

# AF5

Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

Approvals

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

Date: \_\_\_\_\_

Catalog Number: **AF5** . . . . .

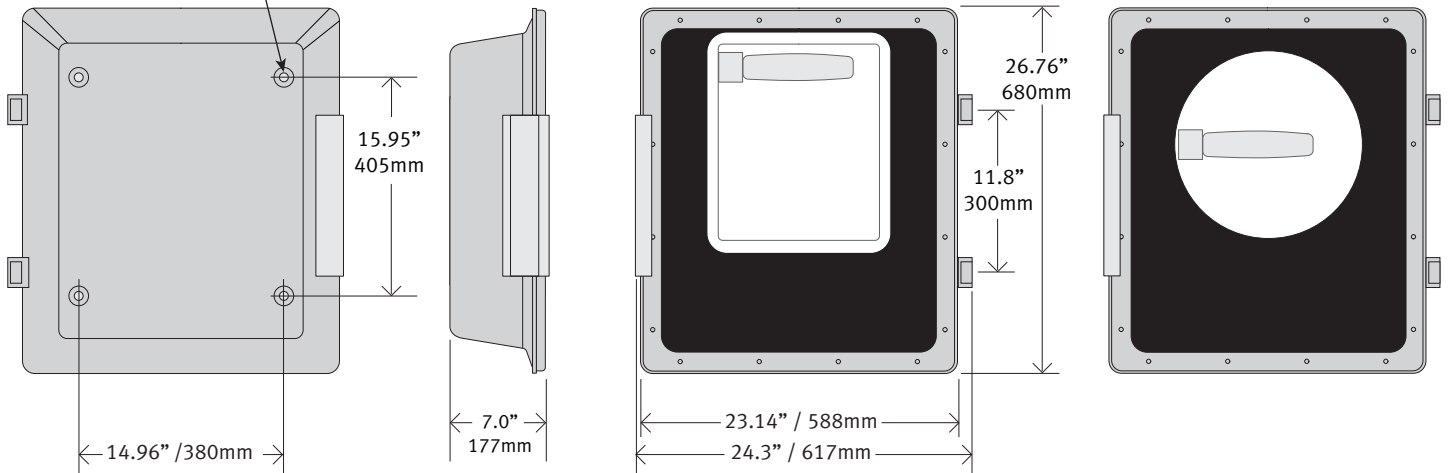
OPTIC TYPE      LAMP TYPE      ORIENTATION      VOLTAGE      COLOR      OPTIONS      BRACKET

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

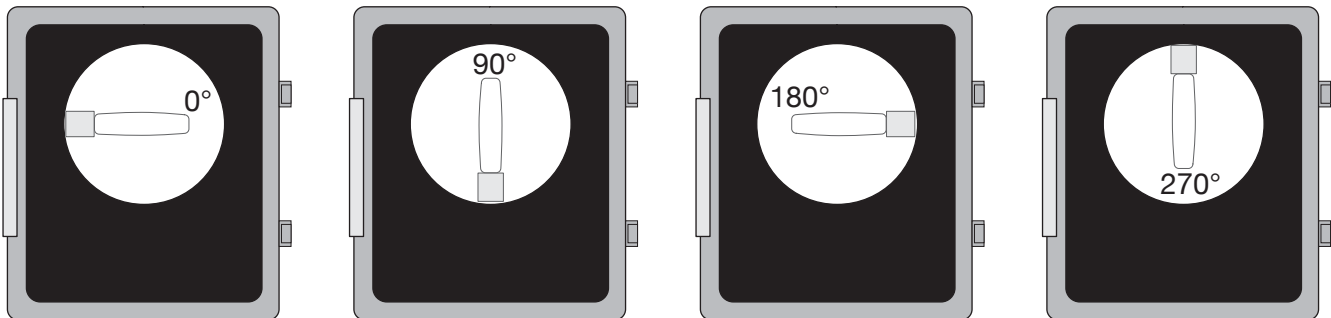
M8 stainless steel inserts with geomet coating

ASYMMETRIC REFLECTOR DOOR

SYMMETRIC REFLECTOR DOOR



Note the optic orientation in relation to the socket position.



## TECHNICAL LIGHTING SOLUTIONS

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OPTIC TYPE

LAMP TYPE

ORIENTATION

VOLTAGE

COLOR

OPTIONS

BRACKET

Optic orientation corresponds to the position of the socket as shown on the line drawing on page 1.

**1****3****2****4**

OPTIC TYPE	ORIENTATION			
	0	90	180	270
<b>CBL</b> Counter beam distribution #1587 Reflector	●		●	
<b>ASYM</b> Asymmetrical #1596 reflector	●		●	
<b>SYM</b> Symmetrical Type 2 #1400 reflector	●	●	●	●
<b>SYM - T2-310771</b> Symmetrical Type 2 #1697 reflector, use IES file 310771.ies	●	●	●	●
<b>SYM - T2-310772</b> Symmetrical Type 2 #1697 reflector, use IES file 310772.ies	●	●	●	●
<b>SYM - T1-310773</b> Symmetrical Type 1 #1697 reflector, use IES file 310773.ies	●	●	●	●
<b>SYM - T1-310774</b> Symmetrical Type 1 #1697 reflector, use IES file 310774.ies	●	●	●	●

LAMP TYPE
<b>HPS BD17</b> High Pressure Sodium Lamp Mogul base socket, E26
<b>HPS BD17 - 70</b> 70W high pressure sodium
<b>HPS BD17 - 100</b> 100W high pressure sodium
<b>HPS BD17 - 150</b> 150W high pressure sodium
<b>HPS ED23.5</b> High Pressure Sodium Lamp Mogul base socket, E39
<b>HPS ED23.5 - 70</b> 70W high pressure sodium
<b>HPS ED23.5 - 100</b> 100W high pressure sodium
<b>HPS ED23.5 - 150</b> 150W high pressure sodium
<b>HPS ED18</b> High Pressure Sodium Lamp Mogul base socket, E39
<b>HPS ED18 - 250</b> 250W high pressure sodium
<b>HPS ED18 - 400</b> 400W high pressure sodium

VOLTAGE
<b>120</b>
<b>208</b>
<b>240</b>
<b>277</b>
<b>347</b>
<b>480</b>

## TECHNICAL LIGHTING SOLUTIONS



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OPTIC TYPE      LAMP TYPE      ORIENTATION      VOLTAGE      COLOR      OPTIONS      BRACKET

**7** ACCESSORIES, CONDUIT, WIRE AND MOUNTING BRACKETS  
 Accessory items based on the specification.

**POWER ENTRY POINT**

AT FIXTURE TOP:	<input type="checkbox"/> LEFT	<input type="checkbox"/> CENTER	<input type="checkbox"/> RIGHT
AT FIXTURE BOTTOM:	<input type="checkbox"/> LEFT	<input type="checkbox"/> CENTER	<input type="checkbox"/> RIGHT
AT FIXTURE LEFT SIDE:	<input type="checkbox"/> TOP	<input type="checkbox"/> CENTER	<input type="checkbox"/> BOTTOM
AT FIXTURE RIGHT SIDE:	<input type="checkbox"/> TOP	<input type="checkbox"/> CENTER	<input type="checkbox"/> BOTTOM
AT FIXTURE BACK:	<input type="checkbox"/> TOP	<input type="checkbox"/> CENTER	<input type="checkbox"/> BOTTOM

**POWER FEED CONNECTOR - FLEXIBLE CONDUIT**

STRAIGHT CONNECTOR	<input type="checkbox"/> STAINLESS	<input type="checkbox"/> ZINC PLATED	<input type="checkbox"/> OTHER
90° CONNECTOR	<input type="checkbox"/> STAINLESS	<input type="checkbox"/> ZINC PLATED	<input type="checkbox"/> OTHER
SPECIFY - OTHER	<input type="checkbox"/> STAINLESS	<input type="checkbox"/> ZINC PLATED	<input type="checkbox"/> OTHER

