

SILL® PR020 Projector Floodlights

se'lux®



Project: _____

Type: _____ **Qty:** _____

PR020	Fixture Series	Beam Pattern	Lamp Type/ Wattage	Lamp Color	Mounting	Finish	Voltage	Lens Accessories	Option

Series	Beam Pattern	Lamp Type / Wattage	Lamp Color	Mounting	Finish	Voltage	Lens Accessories
PR020 SILL Projector Floodlight PR020	SN Narrow Spot	Ceramic Metal Halide (Includes electronic ballast)	830 3000°K	S Stake Mount	WH White	12V ^{1,4}	FG Flush Glass
	SM Medium Spot			W Wall Mount	BK Black	120	LR Colored Red
	FN Narrow Flood	H035T6 35W T6 G12	NOL Lamp not included	B Bracket Mount (for side bracket mounting to Ø 5" to Ø 10" poles)	BZ Bronze	277	LG Colored Green
	FM Medium Flood	H070T6 70W T6 G12		O Outrigger Mount	SV Silver	347	LB Colored Blue
	HN Horizontal Narrow	Quartz Halogen	Lamp Color not applicable (Leave blank to include specified lamp)	1 Single Pole Top	SP Specify RAL #		LY Colored Yellow
	HM Horizontal Medium	Q035 ³ 35W QT GY6.35 12V		2 Double Pole Top			RL Ring Louver Internal
	VN Vertical Narrow	Q050 ³ 50W QT GY6.35 12V		3 Triple Pole Top			DF Dichroic Filter (consult factory for details)
	VM Vertical Medium	Q075 ³ 70W QT GY6.35 12V		4 Quad Pole Top			
		Q090 ³ 90W QT GY6.35 12V	NOL Lamp not included	Y Yoke Mount (for remote ballast and halogen lamps only)			
	SW Wide Spot	Compact Fluorescent	830 3000°K				Options RB Remote Ballast (for "Y" mounting only) RLX Ring Louver ⁵ External S18 Snoot 180° ⁵ S36 Snoot 360° ⁵ WG Wire Guard ⁵ SLR Field Rotatable Spread Lens
	FW Wide Flood	1F13 13W GX24q-1					
	HW Horizontal Wide	1F18 18W GX24q-2	NOL Lamp not included				
	VW Vertical Wide						
	SP 10° Spot	Halogen	Lamp Color not applicable (Leave blank to include specified lamp)				
	WS 12° Spot	060PAR38 ^{1,2} 60W PAR38					
	FL 25° Spot	080PAR38 ^{1,2} 80W PAR38					
	WF 60° Wide Flood	120PAR38 ^{1,2} 120W PAR38					
	SP 15° Spot	Ceramic Metal Halide	830 3000°K				
	FL 25° Spot	070PAR38 70W PAR38					
	WF 60° Wide Flood	100PAR38 100W PAR38					

¹supplied with "Y" mounting only

²120V only

³not available in 347V

⁴Quartz Halogen only

⁵RLX, S18, S36 and WG cannot be combined, consult factory if so desired.

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PR020_1206_SSV1.0 p.1

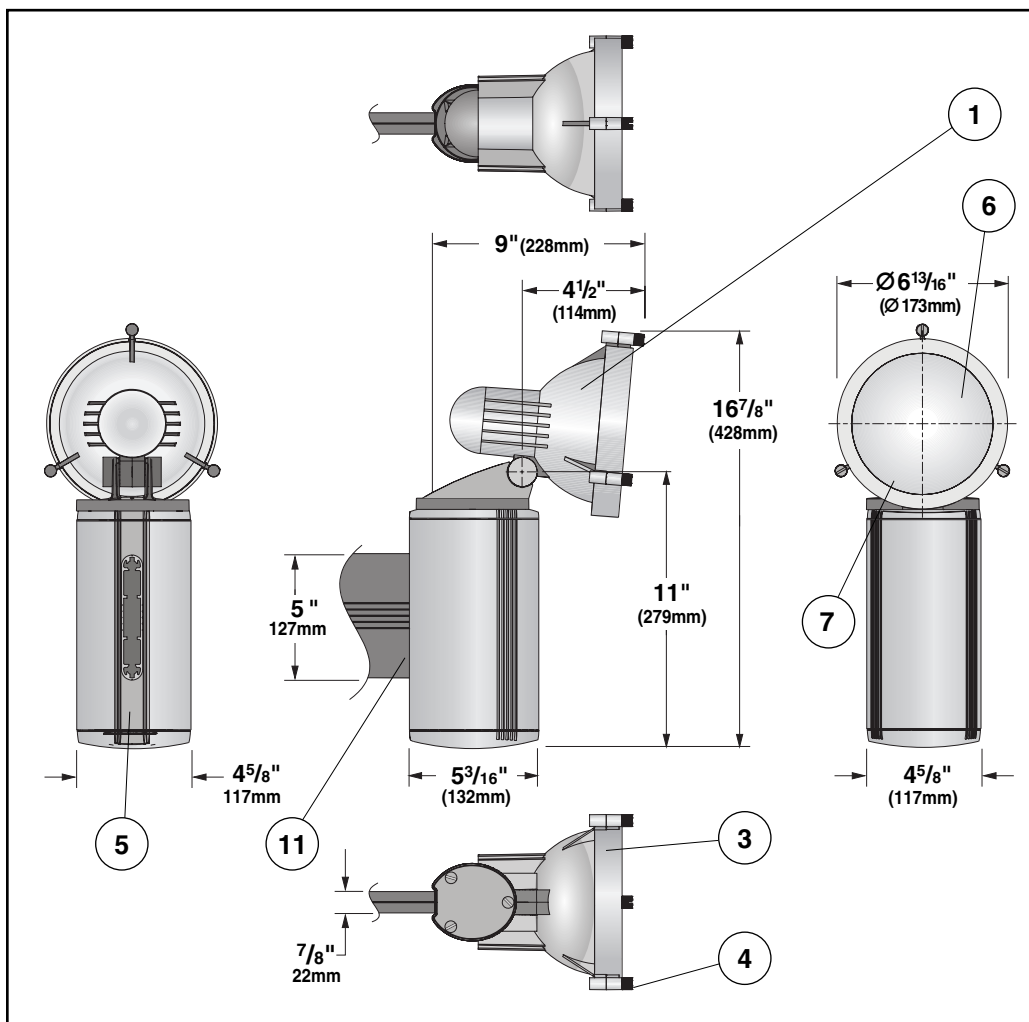
IP 67 Certified



Union Made Affiliated
with IBEW Local 363

In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.com/usa are the most recent versions and supercede all other printed or electronic versions.

