Project: | Type: | Date: | Notes:

Selectable Area Light
JAGS-LED



(Shown with Direct Mount for Round/Square Poles. Mounting Arms are Sold Seperately)

The JAGS-LED is an exceptionally versatile lighting fixture, featuring field-adjustable beam distribution, high efficiency, and advanced controls to optimize lighting layouts for any area light application. Additionally, the standard fixture includes selectable features such as colour selection, wattage selection, and a wide voltage range of 120-347V, making it one of the most feature-rich area lights available on the market.

IDEAL APPLICATIONS

- Commercial Plazas
- Dealerships
- Schools and Campuses
- Parking Lots
- Transit Stations
- Pathways
- Perimeter Lighting

SPECIFICATIONS

	JAG1S-LED100A60	JAG1S-LED150A100	JAG2S-LED240A180	JAG2S-LED300A240	JAG3S-LED430A300
PERFORMANCE					
Light Output	16700/13400/10000 lm	25000/20000/16700 lm	38400/33600/28800 lm	48000/43200/38400 lm	65000/52900/45400 lm
Efficacy	167 lm/W		160 lm/W		151 lm/W
CCT	CCT Selectable - 3000K/4000K/5000K				
Beam Distribution	Variable Distribution - VD1 (Type III/Type IV/Type V); VD2 (Type II/Type III/Type IV) (Optional) Adjust beam distribution effortlessly using a switch—no need to swap or reorient optics.				
LED Lifetime (L85)	100,000 Hours				
CRI	84				
ELECTRICAL					
Wattage	100/80/60 W	150/120/100 W	240/210/180 W	300/270/240 W	430/350/300 W
Voltage	120-347 V				
Surge Protection	6 kV Internal & 10 kV External per UL1449				
Power Factor	0.99				
THD	4.5%	4.4%	3.1%	2.8%	2.3%
Dimming	0-10 V (0-100% Dim to Off)				
Replaces Up to	250W MH	400W MH	600W MH	750W MH	1000W MH
Cable Specs	Input Power: 3 ft long (SOOW, 600V, 3x18 AWG), Dimming: 3 ft long (SJOW, 300V, 2x18 AWG)				
AMBIENT OPERATING TEMPERATURE					
Fixture	-40°C to 50°C (-40°F to +122°F)				
CONSTRUCTION					
Paint	Weather and Corrosion-resistant polyester powder coat finish with 500 hours salt spray rating		**Housing**	Die-cast Aluminum	
Housing Finish	Bronze, Custom Colours		**Lens/Optics**	Polycarbonate	
FACTORY INSTALLED OPTIONS					
Smart Bluetooth Controls (using CONTROLLED mobile app), DHFS Motion Sensor, PBLS Control, Twist Lock Photocell, 3 PIN or 7 PIN Receptacle with Shorting Cap ANSI C136 compliant, 20 kV Surge Protection					
DEFAULT SETTINGS					
Highest Wattage, 4000K, VD1-Type III, VD2 - Type II					
CERTIFICATIONS					
cULus Certified as per UL 1598 & CSA C22.2, IP66, Wet Location, DLC Premium					
WEIGHT					
JAG1S: 4.8kg (10.6lbs)		**JAG2S:** 6.5kg (14.3lbs)		**JAG3S:** 8.3kg (18.4lbs)	

CONTROLLED

Note: - IP66 rating applies to standard configuration fixture or fixture with photocell

EPA (ft^2)									
	JAG1S	JAG1S (with HCO)	JAG1S (with SCO)	JAG2S	JAG2S (with HCO)	JAG2S (with SCO)	JAG3S	JAG3S (with HCO)	JAG3S (with SCO)
Tilt 0°	0.59	0.82	1.21	0.65	1.08	1.49	0.66	1.21	1.45
Tilt 45°	1.55	1.55	1.62	2.37	2.37	2.37	3.62	3.62	3.62
Tilt 90°	2.18	2.18	2.18	3.21	3.21	3.21	4.55	4.55	4.55

*EPA calculation includes both fixture and slipfitter mount

MAX AMPERAGE DRAW (A)					
	120V	208V	240V	277V	347V
LED100A60 (100W)	0.875	0.505	0.438	0.397	0.303
LED150A100 (150W)	1.313	0.757	0.656	0.569	0.454
LED240A180 (240W)	2.100	1.212	1.050	0.910	0.726
LED300A240 (300W)	2.625	1.514	1.313	1.137	0.908
LED430A300 (430W)	3.763	2.171	1.881	1.630	1.301

LUMEN MAINTENANCE			
	L90	L80	L70
JAGS-LED	68,000 Hours	>100,000 Hours	>100,000 Hours

Electrical and Light Performance data is based on LM79 test report at 4000K, Type IV and 120V. Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

ORDERING GUIDE

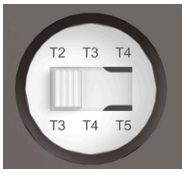
		H	VK			DIM		
Fixture	**Wattage**	**Voltage**	**Colour Temp.**	**Beam Distribution**	**Finish**	**Dimming**	**Controls**	**Surge Protection**
JAG1S	LED100A60 LED150A100	H - 120-347V	VK - CCT[a] Selectable (3000K/ 4000K/ 5000K)	VD1[a] Variable Distribution (Type III/Type IV/Type V) VD2 - Variable Distribution (Type II/Type III /Type IV)	BRZ[a] - Bronze CST - Custom Finish	DIM -[a] 0-10V Dimming	PC[e] - Integrated Photocontrol PBLS[b] - Photocell Beam Lumen Sensor DHFS[c] - Dimming High Frequency Motion Sensor BC - Bluetooth ControlLED 3PIN - 3PIN Receptacle 7PIN - 7PIN Receptacle TPC - Twist-lock Photocell Blank[d] - No Controls	SP10 - [a] 10kV Surge Protection SP20 - 20kV Surge Protection
JAG2S	LED240A180 LED300A240							
JAG3S	LED430A300							

a - Standard Configuration for all fixtures
b - One RC107 remote control is required for PBLS
c - One RC100 remote control is required for DHFS
d - Standard for JAG1S-LED100A60 and JAG2S
e - Standard and available only for JAG1S-LED150A100 (Bronze finish) and JAG3S

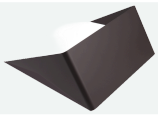
Note:
Super Durable paint finish with a 3000-hour salt spray resistance rating (per ASTM B117) & Dark Sky friendly configuration (2200K CCT) are available upon request. Please contact Customer Success for additional details.

STOCK CODES			
084100	JAG1S-LED100A60-H-VK-VD1-BRZ-DIM-SP10	**084191**	JAG1S-LED100A60-H-VK-VD1-BRZ-DIM-PBLS-SP10
084198	JAG1S-LED150A100-H-VK-VD1-BRZ-DIM-PC-SP10	**084197**	JAG1S-LED150A100-H-VK-VD1-BRZ-DIM-PBLS-SP10
084240	JAG2S-LED240A180-H-VK-VD1-BRZ-DIM-SP10	**084243**	JAG2S-LED240A180-H-VK-VD1-BRZ-DIM-PBLS-SP10
084300	JAG2S-LED300A240-H-VK-VD1-BRZ-DIM-SP10	**084303**	JAG2S-LED300A240-H-VK-VD1-BRZ-DIM-PBLS-SP10
086430	JAG3S-LED430A300-H-VK-VD1-BRZ-DIM-PC-SP10	**086433**	JAG3S-LED430A300-H-VK-VD1-BRZ-DIM-PBLS-SP10

NOTE:
- All fixture configurations with control options are rated IP65 or higher
- "**PBLS**" allows remote adjustment of the photocell, beam distribution, and lumen output.
- "**VD1**" offers selectable beam distribution options (Type III, Type IV, Type V).
- For **Type II** beam distribution, please order "**VD2**" (**Type II,** Type III, Type IV).
- The Beam Angle Switch has the following configurations:
  - VD1 - Please follow the markings on the **BOTTOM** row (T3/T4/T5)
  - VD2 - Please follow the markings on the **TOP** row (T2/T3/T4)



ACCESSORIES SOLD SEPARATELY

020010	DIRECT MOUNT F/RND & SQR POLE BRZ F/HELIX & JAG[1]		**020009**	SLIP FITTER BRZ F/HELIX & JAG	
020011	TRUNNION MOUNT BRZ F/HELIX & JAG		**002421**	JAG1S HOUSE CUTOFF SHIELD BRZ	
020052	YOKE MOUNT BRZ F/JAG1S		**002423**	JAG2S HOUSE CUTOFF SHIELD BRZ	
020053	YOKE MOUNT BRZ F/JAG2S		**002536**	JAG3S HOUSE CUTOFF SHIELD BRZ	
020077	YOKE MOUNT BRZ F/JAG3S		**002422**	JAG1S SIDE CUTOFF SHIELD BRZ	
087016	RC-100 MOTION SENSOR REMOTE CONTROL		**002424**	JAG2S SIDE CUTOFF SHIELD BRZ	
087034	RC-107 PHOTOCONTROL REMOTE CONTROL		**002537**	JAG3S SIDE CUTOFF SHIELD BRZ	
084215	BLUETOOTH 3-KEY AC LINE VOLTAGE WALL SWITCH 120-277VAC, 3-KEYS(ON/OFF, DIM+, DIM-)		**084633**	BLUETOOTH 5-KEY BATTERY POWERED WIRELESS WALL SWITCH & PLATE[2]	

[1]Direct mount adjustable from 0° to 30° (vertical tilt).
[2]Wireless Bluetooth module can also be used as a portable remote control.

