

SILL® PR021 Projector Floodlights



Project: _____

Type: _____ **Qty:** _____

PR021	—	—	—	—	—	—	—	—	—
Fixture Series	Beam Pattern	Lamp Type/Wattage	Lamp Color	Mounting	Finish	Voltage	Lens Accessories	Option	
—	—	—	—	—	—	—	—	Option	Option

Series	Beam Pattern	Lamp Type / Wattage	Lamp Color	Mounting	Finish	Voltage	Lens Accessories
PR021 SILL Projector Floodlight PR021	SN Narrow Spot	Ceramic Metal Halide (includes electronic ballast)		S Stake Mount	WH White	120	FG Flush Glass
	SM Medium Spot				BK Black	277	LR Colored Red
	FN Narrow Flood	H150T6 150W T6 G12	830 3000°K (clear lamp) NOL Lamp not included	W Wall Mount	BZ Bronze	347	LG Colored Green
	FM Medium Flood				SV Silver		LB Colored Blue
	HN Horizontal Narrow	HC050 50W Medium Base HC070 70W Medium Base HC100 100W Medium Base HC150 150W Medium Base	830 3000°K (clear lamp) C830 3000°K (coated lamp) NOL Lamp not included	B Bracket Mount (for side bracket mounting to Ø 5" to Ø 10" poles)	SP Specify RAL #		LY Colored Yellow
	HM Horizontal Medium						RL Ring Louver Internal
	VN Vertical Narrow	Metal Halide H050 50W Medium Base H070 70W Medium Base H100 100W Medium Base H150 150W Medium Base H175 175W Medium Base	730 3000°K (clear lamp) C729 2900°K (coated lamp) NOL Lamp not included	O Outrigger Mount			DF Dichroic Filter (consult factory for details)
	VM Vertical Medium			1 Single Pole Top 2 Double Pole Top 3 Triple Pole Top 4 Quad Pole Top Y Yoke Mount (for remote ballast and halogen lamps only)			Options RB Remote Ballast (for "Y" mounting only) RLX Ring Louver ³ External S18 Snoot 180° ³ S36 Snoot 360° ³ WG Wire Guard ³ SLR Field Rotatable Spread Lens
		High Pressure Sodium S070 70W Medium Base S100 100W Medium Base S150 150W Medium Base	Lamp Color not applicable (Leave blank to include specified lamp)				
		Quartz Halogen E27 Q100M ^{1,2} 100W T10 Medium Base Q150M ^{1,2} 150W T10 Medium Base Q250M ^{1,2} 250W T10 Medium Base	NOL Lamp not included				
	SW Wide Spot	Compact Fluorescent 1F26 26W GX24q-3 1F32 32W GX24q-3 1F42 42W GX24q-4	830 3000°K NOL Lamp not included				
	FW Wide Flood						
	HW Horizontal Wide						
	VW Vertical Wide						

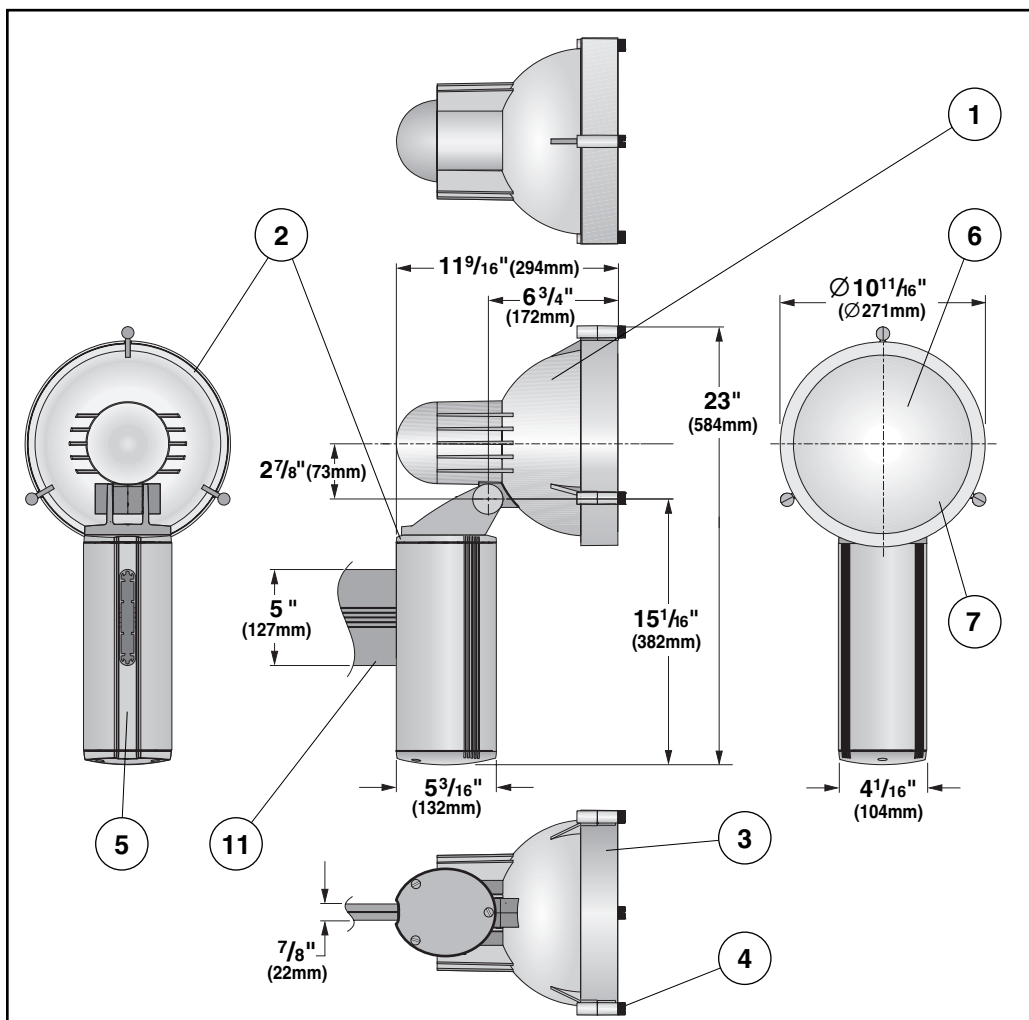
¹Includes electronic ballast ²Supplied with "Y" mounting only; 120V only ³RLX, S18, S36 and WG cannot be combined, consult factory if so desired.

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PR021-1206-ssV1.0 p.1

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PR021 Specifications



1. Housing - Pressure die cast, specially formulated high purity aluminum GD-ALSi12 housing with heat dissipating fins. Secures and provides sealed optic chamber for reflector and lamp.

2. Gasketing - Die-cut high strength silicone gasket between ballast housing and cover, and continuous silicone gasket between fixture housing and lens base provide weatherproofing, dust and insect control.

3. Door Frame - Pressure die cast, specially formulated high purity aluminum GD-ALSi12 frame.

4. Door Fasteners - Three captive stainless steel knurled thumb screws fasten to stainless steel threaded inserts.

5. Ballast Housing - (when fixture supplied with integral ballast) Extruded aluminum 6005-T5, with integral ballast. Ballast enclosure supplied with pressure die cast specially formulated high purity GD-ALSi12 aluminum end

caps, top cap provides mounting yoke for fixture housing. Fixture yoke provides fixture rotation and is locked into position with stainless steel set screw. Available in various mounting configurations, refer to mounting pages for details.

6. Lens - Tempered glass lens supplied in clear, spread or sand etched according to specified beam spread. Optional clear flush lens can be combined with any other lens to prevent dirt and water build up on lens/door assembly in up-light applications. Rotatable spread lens, color filter glass and dichroic filters optionally available.

7. Reflector - Precision formed, high performance reflector, in highly specular and diffuse finishes. Constructed of high purity aluminum with chemically brightened and anodized finish to produce optimum reflectivity for specified distributions.

8. Lamp - (not shown) As indicated.

9. Socket - (not shown) High quality sockets, located to precisely locate and secure lamps in optimum position. Refer to lamp table for specific socket types for each lamp type.

10. Ballasting - (not shown) Electronic, low THD, high power factor ballasts for wattages up to 70MH; or magnetic, high power factor, core and coil ballast for wattages up to 175 watt. Ballasts mounted on removable tray which may be accessed from below housing while mounting and aiming remain fixed.

11. Arm - Extruded aluminum 6005-T5, when applicable. (refer to mounting details)

Exterior Luminaire Finish -

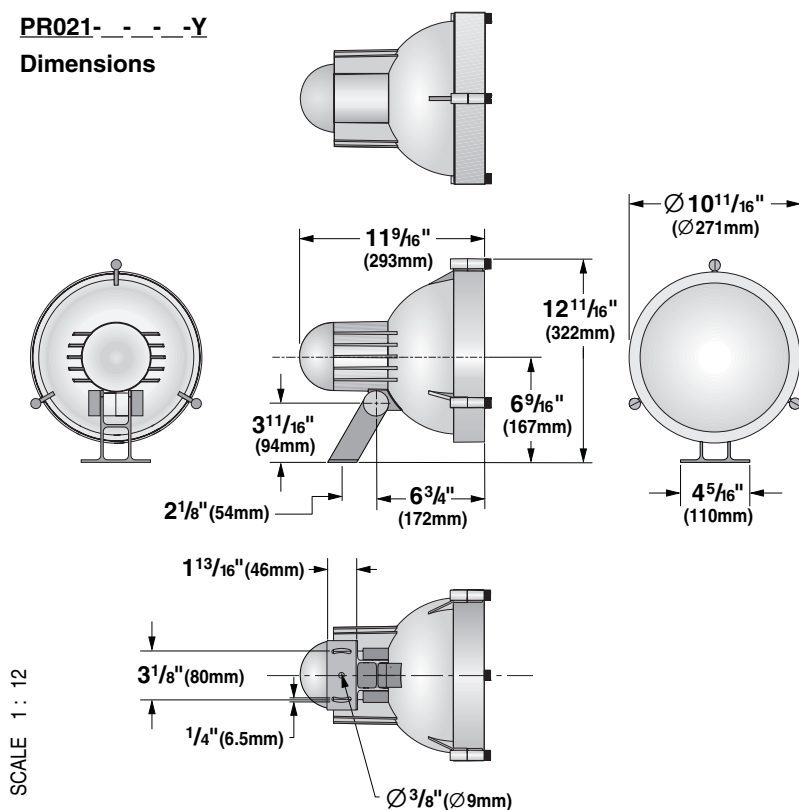
SELUX utilizes a high quality Polyester Powder Coating. All SELUX luminaires and poles undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. SELUX powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), and Silver (SV). RAL colors (SP) are available, please specify RAL #.

Yoke Mounting (Y)

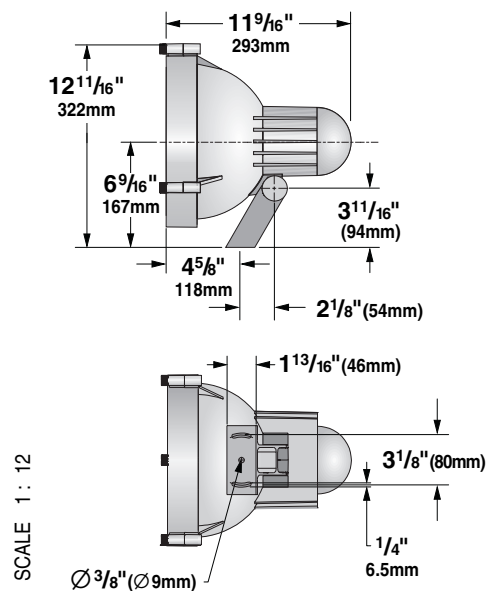
PR021- - - -Y

Dimensions



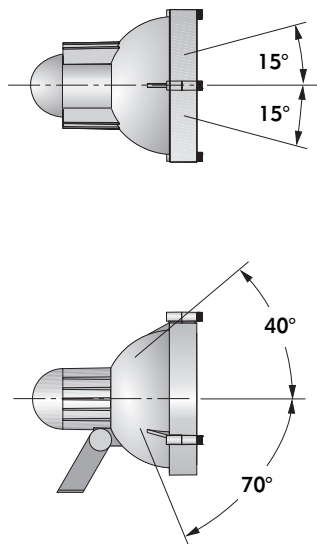
PR021- - - -Y

Alternate Orientation Dimensions



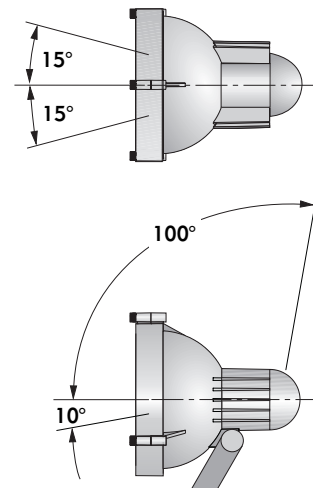
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Lateral and Vertical Rotation



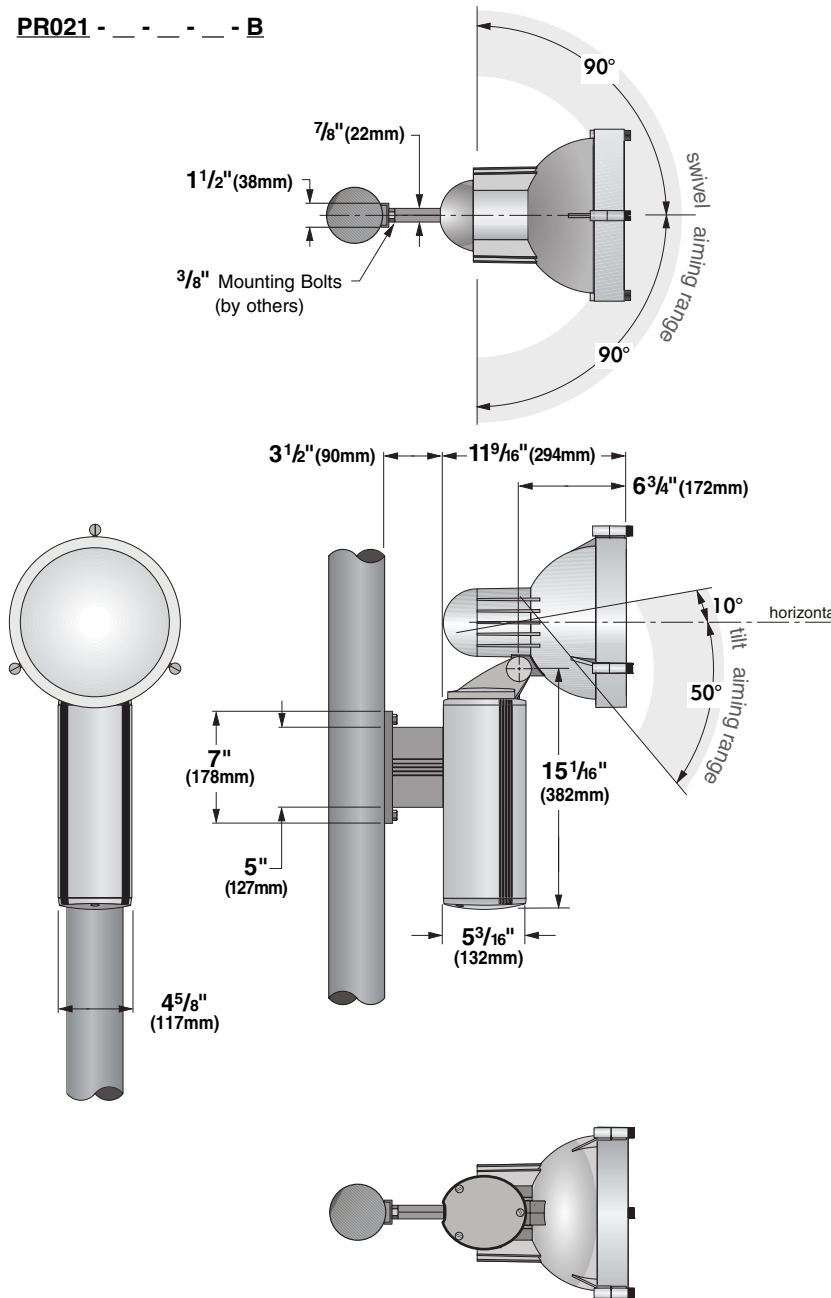
PR021- - - -Y

Alternate Orientation Lateral and Vertical Rotation



Bracket Mounting (B)

