

FEATURES

- Integral Motion Sensor
- Staggered twin mounting
- ANSI C136.31-2010 4G Rated
- IES Type II, III and IV distributions
- 3000K , 4000K, 5000K CCT
- Integral thermal protection



3000K and warmer CCTs only

See Certification Specifications

SPECIFICATIONS

CONSTRUCTION

- Housing shroud is made of fabricated 5052-H32 aluminum alloy with a rear mounting interface that is made of fabricated 304 stainless steel
- Housing mounting interface is a stamped silicone gasket
- Luminaire housing is free of any visible heat fins, hardware or fasteners
- Bracketry and hardware is made of stainless steel
- Base is made of cast aluminum #356 alloy and heat treated to a T-6 condition
- Shaft is extruded aluminum 6061 alloy and heat treated to a T-6 condition
- Anchor bolts are hot dip galvanized steel. Eight galvanized hex nuts and flat washers, and a bolt circle template are provided. Anchor bolt for poles are 3/4" x 24" x 3"
- Luminaire finish consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish
- Luminaire finish meets the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance

LED/OPTICS

- LEDs are mounted to a metal printed circuit board assembly (MCPCB) with a uniform conformal coating over the panel surface and electrical features
- Optical lenses is made of clear injection molded PMMA acrylic
- Each MCPCB and optic are sealed to an extruded 6063-T6 aluminum alloy heat spreader and sealed with a continuous one piece injection molded silicone rubber gasket. IP66

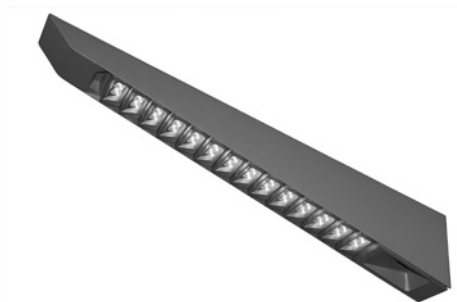
LED/OPTICS (CONTINUED)

- Patent Pending design of optical array is independently shielding each LED optic across the length of the aperture
- Optical surfaces are painted white unless the optional fixture finish (FO) or matte black finish (MO) is selected
- Optional matte black finish optics (MO) are required to meet UO classification with zero percent uplight
- Optional fixture finish optical surfaces (FO) do not exceed BUG ratings of the standard white finish and will be greater than or equal to the delivered lumens of the optional matte black optical surface finish (MO)

INSTALLATION

- Integral pole mount luminaires require assembly of fixture(s) to the pole, mounting hardware, anchor bolts and anchor bolt template is included. See page 6 for additional considerations specific to the integral pole
- Tenon mount luminaires require assembly of fixture(s) to the tenon adapter, mounting hardware is included. Tenon adapter secures to the tenon with eight 5/16-18 stainless steel set screws
- Side mount luminaires are supplied with hardware compatible with AAL mountings.
- Twin mounted staggered height fixtures are configured separately
- Service access to the optical array and driver assembly is via a tool-less internal latch and have an audible click.
- Optical array has to hang freely in an open service position for inspection of internal wire connections. Once in service position, the optical array is able to be removed for service by lifting the assembly up off the rear hinge and disconnecting the wiring plugs.
- Driver assembly is mounted to a prewired internal tray with quick disconnects for removal

KICK™



Mini Medium

RELATED PRODUCTS

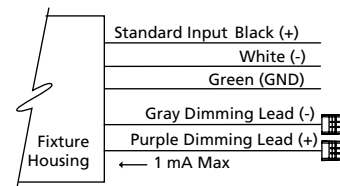
[θK5](#)

[θK4](#)

[θKB6](#)

ELECTRICAL

- Drivers are in direct contact with the aluminum housing across the entire surface area of the widest face for maximum thermal transfer
- Luminaires have integral surge protection that is U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J. Surge protection device is wired in series
- Drivers are U.L. recognized
- Drivers are not compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV
- Luminaire are capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C
- Luminaires not configured with a control system or ANSI C136 receptacle option are provided with 0-10 purple and gray dimming leads



continued on page 3

KEY DATA	
LUMEN RANGE	4,312–7,939
WATTAGE RANGE	24–33
EFFICACY RANGE (LPW)	50–70
WEIGHT	15 lbs 6.80 kg
EPA	0.75

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: KM51-T2-FO-5040-MCPCR-SF-347-PS512-188-SBC-BLT

