

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

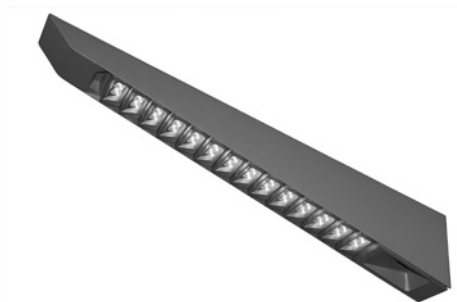
LED/OPTICS (CONTINUED)

- 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 Small

RELATED PRODUCTS

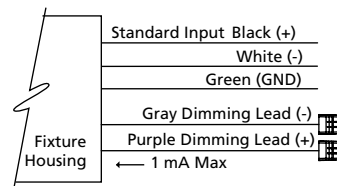
[ØK5](#)

[ØKM5](#)

[ØKB6](#)

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 | 1,9090–3,576 |
| WATTAGE RANGE | 24–33 |
| EFFICACY RANGE (LPW) | 77–115 |
| WEIGHT | 8.95 lbs 4.05 kg |
| EPA | 0.56 |

| | |
|------------|-----------|
| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

ORDERING GUIDE

Example: KM41-T2-FO-2050-MCPCR-SF-347-PS412-125-SBC-BLT

| | |
|-----------|--|
| CATALOG # | |
|-----------|--|

| Model (4" wide luminaire) | Optics (Distribution) | Optics Finish | Light Engine ¹ | Control |
|--------------------------------------|------------------------|--|---|--|
| KM41 Single Fixture | T2 IES Type II | WO Standard White Finish | 2030 3000K CCT, CRI 70, 24 Watts | MCPCR Multi-Channel 7-Pin Photocell Receptacle |
| KM42 Two Fixtures 180° Apart | T3 IES Type III | FO Optics in Fixture Finish | 2040 4000K CCT, CRI 70, 24 Watts | SCP Motion Sensor + Photocell ² |
| KM43 Three Fixtures 90° Apart | T4 IES Type IV | MO Optics in Matte Black Finish | 2050 5000K CCT, CRI 70, 24 Watts | SWPM SiteSync Pre-commissioned + Motion Sensor ³ |
| KM44 Four Fixtures 90° Apart | | | 3030 3000K CCT, CRI 70, 33 Watts | SCPREMOTE Handheld Commissioning Tool ² |
| | | | 3040 4000K CCT, CRI 70, 33 Watts | |
| | | | 3050 5000K CCT, CRI 70, 33 Watts | |

| Fuse (may choose one) | Voltage | Mounting | Mounting Options | Fixture Finish |
|------------------------------------|--------------------------|--|--|---|
| SF 120, 277, 347 Volt Input | 120–277V 120–277V | <u>Integral Pole</u> | <u>Twin mount at staggered heights</u> | <u>Standard Color</u> |
| DF 208, 240, 480 Volt Input | 347 347 VAC input | Square Straight Aluminum, 10.5" Ø Bolt Circle | Mounting holes for a fixture at 180°, KM41–...PS4... only, may choose one | BLS Black Gloss Smooth |
| | 480 480 VAC input | PS410-125 10' Luminaire Height | TS8 8' from bottom | BLT Black Matte Textured |
| | | PS412-125 12' Luminaire Height | TS10 10' from bottom | DBS Dark Bronze Gloss Smooth |
| | | PS414-125 14' Luminaire Height | TS12 12' from bottom | DBT Dark Bronze Matte Textured |
| | | PS416-125 16' Luminaire Height | TS14 14' from bottom | GTT Graphite Matte Texture |
| | | PS418-125 18' Luminaire Height | TS16 16' from bottom | LGS Light Grey Gloss Smooth |
| | | PS420-125 20' Luminaire Height | TS18 18' from bottom | LGT Light Grey Matte Textured |
| | | <u>Tenon Mount</u> | <u>Base Options</u> | 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 |
| | | <u>Side Mount</u> | <u>Pole Accessories(may choose one)</u> | WHS White Gloss Smooth |
| | | SMK Mounts to the side of a square pole, KM41 only | GFI GFCI receptacle, 24" from top of pole | WHT White Matte Textured |
| | | <u>Wall Mount</u> | RBC Duplex receptacle box with clear cover, wiring device(s) not included | CC Custom Color ⁴ |
| | | WMK KM41 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

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| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