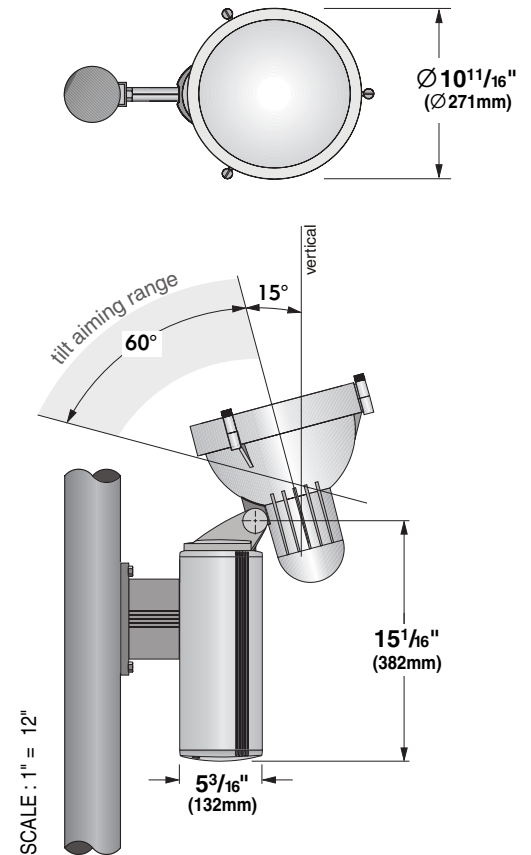
PR021 - - - - B



SCALE : 1" = 12"

PR021 - - - - B

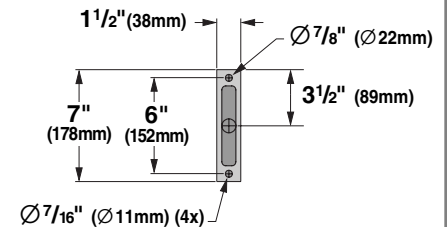
Alternate Orientation



SCALE : 1" = 12"

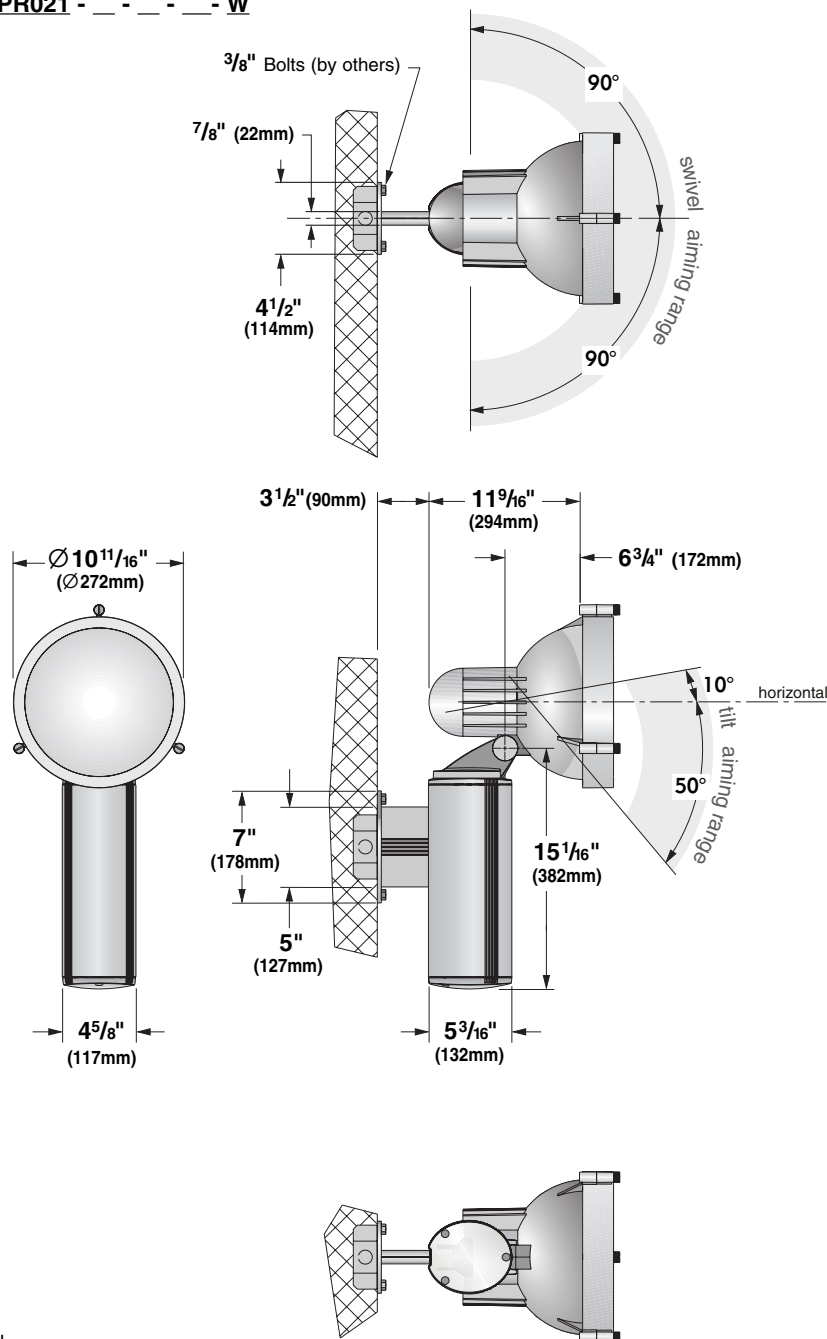
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Arm Mounting Plate



Wall Mounting (W)

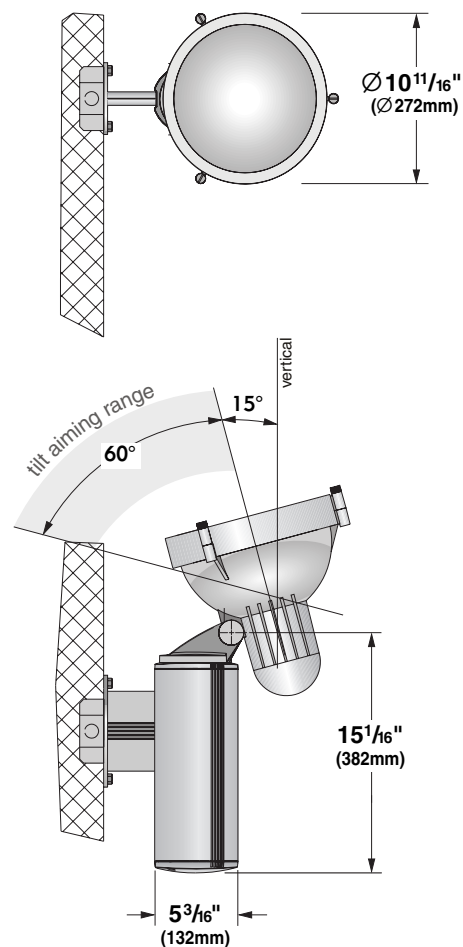
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SCALE 1 : 12