PHOTOCELL/BEAM DISTRIBUTION/LUMEN SENSOR (PBLS)



PBLS Controller allows the Installer to adjust beam, brightness, and photocontrol settings using a remote control after installation.

SPECIFICATIONS	
INPUT POWER	LED INPUT : MAX . 250VDC 3A; SENSOR INPUT: 10-14VDC, >30MA
SINKING CURRENT	MAX. 25MA
CONTROL OUTPUT	0-10V OUTPUT SIGNALS
POWER CONSUMPTION	MAX.0.5W
OPERATE LEVEL	10-20LUX ON, 30-80LUX OFF
HUMIDITY	99%RH
OPERATING TEMPERATURE	-40°F to +122°F (-40°C to +50°C)

PHOTOCELL	BEAM	LUMEN
		
When the ambient light is above set lux values, fixture will not switch on. When the ambient light is below set lux values, fixture will switch on.	Adjust beam distribution between types III/IV/V (VD1) or II/III/IV (VD2)	Light levels can be dimmed up or down by increments of 10%. Light levels can be lowered to 50% after specified time period for improved energy savings.



RC107 REMOTE SPECIFICATIONS
(FOR PBLS CONTROLLER)

DEFAULT FACTORY SETTING	
TASK LIGHT LEVEL	100%
HOLD TIME	DISABLE
PHOTOCELL	LOW
CCT (BEAM DISTRIBUTION)	Type IV for VD1, Type III for VD2

FEATURES		
	**ON:** **OFF:** **RESET:** **REPEAT:**	Turn on the fixture, the brightness is according to the task level you set. Turn off the fixture, the fixture is permanently off. Task Light Level:100%; Hold Time: Disable; Photocell: Low; CCT/Beam: NW (Type IV for VD1), Type III (for VD2). Send the same setting to different fixtures installed.
	**DIM+:** **DIM-:**	With each push of the button, brightness increases by 10%. With each push of the button, brightness decreases by 10%;
	**Select the task brightness of the fixture as needed.**	
	**HOLD TIME:** **DISABLE:**	The "hold time" starts to count right after the fixture turns on. When the "hold time" is up, the fixture adjusts to 50% brightness until the light control turns the light fixture off. When you choose disabled, the fixture maintains the task light level
	**LOW:** **MIDDLE:** **HIGH:** **DISABLE:**	When the ambient lux is less than 30lux, the fixture turn on at the task level you set, when the ambient lux is more than 50lux, the fixture turns off. When the ambient lux is less than 80lux, the fixture turn on at the task level you set, when the ambientent lux is more than 100lux, the fixture turns off. When the ambient lux is less than 150lux, the fixture turn on at the task level you set, when the ambient lux is more than 180lux, the fixture turns off. Photoelectric switch disabled
	**Adjust Beam Distribution Setting:** For **VD1**: **WW** - Type III, **NW** - Type IV, **CW** - Type V, For **VD2**: **WW** - Type II, **NW** - Type III, **CW** - Type IV	

Note: Custom settings can be done based on requirements in the Factory.

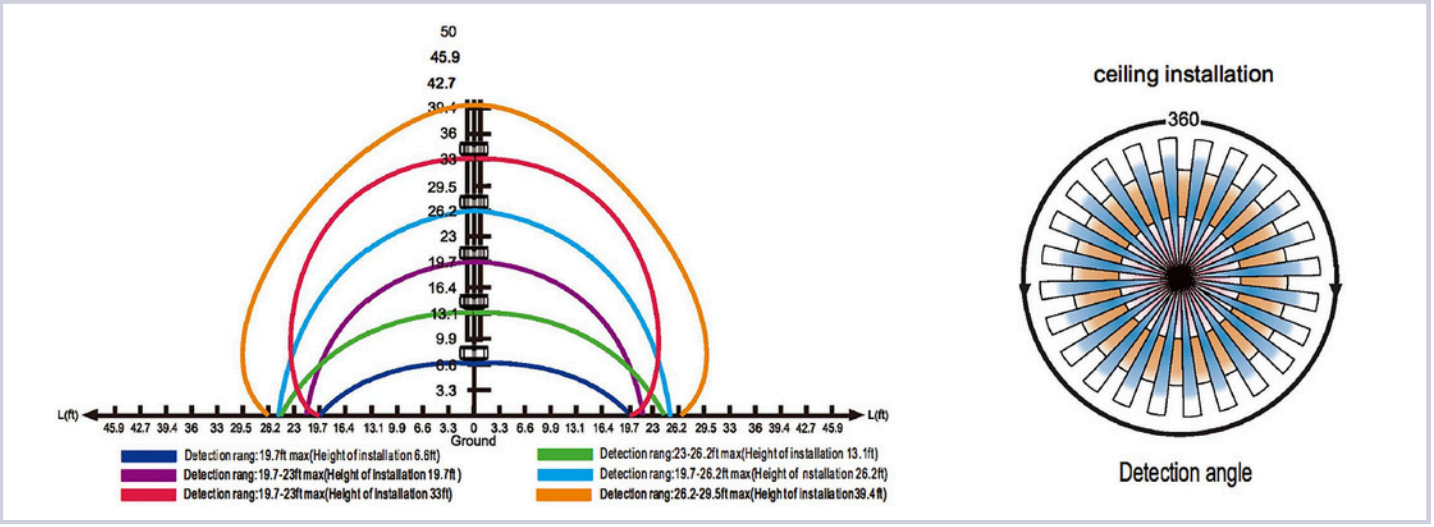
DIMMING HIGH FREQUENCY MOTION SENSOR (DHFS)



DHFS Microwave motion sensor offers a range of control features based on motion detection allowing the Installer to adjust the brightness of the fixture, hold time and daylight settings using a remote control after installation.

SPECIFICATIONS	
POWER SUPPLY	12V-24V DC
HIGH FREQUENCY SYSTEM	5.8GHZ +/-75MHZ
DIM CONTROL OUTPUT	0-10V, MAX. 25MA SINKING CURRENT
DETECTION RADIUS/ANGLE	MAX 26FT (8M)/360°
MOUNTING HEIGHT	MAX 40FT
REMOTE RANGE	50FT. (15M)
HUMIDITY	MAX. 95% RH
TEMPERATURE	-40°F - 158° F (-40°C- 70°C)

SENSOR COVERAGE



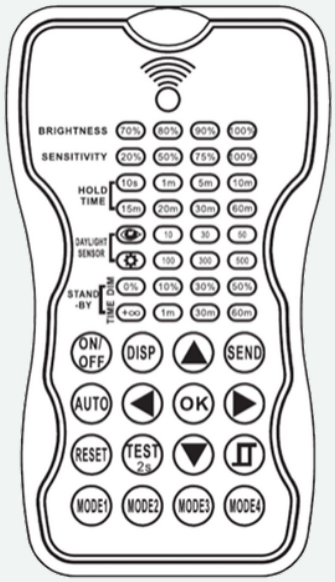
Refer to page 6 for more details on the DHFS Remote Control Usability

RC100 REMOTE SPECIFICATIONS
(FOR DHFS CONTROLLER)

DEFAULT FACTORY SETTING	
BRIGHTNESS	100%
SENSITIVITY	100%
HOLD TIME	5 MINS
DAYLIGHT SENSOR	☼
STAND-BY DIM	30%
STAND-BY TIME	60 MINS

RC100 REMOTE CONTROL SPECIFICATION	
POWER SUPPLY	2 x AAA 1.5V Batteries
COMMUNICATION PROTOCOL	940 nm IR Tx & Rx
COMMUNICATION RANGE	Up to 15m (50 ft)
OPERATING TEMP	0 °C to 50°C (32°F to 122°F)
DIMENSIONS	123x70x20.3mm (4.84”x2.76”x0.8”)

FEATURES



BRIGHTNESS:
Sets the highest light fixture brightness when motion is detected.