CATALOG #	
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Model (5" wide luminaire)	Optics (Distribution)	Optics Finish	Light Engine ¹	Control
KM51 Single Fixture	T2 IES Type II	WO Standard White Finish	5030 3000K CCT, CRI 70, 50 Watts	MCPCR Multi-Channel 7-Pin Photocell Receptacle
KM52 Two Fixtures 180° Apart	T3 IES Type III	FO Optics in Fixture Finish	5040 4000K CCT, CRI 70, 50 Watts	WIR wiScape Connectivity Ready
KM53 Three Fixtures 90° Apart	T4 IES Type IV	MO Optics in Matte Black Finish	5050 5000K CCT, CRI 70, 50 Watts	WIRSC wiScape + Motion Sensor
KM54 Four Fixtures 90° Apart			7030 3000K CCT, CRI 70, 70 Watts	SCP Motion Sensor + Photocell ²
			7040 4000K CCT, CRI 70, 70 Watts	SW7PR SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC ³
			7050 5000K CCT, CRI 70, 70 Watts	SCPREMOTE Handheld Commissioning Tool ²

Fuse (may choose one)	Voltage	Mounting	Mounting Options	Fixture Finish
SF 120, 277, 347 Volt Input	120–277V 120–277V	Integral Pole	Twin mount at staggered heights	Standard Color
DF 208, 240, 480 Volt Input	347 347V	Square Straight Aluminum, 10.5" Ø Bolt Circle	Mounting holes for a fixture at 180°, KM51...PS5... only, may choose one	BLS Black Gloss Smooth
	480 480V	PS510-188 10' Luminaire Height	TS8 8' from bottom	BLT Black Matte Textured
		PS512-188 12' Luminaire Height	TS10 10' from bottom	DBS Dark Bronze Gloss Smooth
		PS514-188 14' Luminaire Height	TS12 12' from bottom	DBT Dark Bronze Matte Textured
		PS516-188 16' Luminaire Height	TS14 14' from bottom	GTT Graphite Matte Texture
		PS518-188 18' Luminaire Height	TS16 16' from bottom	LGS Light Grey Gloss Smooth
		PS520-188 20' Luminaire Height	TS18 18' from bottom	LGT Light Grey Matte Textured
		Tenon Mount	Base Options	PSS Platinum Silver Gloss Smooth
		TA23 Slips over a 2 3/8" / 60mm Ø x 4" / 102mm tall tenon	SBC Standard Base Cover	VGT Verde Green Matte Textured
		Side Mount	Pole Accessories(may choose one)	WHS White Gloss Smooth
		SMK Mounts to the side of a square pole, KM51 only	GFI GFCI receptacle, 24" from top of pole	WHT White Matte Textured
		Wall Mount	RBC Duplex receptacle box with clear cover, wiring device(s) not included	CC Custom Color ⁴
		WMK KM51 only		

Notes:

- 595nm monochromatic amber and or custom lumen package available by request
- Handheld commissioning tool is required to separately configure or adjust any number of SCP sensors
- Specify group and zone at time of order. See www.hubbellighting.com/sitesync for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
- Consult factory for custom color, marine and corrosive finish

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

SPECIFICATIONS (CONTINUED)

MODEL	HEIGHT OVERALL	POLE	SHAFT SECTION	WT	MAXIMUM ALLOWABLE EPA (MPH)			
					70	80	90	100
KM5X-PS510-188	10' 9" / 3.28m	10'	5" SQ x .188"	61 lbs	32.2	24.5	18.0	14.5
KM5X-PS512-188	12' 9" / 3.89m	12'	5" SQ x .188"	69 lbs	29.0	21.5	15.7	12.5
KM5X-PS514-188	14' 9" / 4.50m	14'	5" SQ x .188"	78 lbs	25.0	18.5	13.5	10.5
KM5X-PS516-188	16' 9" / 5.10m	16'	5" SQ x .188"	86 lbs	21.7	15.7	11.3	8.5
KM5X-PS518-188	18' 9" / 5.71m	18'	5" SQ x .188"	95 lbs	18.5	12.8	9.0	6.5
KM5X-PS520-188	20' 9" / 6.32m	20'	5" SQ x .188"	103 lbs	15.0	9.7	6.5	4.2

* - Consult factory for thicker shaft profiles and or custom heights not shown above.