PR021 - - - - W

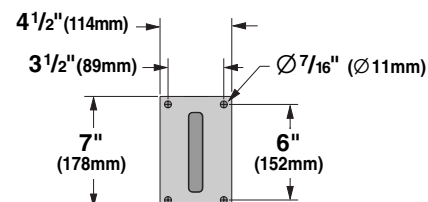
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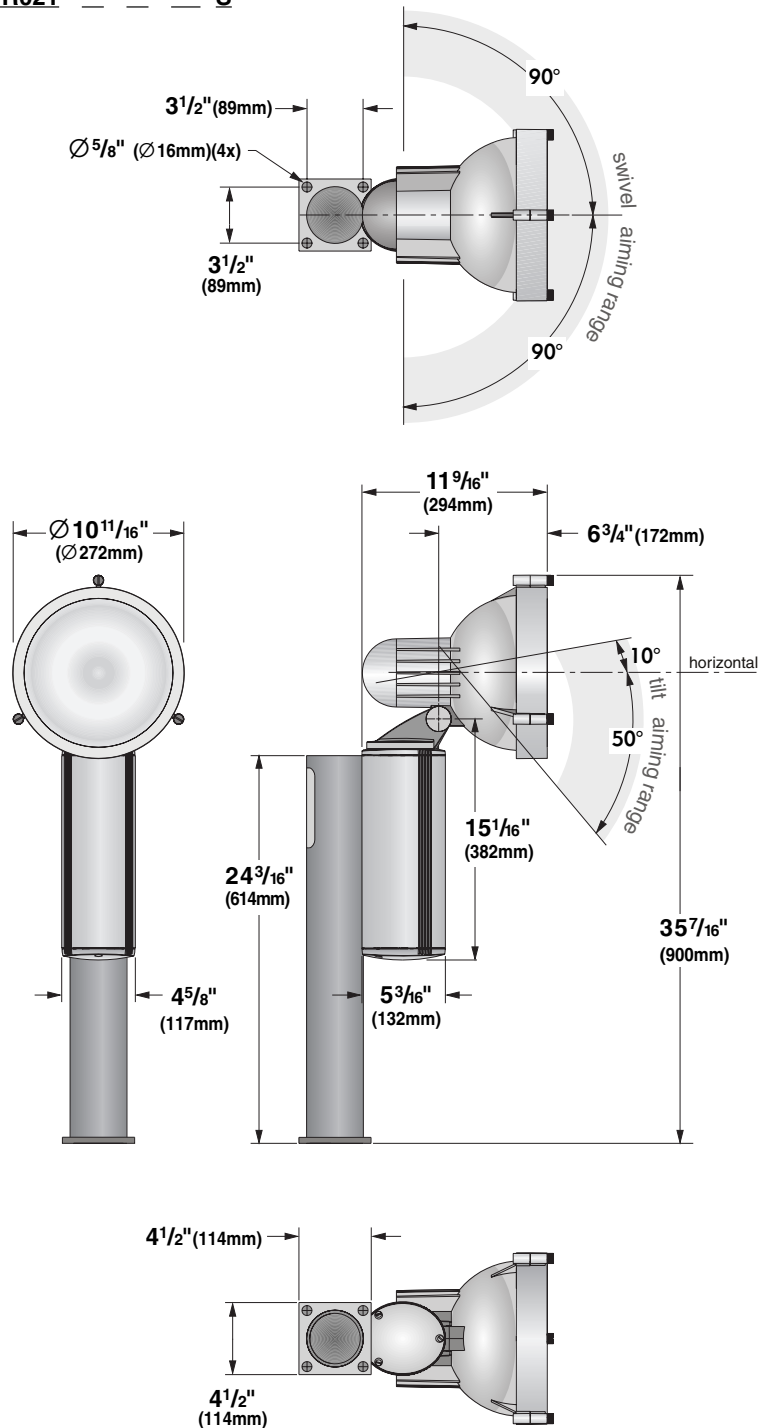
PR021 - - - - W

Arm Mounting Plate



Stake Mounting (S)

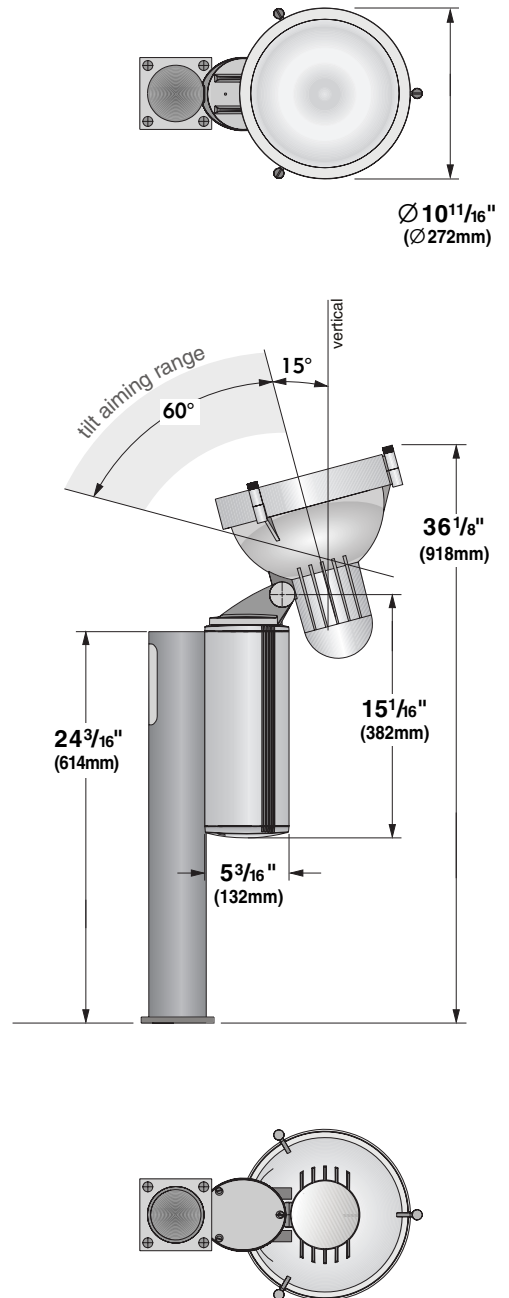
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PR021 - - - - S