PRO20 (w/Integral Ballast) 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 - (not shown) Die-cut high strength silicone gasket between ballast housing and cover, and continuous silicone gasket between fixture housing and lens base provide weather-proofing, 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. 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 -

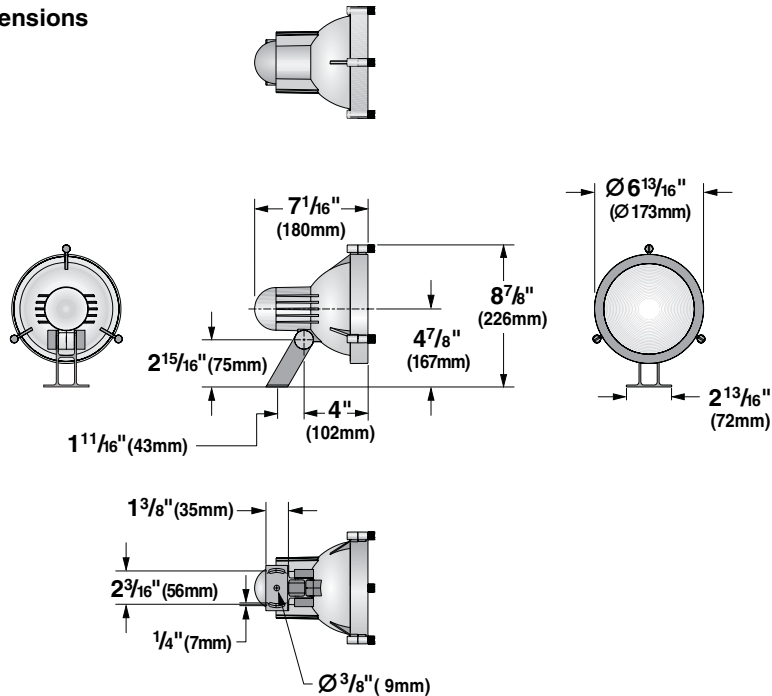
SELUX utilizes a high quality Polyester Powder Coating. All SELUX luminaires and poles undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. SELUX powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance 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)

PR020 - - - - Y

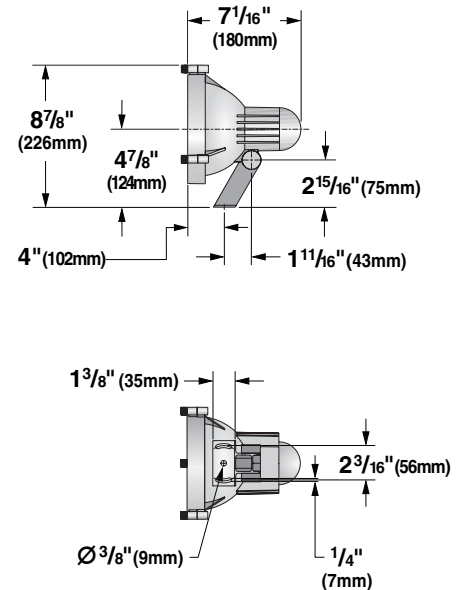
Dimensions



SCALE 1 : 12

PR020 - - - - Y

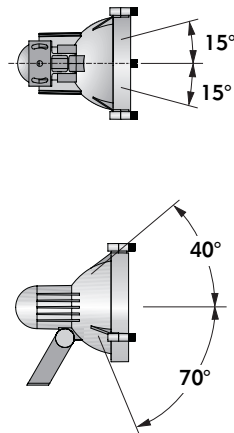
Alternate Orientation Dimensions



SCALE 1 : 12

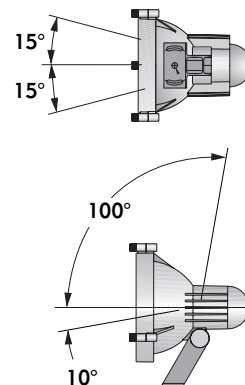
PR020 - - - - Y

Lateral and Vertical Rotation



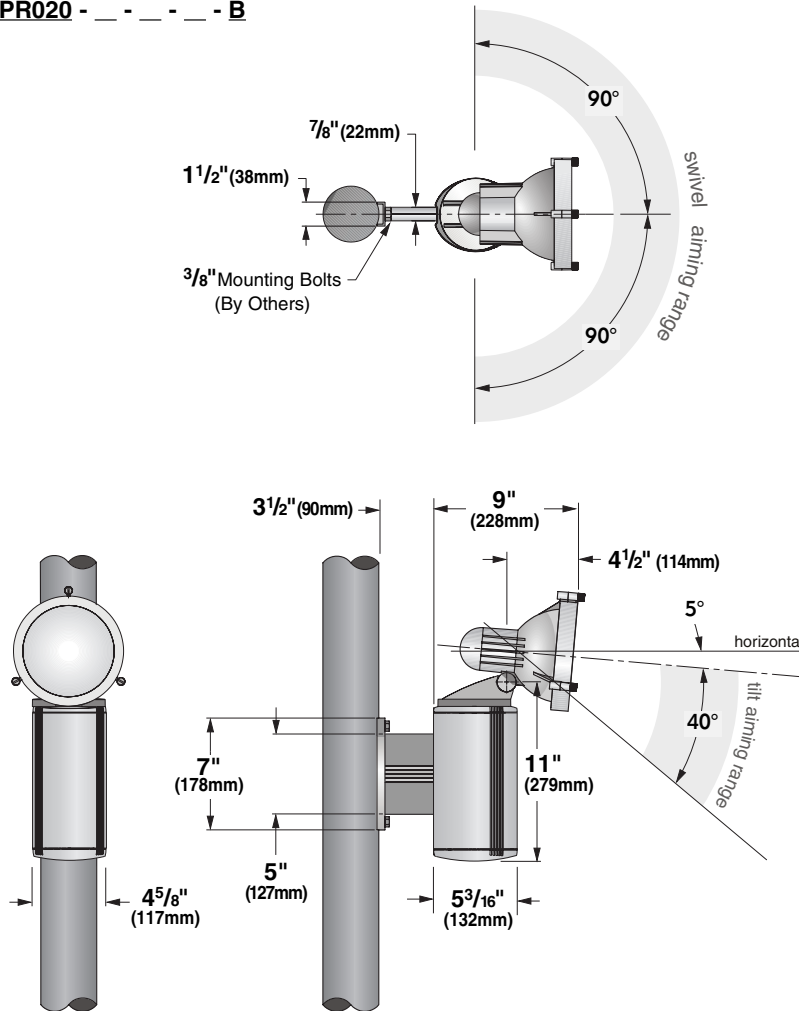
PR020 - - - - Y

Alternate Orientation Lateral and Vertical Rotation



Bracket Mounting (B)

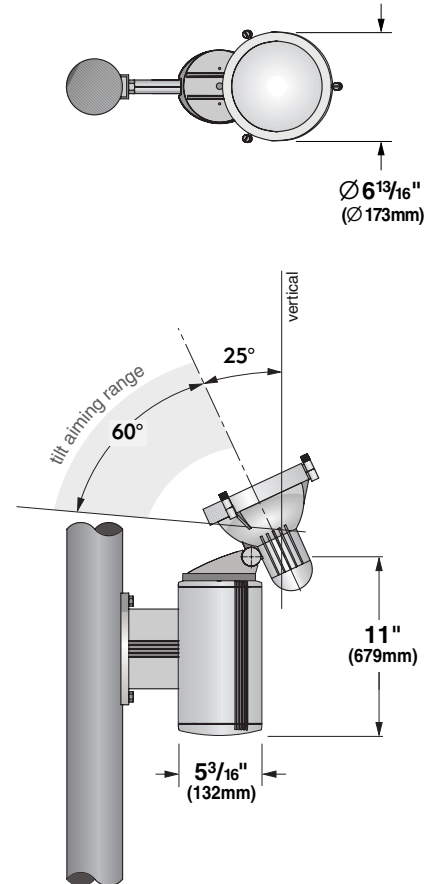
PR020 - - - - B



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PR020 - - - - B

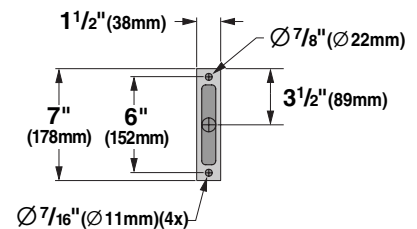
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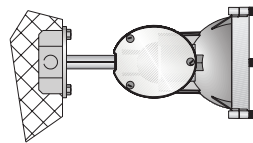
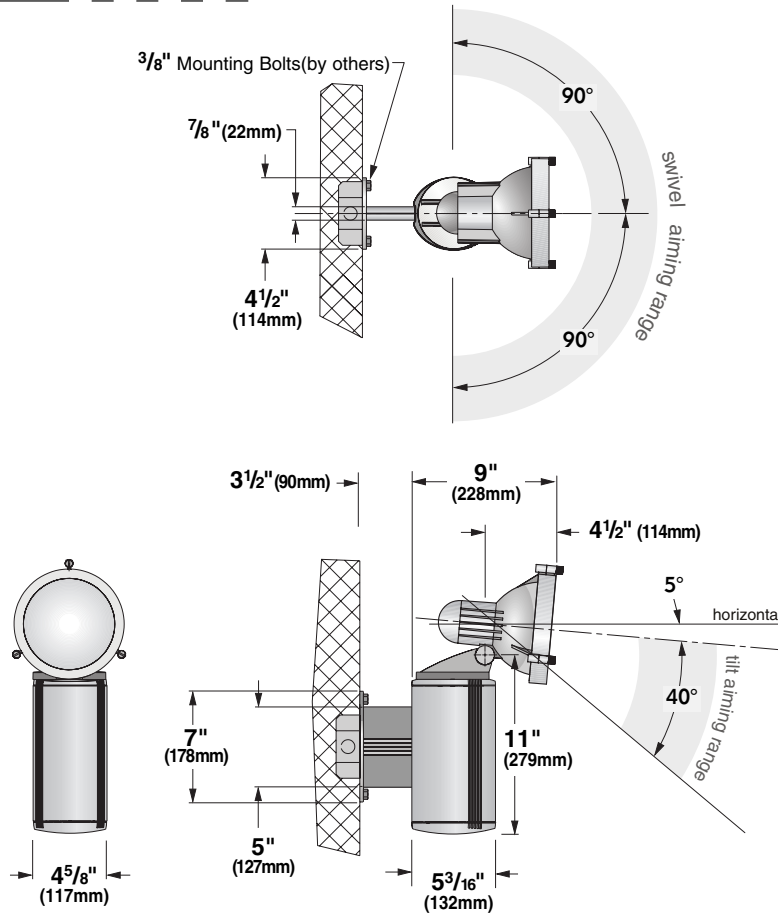
PR020 - - - - B

Arm Mounting Plate



Wall Mounting (W)

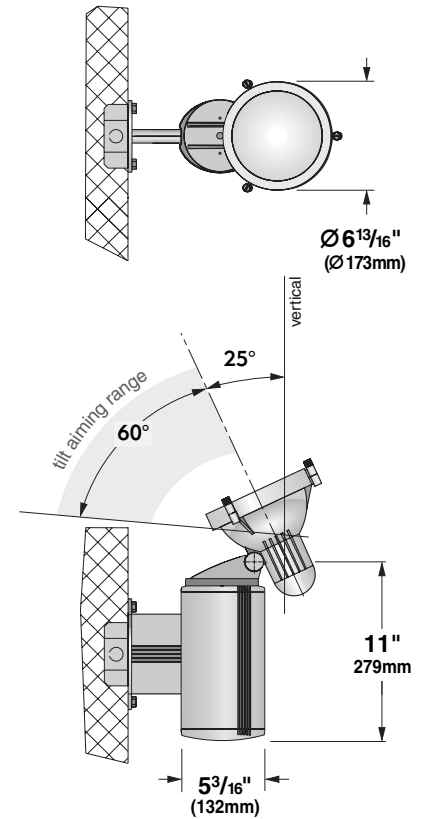
PR020 - - - - - W



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PR020 - - - - - W

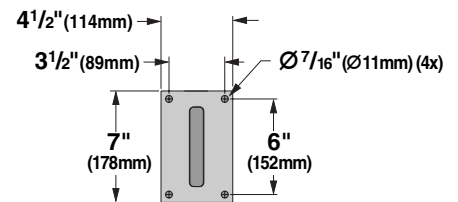
Alternate Orientation



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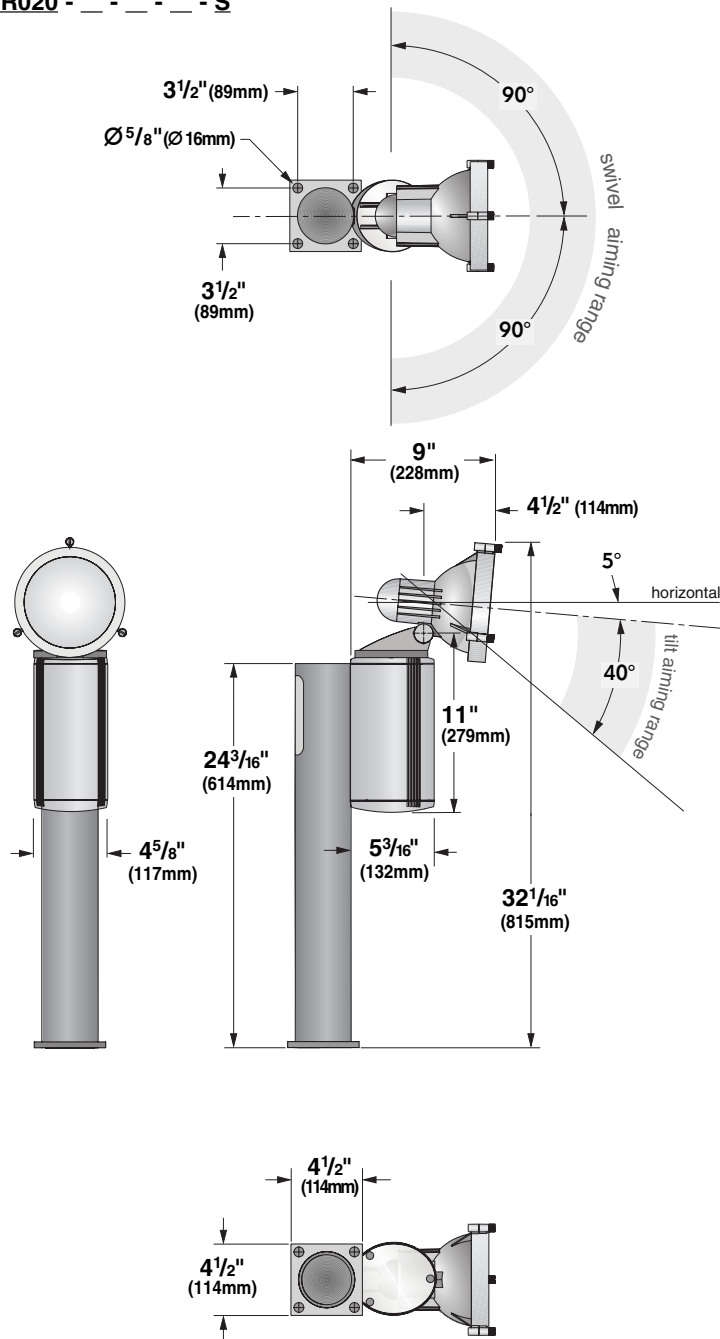
PR020 - - - - - W

Arm Mounting Plate



Stake Mounting (S)

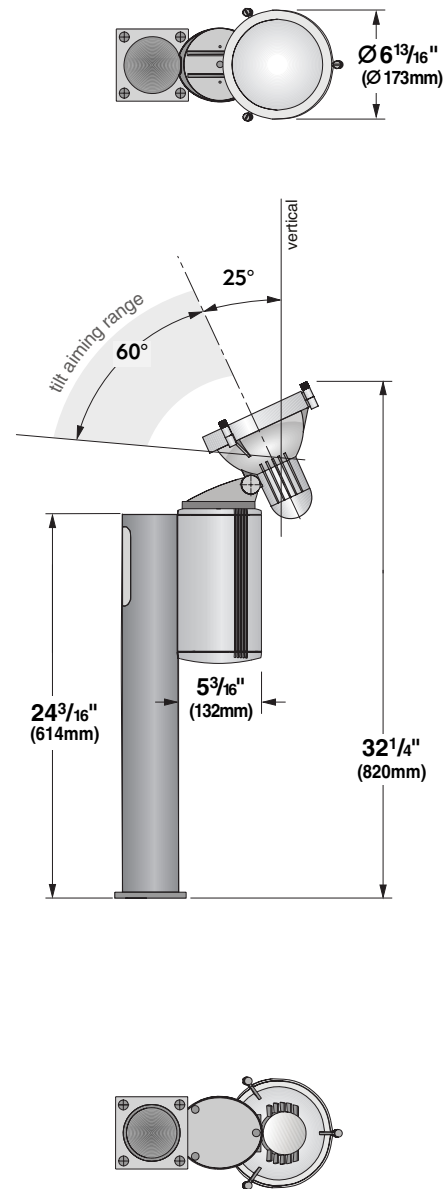
PR020 - - - - S



SCALE 1 : 12

PR020 - - - - S

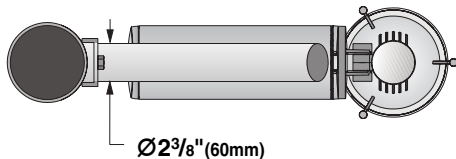
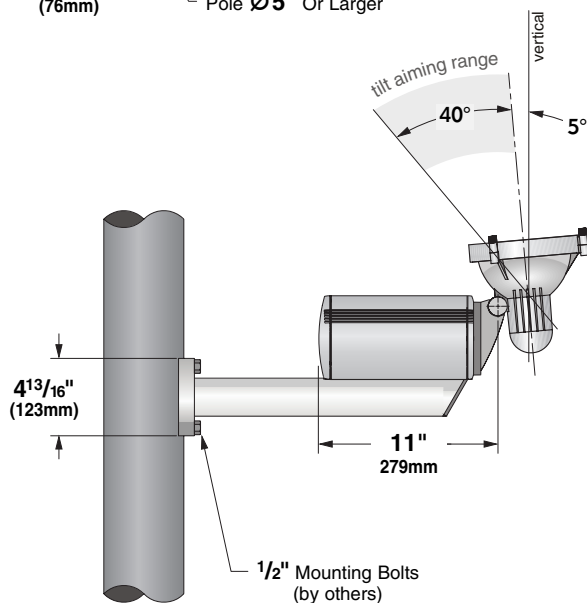
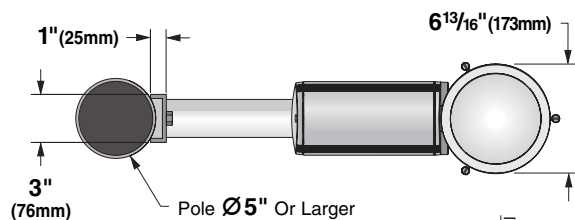
Alternate Orientation



