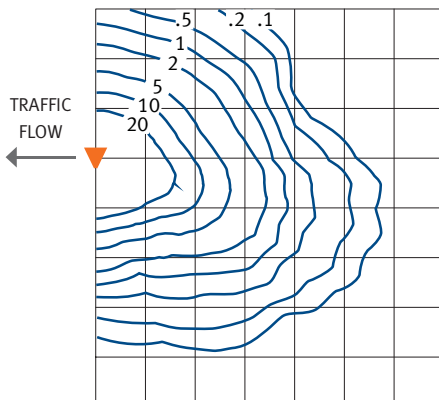
Optic type: CPO-T2-140 Reflector: 1922
 IES Classification: type 2, full cutoff
 Lamp type: Philips Cosmopolis CPO-T 140 W



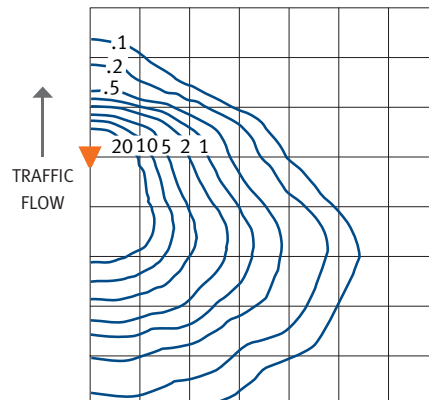
Optic type: SYM Reflector: 1400
 IES Classification: type 2, full cutoff
 Lamp type: HPS ET18 250 watt



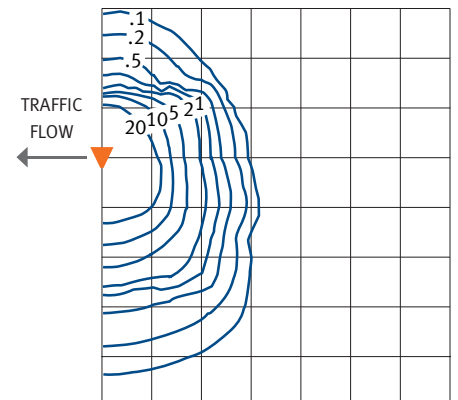
Optic type: SYM -T2 - 310771
 IES Classification: type 2, full cutoff
 Lamp type: HPS ET18 400 watt



Optic type: CBL Reflector: 1587
 IES Classification: type 4, full cutoff
 Lamp type: HPS ET18 400 watt



Optic type: ASYM Reflector: 1596
 IES Classification: type 1, cutoff
 Lamp type: HPS ET18 400 watt



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OPTIC TYPE 1	LAMP TYPE 2	ORIENTATION 3	VOLTAGE 4	COLOR 5	OPTIONS 6	BRACKET 7
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Optic orientation corresponds to the position of the socket as shown on the line drawing on page 6.

OPTIC TYPE		ORIENTATION				LAMP TYPE	OPTIC TYPE + LAMP		ORIENTATION				
		0	90	180	270				0	90	180	270	
CBL Counter beam distribution #1587 Reflector		●		●		HPS ED23.5 High Pressure Sodium Lamp Mogul base socket, E39	MH-T2-210 Symmetrical Type 2, #1552 Reflector, 210 watt Metal Halide lamp with electronic ballast		●	●	●	●	
						HPS ED23.5 - 70 70W high pressure sodium							
						HPS ED23.5 - 100 100W high pressure sodium			●	●	●	●	
						HPS ED23.5 - 150 150W high pressure sodium				●	●	●	●
						HPS ET18 High Pressure Sodium Lamp Mogul base socket, E39							
						HPS ET18 - 250 250W high pressure sodium				●	●	●	●
						HPS ET18 - 400 400W high pressure sodium				●	●	●	●
ASYM Asymmetrical #1596 reflector		●		●		MH-T2-315 Symmetrical Type 2, #1552 Reflector, 315 watt Metal Halide lamp with electronic ballast		●	●	●	●		
SYM Symmetrical Type 2 #1400 reflector		●	●	●	●	CPO-T2-60 Symmetrical Type 2, #1922 Reflector, 60 watt Philips Cosmo- Polis lamp with electronic ballast							
SYM - T2-310771 Symmetrical Type 2 #1697 reflector, use IES file 310771.ies		●	●	●	●	CPO-T2-90 Symmetrical Type 2, #1922 Reflector, 90 watt Philips Cosmo- Polis lamp with electronic ballast		●	●	●	●		
SYM - T2-310772 Symmetrical Type 2 #1697 reflector, use IES file 310772.ies		●	●	●	●	CPO-T2-140 Symmetrical Type 2, #1922 Reflector, 140 watt Philips Cosmo-Polis lamp with electronic ballast		●	●	●	●		
SYM - T1-310773 Symmetrical Type 1 #1697 reflector, use IES file 310773.ies		●	●	●	●								
SYM - T1-310774 Symmetrical Type 1 #1697 reflector, use IES file 310774.ies		●	●	●	●								