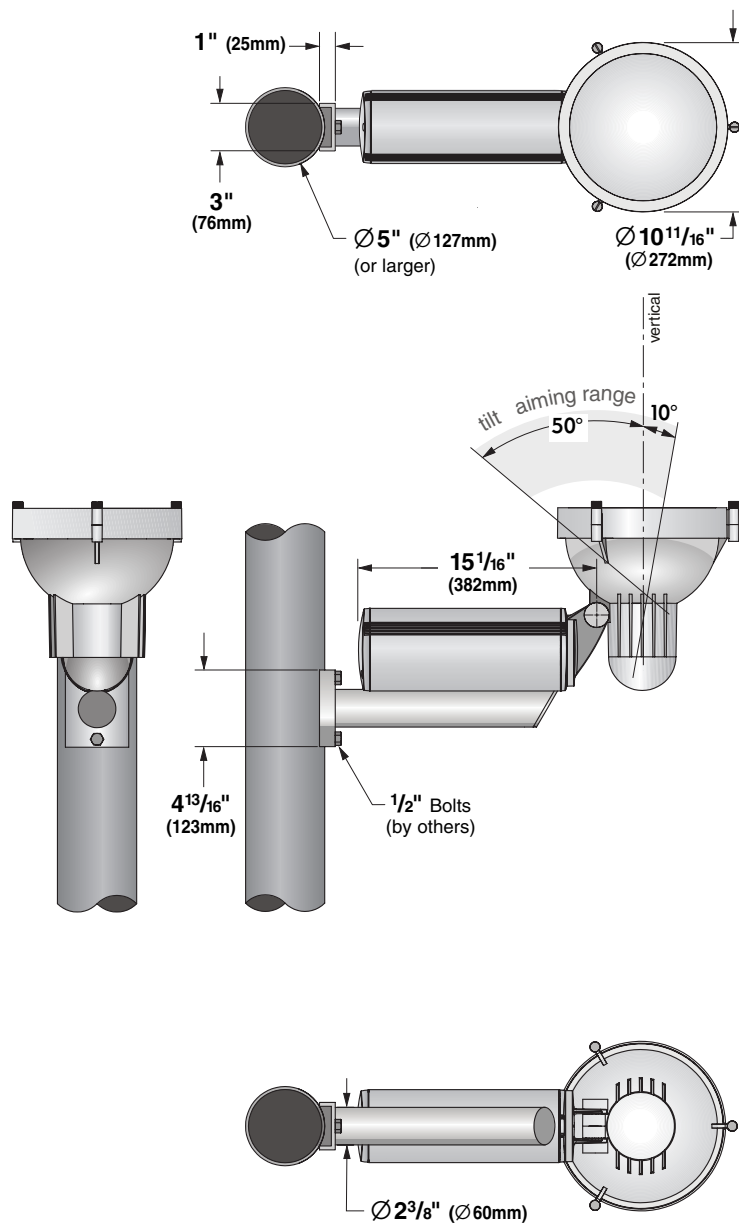
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Outrigger Mounting (O)

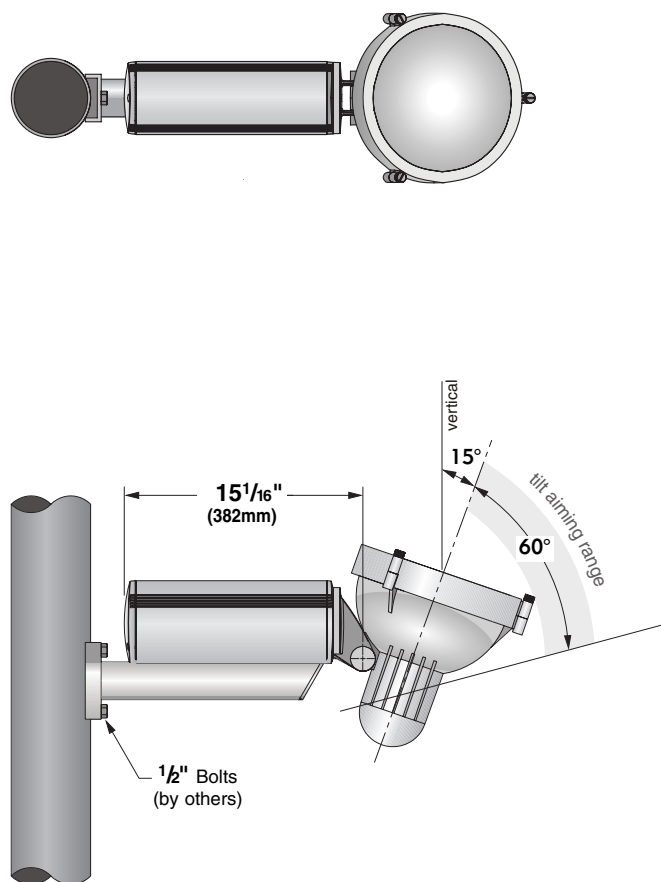
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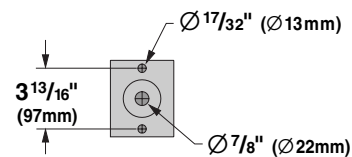
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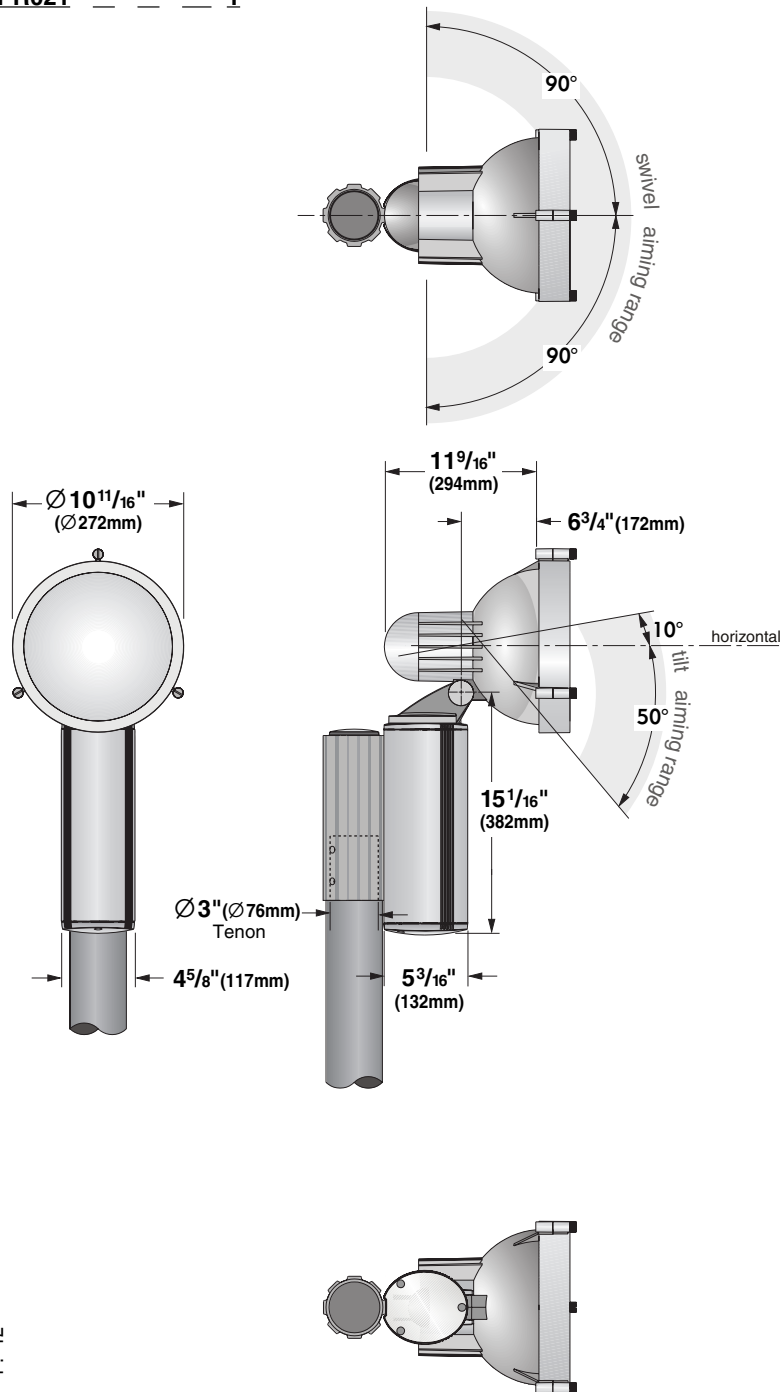
PR021 - _ - _ - _ - O

Outrigger Mounting Plate



Single Mounting (1)