SENSITIVITY:
Sets the sensitivity to which the sensor will detect motion.

HOLD TIME:
The time the light fixture will remain at the brightness setting after it detects motion.

DAYLIGHT SENSOR:
The lux setting that the light fixture will turn on/off. If the ambient lux is more than the defined lux setting, the fixture & sensor function will turn off and remain off until the ambient lux is below the setting. To disable the lux sensor, select the SUN icon. To set the lux to match current room conditions, select the EYE icon.

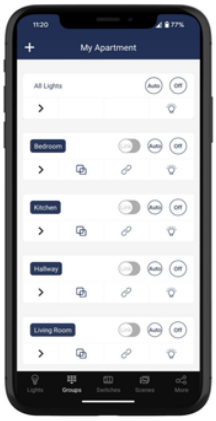
STAND-BY DIM:
The Dim level that the light fixture will dim down after the Hold Time has expired.
To disable dimming and only have ON/OFF, select the 0% icon.

STAND-BY TIME:
The time the light fixture will remain in the dim down state before it shuts off. To disable the light from shutting off, select the INFINITY icon.

CONTROLLED

ControlLED Network Lighting Controls (NLC) delivers secure, wireless lighting management with Bluetooth Mesh and the ControlLED App. Integrated sensors enable automatic adjustments for comfort, safety, and efficiency.

Maximum Bluetooth transmittance of 860ft between fixtures (unobstructed) and 200ft between user and any one fixture.



Organized Fields:
Create Zones and Groups



Dimming Lights:
Set dim level for groups or individual lights.



Scenes:
Create custom scenes for different scenarios.



Schedules:
Create custom schedules for recurring events.



Share Access:
Share access using QR codes.

BLUETOOTH CONTROL

FEATURES

- Bluetooth mesh network
- DLC - Networked Lighting Control (NLC) & Luminaire Level Lighting Control (LLLC)
- Group and Individual fixture dimming
- Scenes & Schedules

SPECIFICATIONS	
Input Voltage	12 VDC
Input Current	Min 150mA
Output Current	10mA Max.
Dimming	Class 2, 0-10 VDC
Bluetooth Transmit	860ft Max.
Radio Frequency	2.4GHz ±75MHz
Bluetooth Version	5.0

Get the App!

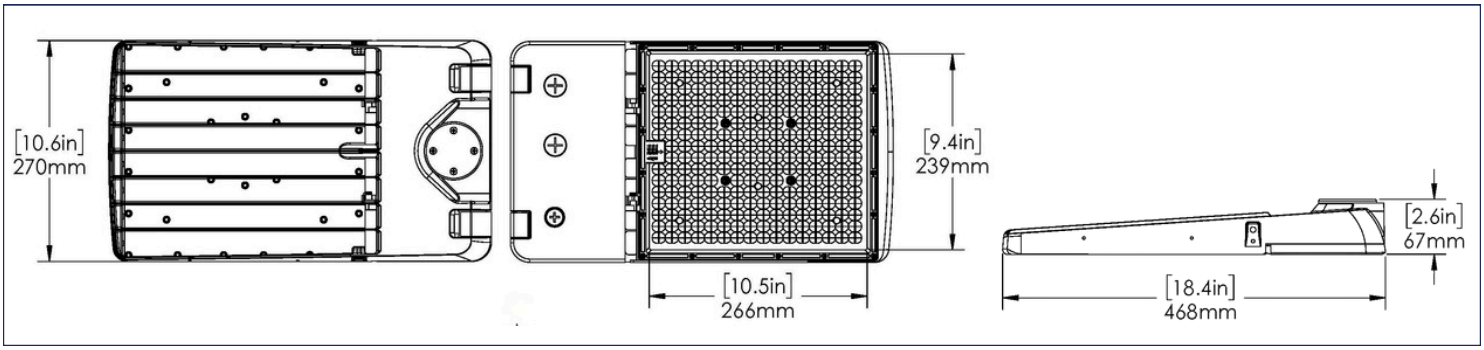
GET IT ON Google Play

Download on the App Store

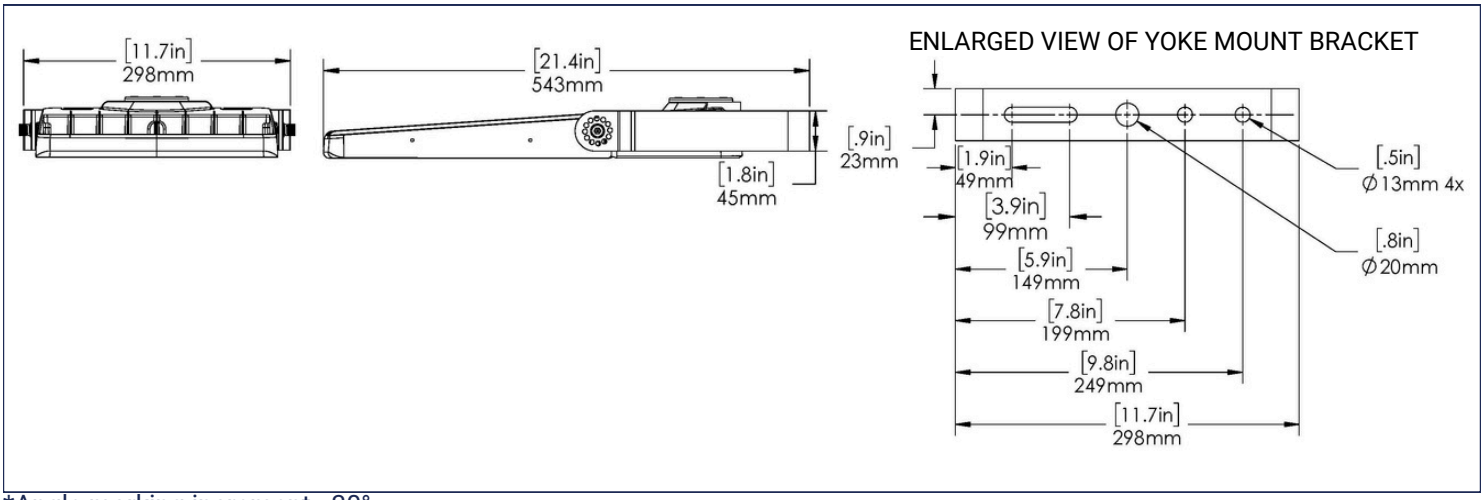
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JAG1S DIMENSIONS

JAG1S

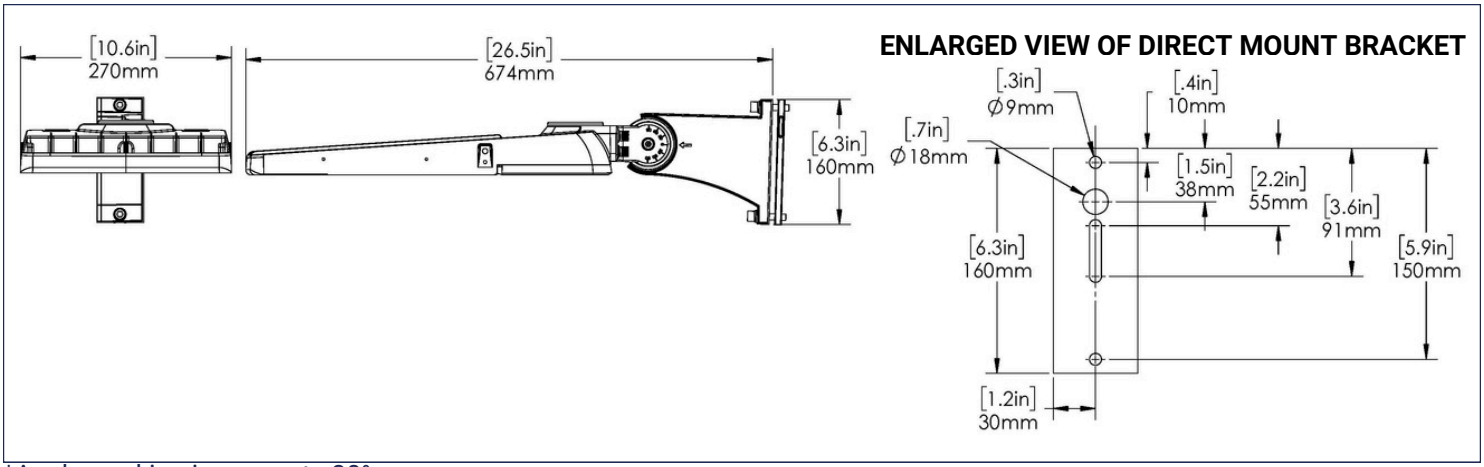


YOKE MOUNT



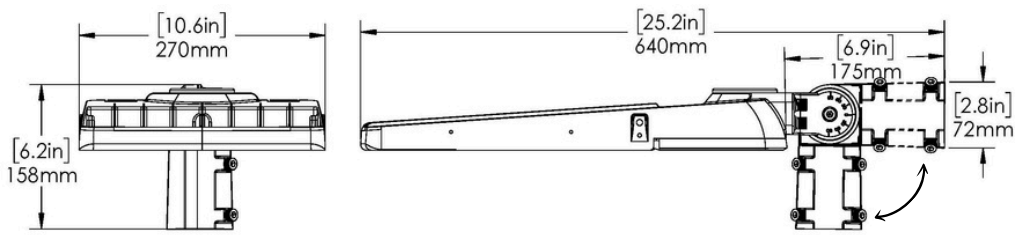
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DIRECT MOUNT