SPECIFICATIONS (CONTINUED)

| MODEL | HEIGHT OVERALL | POLE | SHAFT SECTION | WT | MAXIMUM ALLOWABLE EPA (MPH) | | | | | | | |
|----------------|-------------------|------|------------------|--------|-----------------------------|------|------|------|------|------|------|------|
| | | | | | 85 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
| KM4X-PS410-125 | 10' 7.5" / 3.24m | 10' | 4" SQ x .125" | 28 lbs | 15.4 | 13.5 | 10.4 | 8.1 | 6.4 | 5.0 | 4.0 | 3.1 |
| KM4X-PS412-125 | 12' 7.5" / 3.85m | 12' | 4" SQ x .125"45 | 32 lbs | 11.8 | 10.2 | 7.6 | 5.7 | 4.3 | 3.2 | 2.3 | 1.6 |
| KM4X-PS414-125 | 14' 7.5" / 4.46m | 14' | 4" SQ x .125" | 37 lbs | 9.1 | 7.7 | 5.5 | 3.9 | 2.6 | 1.7 | 0.95 | 0.33 |
| KM4X-PS416-125 | 16' 7.5" / 5.07m | 16' | 4" SQ x .125" | 42 lbs | 6.9 | 5.7 | 3.8 | 2.3 | 1.3 | 0.46 | - | - |
| KM4X-PS418-125 | 18' 7.5" / 5.68m | 18' | 4" SQ x .125" | 48 lbs | 4.9 | 3.9 | 2.2 | 0.95 | 0.01 | - | - | - |
| KM4X-PS420-125 | 20' 7.5" / 6.29m | 20' | 4" SQ x .125" | 53 lbs | 3.2 | 2.2 | 0.75 | - | - | - | - | - |

* - 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

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| DATE: | LOCATION: |
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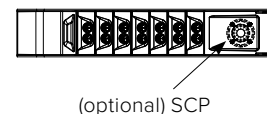
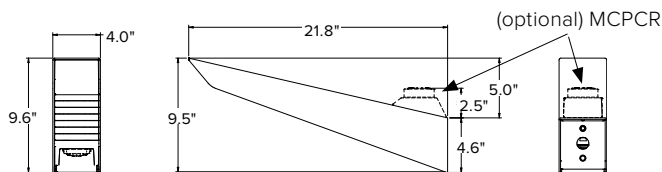
DELIVERED LUMENS

| 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 | |
| 24 | Standard White | Type 2 | T2 | 2507 | 1 | 2 | 1 | 106 | 2613 | 1 | 2 | 1 | 111 | 2647 | 1 | 2 | 1 | 112 |
| | | Type 3 | T3 | 2447 | 1 | 1 | 1 | 104 | 2555 | 1 | 1 | 1 | 108 | 2589 | 1 | 1 | 1 | 110 |
| | | Type 4 | T4 | 2561 | 1 | 1 | 1 | 109 | 2670 | 1 | 1 | 1 | 113 | 2704 | 1 | 1 | 1 | 115 |
| | Fixture Match | Type 2 | T2-FO | 1909 | 1 | 2 | 1 | 81 | 2058 | 1 | 2 | 1 | 87 | 2015 | 1 | 2 | 1 | 85 |
| | | Type 3 | T3-FO | 1930 | 1 | 1 | 1 | 82 | 2061 | 1 | 1 | 1 | 87 | 2038 | 1 | 1 | 1 | 86 |
| | | Type 4 | T4-FO | 2174 | 1 | 1 | 1 | 92 | 2343 | 1 | 1 | 1 | 99 | 2295 | 1 | 1 | 1 | 97 |
| | Matte Black | Type 2 | T2-MO | 1909 | 1 | 0 | 0 | 81 | 2058 | 1 | 0 | 0 | 87 | 2015 | 1 | 0 | 0 | 85 |
| | | Type 3 | T3-MO | 1930 | 1 | 0 | 0 | 82 | 2081 | 1 | 0 | 0 | 88 | 2038 | 1 | 0 | 0 | 86 |
| | | Type 4 | T4-MO | 2174 | 1 | 0 | 0 | 92 | 2343 | 1 | 0 | 0 | 99 | 2295 | 1 | 0 | 0 | 97 |
| 33 | Standard White | Type 2 | T2 | 3315 | 1 | 2 | 1 | 101 | 3455 | 1 | 2 | 1 | 105 | 3500 | 1 | 2 | 1 | 106 |
| | | Type 3 | T3 | 3242 | 1 | 2 | 1 | 99 | 3379 | 1 | 2 | 1 | 103 | 3423 | 1 | 2 | 1 | 104 |
| | | Type 4 | T4 | 3387 | 1 | 1 | 1 | 103 | 3530 | 1 | 1 | 1 | 107 | 3576 | 1 | 1 | 1 | 109 |
| | Fixture Match | Type 2 | T2-FO | 2535 | 1 | 2 | 1 | 77 | 2716 | 1 | 2 | 1 | 83 | 2676 | 1 | 2 | 1 | 81 |
| | | Type 3 | T3-FO | 2563 | 1 | 2 | 1 | 78 | 2746 | 1 | 2 | 1 | 83 | 2706 | 1 | 2 | 1 | 82 |
| | | Type 4 | T4-FO | 2886 | 1 | 1 | 1 | 88 | 3093 | 1 | 1 | 1 | 94 | 3047 | 1 | 1 | 1 | 93 |
| | Matte Black | Type 2 | T2-MO | 2535 | 1 | 0 | 1 | 77 | 2716 | 1 | 0 | 1 | 83 | 2676 | 1 | 0 | 1 | 81 |
| | | Type 3 | T3-MO | 2563 | 1 | 0 | 0 | 78 | 2746 | 1 | 0 | 0 | 83 | 2706 | 1 | 0 | 0 | 82 |
| | | Type 4 | T4-MO | 2886 | 1 | 0 | 1 | 88 | 3093 | 1 | 0 | 1 | 94 | 3047 | 1 | 0 | 1 | 93 |