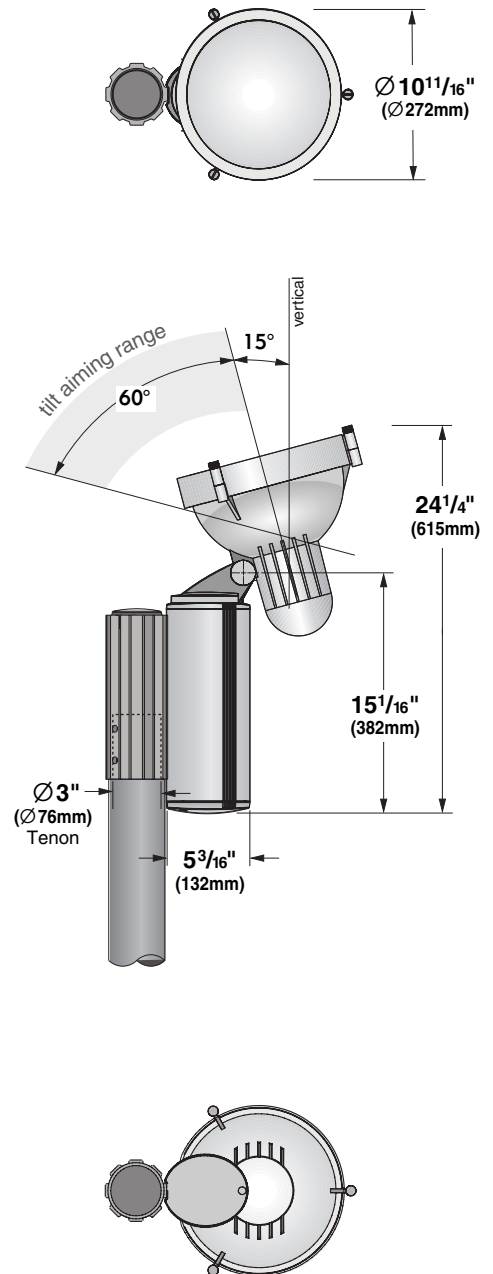
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PR021 - _ - _ - 1

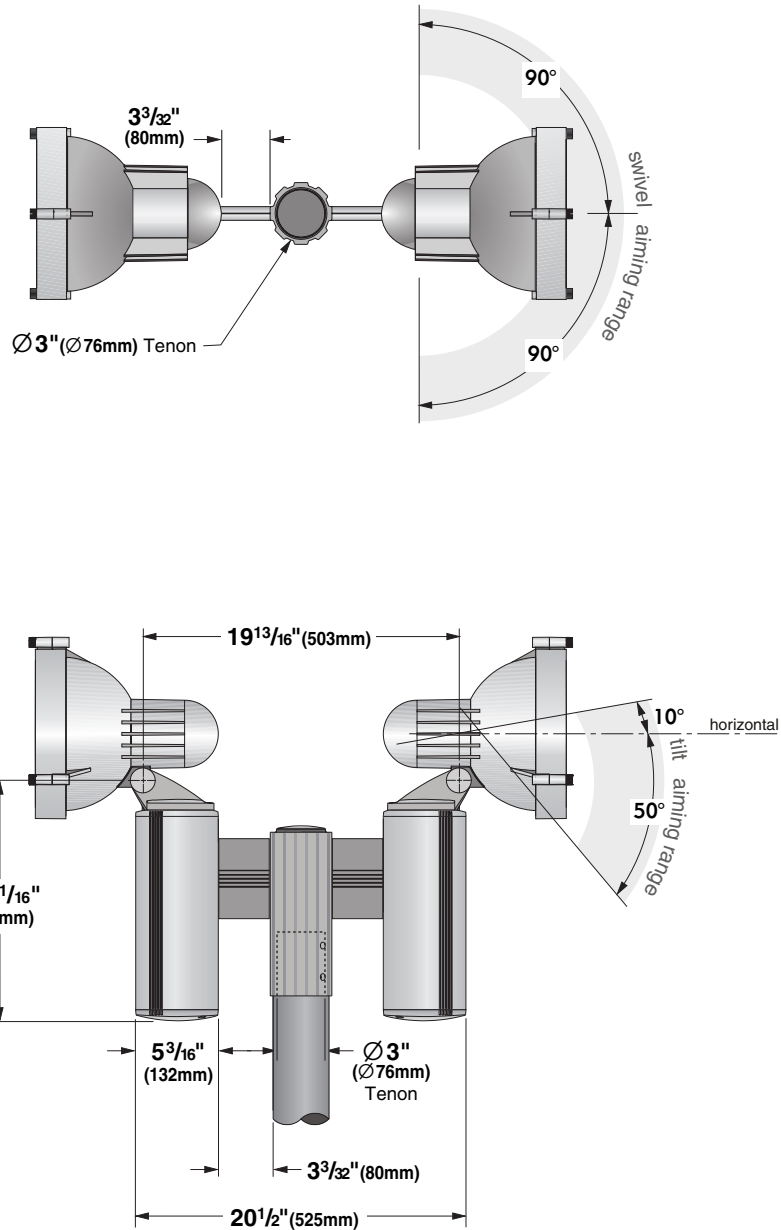
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Double Mounting (2)

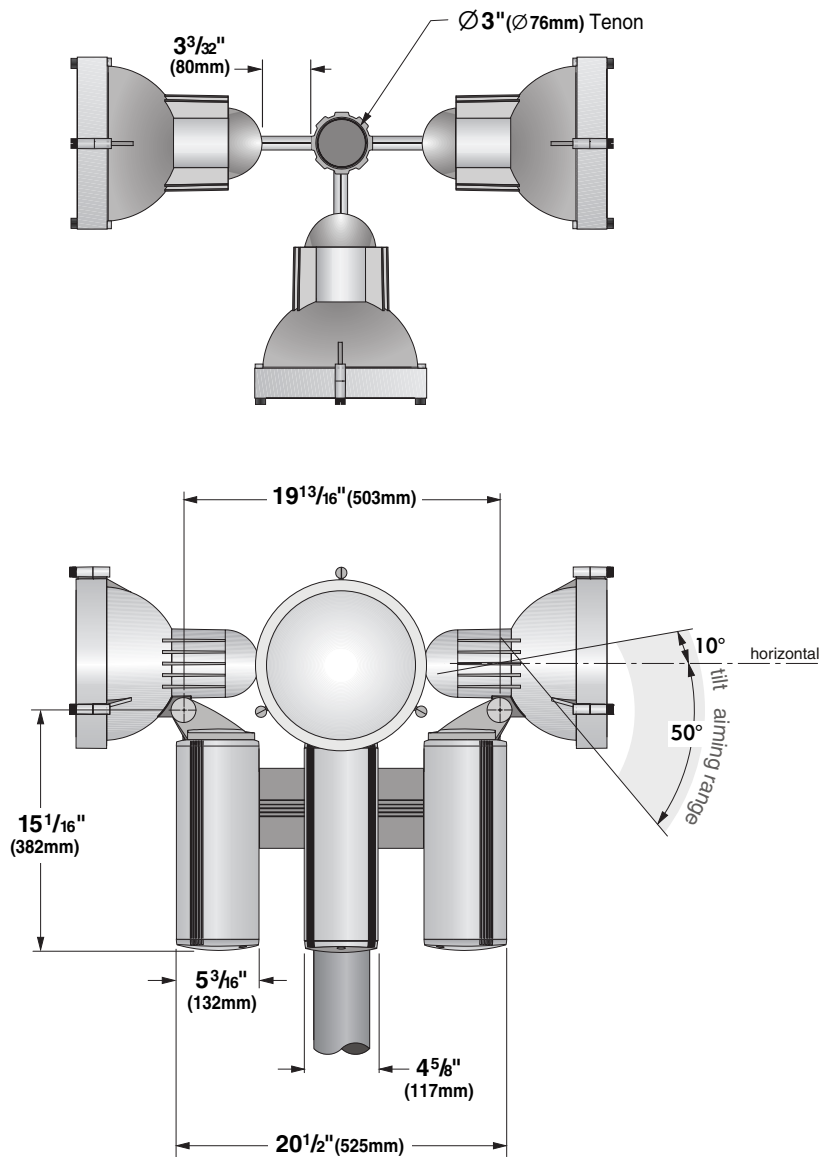
PR021 - _ - _ - _ - 2



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Triple Mounting (3)