VOLTAGE
120
208
240
277
347
480

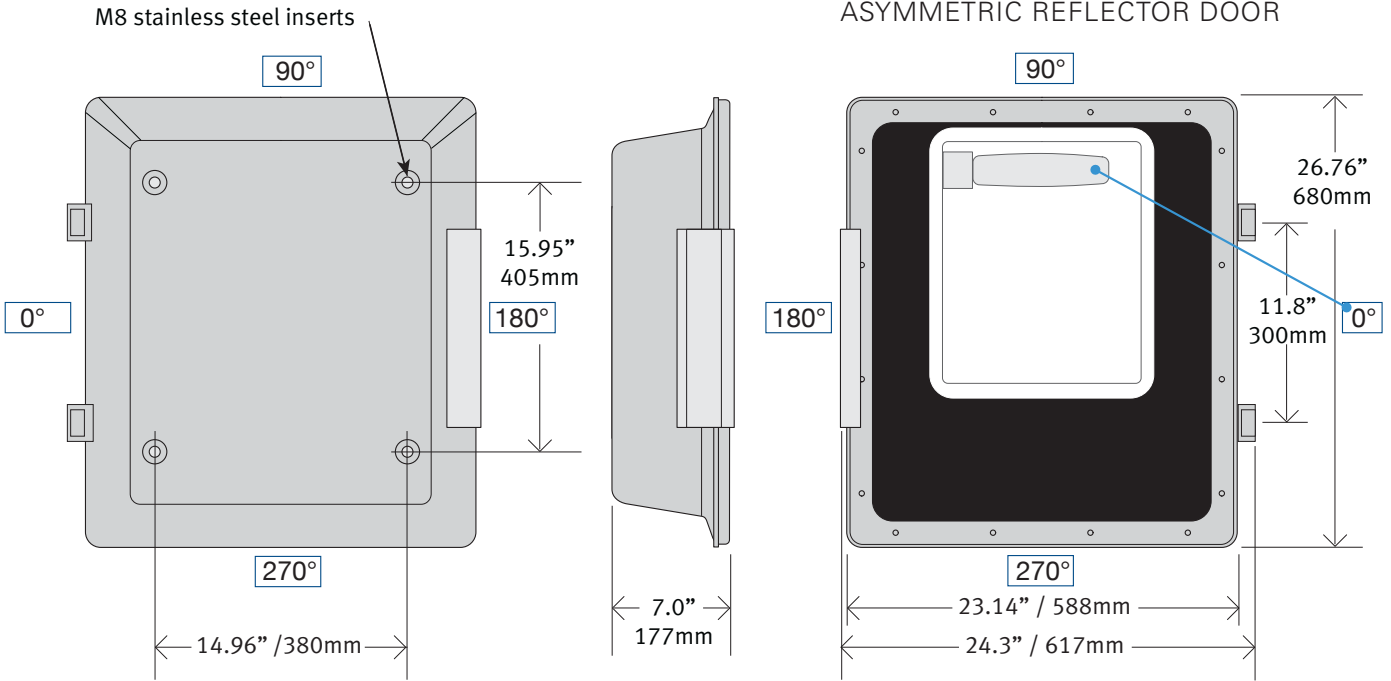
COLOR
RAL 9011-S Smooth Black
RAL 9007-S Smooth Gray
RAL 9016-S Smooth White
RAL 8019-S Smooth Bronze
RAL 9006 -S Smooth Aluminum
RAL _ _ _ _ Provide four digit RAL color number
CSC Custom color. Provide a color sample for matching and approval

OPTIONS
FS1 120 volt only. Single fuse and fuse holder
FS2 Double fuse and fuse holder
RL Reg-lag ballast
FBT Fixed ballast tray. Required for 3G, and 2G + 4G vibration compliance.
SQD Ignitor quick disconnect
5KV 5KV socket in lieu of standard 4KV socket

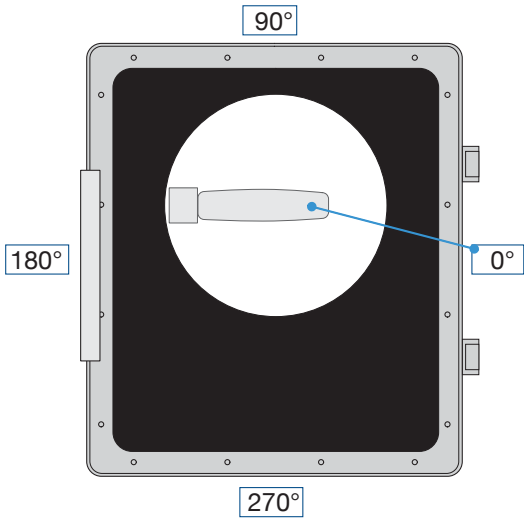
* Special options based on the specification. Please define.

MOUNTING BRACKETS
Mounting brackets, arms etc. based on the specification. See online spec sheet.

