JOB _____

NOTES _____

TYPE _____

APPROVALS _____

FEATURES

- Color Temperatures: Red, Green, Blue, White (5700K) and Red, Green, Blue, Warm White (2700K).
- Yoke and Threaded Knuckle mounting options.
- IP66 sealed optical and driver chamber.

- 7 beam distributions for applications including Narrow Spot 7°x7°, Spot 10°x10°, Narrow 24°x24°, Medium 39°x38°, Medium Flood 51°x44°, Horizontal 39°x8°, and Vertical 8°x39°.
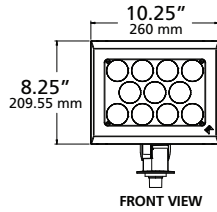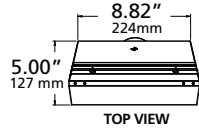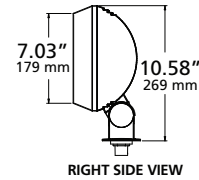
Certifications

c(UL)us LISTED
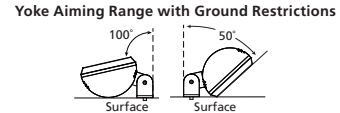
SPECIFICATIONS

Max Weight = 12 lbs. / 5.44 kg

8.82" / 224mm

5.00" / 127 mm

TOP VIEW

10.25" / 260 mm

8.25" / 209.55 mm

FRONT VIEW

EPA Front View .75

7.03" / 179 mm

10.58" / 269 mm

RIGHT SIDE VIEW

EPA Side View .31

Standard Swivel
0°
125° — 35°
AIMING RANGE May be limited by selected mounting option

Yoke Aiming Range
140° — 70°

Yoke Aiming Range with Ground Restrictions
100° — 50°
Surface — Surface

ORDERING CODE

KFL2						
Fixture	**LED Engine**	**CCT/CRI**	**Beam Spread**	**Voltage**	**Mounting**	**Color**

LED Engine
- **11L-15** 15W
- **11L-35** 35W

CCT/CRI
- **RGBW** Red, Green, Blue, White (5700K)
- **RGBWW** Red, Green, Blue, Warm White (2700K)

Beam Spread
- **NS** Narrow Spot
- **SP** Spot
- **N** Narrow
- **M** Medium
- **MF** Medium Flood
- **HF** Horizontal Flood
- **VF** Vertical Flood

Voltage
- **UNV** Universal 120-277V
- **277** 277V
- **347** 347V
- **480** 480V

Mounting
- **Y** Architectural Yoke
- **K** Threaded Knuckle

Color
- **BL** Black
- **DB** Dark Bronze
- **GT** Graphite
- **LG** Light Gray
- **PS** Platinum Silver
- **TT** Titanium
- **WH** White
- **CC** Custom Color*

*Consult factory

Options
- **SF** Single Fuse 120, 277, 347 Line Volts
- **DF** Double Fuse 208, 240, 480 Line Volts

Optical Options
- **BD** Barn Doors
- **HS** Half Glare Shield

Mounting Accessories

JBR	Brass In-Grade Architectural Junction Box	**JB1**	Architectural Junction Box
JBR30	Composite In-Grade Architectural Junction Box	**WM**	Wall or Ceiling Mount
JBR32	Brass In-Grade Staked Junction Box	**WM1**	Wall Mount
J-27N	Surface Mount	**TM2**	Twin Mount
SM18	Stanchion Mount	**PT**	Post Top Mount
SPM	Side Pole Mount	**PT2**	Twin Post Top Mount

Kim Lighting reserves the right to change specifications without notice.

LUMINAIRE PERFORMANCE

LED #	Nominal Wattage	Distribution	Beam Angles	RGBW White (5700K)			RGBWW Warm White (2700K)		
				Lumen	Center Beam Candlepower	lm/w	Lumen	Center Beam Candlepower	lm/w
11L	15	SP	8° x 8°	960	26045	63.7	809	21899	53.7
		NS	7° x 7°	971	26551	64.4	818	22340	54.3
		N	24° x 24°	1010	4717	67.0	851	3972	56.5
		M	39° x 38°	979	2186	65.2	825	1841	54.7
		MF	51° x 44°	833	986	55.2	702	830	46.6
		HF	39° x 8°	989	7490	65.6	833	6301	55.3
		VF	8° x 39°	994	7487	66.0	837	6296	55.6
11L	35	SP	10° x 10°	2184	47017	61.9	1840	39589	52.1
		NS	7° x 7°	2209	60403	62.6	1861	50888	52.7
		N	24° x 24°	2298	10726	65.1	1935	9032	54.8
		M	39° x 38°	2227	4973	63.1	1876	4187	53.1
		MF	51° x 44°	1895	2243	53.7	1596	1888	45.2
		HF	39° x 8°	2250	17040	63.7	1895	14352	53.7
		VF	8° x 39°	2263	17044	64.1	1906	14355	54.0

ELECTRICAL CHARACTERISTICS

Light Engine	System Watts	Drive Current	Line Voltage		Amps AC					
			VAC	Hz	120	208	240	277	347	480
11L	15	350 mA	120-480	50/60	0.22	0.12	0.11	0.09	0.07	0.05
	35	700 mA	120-480	50/60	0.50	0.29	0.25	0.22	0.17	0.13

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HUBBELL ® Lighting

Glare Control Accessory Options

Barn Doors

BD

Formed 3/32" thick aluminum. Each door is hinged to a cast, low copper (<0.6% Cu) aluminum frame, and locks by set screws. Doors are individually removable. Barn Door assembly mounts to predrilled door frame holes. Assembly will be painted to match fixture housing.

CAUTION: Not recommended for ground mounted fixtures in vandal prone areas.
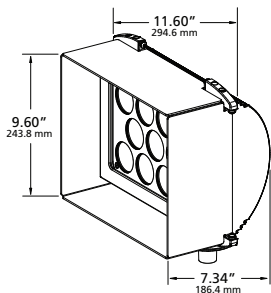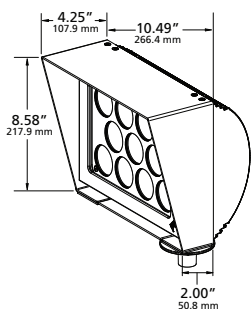

Half Glare Shield

HS

Formed 3/32" thick aluminum. Mounts to predrilled door frame holes. Can be mounted along the top or bottom of the fixture to shield the lamp and lens from view. Assembly will be painted to match fixture housing.

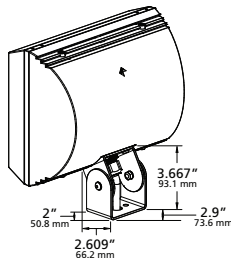**CAUTION:** Not recommended for ground mounted fixtures in vandal prone areas.

Mounting Options

Architectural Yoke

Y

Architectural Yoke Mount used for surface mounting applications. Secured to surface using two 1/4" bolts.

Yoke is stainless steel material with powder coating finish.

Threaded Knuckle

K

Threaded Knuckle is die-cast aluminum with integral locking teeth providing 5° adjustment intervals. Stainless steel allen-head screw with spring locking washer and 1/2" NPSM. Clear anodized prior to chromate conversion coating for added corrosion resistance.

Threaded Knuckle mounting used in conjunction with mounting accessories listed on page 1.

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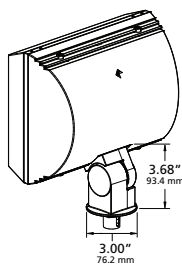
MOUNTING ACCESSORIES

Brass In-grade Architectural Junction Box
(Standard swivel mount only)

JBR-2 (2) 1/2" NPT in bottom
JBR-3 (2) 3/4" NPT in bottom
JBR-21 (2) 1/2" NPT in sides,
(2) 1/2" NPT in bottom
**JBR-24** (4) 1/2" NPT in sides,
(4) 1/2" NPT in bottom

Die-cast brass with 1/2" NPSM fixture mount and die-cast cover. Internal set screw provided for locking position. 21 cu in. internal volume.
NOTE: All side taps provided with plugs.
Creates a flush-mounted appearance.
May be cast in concrete for increased stability.
CAUTION: Fixture stem and swivel must not contact soil or standing water. Provide drainage away from junction box.
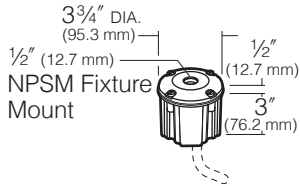
### Brass In-grade Staked Junction Box
(Standard swivel mount only)

JBR-30, JBR-32 (2) 1/2" NPT in bottom,
(2) 19" long stakes

Die-cast brass with 1/2" NPSM fixture mount and die-cast cover. Internal set screw provided for locking position. 21 cu in. internal volume. Creates a flush-mounted appearance. May be cast in concrete for increased stability.
CAUTION: To assure a rigid installation, Staked Junction Box must be set in concrete (by others). Fixture stem and swivel must not contact soil or standing water. Provide drainage away from junction box.
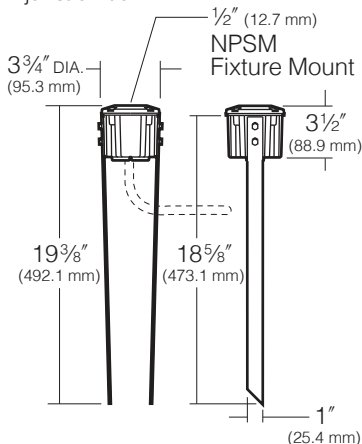

Stanchion Mount (SM18)
(Standard swivel mount only)

3" O.D. by .188" wall cast low copper (<0.6% Cu) aluminum with 1/2" NPSM fixture mount and hand hole with flush cover. Internal set screw fixture lock accessible through hand hole. Internal ground lug supplied with installed lead. **CAUTION:** To assure a rigid installation, stanchion must be set in concrete (by others).
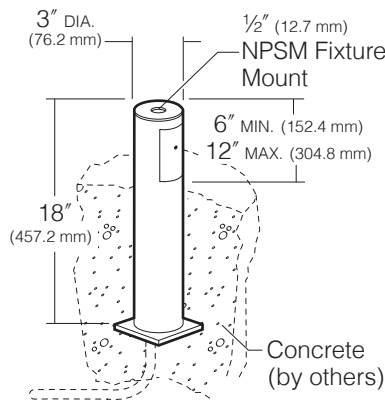

Surface Mount (J-27N)
(Standard swivel mount only)

Cast low copper (<0.6% Cu) aluminum with mounting ears for wood screw attachment to tree or wood structure. 5.5 cu in. splice compartment with gasketed cover. 1/2" NPSM fixture mount and 1/2" NPSM conduit or cord seal entry.lead.
NOTE: Surface mount can be connected to conduit or outdoor cord with a waterproof cord seal (by others).
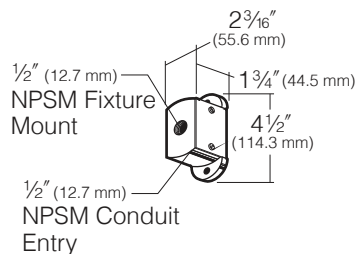

Wall or Ceiling Mount (WM)
(Standard swivel mount only)

Electro zinc steel mounting plate adapts to standard 4" square or octagonal Junction Boxes. Fixture mounts to cast low copper (<0.6% Cu) aluminum upper cover which attaches to mounting plate. Lower cover half provides splice access. Dielectric sealing compound provided for wall interface.
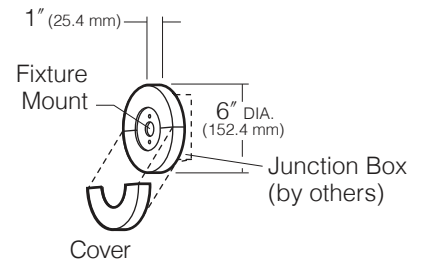
Architectural Junction Box (JB1)
(Standard swivel mount only)

Die-cast, low copper (<0.6% Cu) anodized aluminum with 1/2" NPSM fixture mount. Internal set screw provided for locking position. Two 1/2" NPSM in bottom, 17 cu in. internal volume. **CAUTION:** Junction Box must be installed high enough to avoid contact with soil or standing water.
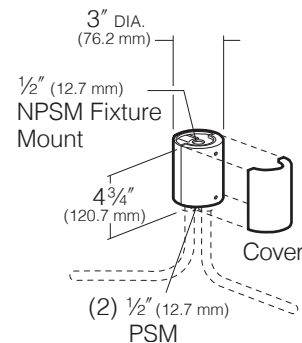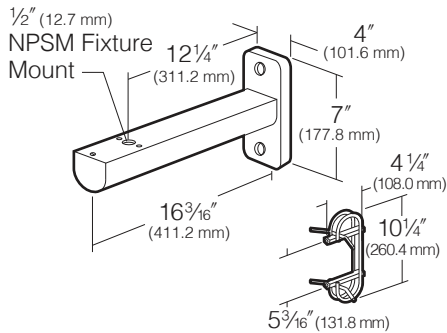

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MOUNTING ACCESSORIES (cont.)

Wall Mount (WM)
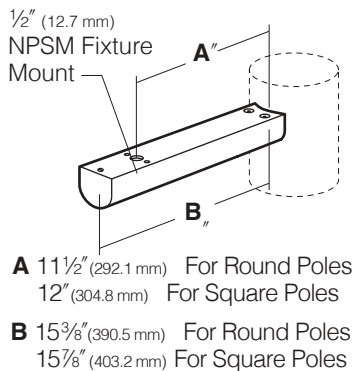(Standard swivel mount only)

Extruded aluminum arm with a removable end cap for wiring access. Arm is welded to a cast aluminum plate with two 1/2" dia. mounting holes. Optional Wall Embedment Bracket **(WEB)** provides 3/8-16 bolt receptacles welded in a galvanized re-bar cage for casting into poured-in-place concrete walls. Bolt receptacles receive fixture attachment bolts. Component EPA: 0.3.

1/2" (12.7 mm) NPSM Fixture Mount
12¼" (311.2 mm)
4" (101.6 mm)
7" (177.8 mm)
4¼" (108.0 mm)
16³⁄₁₆" (411.2 mm)
10¼" (260.4 mm)
5³⁄₁₆" (131.8 mm)

Side Pole Mount (SPM-X)
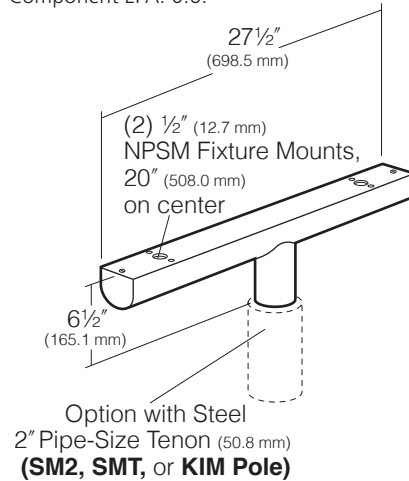(Standard swivel mount only)

Available for Round and Square Poles. Extruded aluminum arm. Internal set screw fixture lock. Removable end cap for wiring access. For use with other Kim Site/Roadway Luminaires as an additional mid-pole floodlight. **X** in Side Pole Mount Cat. No. indicates 3", 3-1/2", 4", 5" or 6" pole dia. Example: SPM-4/BL is for 4" round pole with Black finish. For square poles, omit **-X. NOTE:** Field drilling of Poles is required. Component EPA: 0.3.

1/2" (12.7 mm) NPSM Fixture Mount
A"
B"

A 11½" (292.1 mm) For Round Poles
12" (304.8 mm) For Square Poles

B 15³⁄₈" (390.5 mm) For Round Poles
15⅞" (403.2 mm) For Square Poles

Twin Mount (TM2)
(Standard swivel mount only)

Extruded aluminum arm. Internal set screw fixture locks. Can be mounted on a SM2, SMT, or Steel Kim Pole with steel 2" pipe-size tenon (2-3/8" O.D. x 3-1/2" min. length). Removable end caps for wiring access. **CAUTION:** Approved for mounting to poles with steel tenons only. Component EPA: 0.6.

27½" (698.5 mm)
(2) 1/2" (12.7 mm) NPSM Fixture Mounts, 20" (508.0 mm) on center
6½" (165.1 mm)
Option with Steel 2" Pipe-Size Tenon (50.8 mm)
(SM2, SMT, or **KIM Pole)**

Post Top Mount (PT)
(Standard swivel mount only)

Cast aluminum mount for pole or other mounting option with 2" pipe-size tenon (2-3/8" O.D. x 3-1/2" minimum length). Fixture attaches with concealed internal studs, mounting is with 1/4-20 allen set screws. Top cap provides splice access. Component EPA: 0.7.

Splice Access
4½" (114.3 mm)
Fixture Mount
Option with 2" Pipe-Size Tenon (50.8 mm)
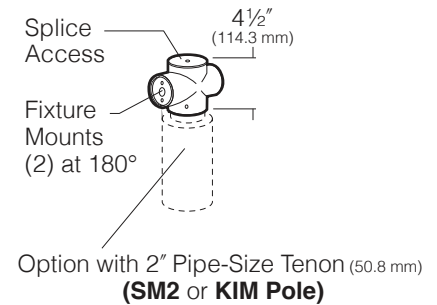**(WM2, SMT, SM2, M2B, M3E,** or **KIM Pole)**

Twin Post Top Mount (PT2)
(Standard swivel mount only)