NOMINAL SIZE: \_\_\_\_\_

**CONNECTORS PROVIDED BY**

<input type="checkbox"/> CONTRACTOR
<input type="checkbox"/> SCHREDER
<input type="checkbox"/> OTHER

**POWER FEED CONNECTOR - S.O. CABLE**

STRAIGHT CONNECTOR	<input type="checkbox"/> STAINLESS	<input type="checkbox"/> ZINC PLATED	<input type="checkbox"/> OTHER
90° CONNECTOR	<input type="checkbox"/> STAINLESS	<input type="checkbox"/> ZINC PLATED	<input type="checkbox"/> OTHER
SPECIFY - OTHER	<input type="checkbox"/> STAINLESS	<input type="checkbox"/> ZINC PLATED	<input type="checkbox"/> OTHER

NOMINAL SIZE: \_\_\_\_\_

**CONNECTORS PROVIDED BY**

<input type="checkbox"/> CONTRACTOR
<input type="checkbox"/> SCHREDER
<input type="checkbox"/> OTHER

NOTE: Additional cost may be assessed for the installation of connectors, whips, conduit and wire.

## TECHNICAL LIGHTING SOLUTIONS



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OPTIC TYPE      LAMP TYPE      ORIENTATION      VOLTAGE      COLOR      OPTIONS      BRACKET

**7** ACCESSORIES, CONDUIT, WIRE AND MOUNTING BRACKETS continued  
 Accessory items based on the specification.

**EXTERNAL POWER SUPPLY WIRE**

SPECIFY WIRE TYPE (A): \_\_\_\_\_ LENGTH: \_\_\_\_\_

SPECIFY WIRE TYPE (B): \_\_\_\_\_ LENGTH: \_\_\_\_\_

SPECIFY WIRE TYPE (C): \_\_\_\_\_ LENGTH: \_\_\_\_\_

**WIRE PROVIDED BY**

CONTRACTOR

SCHREDER

OTHER

	HARDWARE PROVIDED BY		DRAWING REQUIRED	
	<input type="checkbox"/> CONTRACTOR	<input type="checkbox"/> SCHREDER	<input type="checkbox"/> YES	<input type="checkbox"/> NO
FLAT STRAPS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ANGLE STRAPS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ANGLE BRACKETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BEVELED PLATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LATCHED/HINGED PLATE		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EXTERNAL BOLTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MOUNTING KIT		<input type="checkbox"/>		

Please note:

1. Additional cost may be assessed for the installation of connectors, whips, conduit and wire.
2. Mounting hardware provided by Schreder will be quoted separately.
3. Each item of mounting hardware must appear as a separate line item on the customer's order.
4. All external mounting hardware is stainless steel.