CONTROLS

- Wireless enabled fixtures shall support bi-directional radio frequency (RF) communications utilizing IEEE 802.15.4 operating in the 2.4GHZ ISM band.
- Up to 1000' wireless range may be reduced by physical obstructions between lighting fixtures.
- Motion Sensor shall use passive infrared (PIR) sensing technology that reacts to changes in infrared energy (moving body heat) within the coverage area. Careful consideration must be given to obstructions that may block the sensor's line of sight.
- Factory default settings for SCP option shall be:
 - High mode: 10V
 - Low mode: 1V
 - Ramp-up rate: disabled
 - Fade-down rate: disabled
 - Photocell: Off
 - Sensitivity: Full
 - Time Delay: Fade to low: 5 minutes
 - Time Delay: Fade to off: 1 hour

CERTIFICATIONS

- Luminaire is listed with UL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250
- ANSI C136.31-2010 4G Vibration tested and compliant
- IEC 66262 Mechanical Impact Code IK10
- IDA approved, 3000K and warmer CCTs only
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

WARRANTY

- See [HLI Standard Warranty](#) for additional information

DATE:	LOCATION:
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DELIVERED LUMENS

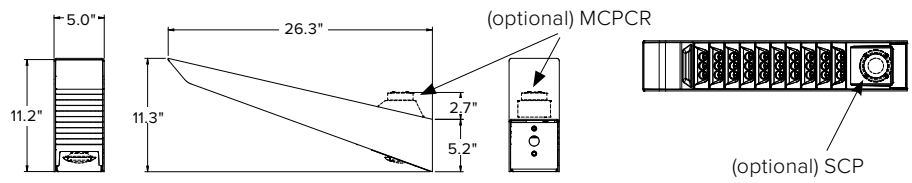
System Watts	Optical Finish	Distribution	Ordering Code	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
					B	U	G			B	U	G			B	U	G	
50	Standard White	Type 2	T2	5317	2	2	1	106	5647	2	2	1	113	5614	2	2	1	112
		Type 3	T3	5502	1	2	1	110	5842	1	2	1	117	5808	1	2	1	116
		Type 4	T4	5699	1	2	1	114	6052	1	2	1	121	6016	1	2	1	120
	Fixture Match	Type 2	T2-FO	5312	2	2	1	106	4579	2	2	1	92	4552	2	2	1	91
		Type 3	T3-FO	4359	1	2	1	87	4629	1	2	1	93	4602	1	2	1	92
		Type 4	T4-FO	4910	1	2	1	98	5214	1	2	1	104	5183	1	2	1	104
	Matte Black	Type 2	T2-MO	4312	1	0	1	86	4579	1	0	1	92	4552	1	0	1	91
		Type 3	T3-MO	4359	1	0	1	87	4629	1	0	1	93	4602	1	0	1	92
		Type 4	T4-MO	4910	1	0	1	98	5214	1	0	1	104	5183	1	0	1	104
70	Standard White	Type 2	T2	6976	2	2	2	100	7408	2	2	2	106	7365	2	2	2	105
		Type 3	T3	7218	2	2	1	103	7664	2	2	1	109	7620	2	2	1	109
		Type 4	T4	7476	2	2	1	107	7939	2	2	2	113	7893	2	2	2	113
	Fixture Match	Type 2	T2-FO	5657	2	2	2	81	6007	2	2	2	86	5972	2	2	2	85
		Type 3	T3-FO	5719	2	2	1	82	6073	2	2	1	87	6038	2	2	1	86
		Type 4	T4-FO	6441	2	2	1	92	6840	2	2	2	98	6800	2	2	2	97
	Matte Black	Type 2	T2-MO	5657	2	0	1	81	6007	2	0	1	86	5972	2	0	1	85
		Type 3	T3-MO	5719	1	0	1	82	6073	1	0	1	87	6038	1	0	1	86
		Type 4	T4-MO	6441	2	0	1	92	6840	2	0	1	98	6800	2	0	1	97

DATE:	LOCATION:
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DIMENSIONS

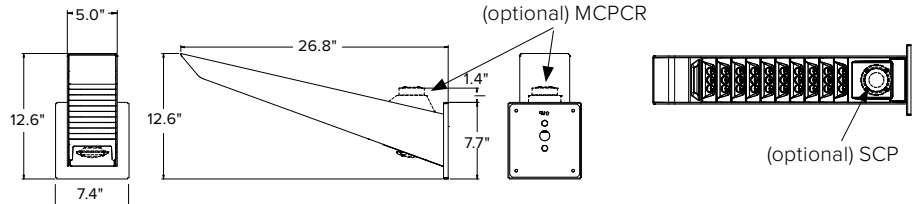
SIDE MOUNTED LUMINAIRE (S)