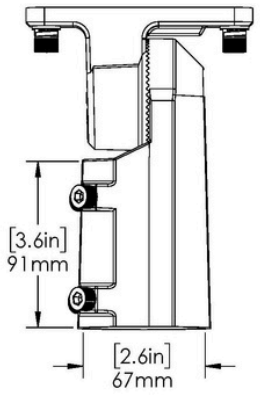


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SLIPFITTER



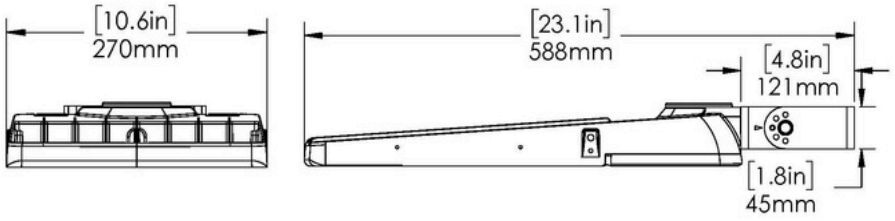
ENLARGED VIEW OF SLIPFITTER



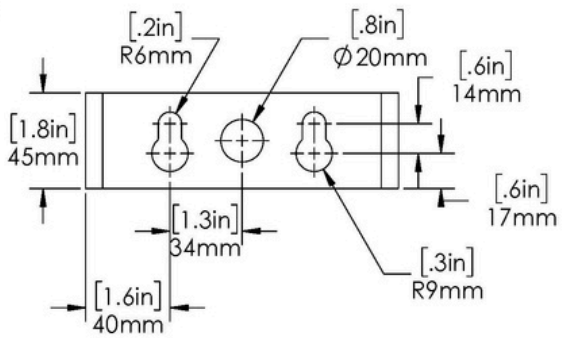
For use with 2 3/8" Tenon

*Angle marking increment - 30°

TRUNNION MOUNT

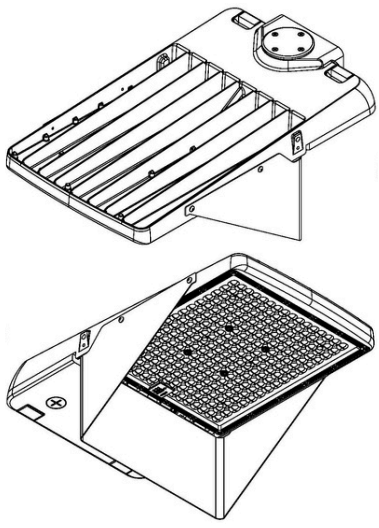


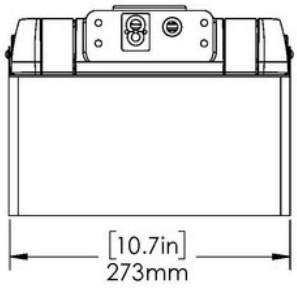
ENLARGED VIEW OF TRUNNION MOUNT BRACKET

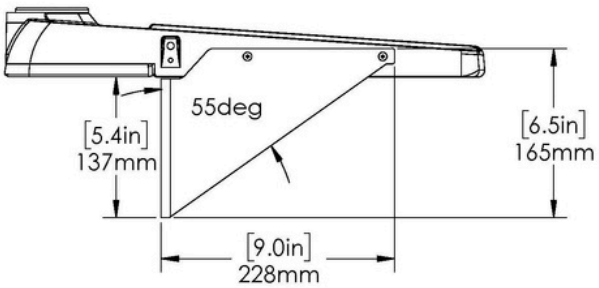


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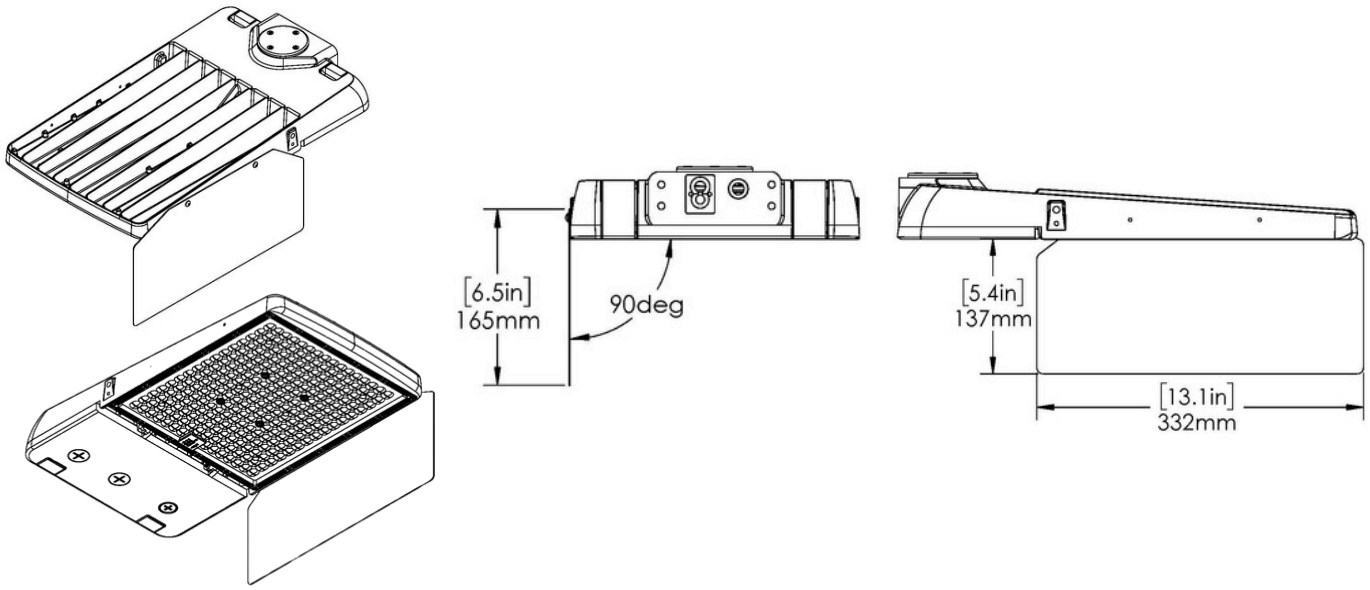
HOUSE SIDE CUTOFF (HCO)





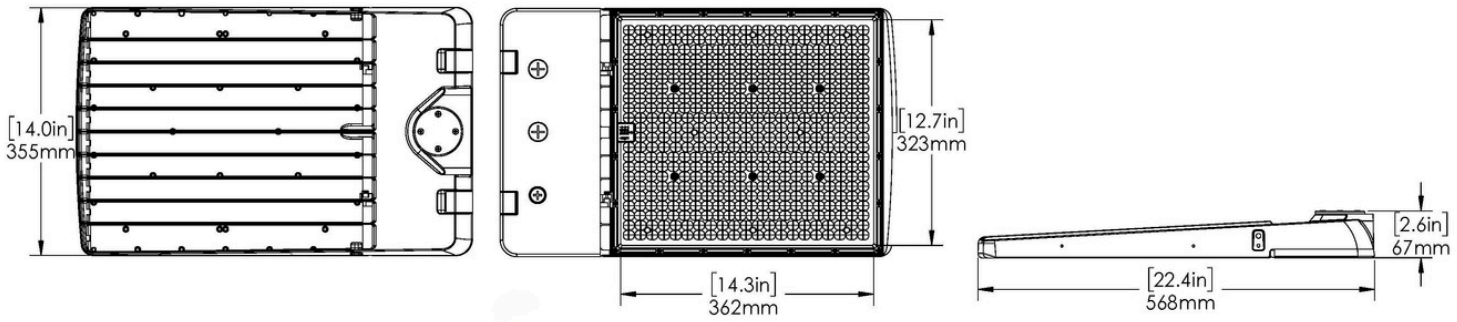


SIDE CUTOFF (SCO)

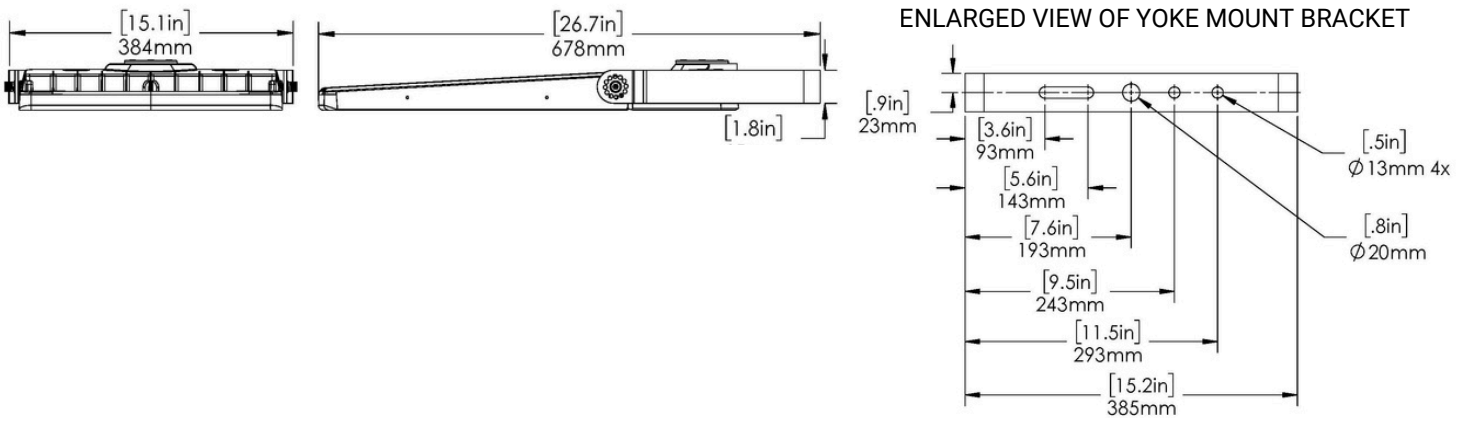


JAG2S - DIMENSIONS

JAG2S

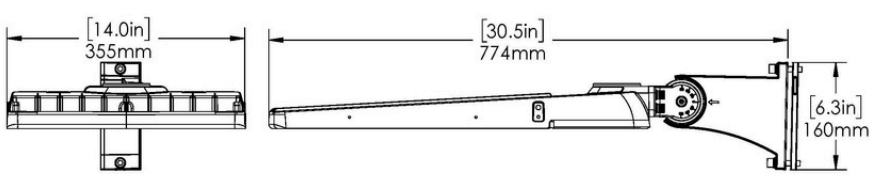


YOKE MOUNT

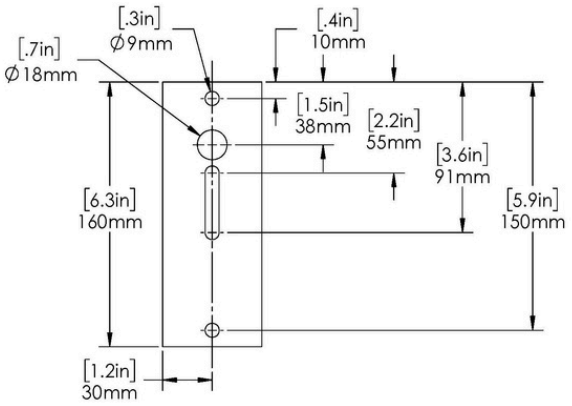


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DIRECT MOUNT

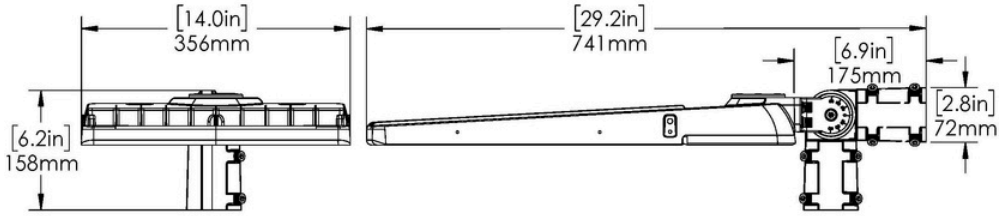


ENLARGED VIEW OF DIRECT MOUNT BRACKET

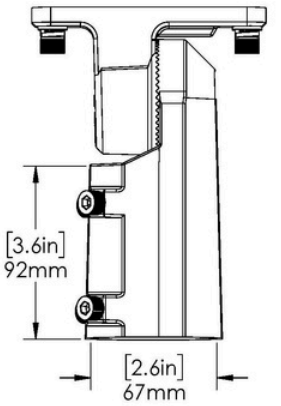


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SLIPFITTER

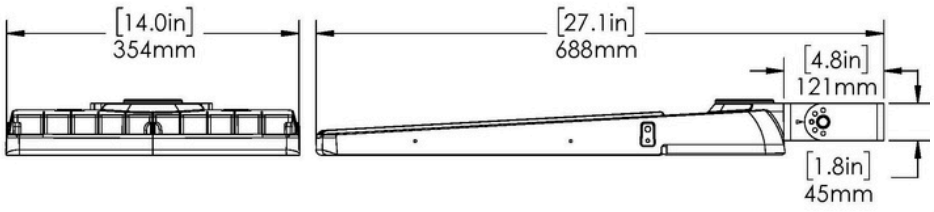


ENLARGED VIEW OF SLIPFITTER

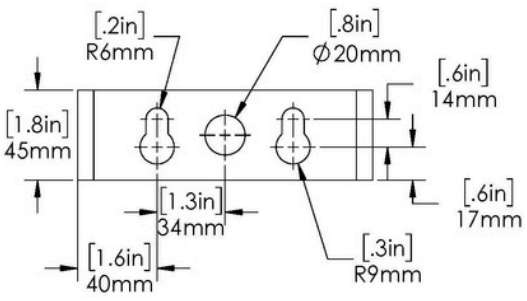


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TRUNNION MOUNT

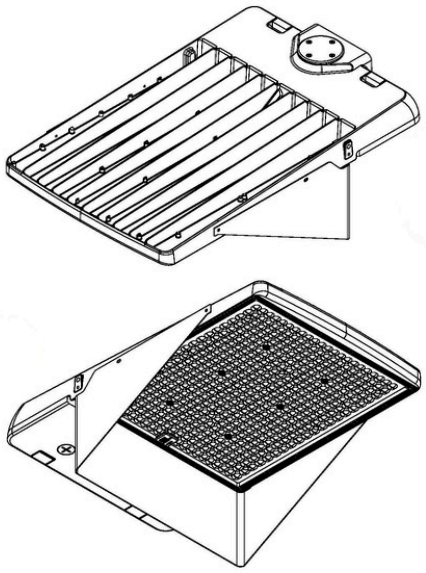


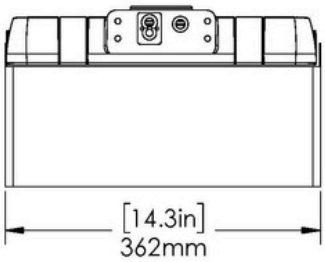
ENLARGED VIEW OF TRUNNION MOUNT BRACKET

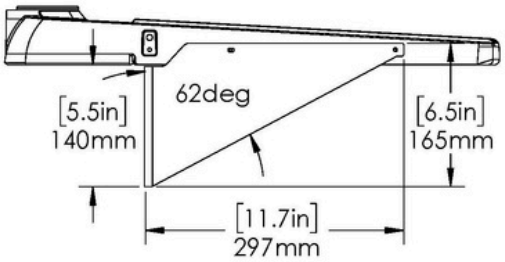


*Angle marking increment - 45°

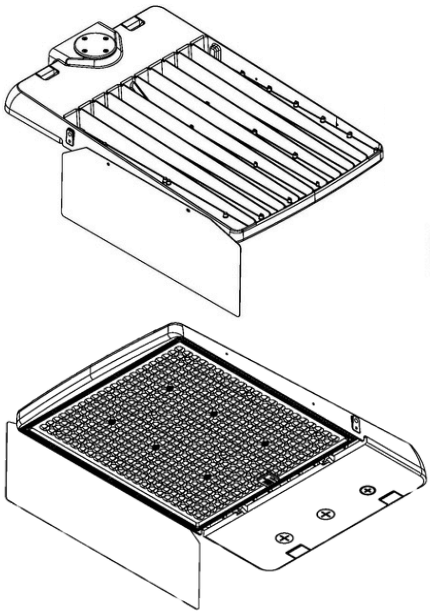
SIDE CUTOFF (HCO)