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Outrigger Mounting (O)

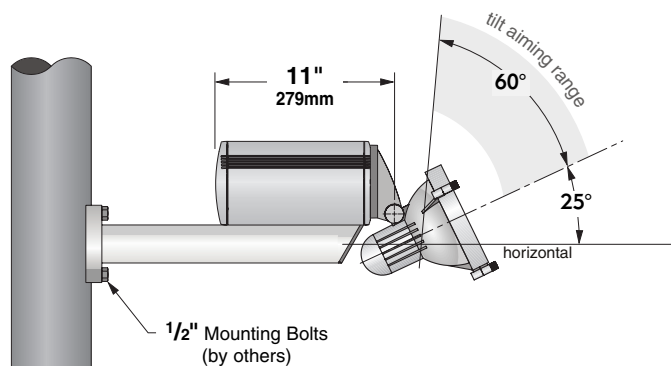
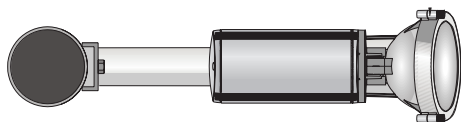
PR020 - _ _ _ _ - O



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PR020 - _ _ _ _ - O

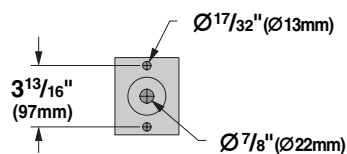
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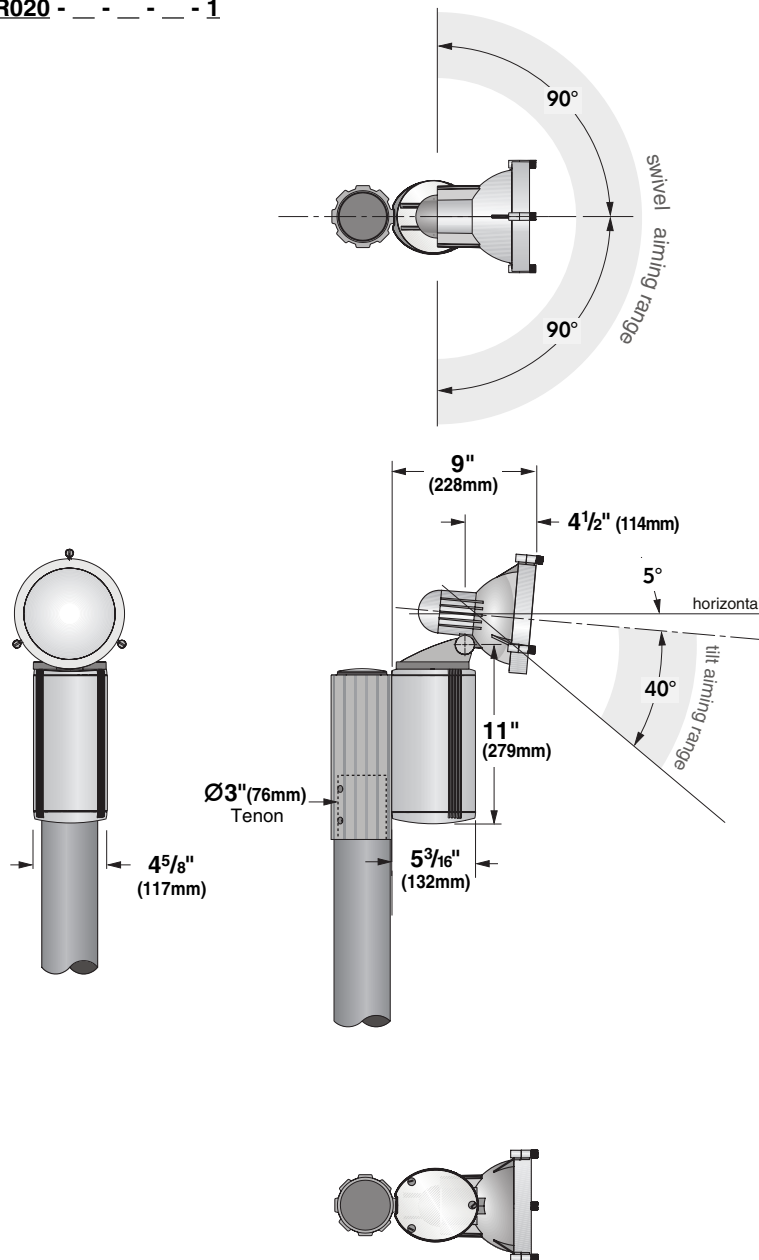
PR020 - _ _ _ _ - O

Outrigger Mounting Plate



Single Pole Mounting (1)