DIMENSIONS

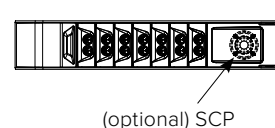
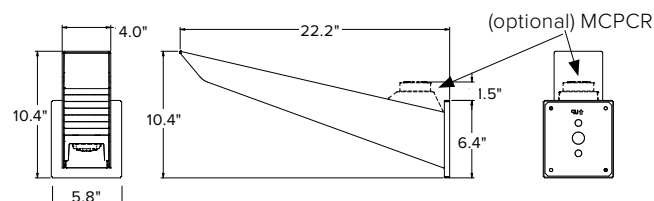
SIDE MOUNTED LUMINAIRE (S)

| | |
|----------------|---------------|
| MODEL | KM4X-...-SMK |
| OVERALL HEIGHT | 9.6" / 244mm |
| OVERALL LENGTH | 21.8" / 554mm |
| OVERALL WIDTH | 4" / 102mm |
| WEIGHT | 8.95 lbs. |
| EPA | 0.56 |

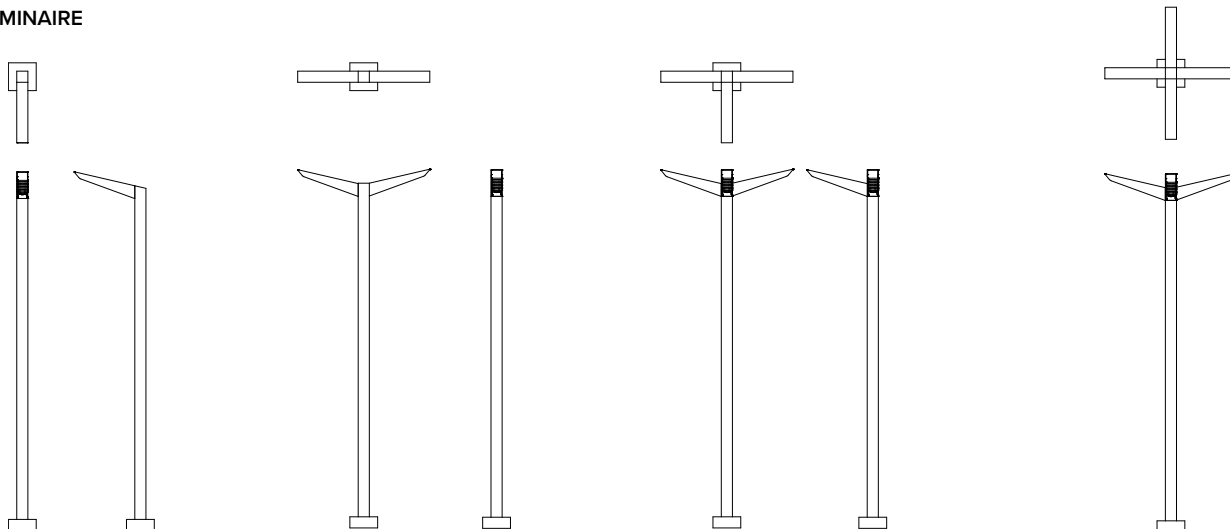


WALL MOUNTED LUMINAIRE (S)

| | |
|----------------|---------------|
| MODEL | KM41-...-WMK |
| OVERALL HEIGHT | 10.4" / 264mm |
| OVERALL LENGTH | 22.2" / 564mm |
| OVERALL WIDTH | 5.8" / 147mm |
| WEIGHT | 10 lbs. |