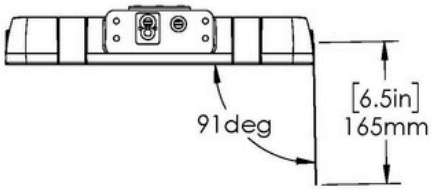


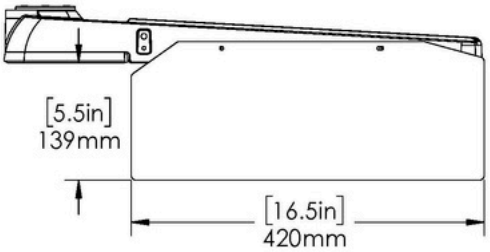




SIDE CUTOFF (SCO)

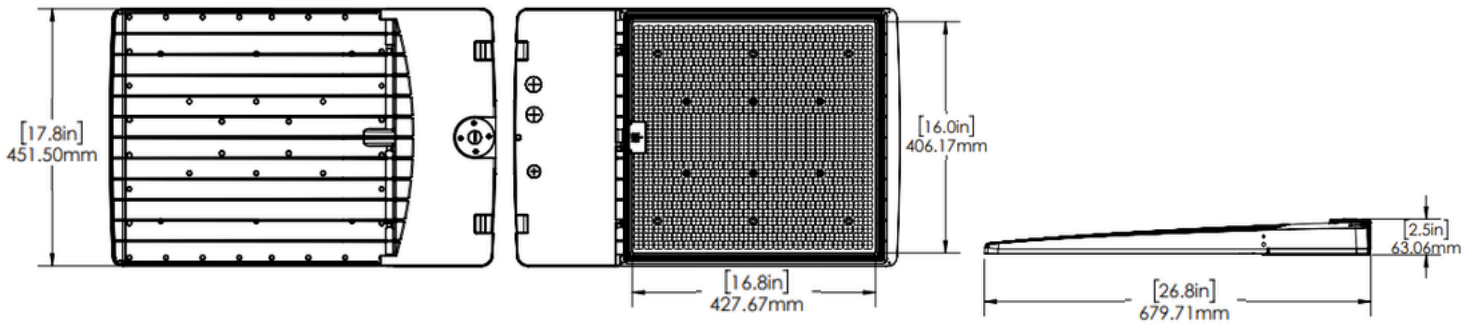




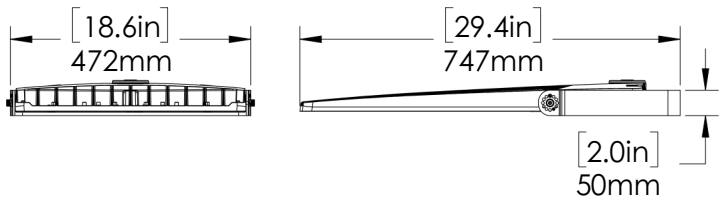


JAG3S DIMENSIONS

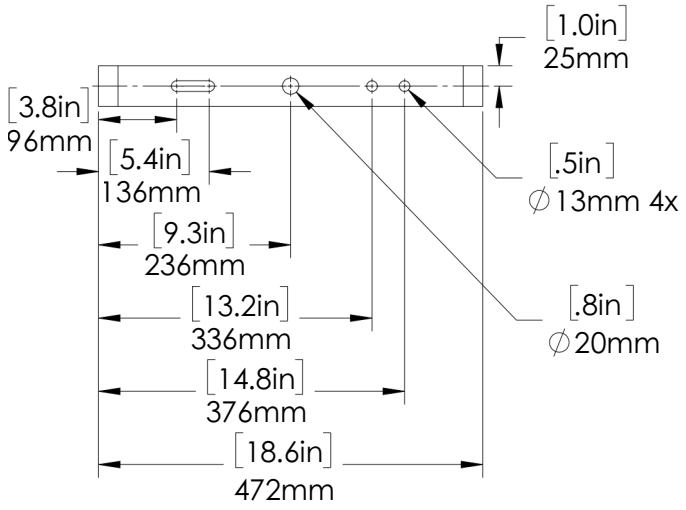
JAG3S



YOKE MOUNT

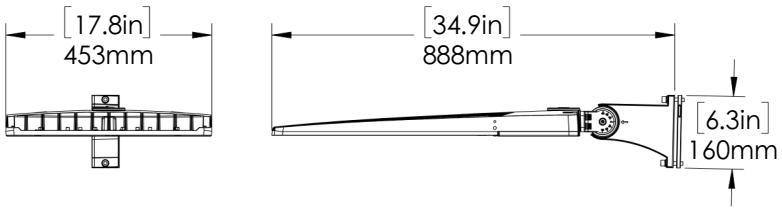


ENLARGED VIEW OF YOKE MOUNT BRACKET

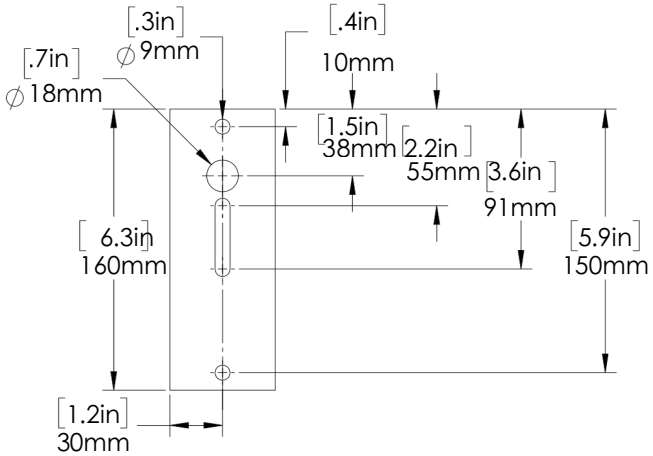


*Angle marking increment - 30°

DIRECT MOUNT

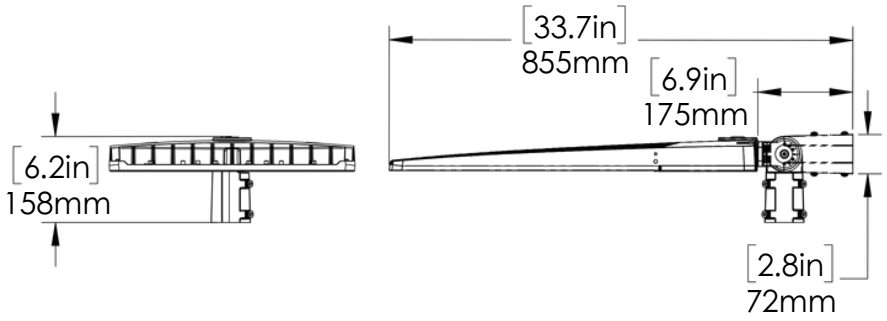


ENLARGED VIEW OF DIRECT MOUNT BRACKET

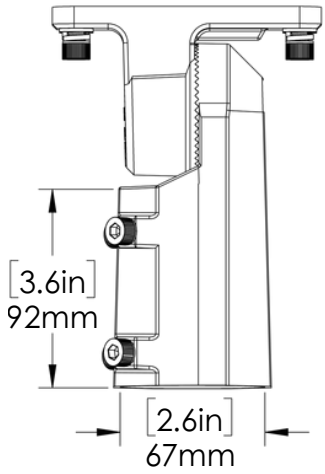


*Angle marking increment - 30°

SLIPFITTER

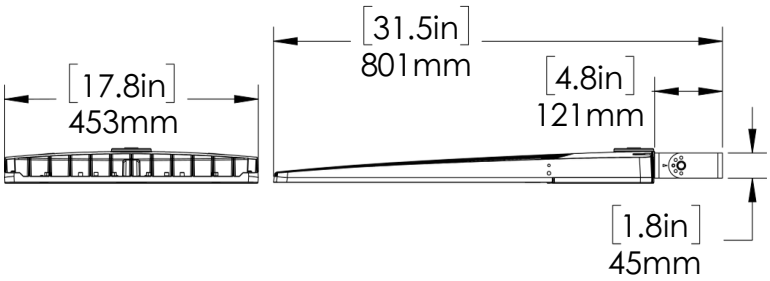


ENLARGED VIEW OF SLIPFITTER

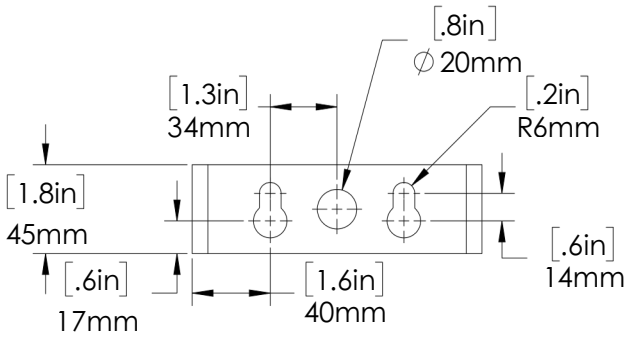


*Angle marking increment - 30°

TRUNNION MOUNT

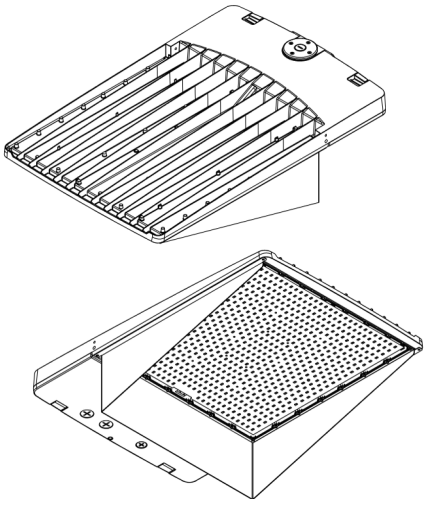


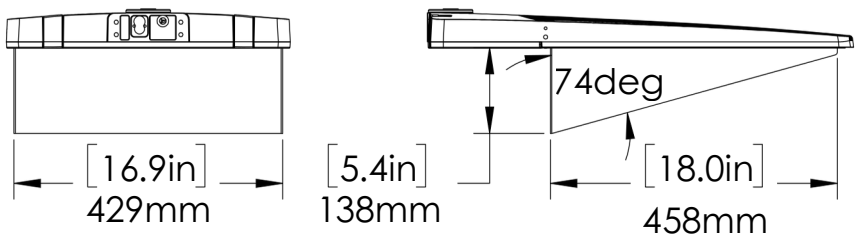
ENLARGED VIEW OF TRUNNION MOUNT BRACKET