Cast aluminum mount for pole or other mounting option with 2" pipe-size tenon (2-3/8" O.D. x 3-1/2" minimum length). Fixture attaches with concealed internal studs, mounting is with 1/4-20 allen set screws. Top cap provides splice access.
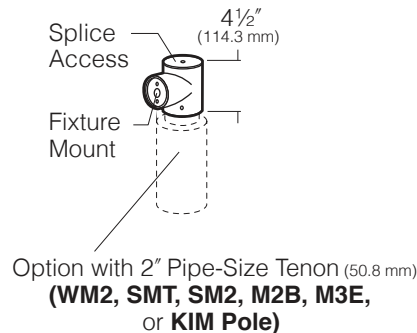
NOTE: Not for use with SMT, SPT, WM2, M2B, or M3E options. Component EPA: 0.1.

Splice Access
4½" (114.3 mm)
Fixture Mounts (2) at 180°
Option with 2" Pipe-Size Tenon (50.8 mm)
(SM2 or **KIM Pole)**

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SPECIFICATIONS

Housing:

One piece die-cast, low copper (<0.6% Cu) Aluminum Alloy 360 with vents and .100" minimum wall thickness.

Separate internal driver compartment rated for IP66 ingress protection.

Lens:

Secondary lens is impact resistant 1/8" tempered glass with anti-reflective coating.

Lens has a one-piece extruded vulcanized silicone gasket.

Optic Array:

LEDs mount to a metal printed circuit board assembly (MCPCB).

Optical lenses are clear injection molded PMMA acrylic.

Frame:

Lens frame one piece die-cast, low copper (<0.6% Cu) Aluminum Alloy 360 and .100" minimum wall thickness.

Lens frame has a one-piece O-ring extruded vulcanized silicone gasket.

Mid-frame one piece die-cast, low copper (<0.6% Cu) Aluminum Alloy 360 and .100" minimum wall thickness.

Mid-frame secures to Lens Frame and housing by stainless steel recessed Allen-head screws

Gasketing:

Silicone gaskets throughout.

Fasteners:

All external fasteners are stainless steel.

Wiring:

No. 18AWM rated 105°C, wet rating.

Driver:

Universal voltage, 120 through 277V with a ±5% tolerance. Class II power unit.

High voltage, 347/480. Class II power unit. Output adjustable via potentiometer.

HV drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.

Operating Temperature:

Working ambient temperature: -40°C to 40°C.

Bluetooth®:

Integral Bluetooth module, built into driver, permits dimming the fixture(s) to desired setting when paired with Hubbell Remote App via cellular/ tablet device.

Bluetooth Low Energy (BLE) or Bluetooth Smart compatible for both iOS (iOS8 and forward) and Andriod (Gingerbread and forward) handheld software applications. Compatible with phones and tablets.

Free Bluetooth Apps are available for Apple iOS and Google Android mobile devices and are downloadable via the internet at Apple App Store or Google Play.

DMX:

Modular wiring harness in the service area provides user access to the dimming circuitry via DMX

6 wires: Red (DMX+), Yellow (DMX-), Brown (DMX Ground), Black (Voltage), White (common), and Green (Ground)

Single DMX universe with six slots/addresses of virtual control which are pre-programmed at the factory:

DMX slot/address 1 = red

DMX slot/address 2 = blue

DMX slot/address 3 = green

DMX slot/address 4 = white

Fully DMX RDM compatible

Mobile App:

Dimming range from 0% to 100% through the use of HUBBELL LIGHTING RGBW app (available on IOS and Android).

X-Y tilt controls for aiming.

Color selection and adjustment.

Camera function for color matching.

Intensity slider for dimming/ramping up.

Save and rename up to 10 presets.

Group and rename   fixtures.

Fixture is password protected, refer to instructions to set unique password

Fuse Options

SF for 120, 277, 347 Line volts
DF for 208, 240, 480 Line volts

Hight temperature fuse holders factory installed inside the fixture.

Surge Protection:

Integral surge protection is U.L. recognized and has a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave. Surge protection device wired in parallel.

Finish:

Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.

Standard colors include (BL) Black, (DB) Dark Bronze, (GT) Graphite, (PS) Platinum Silver, (LG) Light Gray, (TT) Titanium, (WH) White, and (CC) Custom Color (Include RAL#).

Certifications and Listings:

UL 1598 Standard for Luminaires.

IP66 certified.

RoHS compliant.

CAUTION:

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

WARRANTY:

For full warranty see: http://www.hubbelllighting.com/resources/warranty

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