MODEL	KM5X-...-SMK
OVERALL HEIGHT	11.3" / 287mm
OVERALL LENGTH	26.3" / 668mm
OVERALL WIDTH	5" / 127mm
WEIGHT	13.25 lbs.
EPA	0.75



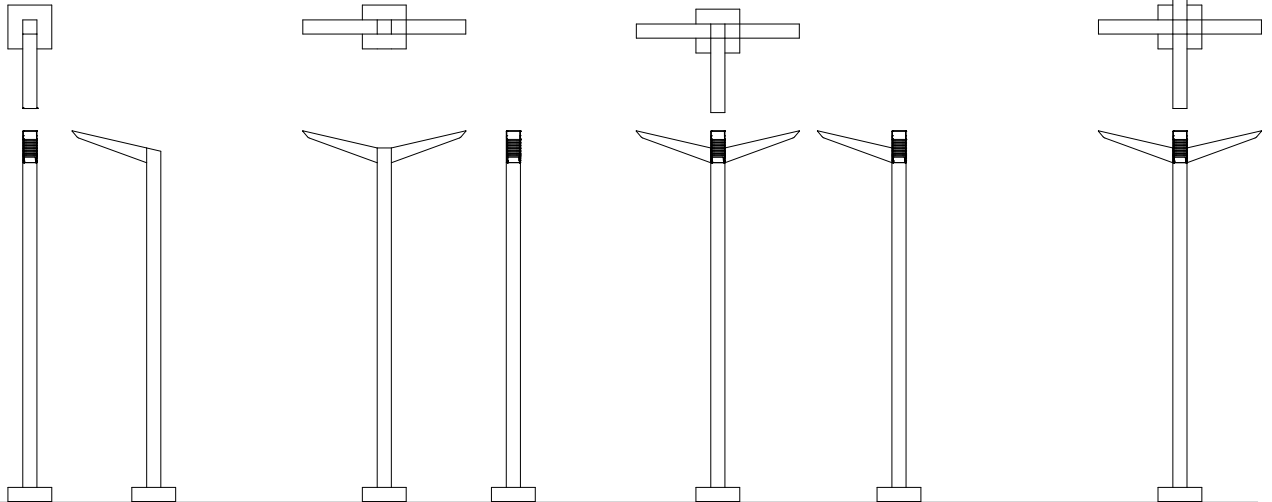
WALL MOUNTED LUMINAIRE (S)

MODEL	KM51-...-WMK
OVERALL HEIGHT	12.6" / 320mm
OVERALL LENGTH	26.8" / 681mm
OVERALL WIDTH	7.4" / 88mm
WEIGHT	15 lbs.



INTEGRAL POLE LUMINAIRE

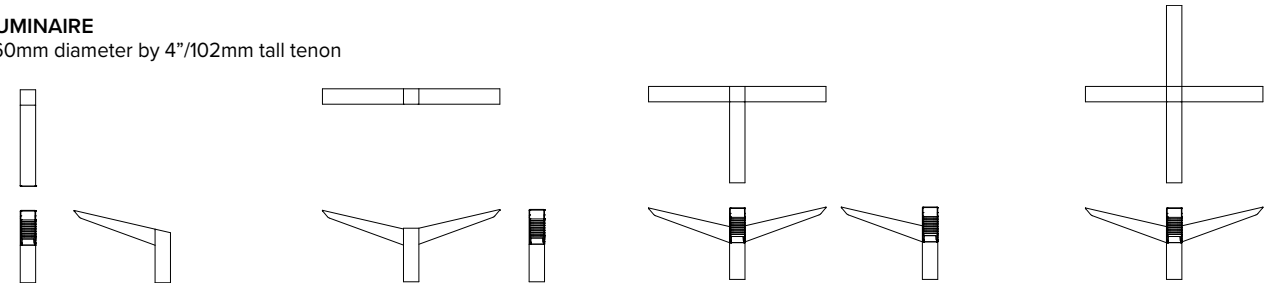
* Weight and EPA for fixtures only



MODEL	KM51-...-PS5XX-188	KM52-...-PS5XX-188	KM53-...-PS5XX-188	KM54-...-PS5XX-188
OVERALL LENGTH	31.3" / 655MM	15.5" / 394MM	31.3" / 795MM	57.6" / 463MM
OVERALL WIDTH	15.5" / 394MM	57.6" / 463MM	57.6" / 1463MM	57.6" / 1463MM
WEIGHT	13.25 LBS.	13.25 LBS.	13.25 LBS.	13.25 LBS.
EPA*	0.75	1.5	2.0	2.0