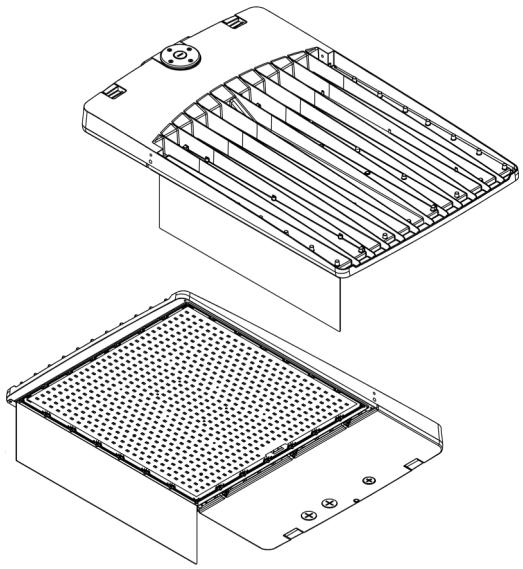
*Angle marking increment - 45°

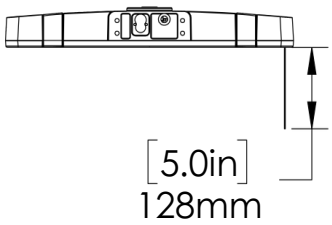
HOUSE SIDE CUTOFF (HCO)

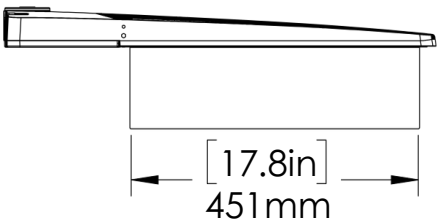




SIDE CUTOFF (SCO)



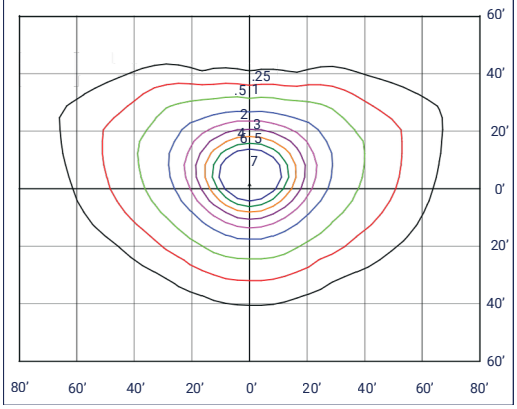




PHOTOMETRIC PLOTS

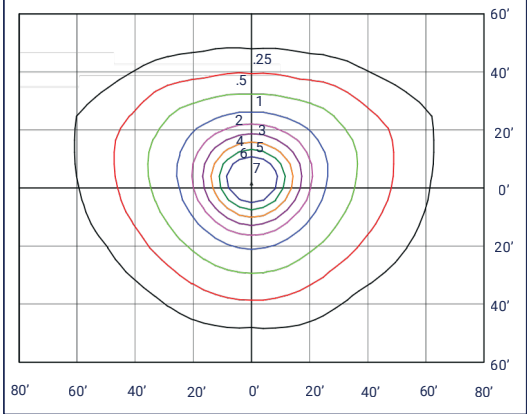
JAG1S-LED100A60-H-VK-VD1-BRZ-DIM-SP10
(100W, 4000K, TYPE III)
MOUNTED AT 20 FEET

LUMENS 15723.5 MAX CALCULATED VALUE 10.40fc



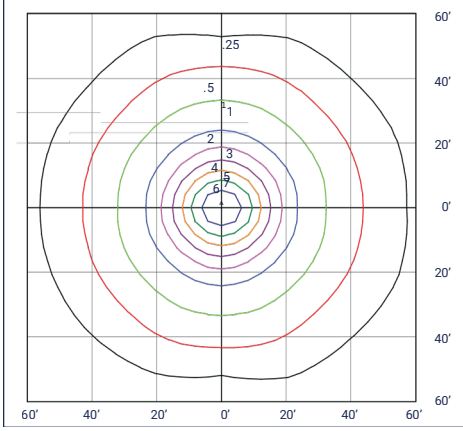
JAG1S-LED100A60-H-VK-VD1-BRZ-DIM-SP10
(100W, 4000K, TYPE IV)
MOUNTED AT 20 FEET

LUMENS 15872.6 MAX CALCULATED VALUE 19.11fc



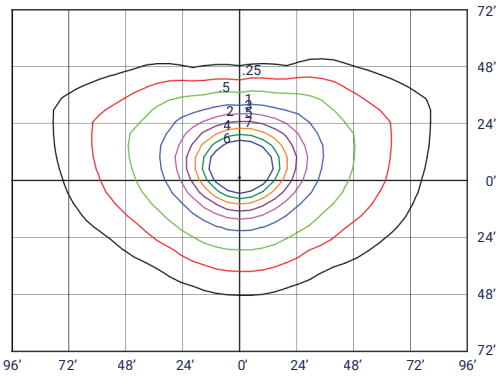
JAG1S-LED100A60-H-VK-VD1-BRZ-DIM-SP10
(100W, 4000K, TYPE V)
MOUNTED AT 20 FEET

LUMENS 15380.2 MAX CALCULATED VALUE 7.94fc



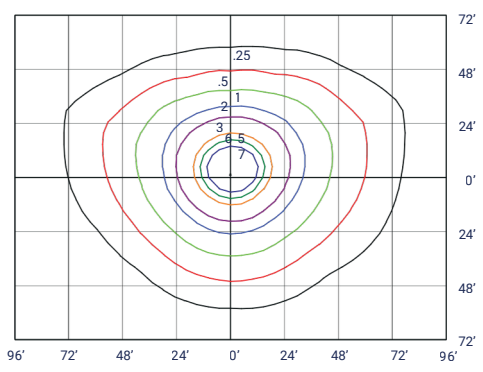
JAG1S-LED150A100-H-VK-VD1-BRZ-DIM-SP10
(150W, 4000K, TYPE III)
MOUNTED AT 24 FEET