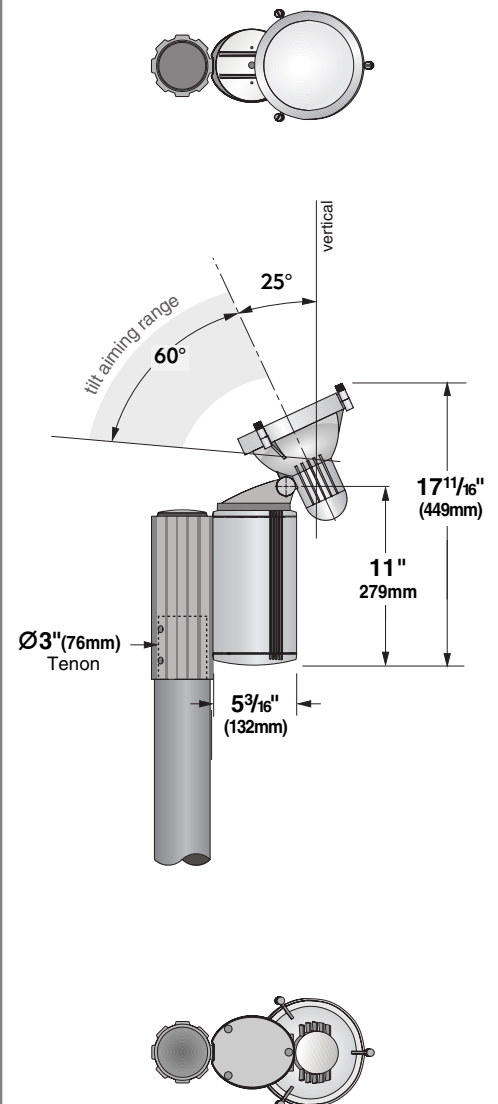
PR020 - - - - 1



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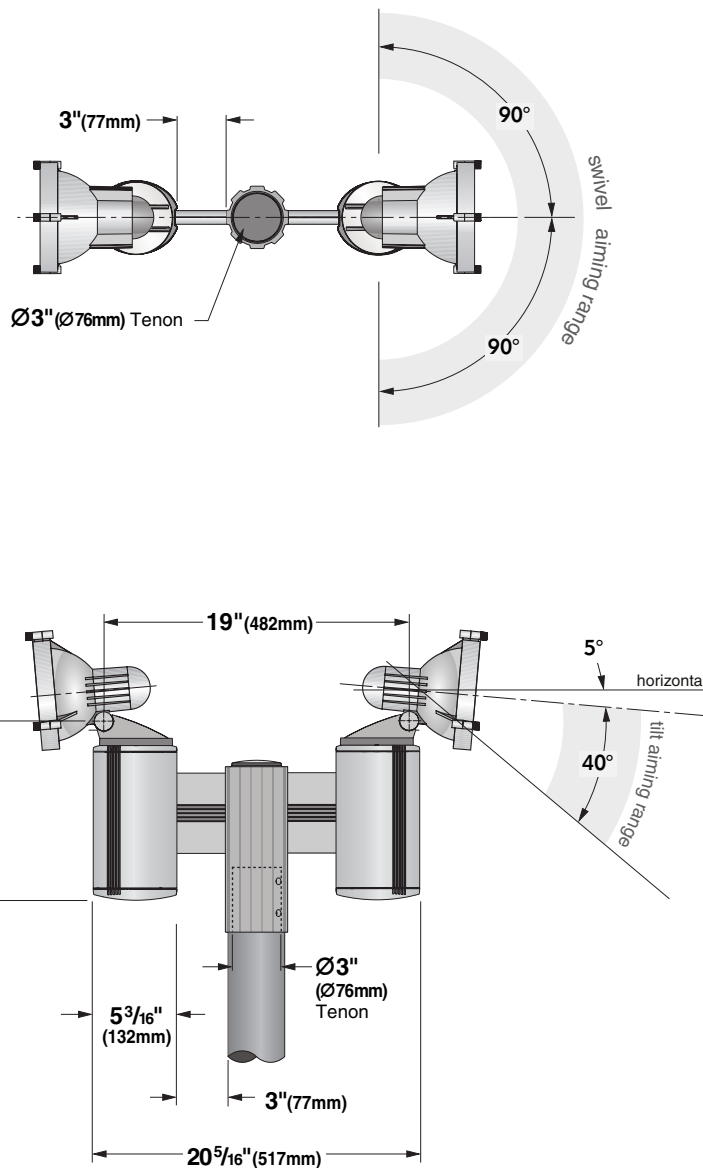
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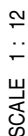
Double Pole Mounting (2)

PR020 - _ - _ - _ - 2



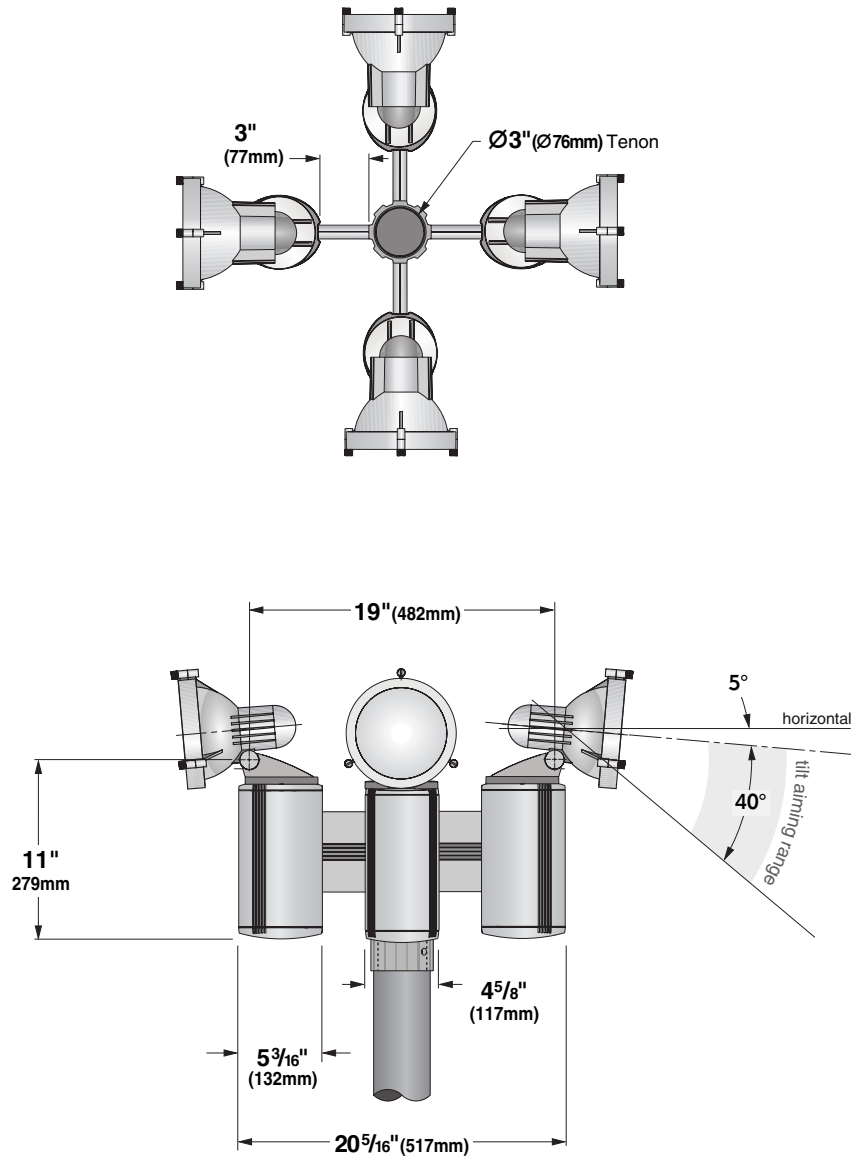
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PR020 - - - - 3



Quad Pole Mounting (4)