**TECHNICAL LIGHTING SOLUTIONS**



# AF5

Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

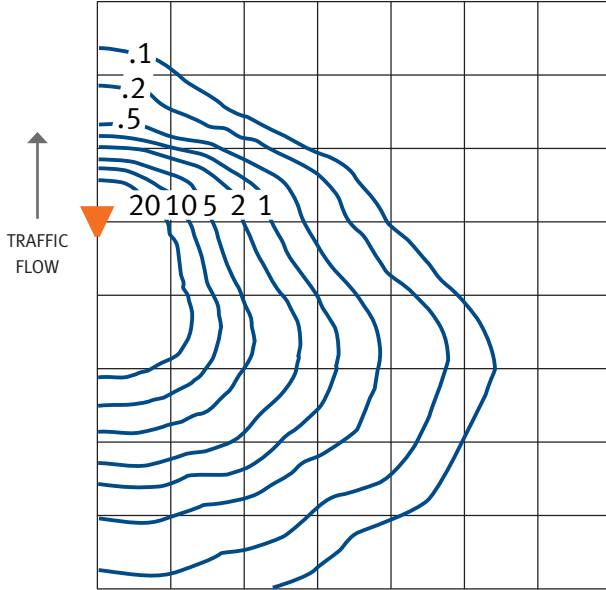
Approvals

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

Optic type: CBL Reflector: 1587

IES Classification: type 4, full cutoff

Lamp type: High Pressure Sodium ET18 400 watt

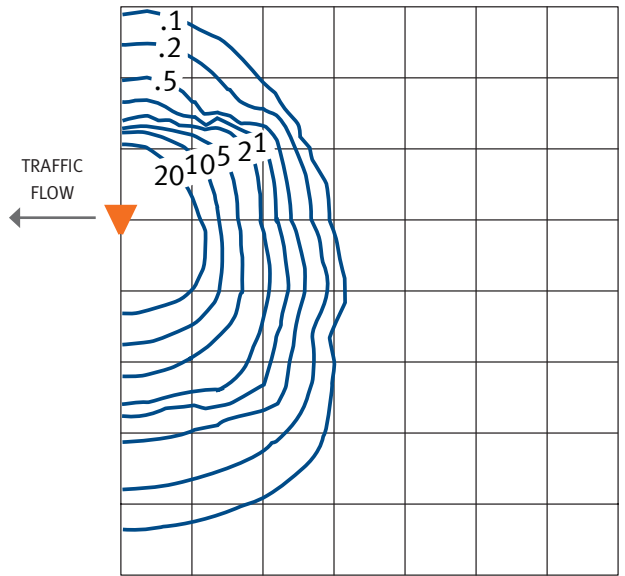


Each square equals 10 feet  
Values based on a 10 foot mounting height

Optic type: ASYM Reflector: 1596

IES Classification: type 1, cutoff

Lamp type: High Pressure Sodium ET18 400 watt

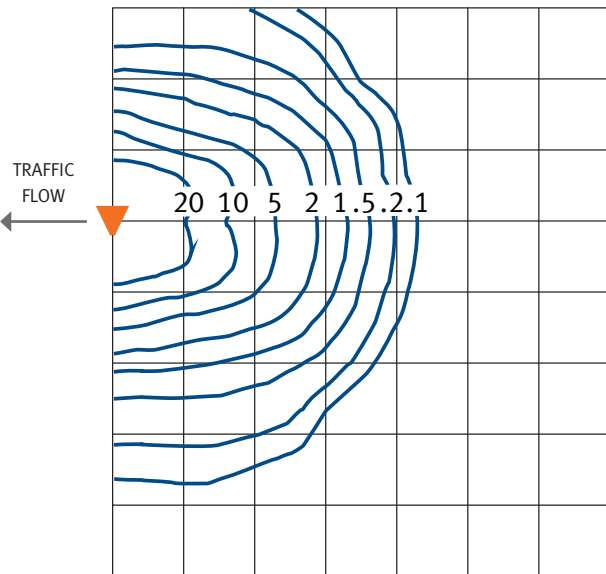


Each square equals 10 feet  
Values based on a 10 foot mounting height

Optic type: SYM Reflector: 1400

IES Classification: type 2, full cutoff

Lamp type: High Pressure Sodium ET18 250 watt