LUMENS 22761.5 MAX CALCULATED VALUE 10.68fc



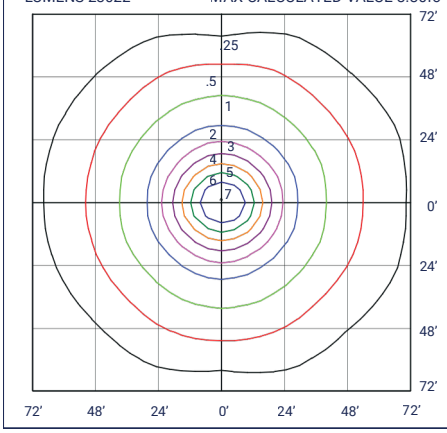
JAG1S-LED150A100-H-VK-VD1-BRZ-DIM-SP10
(150W, 4000K, TYPE IV)
MOUNTED AT 24 FEET

LUMENS 23493.8 MAX CALCULATED VALUE 9.50fc



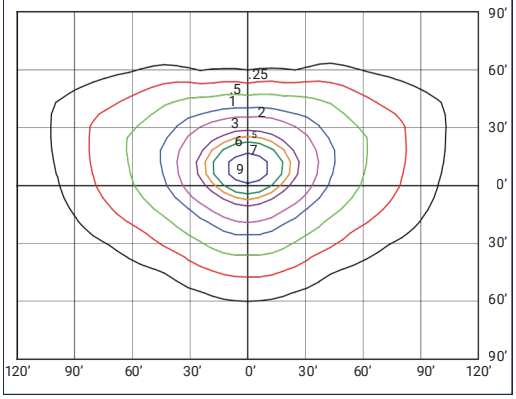
JAG1S-LED150A100-H-VK-VD1-BRZ-DIM-SP10
(150W, 4000K, TYPE V)
MOUNTED AT 24 FEET

LUMENS 23022 MAX CALCULATED VALUE 8.30fc



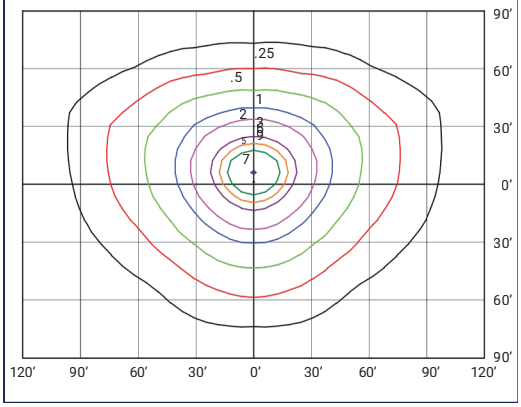
JAG2S-LED240A180-H-VK-VD1-BRZ-DIM-SP10
(240W, 4000K, TYPE III)
MOUNTED AT 30 FEET

LUMENS 36607.9 MAX CALCULATED VALUE 10.55fc



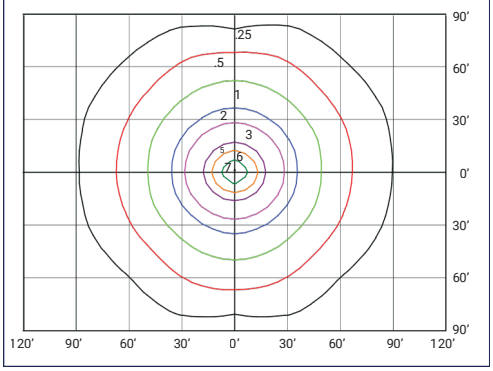
JAG2S-LED240A180-H-VK-VD1-BRZ-DIM-SP10
(240W, 4000K, TYPE IV)
MOUNTED AT 30 FEET

LUMENS 37251.1 MAX CALCULATED VALUE 9.12fc



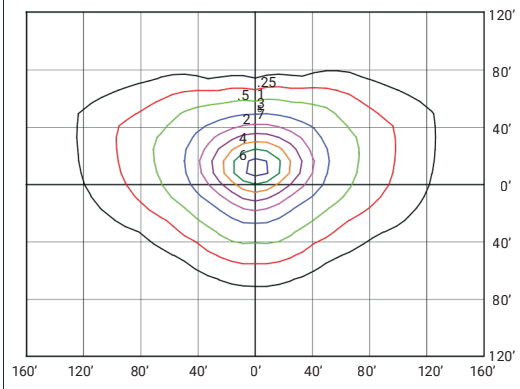
JAG2S-LED240A180-H-VK-VD1-BRZ-DIM-SP10
(240W, 4000K, TYPE V)
MOUNTED AT 30 FEET

LUMENS 35930.2 MAX CALCULATED VALUE 7.58fc



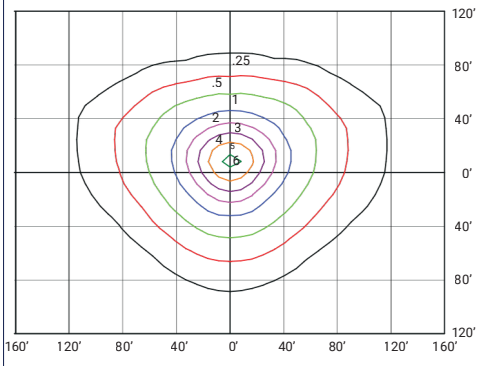
JAG2S-LED300A240-H-VK-VD1-BRZ-DIM-SP10
(300W, 4000K, TYPE III)
MOUNTED AT 40 FEET

LUMENS 45977 MAX CALCULATED VALUE 7.38fc



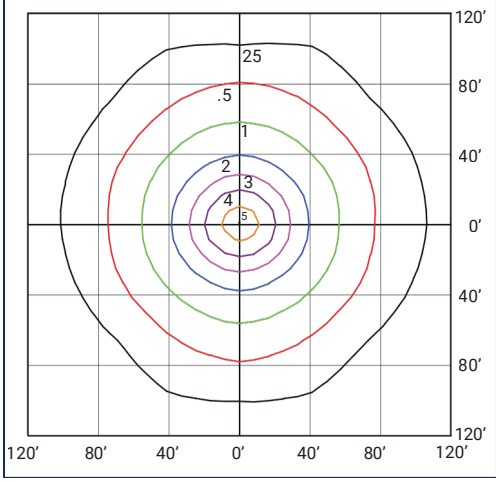
JAG2S-LED300A240-H-VK-VD1-BRZ-DIM-SP10
(300W, 4000K, TYPE IV)
MOUNTED AT 40 FEET

LUMENS 45505.8 MAX CALCULATED VALUE 6.30fc



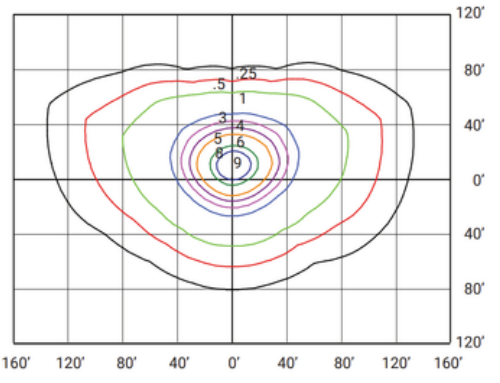
JAG2S-LED300A240-H-VK-VD1-BRZ-DIM-SP10
(300W, 4000K, TYPE V)
MOUNTED AT 40 FEET

LUMENS 45357.6 MAX CALCULATED VALUE 5.49fc



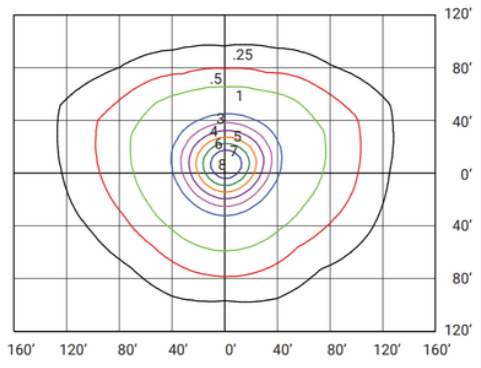
JAG3S-LED430A300-H-VK-VD1-BRZ-DIM-PC-SP10
(430W, 5000K, TYPE III)
MOUNTED AT 40 FEET

LUMENS 63931 MAX CALCULATED VALUE 10.44fc



JAG3S-LED430A300-H-VK-VD1-BRZ-DIM-PC-SP10
(430W, 5000K, TYPE IV)
MOUNTED AT 40 FEET

LUMENS 65319 MAX CALCULATED VALUE 9.10fc



JAG3S-LED430A300-H-VK-VD1-BRZ-DIM-PC-SP10
(430W, 5000K, TYPE V)
MOUNTED AT 40 FEET

LUMENS 64899 MAX CALCULATED VALUE 7.90fc