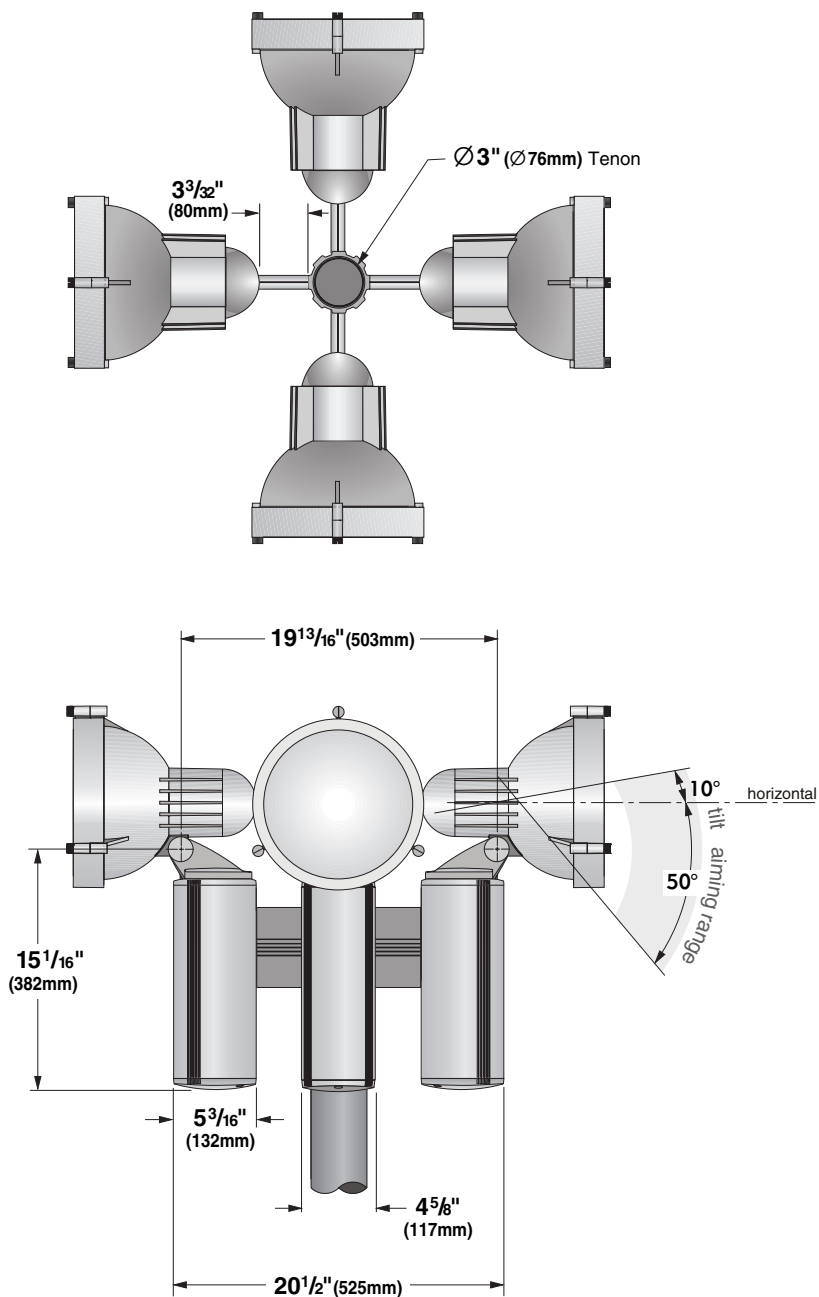
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Quad Mounting (4)

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SCALE 1: 12

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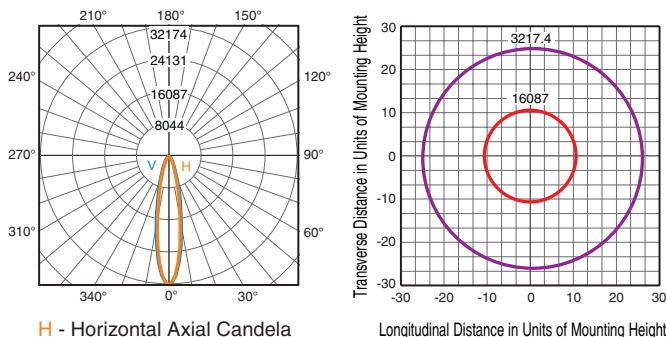


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150W T6 Ceramic Metal Halide / Narrow Flood

Catalog # PR021-FN-H150T6
Report # LM-63-1995

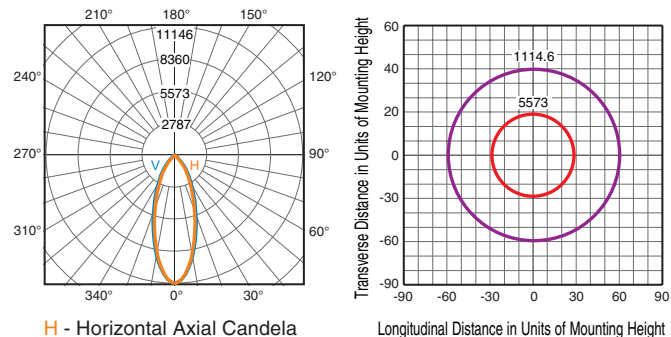


Maximum Candela = 32174
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 16087)
H = 20.7° V = 20.7°
■ **Field Angles**
(10% max. candela = 3217.4)
H = 49.6° V = 49.6°
NEMA Class 4H x 4V

100W Coated Metal Halide / Medium Spot / Internal Ring Louver

Catalog # PR021-SM-H100-C830-RL
Report # LM-63-1995

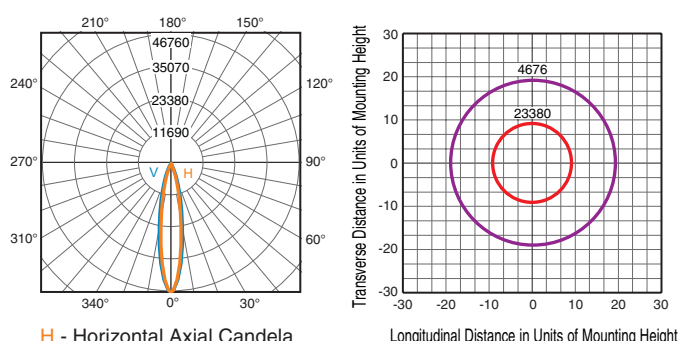


Maximum Candela = 11146
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 5573)
H = 36.8° V = 36.8°
■ **Field Angles**
(10% max. candela = 1114.6)
H = 80.5° V = 80.5°
NEMA Class 5H x 5V

150W T6 Ceramic Metal Halide / Medium Spot / Internal Ring Louver

Catalog # PR021-SM-H150T6-RL
Report # LM-63-1995

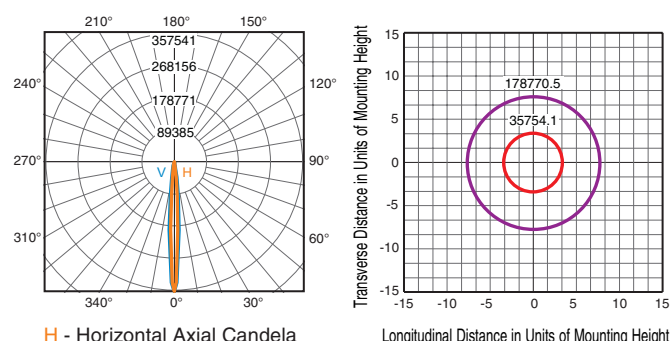


Maximum Candela = 46760
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 23380)
H = 18° V = 18°
■ **Field Angles**
(10% max. candela = 4676)
H = 39.4° V = 39.4°
NEMA Class 1H x 1V