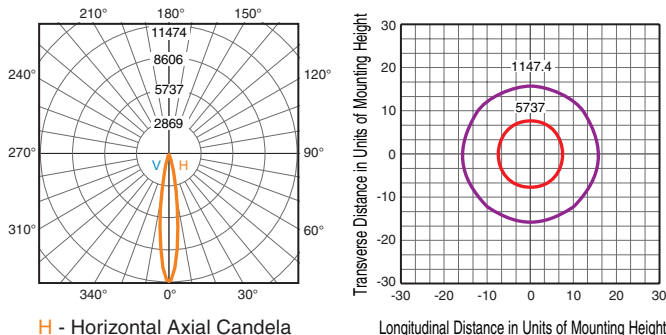
PR020 - - - - 4



SCALE 1 : 12

35W T6 Ceramic Metal Halide / Medium Spot / Internal Ring Louver

Catalog # PR020-SM-H035T6-RL
Report # LM-63-1995

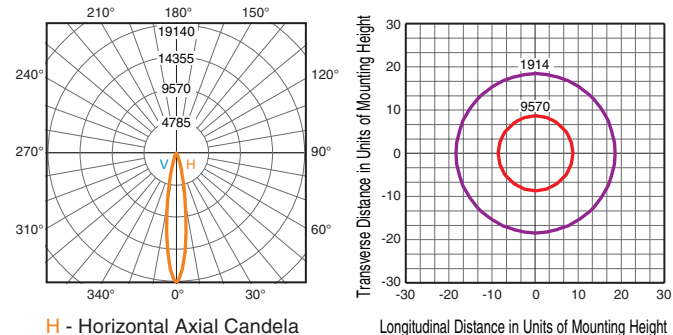


Maximum Candela = 11474
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 5737)
H = 15.9° V = 15.9°
■ **Field Angles**
(10% max. candela = 1147.4)
H = 32.6° V = 32.6°
NEMA Class 3H x 3V

70W T6 Ceramic Metal Halide / Medium Spot / Internal Ring Louver

Catalog # PR020-SM-H070T6-RL
Report # LM-63-1995

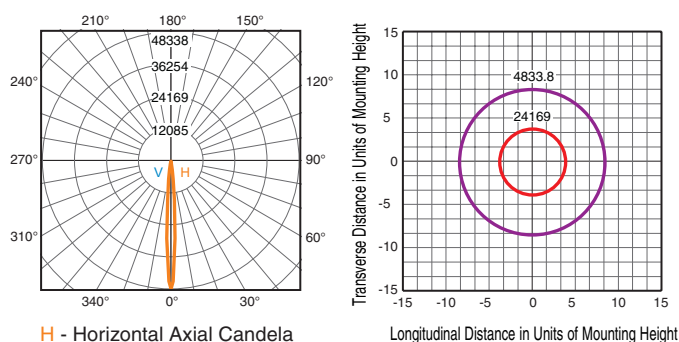


Maximum Candela = 52120
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 26060)
H = 5.6° V = 5.6°
■ **Field Angles**
(10% max. candela = 5212)
H = 12.4° V = 12.4°
NEMA Class 1H x 1V

35W T6 Ceramic Metal Halide / Narrow Spot / Internal Ring Louver

Catalog # PR020-SN-H035T6-RL
Report # LM-63-1995

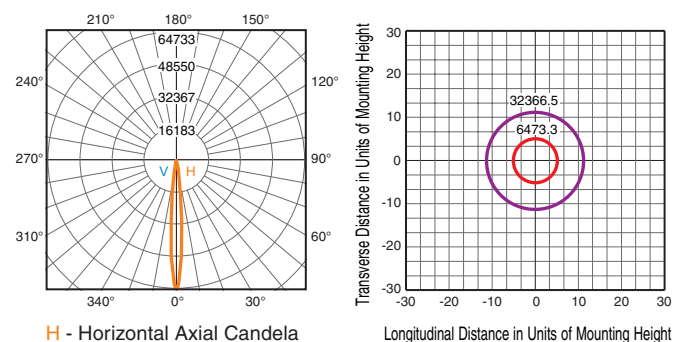


Maximum Candela = 48338
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 24169)
H = 7.4° V = 7.4°
■ **Field Angles**
(10% max. candela = 4833.8)
H = 16.2° V = 16.2°
NEMA Class 1H x 1V

70W T6 Ceramic Metal Halide / Narrow Spot / Internal Ring Louver

Catalog # PR020-SN-H070T6-RL
Report # LM-63-1995

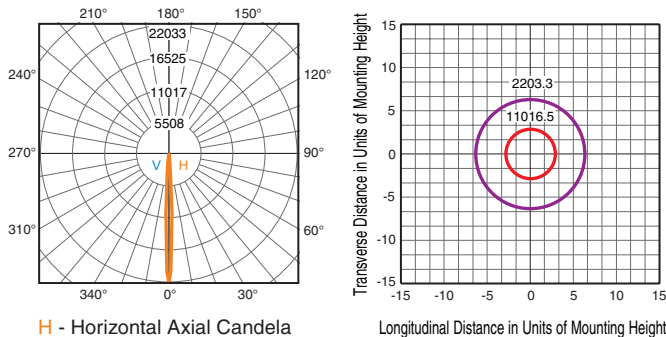


Maximum Candela = 64733
located at:
Horizontal angle = 0°
Vertical angle = 0°

■ **Beam Angles**
(50% max. candela = 32366.5)
H = 9.5° V = 9.5°
■ **Field Angles**
(10% max. candela = 6473.3)
H = 21.2° V = 21.2°
NEMA Class 2H x 2V

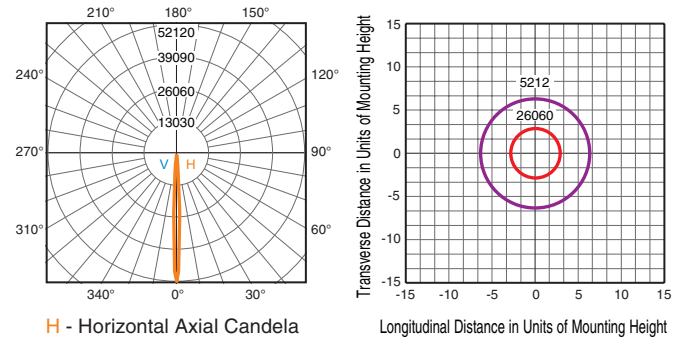
50W Quartz Halogen / Narrow Spot / Internal Ring Louver

Catalog # PR020-SN-Q050-RL
Report # LM-63-1995



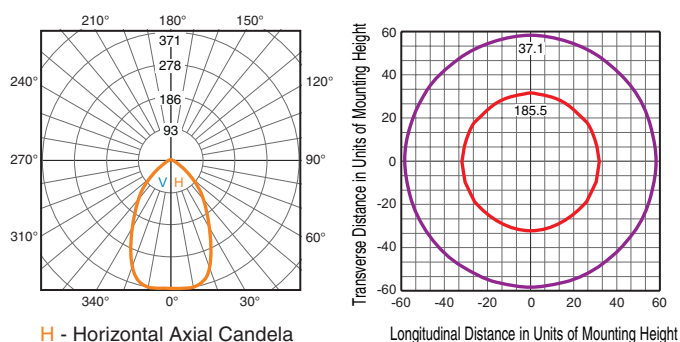
100W Quartz Halogen / Narrow Spot / Internal Ring Louver