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

## TECHNICAL LIGHTING SOLUTIONS

# AF5

Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

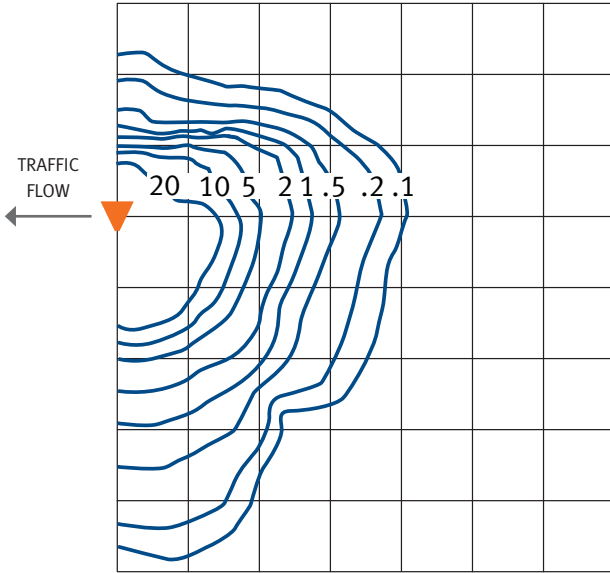
Approvals

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

Optic type: MH-T2-315 Reflector: 1922

IES Classification: type 2, full cutoff

Lamp type: Metal Halide CDM-TMW 315 watt

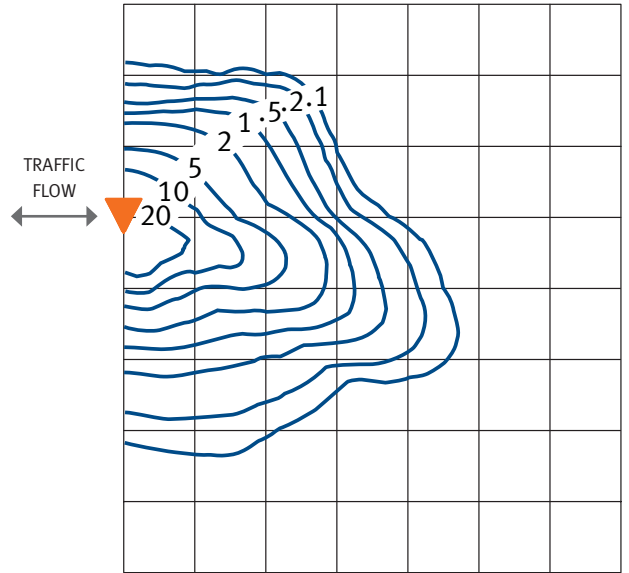


Each square equals 10 feet  
Values based on a 10 foot mounting height

Optic type: CPO-T2-140 Reflector: 1922

IES Classification: type 2, full cutoff

Lamp type: Philips Cosmopolis CPO-T WHITE 140 watt



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

## TECHNICAL LIGHTING SOLUTIONS

# AF5

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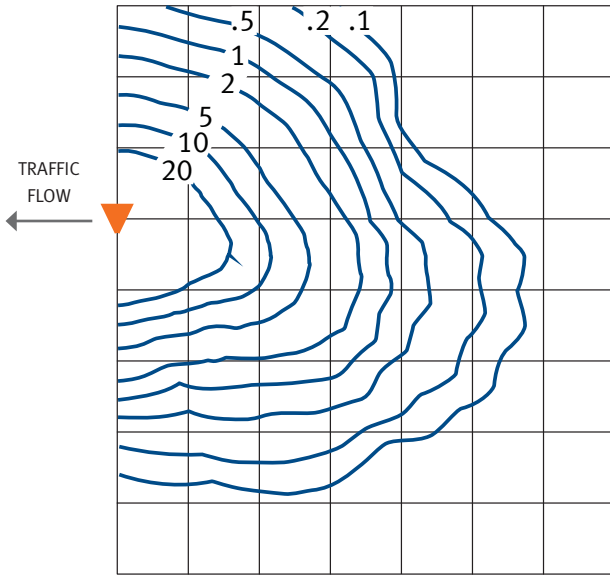
Approvals