150W T6 Ceramic Metal Halide / Narrow Spot

Catalog # PR021-SN-H150T6
Report # LM-63-1995

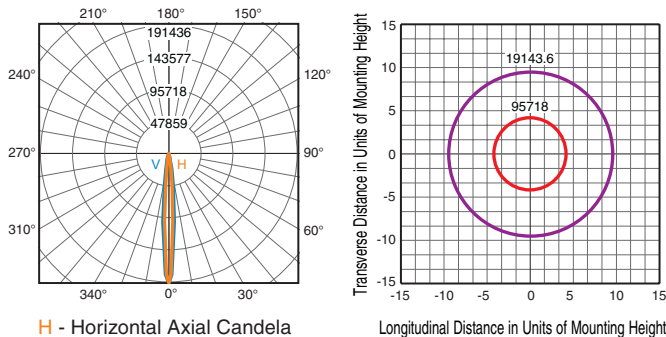


Maximum Candela = 357541
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 178770.5)
H = 6.4° V = 6.4°
■ **Field Angles**
(10% max. candela = 35754.1)
H = 15.1° V = 15.1°
NEMA Class 1H x 1V

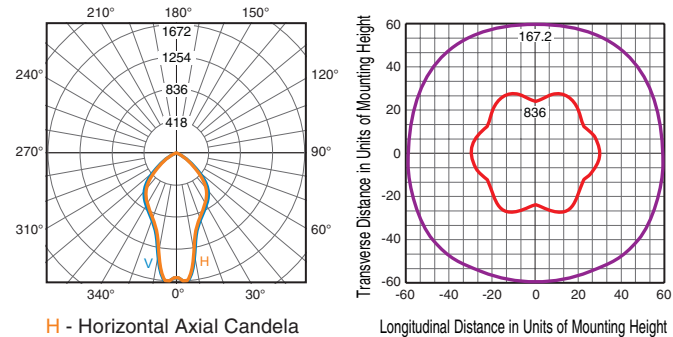
150W T6 Ceramic Metal Halide / Narrow Spot / Internal Ring Louver

Catalog # PR021-SN-H150T6-RL
Report # LM-63-1995



32W T4 Dulux T/E Compact Fluorescent / Wide Spot / Internal Ring Louver

Catalog # PR021-SW-1F32
Report # LM-63-1995



Beam Information

Catalog Number	NEMA Distribution		Max Candela			Beam Angle (50°)		Field Angle (10°)		Efficiency (%)		
	H	V	Candela	H	V	H	V	H	V	Beam	Field	Total
PR021 - SN - H070T6 - RL	1	1	265179	0°	0°	5.1°	5.1°	11.6°	11.6°	15.92%	38.54%	61.13%
PR021 - SM - H070T6 - RL	3	3	18056	0°	0°	19.8°	19.8°	42.3°	42.3°	16.22%	38.93%	45.50%
PR021 - SN - H150T6 - RL	2	2	191436	0°	0°	8.4°	8.4°	19.1°	19.1°	15.06%	36.88%	50.37%
PR021 - SM - H150T6 - RL	3	3	46760	0°	0°	18.0°	18.0°	39.4°	39.4°	19.12%	41.09%	47.55%
PR021 - SM - H100 - RL	5	5	11146	0°	0°	36.8°	36.8°	80.5°	80.5°	31.73%	69.79%	78.16%
PR021 - SN - H070T6	1	1	301668	0°	0°	5.1°	5.1°	11.8°	11.8°	17.93%	43.84%	77.30%
PR021 - SM - H070T6	4	4	19955	0°	0°	22.4°	22.4°	47.9°	47.9°	24.77%	52.99%	70.66%
PR021 - FM - H070T6	5	5	7649	0°	0°	33.8°	33.8°	76.4°	76.4°	21.67%	49.16%	63.54%

Lamp Data

Other color temperatures available upon request

Catalog Number	Description	Bulb	Operating Position	Base	Lamp Finish	Lamp Color	ANSI Designation	Initial Lumens	Mean Lumens	CRI	CCT (K)	Life (hours)
1F26	26 Watt	T4	Universal	GX24q-3		830		1800	1548	82	3000	12,000
1F32	32 Watt	T4	Universal	GX24q-3		830		2400	2064	82	3000	12,000
1F42	42 Watt	T4	Universal	GX24q-4		830		3200	2752	82	3000	12,000
H050	50 Watt	ED17	Universal	Medium	Clear	730	M110/O	3450	1900	70	3000	20,000V 10,000H
H050	50 Watt	ED17	Universal	Medium	Coated	729	M110/O	3200	1750	70	2900	20,000V 10,000H
H070	70 Watt	ED17	Universal	Medium	Clear	730	M98/O	5200	3400	75	3000	15,000V 10,000H
H070	70 Watt	ED17	Universal	Medium	Coated	729	M98/O	4700	3100	75	2900	15,000V 10,000H
H100	100 Watt	ED17	Universal	Medium	Clear	730	M90/O	8500	5525	75	3000	15,000V 10,000H
H100	100 Watt	ED17	Universal	Medium	Coated	729	M90/O	7900	5800	75	2900	15,000V 10,000H
H150	150 Watt	ED17	Universal	Medium	Clear	730	M102/O	12900	10000	75	3000	15,000V 10,000H
H150	150 Watt	ED17	Universal	Medium	Coated	729	M102/O	11600	9000	75	2900	15,000V 10,000H
H150T6	150 Watt	T6	Universal	G12	Clear	830	M142/E	14000	9800	85	3000	12,000
H175	175 Watt	ED17	Universal	Medium	Clear	640	M57/E	14400V 12800H	9300	65	4000	10,000V 7,500H
H175	175 Watt	ED17	Universal	Medium	Coated	736	M57/E	13000V 11080H	8400	70	3600	10,000V 7,500H
HC050	50 Watt	ED17	Universal	Medium	Clear	830	M148/M110/E	4100	2750	85	3000	10,000
HC050	50 Watt	ED17	Universal	Medium	Coated	830	M148/M110/E	3800	2545	85	3000	10,000
HC070	70 Watt	ED17	Universal	Medium	Clear	830	M143/M98/E	6200	4585	85	3000	16,000
HC070	70 Watt	ED17	Universal	Medium	Coated	830	M143/M98/E	5800	4290	85	3000	16,000
HC100	100 Watt	ED17	Universal	Medium	Clear	830	M140/M90/E	9500	7125	85	3000	16,000
HC100	100 Watt	ED17	Universal	Medium	Coated	830	M140/M90/E	8800	6600	85	3000	16,000
HC150	150 Watt	ED17	Universal	Medium	Clear	830	M142/M102/E	14000	10500	85	3000	10,000
HC150	150 Watt	ED17	Universal	Medium	Coated	830	M142/M102/E	12500	9375	85	3000	10,000
Q100M	100 Watt	T10		Medium	Coated	xxx		1430				2,000
Q150M	150 Watt	T10		Medium	Coated	xxx		2400				2,000
S070	70 Watt	ED17	Universal	Medium	Clear	xxx	S62	6300	5350	22	1900	2400+
S070	70 Watt	ED17	Universal	Medium	Coated	xxx	S62	5800	4900	22	1900	2400+
S100	100 Watt	ED17	Universal	Medium	Clear	xxx	S54	9500	8000	22	2100	2400+
S100	100 Watt	ED17	Universal	Medium	Coated	xxx	S54	8800	7500	22	2100	2400+
S150	150 Watt	ED17	Universal	Medium	Clear	xxx	S55	15800	13400	22	2100	2400+
S150	150 Watt	ED17	Universal	Medium	Coated	xxx	S55	14500	12300	22	2100	2400+

Note: Lamp data provided for reference only and is believed to be accurate at time of printing. Consult manufacturers' data for updated and accurate specifications, along with any specifications and precautions. Contact SELUX for specific manufacture if required. Other lamps are available, contact SELUX with any special requests. All lamps and ballasts supplied by SELUX are usually covered under the ballast and lamp manufacturers' warranties.