Catalog # PR020-SN-Q090-RL
Report # LM-63-1995



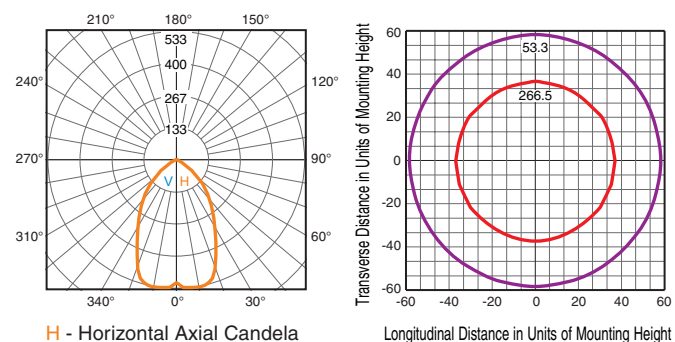
13W T4 Dulux T/E Compact Fluorescent / Wide Spot

Catalog # PR020-SW-1F13
Report # LM-63-1995



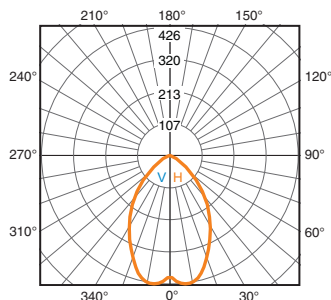
18W T4 Dulux T/E Compact Fluorescent / Wide Spot

Catalog # PR020-SW-1F18
Report # LM-63-1995



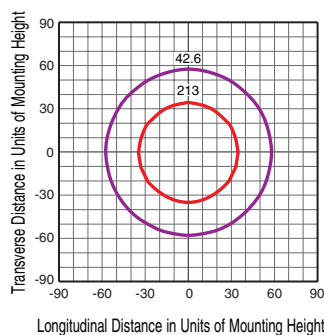
18W T4 Dulux T/E Compact Fluorescent / Wide Spot

Catalog # PR020-SW-1F18-RL
Report # LM-63-1995



H - Horizontal Axial Candela
V - Vertical Axial Candela

Maximum Candela = 426
located at:
Horizontal angle = -9°
Vertical angle = -1°



■ Beam Angles

(50% max. candela = 213)
H = 72.6° V = 70.9°

■ Field Angles

(10% max. candela = 42.6)
H = 120.9° V = 120.2°
NEMA Class 6H x 6V

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
PR020 - SW - 1F18 - RL	6	6	426	-9°	-1°	72.6°	70.9°	120.9°	120.2°	32.28%	50.00%	53.10%
PR020 - SW - 1F13	6	6	371	-9°	-1°	68.8°	66.4°	117.4°	116.0°	34.18%	55.03%	59.15%
PR020 - SW - 1F18	6	6	533	-11°	-3°	68.9°	65.9°	119.1°	117.8°	37.27%	60.14%	64.47%
PR020 - SN - H035T6 - RL	1	1	48338	0°	0°	7.4°	7.4°	16.2°	16.2°	11.37%	28.78%	39.42%
PR020 - SM - H035T6 - RL	3	3	11474	0°	0°	15.9°	15.9°	32.6°	32.6°	13.78%	30.55%	36.29%
PR020 - SN - H070T6 - RL	2	2	64733	0°	0°	9.5°	9.5°	21.2°	21.2°	16.60%	33.75%	48.18%
PR020 - SM - H070T6 - RL	3	3	19140	0°	0°	17.2°	17.2°	36.7°	36.7°	14.88%	30.54%	37.59%
PR020 - SN - Q050 - RL	1	1	22033	0°	0°	5.6°	5.6°	12.4°	12.4°	10.25%	27.41%	41.72%
PR020 - SN - Q090 - RL	1	1	52120	0°	0°	5.6°	5.6°	12.4°	12.4°	10.25%	27.41%	41.72%

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)
060PAR38	60 Watt	PAR38		Medium				850				3,000
060PAR38	60 Watt	PAR38		Medium				850				3,000
060PAR38	60 Watt	PAR38		Medium				850				3,000
060PAR38	60 Watt	PAR38		Medium				850				3,000
070PAR38	70 Watt	PAR38	Universal	Medium		830	M139/O	4300		85	3000	10,000
070PAR38	70 Watt	PAR38	Universal	Medium		830	M139/O	4300		85	3000	10,000
070PAR38	70 Watt	PAR38	Universal	Medium		830	M139/O	4300		85	3000	10,000
080PAR38	80 Watt	PAR38		Medium				1500				3,000
080PAR38	80 Watt	PAR38		Medium				1500				3,000
100PAR38	100 Watt	PAR38	Universal	Medium		830	M139/O	6500		85	3000	12,000
100PAR38	100 Watt	PAR38	Universal	Medium		830	M139/O	6500		85	3000	12,000
100PAR38	100 Watt	PAR38	Universal	Medium		830	M139/O	6500		85	3000	12,000
120PAR38	120 Watt	PAR38		Medium				1800				3,000
120PAR38	120 Watt	PAR38		Medium				1800				3,000
120PAR38	120 Watt	PAR38		Medium				1800				3,000
120PAR38	120 Watt	PAR38		Medium				1800				3,000
1F13	13 Watt	T4	Universal	GX24q-1		830		900	774	82	3000	12,000
1F18	18 Watt	T4	Universal	GX24q-2		830		1200	1032	82	3000	12,000
H035T6	39 Watt	T6	Universal	G12	Clear	830	M130/E	3400	2720	82	3000	9,000
H070T6	70 Watt	T6	Universal	G12	Clear	830	M139/E	6600	5200	82	3000	12,000
Q035	35 Watt	T4	Universal	GY6.35	Clear	N/A	N/A	600				4,000
Q050	50 Watt	T4	Universal	GY6.35	Clear	N/A	N/A	910				4,000
Q075	75 Watt	T4	Universal	GY6.35	Clear	N/A	N/A	1450				4,000
Q090	90 Watt	T4	Universal	GY6.35	Clear	N/A	N/A	1800				4,000

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.