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

Optic type: SYM -T2 - 310771 Reflector: 1697-310771

IES Classification: type 2, full cutoff

Lamp type: High Pressure Sodium ET18 400 watt

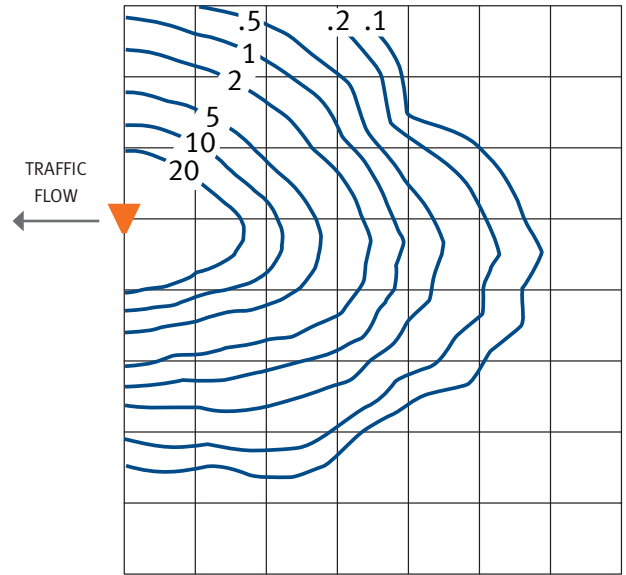


Each square equals 10 feet  
Values based on a 10 foot mounting height

Optic type: SYM -T2 - 310772 Reflector: 1697-310772

IES Classification: type 2, full cutoff

Lamp type: High Pressure Sodium ET18 400 watt

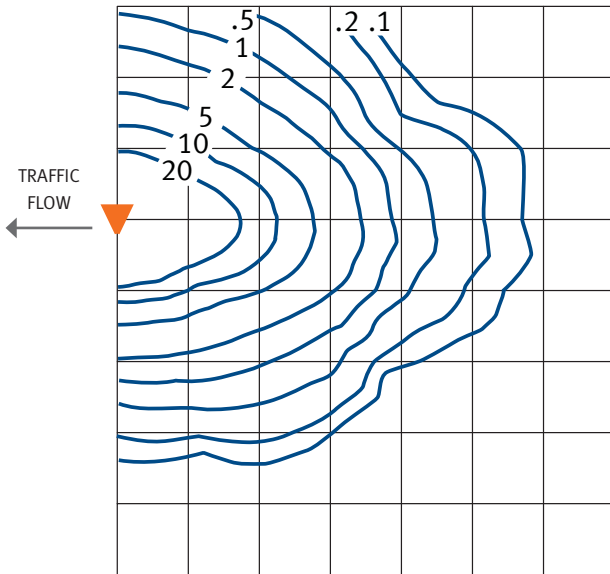


Each square equals 10 feet  
Values based on a 10 foot mounting height

Optic type: SYM -T2 - 310773 Reflector: 1697-310773

IES Classification: type 1, full cutoff

Lamp type: High Pressure Sodium ET18 400 watt

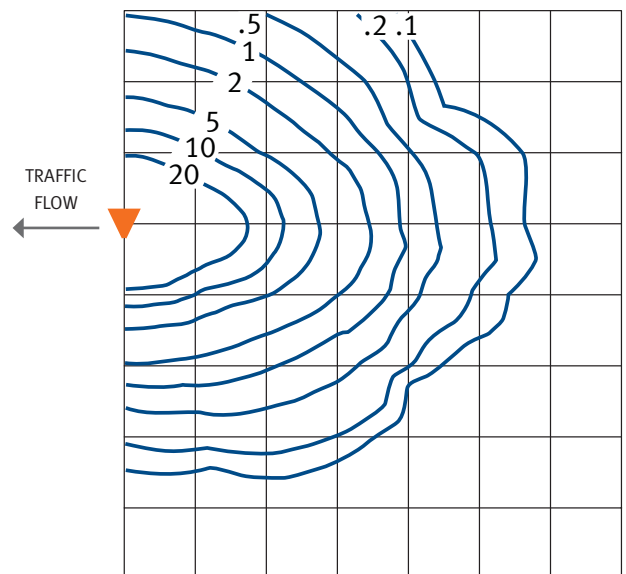


Each square equals 10 feet  
Values based on a 10 foot mounting height

Optic type: SYM -T2 - 310774 Reflector: 1697-310774

IES Classification: type 1, full cutoff

Lamp type: High Pressure Sodium ET18 400 watt



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

## TECHNICAL LIGHTING SOLUTIONS

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Approvals

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

**SPECIFICATIONS**

**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).

**TECHNICAL LIGHTING SOLUTIONS**