TENON MOUNT LUMINAIRE

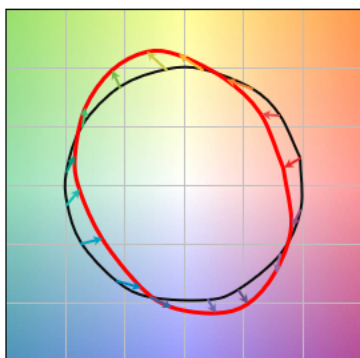
Slips over a 2 3/8"/60mm diameter by 4"/102mm tall tenon



MODEL	KM51-...-TA23	KM52-...-TA23	KM53-...-TA23	KM54-...-TA23
OVERALL HEIGHT	17.4" / 442MM	17.4" / 442MM	17.4" / 442MM	17.4" / 442MM
OVERALL LENGTH	31.3" / 795MM	5" / 127MM	31.3" / 795MM	57.6" / 1206MM
OVERALL WIDTH	5" / 127MM	57.6" / 1463MM	57.6" / 1463MM	57.6" / 1206MM
WEIGHT	13.25 LBS.	13.25 LBS.	13.25 LBS.	13.25 LBS.
EPA*	1.14	1.89	2.4	2.4

TM-30 DATA

COLOR VECTOR GRAPHIC

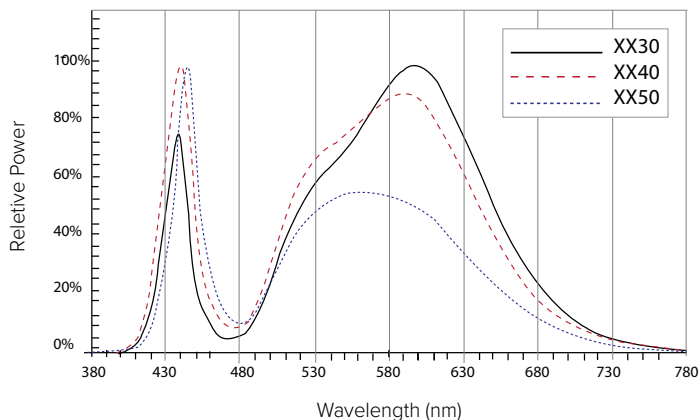


— Reference Illuminant — Test Source

TEST SOURCE

VALUE	ORDERING CODE		
	XX30	XX40	XX50
Rf	69	69	71
Rg	99	99	98
CCT(K)	3122	3852	5020
Duv	0.001	0.0004	0.0005
CIE Ra	74	73	74

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL CHARACTERISTICS

ORDERING CODE	LED CURRENT (MA)	SYSTEM WATTAGE (W)	LINE INPUT		INPUT		MIN. POWER FACTOR	MAX THD (%)	MIN. POWER	INRUSH CURRENT PEAK				DIMMING	
					AMPS AC					(A)		T@50% (MS)		DIMMING RANGE (V)	SOURCE/ SINK CURRENT (MA)
			VAC	HZ	120	277				120	277	120	277		
50XX	500	50	120-277	50/60	0.42	0.18	>0.9	20		15	32	50	0-10	1	
70XX	700	70	120-277		0.58	0.25									

TM-21 LIFETIME CALCULATION (500MA)

AMBIENT ENVIRONMENT °C	PROJECTED LUMEN MAINTENANCE (KHRS)					REPORTED L70
	25	50	60 (TM-21)	75	100	
25	98%	95%	94%	93%	90%	>60Khrs.
40	98%	96%	95%	93%	91%	

SENSOR DETECTION RANGE

		SENSOR MOUNTING HEIGHT								RATIO
		8'	10'	12'	14'	16'	18'	20'		
COVERAGE	SCP	20'	25'	30'	35'	40'	45'	50'		1:2.5
DIAMETER	WRSC	16'	20'	24'	28'	32'	36'	40'		1:2