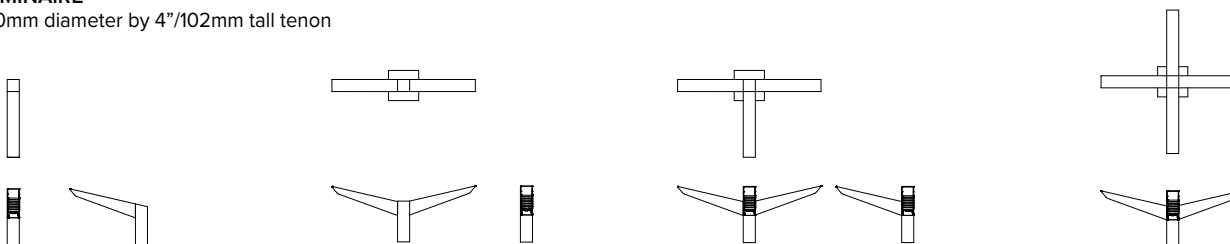
INTEGRAL POLE LUMINAIRE



| | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|
| MODEL | KM41-...-PS4XX-125 | KM42-...-PS4XX-125 | KM43-...-PS4XX-125 | KM44-...-PS4XX-125 |
| OVERALL LENGTH | 25.8" / 655MM | 10" / 254MM | 25.8" / 655MM | 47.5" / 1206MM |
| OVERALL WIDTH | 10" / 254MM | 47.5" / 1206MM | 47.5" / 1206MM | 47.5" / 1206MM |
| WEIGHT | 8.95 LBS. | 8.95 LBS. | 8.95 LBS. | 8.95 LBS. |
| EPA* | 0.56 | 1.12 | 1.44 | 1.44 |

TENON MOUNT LUMINAIRE

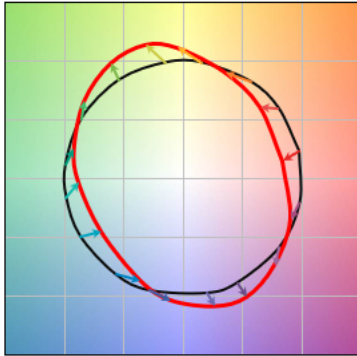
Slips over a 2 3/8"/60mm diameter by 4"/102mm tall tenon



| | | | | |
|----------------|---------------|----------------|----------------|----------------|
| MODEL | KM41-...-TA23 | KM42-...-TA23 | KM43-...-TA23 | KM44-...-TA23 |
| OVERALL HEIGHT | 13.5" / 343MM | 13.5" / 343MM | 13.5" / 343MM | 13.5" / 343MM |
| OVERALL LENGTH | 25.8" / 655MM | 10" / 254MM | 25.8" / 655MM | 47.5" / 1206MM |
| OVERALL WIDTH | 4" / 102MM | 47.5" / 1206MM | 47.5" / 1206MM | 47.5" / 1206MM |
| WEIGHT | 8.95 LBS. | 8.95 LBS. | 8.95 LBS. | 8.95 LBS. |
| EPA* | 0.87 | 1.44 | 1.62 | 1.62 |

TM-30 DATA

COLOR VECTOR GRAPHIC

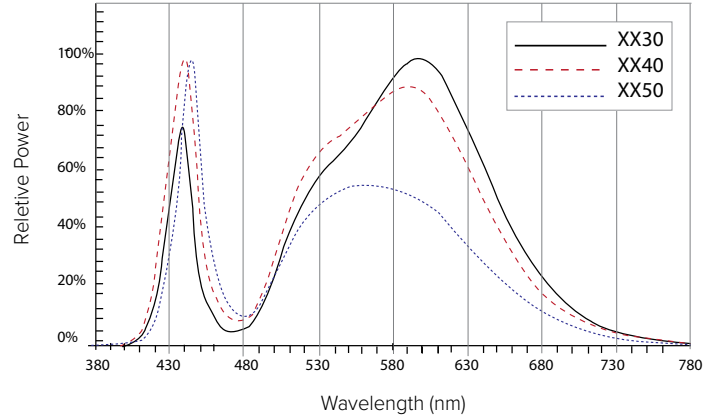


— Reference Illuminant — Test Source

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 | | |
| | | | | | 20XX | 500 | | | | 24 | 120-277 | 50/60 | 0.2 | | |
| 30XX | 700 | 33 | 120-277 | 0.3 | 0.1 | | | | | | | | | | |

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% | 90% | |

SENSOR DETECTION RANGE

| | | SENSOR MOUNTING HEIGHT | | | | | | | | | | RATIO | |
|-------------------|-----|------------------------|-----|-----|-----|-----|-----|-----|-------|-----|-------|-------|-------|
| | | 8' | 10' | 12' | 14' | 16' | 18' | 20' | 25' | 30' | 35' | | 40' |
| COVERAGE DIAMETER | SCP | 20' | 25' | 30' | 35' | 40' | 45' | 50' | 62.5' | 75' | 87.5' | 100' | 1:2.5 |

