**FEATURES**
- Integral Motion Sensor
- wiScape enabled
- IDA approved
- 20kV/10kA surge protection
- ANSI C136.41 receptacle
- IES Type II, III and IV distributions
- 3000K, 4000K, 5000K CCT
- Integral thermal protection
- 0-10V dimming ready
- IP66 optical system
- 120-277, 347 and 480VAC input
- Staggered twin mounting
- ANSI C136.31-2010 4G Rated

**ORDERING CODE**

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Optics</td>
<td>Optical Finish</td>
<td>Light Engine</td>
<td>Controls</td>
<td>Fuse</td>
<td>Voltage</td>
<td>Mounting</td>
<td>Mounting Options</td>
<td></td>
</tr>
</tbody>
</table>

**1. MODEL**
- 5" wide luminaire
  - K51 Single fixture
  - K52 Two fixtures 180° apart
  - K53 Three fixtures 90° apart
  - K54 Four fixtures 90° apart

**2. OPTICS**
- Distribution Type, see "Luminaire Performance" on page 3
  - T2 IES Type II
  - T3 IES Type III
  - T4 IES Type IV

**3. OPTICAL FINISH**
- Standard white or may choose one. See "Luminaire Performance" on page 3 for detail.
  - MO Optics in Matte Black finish
  - FO Optics in fixture finish

**4. LIGHT ENGINE**
- See "Luminaire Performance" on page 3 for detail.
  - 18050 18,000 nominal lumens, 5000K CCT, 174 watts
  - 18040 18,000 nominal lumens, 4000K CCT, 174 watts
  - 18030 18,000 nominal lumens, 3000K CCT, 174 watts
  - 12050 12,000 nominal lumens, 5000K CCT, 122 watts
  - 12040 12,000 nominal lumens, 4000K CCT, 122 watts
  - 12030 12,000 nominal lumens, 3000K CCT, 122 watts
  - 9050 9,000 nominal lumens, 5000K CCT, 87 watts
  - 9040 9,000 nominal lumens, 4000K CCT, 87 watts
  - 9030 9,000 nominal lumens, 3000K CCT, 87 watts
  - 560mm monochromatic amber and or custom lumens package available by request.

**5. CONTROL OPTIONS**
- MCPKR 7-pin Receptacle
- WIR wiScape connectivity
- WIRSC wiScape + motion sensor
- SCP Motion sensor + Photocell
- SWP SiteSync Pre-commissioned
- SWPM SiteSync Pre-commissioned + Motion Sensor

**Accessories:**
- SCPREMOTE Handheld commissioning tool
- SWUSB SiteSync loaded on USB flash drive (Windows® operating system only)
- SWTAB SiteSync Windows® based Tablet
- SWBRG SiteSync Wireless Bridge Node
- SW7PR SiteSync 7-Pin Module
- NXOFM-1RID-UNV NX 7-pin Module

**6. FUSE**
- May choose one
  - SF 120, 277, 347 Volt input
  - DF 208, 240, 460 Volt input

**7. VOLTAGE**
- 120-277VAC input standard or may choose one
  - 347 347VAC input
  - 480 480VAC input

**8. MOUNTING**
- Integral Aluminum Pole
  - PS510-188 10' luminaire height
  - PS512-188 12' luminaire height
  - PS514-188 14' luminaire height
  - PS516-188 16' luminaire height
  - PS518-188 18' luminaire height
  - PS520-188 20' luminaire height

- Integral Steel Pole
  - PS525-250 25' luminaire height
  - PS530-250 30' luminaire height

**Tenon Mount**
- TA23 Slips over a 2 3/8" / 60mm Ø x 4" / 102mm tall tenon

**Side Mount**
- SMK Mounts to the side of a square pole, K51 only

**Wall Mount**
- WMK K51 only

**9. MOUNTING OPTIONS**
- Twin mount at staggered heights
  - Mounting holes for a fixture at 180°, K51...

**Pole Accessories**
- May choose one
  - GFI GFQ receptacle, 24" from top of pole
  - RBC Duplex receptacle box with clear cover, wiring device(s) not included

**10. FIXTURE FINISH**
- Standard Color
  - AGN Antique Green
  - BL Black
  - BLT Matte Black
  - CRT Corten
  - DB Dark Bronze
  - DGN Dark Green
  - GT Graphite
  - LG Light Grey
  - MAL Matte Aluminum
  - MDB Bronze Metallic
  - MG Medium Grey
  - TT Titanium
  - WH Arctic White
  - WDB Weathered Bronze
  - VBU Verde Blue
- Premium Color
  - SHK Shamrock
  - SPP Salt and Pepper
  - SFM Seafarer
  - WCP Weathered Copper
  - RAL RAL 4 digit Color
  - CUSTOM Custom Color

---

**NOTES**
1. Contact factory
4. Handheld commissioning tool is required to separately configure or adjust any number of SCP sensors
5. Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node.
6. When ordering with SiteSync, one of the following interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.
**Side Mounted Luminaire**

Mounts to the side of 5’/127mm square pole.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>K51-…-SMK</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERALL HEIGHT</td>
<td>15.7” / 399mm</td>
</tr>
<tr>
<td>OVERALL LENGTH</td>
<td>38.6” / 980mm</td>
</tr>
<tr>
<td>OVERALL WIDTH</td>
<td>5” / 127mm</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>EPA</td>
<td>1.4</td>
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</table>

**Integral Pole Luminaire**

See page 6 for height and mounting detail

* Weight and EPA for fixtures only

**Tenon Mount Luminaire**

Slips over a 2 3/8”/60mm diameter by 4”/102mm tall tenon
KicK™ – K5 Medium Scale

LUMINAIRE PERFORMANCE

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Bright White (5000K)</th>
<th>Neutral White (4000K)</th>
<th>Warm White (3000K)</th>
<th>Average System Watts</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Delivered Lumens</td>
<td>Efficacy (Lm/W)</td>
<td>BUG Rating</td>
<td>Delivered Lumens</td>
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<tr>
<td>Light Engine</td>
<td>Ordering Code</td>
<td>B</td>
<td>U</td>
<td>G</td>
</tr>
<tr>
<td>Standard White</td>
<td>Type 2</td>
<td>T2</td>
<td>17910</td>
<td>103</td>
</tr>
<tr>
<td>Fixure Matched</td>
<td>Type 3</td>
<td>T3</td>
<td>17721</td>
<td>102</td>
</tr>
<tr>
<td>Matte Black</td>
<td>Type 4</td>
<td>T4</td>
<td>18763</td>
<td>108</td>
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<tr>
<td>18000 series</td>
<td>Type 2</td>
<td>T2-FO</td>
<td>14593</td>
<td>84</td>
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<td></td>
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<td>12000 series</td>
<td>Type 2</td>
<td>T2-MO</td>
<td>15135</td>
<td>88</td>
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<td>T2-FO</td>
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<td></td>
<td>Type 4</td>
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<td>11789</td>
<td>97</td>
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Results derived from content of manufacturers photometric file. Calculations based on published IES Methods and recommendations.


ISOLINE TEMPLATES 30’ Mounting Height

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Ordering Code</th>
<th>LED Current (mA)</th>
<th>System Wattage (W)</th>
<th>Input</th>
<th>Min. Power Factor</th>
<th>Max THD (%)</th>
<th>Dimming Range (V)</th>
<th>Source/ Sink Current (mA)</th>
<th>Inrush Current Peak</th>
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<tbody>
<tr>
<td>18000 series</td>
<td>Type 2</td>
<td>T2</td>
<td>10103</td>
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<td>2</td>
<td>9895</td>
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<td>T3</td>
<td>9920</td>
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<td>9715</td>
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<td>10223</td>
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<td>12000 series</td>
<td>Type 2</td>
<td>T2-MO</td>
<td>10821</td>
<td>89</td>
<td>2</td>
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<td>10821</td>
<td>89</td>
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<td>0</td>
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<td>10593</td>
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<td>T4-MO</td>
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<td>8027</td>
<td>93</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>8744</td>
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</tbody>
</table>

- MO files should be used for - FO configurations in application layouts.

ARCHITECTURAL AREA LIGHTING
17760 Rowland Street | City of Industry | CA 91748
P 626.968.5666 | F 626.369.2695 | www.aal.net
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KicK™ – K5 Medium Scale

SENSOR DETECTION RANGE

<table>
<thead>
<tr>
<th>SENSOR MOUNTING HEIGHT</th>
<th>RATIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>8’</td>
<td>10’</td>
</tr>
<tr>
<td>SCP</td>
<td>20’</td>
</tr>
<tr>
<td>WIRSC</td>
<td>16’</td>
</tr>
</tbody>
</table>

TM-21 LIFETIME CALCULATION

<table>
<thead>
<tr>
<th>Ambient Environment °C</th>
<th>Projected Lumen Maintenance (Khrs)</th>
<th>Reported L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>25 50 60 (TM-21) 75 100</td>
<td>&gt;60 Khrs.</td>
</tr>
<tr>
<td>40</td>
<td>98% 97% 96% 95% 94%</td>
<td></td>
</tr>
</tbody>
</table>

COLOR CHARACTERISTICS

<table>
<thead>
<tr>
<th>Value</th>
<th>Ordering Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX30</td>
<td>XX40 XX50</td>
</tr>
<tr>
<td>RF</td>
<td>69 69 71</td>
</tr>
<tr>
<td>Rg</td>
<td>99 99 98</td>
</tr>
<tr>
<td>CCT(K)</td>
<td>3122 3852 5020</td>
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<tr>
<td>Duv</td>
<td>0.001 0.0004 0.0005</td>
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<tr>
<td>CIE Ra</td>
<td>74 73 74</td>
</tr>
</tbody>
</table>

Note: TM-30 reported at the discrete LED level, not fixture level.

DIMMING CURVE

Note: Fixture does not dim to off, fixture dims to 10% minimum output.

SPECTRAL POWER DISTRIBUTION COMPARISON

COLOR VECTOR GRAPHIC
**SPECIFICATIONS**

**HOUSING**
- Housing shroud shall be of fabricated 5052-H32 aluminum alloy with a rear mounting interface that shall be of fabricated 304 stainless steel.
- Housing mounting interface shall have a stamped silicone gasket.
- Luminaire housing shall be free of any visible heat fins, hardware or fasteners.
- Bracketry and hardware shall be stainless steel.

**OPTICAL ARRAY**
- LEDs shall be mounted to a metal printed circuit board assembly (MCPCB) with a uniform conformal coating over the panel surface and electrical features.
- Optical lenses shall be clear injection molded PMMA acrylic.
- Each MCPCB and optic shall be sealed to an extruded 6063-T6 aluminum alloy heat spreader and sealed with a continuous one piece injection molded silicone rubber gasket, IP66.
- Patent Pending design of optical array shall independently shield each LED optic across the length of the aperture.
- Optical surfaces shall be 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) shall not exceed BUG ratings of the optional matte black optical surface finish (MO).

**ELECTRICAL**
- Drivers shall be in direct contact with the aluminum housing across the entire surface area of the widest face for maximum thermal transfer.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array shall have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Luminaire not configured with a control system or ANSI C136 receptacle option shall be provided with 0-10 purple and gray dimming leads.
- Luminaire shall be listed with UL for indoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250.
- Luminaire shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard B/20uSec wave and surge rating of 372J. Surge protection device shall be wired in series.
- Drivers shall be U.L. recognized.
- Drivers shall not be 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.
- Tenon mount luminaires require assembly of fixture(s) to the pole, mounting hardware, anchor bolts and anchor bolt template shall be included. *See page 6 for additional considerations specific to the integral pole.*

**SERVICING**
- Service access to the optical array and driver assembly shall be via a tool-less internal latch and have an audible click.
- Optical array shall be able to hang freely in an open service position for inspection of internal wire connections. Once in service position, the optical array shall be able to be removed for service by lifting the assembly up off the rear hinge and disconnecting the wiring plugs.
- Driver assembly shall be mounted to a prewired internal tray with quick disconnects for removal.

**CERTIFICATION**
- Luminaire shall be 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.

**WARRANTY / TERMS AND CONDITIONS OF SALE**
Download: http://www.hubbellighting.com/resources/warranty/
CONSTRUCTION

- Aluminum pole bases shall be cast aluminum #356 alloy and be heat treated to a T-6 condition.
- Aluminum pole shafts shall be extruded aluminum 6061 alloy and heat treated to a T-6 condition.
- Aluminum poles shall have a one-piece base cover included standard.
- Steel poles shall be one-piece straight steel with square cross section, flat sides and minimum 0.238” radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36).
- Steel poles shall have a two-piece square aluminum base cover included standard.
- All poles shall be supplied with removable top cap.
- All poles shall have a hand hole with mounting provisions for grounding lug located behind a gasket lined cover.
- Anchor bolts shall be 1” x 36” x 4” hot dip galvanized steel, with two galvanized washers and two galvanized nuts per bolt.
- Bolt circle template shall be provided.

WARNINGS

- Caution must be exercised in the selection of a design wind speed when the pole is to be installed in a special wind region (as indicated by the wind map) or in an area where wind speed is unpredictable.
- AAL recommends consulting a local engineer when the pole is to be installed in an area that may be subject to vibration, oscillations, and other fatigue effects which are not covered by the AAL warranty.
- The use of banners or other appendages can severely affect the loading of a pole. No banner or other appendage may be attached to an AAL pole unless approved by AAL.
- If the products are to be used on an existing foundation or on other structures, the customer assumes all responsibility for the structural integrity of the existing foundation, anchorage or structures and all the consequences arising there from.

CAUTION

- Poles should never be erected without the luminaire installed. Warranty is voided if the pole is erected without the luminaire.