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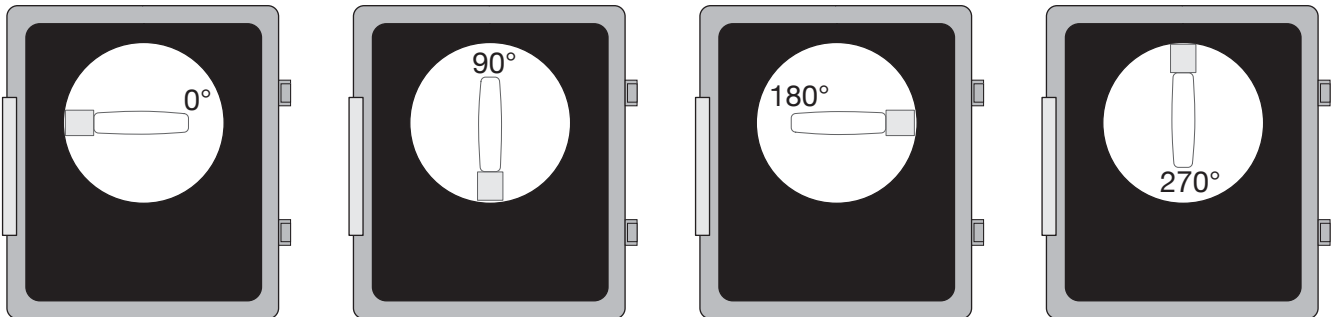


SYMMETRIC REFLECTOR DOOR



MODEL	AF5
Depth	7.0" / 177mm
Height	26.76" / 680mm
Width	23.14" / 588mm
EPA / CxS	1.3 sq ft / .22m ²
Weight	49 lbs / 22.2kg
IP Rating	66

Note the optic orientation in relation to the socket position.



LATCH: Quick-closing, constant-tension, spring-loaded latch provides tool-free access to the lamp and ballast tray. Latch is made of anodized aluminium. Two tension springs are made of Teflon coated stainless steel. Provides tool-free access to the lamp and ballast tray.

HOUSING AND LENS FRAME: Made of die cast aluminum equivalent to A360 (EN AB-47100) aluminum alloy, with very low copper content for superior resistance to oxidation.

LENS: Made of clear tempered glass, 3/16" (4.76mm) thick and impact resistant. A high temperature resistant ceramic silk-screen conceals the electrical components around the reflector.

OPTICAL SYSTEM: Reflector made of hydro formed 3002-0 aluminum alloy, chemically brightened and anodized (5 micron minimum). Distribution optics of the reflector are designed to achieve photometric performance as specified.

LAMP: (not included) Lamp type to be used is ED23.5 or ET18/ED18, mogul base for high pressure sodium lamps.

LAMP HOLDER: Porcelain thermo-resistant pulse rated 4 kV or 5kV (optional) as specified.

BALLAST: Up to 400 watt, CWA, High Pressure Sodium (ANSI Code S51), high power factor, -40°F (-40°C) lamp starting capacity, is provided with a polarized quick disconnect plug with a positive locking mechanism.

BALLAST TRAY: Easy to remove galvanized steel tray with thumbscrews for removal. No tool is required to access electrical components and remove the ballast tray. The ballast assembly shall be designed to meet the latest UL 1029 standard for operating High Pressure Sodium or Metal Halide lamps.

TERMINAL BLOCK: Accepts stripped wires up to (#8 AWG max.) on the primary circuit. Ground lug included.

CAPACITOR: As required for a respective ballast. PCB free.

IGNITOR: As required for a respective ballast; designed to eliminate stress on the ballast by directing a high voltage spike directly to the lamp rather than being directed through the ballast windings in the event of a missing or burned out lamp. UL listed component designed to not adversely affect the igniter or ballast in the event of cycling or an extinguished lamp.

WIRING: Wire is rated for 200 degrees C / 600V. All wire ways and wiring channels have rounded edges and contain insulated bushings at points of entrance and exit.

ELECTRICAL FEEDING: Type and location of connections to be determined with contractor. Please indicate details of required wiring and connections for each fixture type on page 3.

GASKETING: One piece silicone gasket provides an IP66 rating for sealing against water and dust, per IEC60598 standards .

TRAFFIC FLOW LABELS: Self-adhesive polyester sticker has an arrow indicating the direction of traffic flow.

IDENTIFICATION LABEL: Identifies the wattage and source used, according to ANSI standards.

OPTIONS: Type of options to be determined by specifier and or contractor. Please indicate required options as listed on page 2.

HARDWARE: All exposed screws shall be stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone materials.

FINISH: Standard textured color to be determined. Application of a polyester powder coat paint. (4 mils/100 microns). The chemical composition provides a highly durable UV and salt spray resistant finish in accordance to the ASTM B117 standard, and humidity proof in accordance to the ASTM D2247 standard.

CRC: Special Corrosion Resistant Coating. The process is rated at 3000 hours as per ASTM B117.

CERTIFICATIONS: Compliant with ETL (UL 1598) and cETLus (CSA C22.2 No. 250.0).

AF5

Schröder



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