

# Challenger (SFC)

### Challenger Specification

Challenger features an improved advanced design lightweight, compact, NEMA heavy duty, wide beam floodlight. Available in 70 to 400 watt mogul base high pressure sodium lamp, 175 to 400 watt mogul base metal halide lamp. Available with (specify) 120, 208, 240, 277, 480 volt or 4MT (120, 208, 240, 277V) 60Hz ballast. The floodlight shall be completely pre-wired and factory assembled.

### Basic Product Description

One piece cast aluminum ballast housing, lamp housing, and wiring compartment. Floodlight is finished in all weather bronze polyester powder coating. Floodlight shall include a weatherproof strain relief bushing, sturdy two hole mounting yoke formed of high strength non-corrosive aluminum. Adjustable knuckle 2" pipe (2 3/8" O.D.) mounting. All stainless steel hardware. The tempered clear glass lens is thermal shock and impact resistant.

### Ballast Characteristics

The floodlight shall contain a U.L. recognized High Power Factor ballast and start and operate the lamp down to -20oF (-30oC) for metal halide and -40oF (-40oC) for high pressure sodium. Mercury vapor lamps may be used in 175 and 250 watt metal halide fixtures. For availability of 220/240V 50Hz ballasts - consult factory.

### Reflector Assembly

Die cast hinged lens frame with silicone gasket provides easy front access to lamp. A precision formed anodized finished reflector provides wide beam distribution.

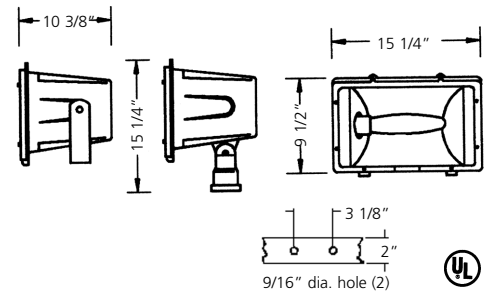
### Suggested Applications

General area, parking lot and security lighting.



Suitable for wet locations  
Lamp included

Effective Projected Area  
EPA = 1.1 SQ. FT.  
WEIGHT = 27-30 lbs



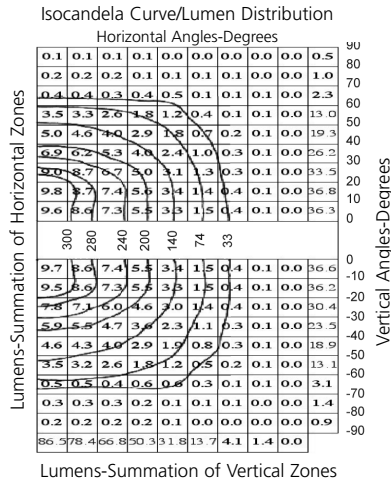
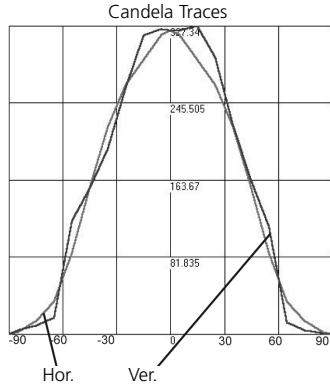
Accessories/Mounting Brackets, see Accessory Page

Ordering Example						
Unit	Wattage	Photometrics	Mounting	Lamp Style	Voltage	Ballast Sstyle
SFC	3	7	1	H	208	H
Challenger	0 - 70 1 - 100 2 - 150 3 - 175 4 - 250 6 - 400* 200 - 200PS 320 - 320PS* 350 - 350PS* 400 - 400PS*	7 - Wide Beam	1-Yoke Mount 4-Knuckle Mount (factory installed)	H - Metal Halide LS - High Pressure Sodium	120 208 240 277 480 4MT- (120, 208, 240, 277V) LB - Less Ballast**	H - High Power Factor
			<b>Accessories</b>			
			<b>V</b>			
			V - Visor			
			LS - Lamp Support			
			SIF - Single Inline Fuse (120, 277v)			
			DIF - Double Inline Fuse (208, 240, 480v)			
			FB - Filter Breather			
			PL - Vandal Resistant Polycarbonate Shield			
			SC - Stainless Steel Safety Cable			
			RPC - Factory Wired Twist Lock Photocell Receptacle Only			
			PE - Twist Lock Photocell			
			3/16/350 - 3 ft. cord. for other length change 3' to length desired			
			D - Deflectors, left or right side			
			G - Wire Guard			
			SSG - Stainless Steel Wire Guard			
			UP - For aiming above horizontal			
			*ED-28 shape lamp			
			**Consult factory			
			CSA Certification - consult factory.			



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## Photometrics

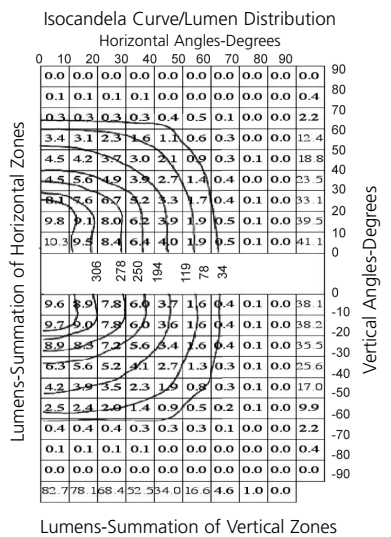
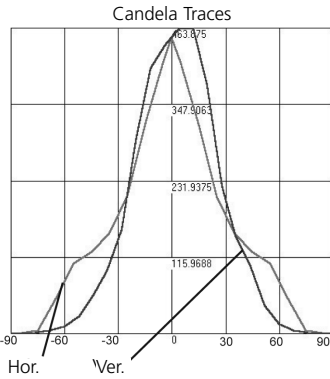


Fixture: SFC-671LS  
 Lamp: 400 Watt Clear High Pressure Sodium

IES Type: 7H X 6V  
 Max Candela: 327  
 Hor Field Angle (10%): 131.7 deg  
 Ver Field Angle (10%): 126.5 deg  
 Field Lumens: 637  
 Field Efficiency: 63.7%  
 Total Lumens: 663  
 Total Efficiency: 66.3%

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens



Fixture: SFC-671H  
 Lamp: 400 Watt Clear Metal Halide

IES Type: 7H X 6V  
 Max Candela: 343  
 Hor Field Angle (10%): 130.9 deg  
 Ver Field Angle (10%): 124.6 deg  
 Field Lumens: 660  
 Field Efficiency: 66.0%  
 Total Lumens: 681  
 Total Efficiency: 68.1%

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens