

SENSCAPE™

Luminaires for Parks, Campus and Commercial Areas

SA18 SERIES

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

PRODUCT FEATURES:

- » Architectural, modern design aesthetic scaled for mounting heights of 9-20 feet
- » Multiple mounting configuration and optical distribution options to suit all common area lighting scenarios
- » TekLink advanced wireless networked control and innovative Integrated Camera Module options
- » Lumen outputs up to 16,000lm with color temperatures ranging from 3000K to 5000K



POST TOP MOUNT

POLE MOUNT

WALL MOUNT

SPECIFICATIONS

HOUSING: Marine-grade die-cast aluminum construction. Integral aluminum heat sink with concealed air inlet and convection fins. All power electronics removed from primary thermal path; all drivers with dedicated heatsink to exterior of luminaire. TGIC polyester powder coat finish with five-step pre-treatment; salt-spray test 1,000 hours. See Ordering Information for available finishes. Closed-cell silicone gasketing at all housing interfaces.

MOUNTING: Post Top: Fitter assembly mounts over a 2-3/8" tenon on 3, 4 and 5 inch round and square poles and secured via four (4), corrosion resistant set screws. Fitter design provides gentle transition to 3" O.D. round pole. Pole Mount: Internal bracket and hardware provided for drilled round and square 3 inch and larger poles. Wall Mount: Quick and simple mounting bracket allows four point mounting to rigid walls.

OPTICS: Type II, III, IV and V Square optical distributions. Each type available with Narrow, Medium and Wide options for glare mitigation (Wide has the lowest level of glare mitigation, Narrow the highest). Internal house-side shield available (does not impact EPA). Injection-molded acrylic or polycarbonate tertiary outer lens.

ELECTRICAL: Replaceable high-brightness LED array. See Ordering Information for color temperature options. 120-277VAC or 277-480VAC, 50/60Hz input with replaceable high power factor electronic constant-current driver (<10% THD, >0.95 PF). Standard 0-10V dimming with 10-100% range; 0.9mA max source current. Minimum 85% driver efficiency. EMC performance compliant with FCC CFR Part 15. Serviceable surge protection device rated to 6kV per ANSI C62.41-2002 category C low.

TEKLINK TL2000: An adaptive lighting control system that utilizes a wireless communication scheme between system nodes. In addition to occupancy detection via camera and daylight harvesting, the TL2000 system features advanced scheduling and energy management capabilities with cloud-based control of system settings, reporting, and notifications.

INTEGRATED CAMERA MODULE: Flexible integration with 3rd party video or security platforms via WiFi or Ethernet. Camera supports 1080p at 30 frames per second. The ICM option is a stand-alone camera independent of the TekLink system.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric data, please go to www.kenall.com.

WARRANTY: Limited five (5) year warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP65 rating per IEC 60598. Luminaire is 3G tested for vibration per ANSI C136.31. Suitable for installation into -40°C to 40°C ambient environments.



ORDERING INFORMATION (Ex: SA18-PM-MB-4-M-H-P-115L-40K8-DCC-CV)

| Model | Mounting | Finish | Distribution | Diffusion | House-Side | Lens Type | Lamp Power | Lamp Color | Driver | Voltage | Options | TekLink | Controls Kit |
|--------------------------|--------------------------------|--------------------------|---------------------------------------------|----------------------|-------------------|--------------------------------|----------------|------------------------------------------------------------------------------------------|--------|---------|------------|---------|--------------|
| SA18 | | | | | | | | | | | DCC | < > | < > |
| Mounting | | Diffusion | | | Lamp Color | | TekLink | | | | | | |
| PT | Post Top Mount | N | Narrow (Full Diffusion) | 30K8 | 3000K/80CRI min | TL2000* | | Wireless Network Control - Advanced (Click here for specifications) | | | | | |
| PM | Pole Mount | M | Medium (Softened Diffusion) | 40K7 | 4000K/70CRI min | | | | | | | | |
| WM | Wall Mount | W | Wide (Clear) | 40K8 | 4000K/80CRI min | | | | | | | | |
| Finish | | House-Side Shield | | Driver Type | | | | | | | | | |
| MW | Matte White (PCTT80126) | H* | House-Side Shield | DCC | | 0-10V Dimming Constant Current | | | | | | | |
| LG | Light Gray (PCTT70124) | S | No House-Side Shield | Input Voltage | | | | | | | | | |
| BR | Bronze (PCTT25109) | Lens Type | | DV | | 120-277VAC, 50/60Hz | | | | | | | |
| DB | Dark Bronze (PCTT20123) | P | Polycarbonate | CV | | 277-480VAC, 50/60Hz | | | | | | | |
| MB | Matte Black (PCTT90115) | Lamp Power | | | | | | | | | | | |
| IV | Ivory (PPL92485) | 30L | 30W LED | | | | | | | | | | |
| FG | Forest Green (PLGT3) | 45L | 45W LED | | | | | | | | | | |
| SL | Silver (PCTT75112) | 70L | 70W LED | | | | | | | | | | |
| CC | Custom Color (consult factory) | 90L | 90W LED | | | | | | | | | | |
| Distribution Type | | 115L | 115W LED | | | | | | | | | | |
| 2 | Type II | Options | | | | | | | | | | | |
| 3 | Type III | RL† | Rotate optics 90 degrees left | | | | | | | | | | |
| 4 | Type IV | RR† | Rotate optics 90 degrees Right | | | | | | | | | | |
| 5S | Type V Square | FS | Single Fuse & Holder | | | | | | | | | | |
| | | N7P* | NEMA 7 Pin Receptacle (Photocell by others) | | | | | | | | | | |
| | | ICM** | Integrated Camera Module | | | | | | | | | | |
| | | BG | Bird Guard | | | | | | | | | | |

Please consult Kenall Applications if your application requirements are not listed here.

Controls Kit
< > Factory Assigned Internal Code

* n/a with 5S Distribution Type
 † Flexible integration with 3rd party video or security platforms via WiFi or Ethernet (CAT5). Embedded camera supports 1080p at 30 frames per second. n/a with TL2000.
 ‡ n/a with PT Mounting or 5S Distribution Type
 ▼ N7P, ICM and TL2000 are not available in conjunction



SENSCAPE™

Luminaires for Parks, Campus and Commercial Areas

SA18 SERIES

PERFORMANCE

| Optic Type | Optic Width | House-Side Shield | Lens Type | Luminaire Performance, by Lamp Power | | | | | | | | | |
|----------------------------|-------------|-------------------|-----------|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|
| | | | | 30L | | 45L | | 70L | | 90L | | 115L | |
| | | | | Lumens (lm) | BUG Rating | Lumens (lm) | BUG Rating | Lumens (lm) | BUG Rating | Lumens (lm) | BUG Rating | Lumens (lm) | BUG Rating |
| Type II | N | H | P | 1,738 | B1-U0-G1 | 2,658 | B1-U0-G1 | 3,540 | B1-U0-G1 | 4,223 | B1-U0-G1 | 6,471 | B2-U0-G1 |
| | | S | | 3,712 | B1-U0-G1 | 5,678 | B2-U0-G1 | 7,562 | B2-U0-G2 | 9,021 | B3-U0-G2 | 13,825 | B3-U0-G2 |
| | M | H | | 1,994 | B0-U0-G0 | 3,051 | B0-U0-G1 | 4,062 | B1-U0-G1 | 4,847 | B1-U0-G1 | 7,427 | B1-U0-G1 |
| | | S | | 3,937 | B1-U0-G1 | 6,022 | B2-U0-G1 | 8,020 | B2-U0-G2 | 9,568 | B2-U0-G2 | 14,662 | B3-U0-G2 |
| | W | H | | 2,217 | B0-U0-G0 | 3,391 | B0-U0-G1 | 4,515 | B0-U0-G1 | 5,387 | B1-U0-G1 | 8,255 | B1-U0-G2 |
| | | S | | 4,107 | B1-U0-G1 | 6,283 | B2-U0-G1 | 8,367 | B2-U0-G2 | 9,982 | B2-U0-G2 | 15,297 | B3-U0-G2 |
| Type III | N | H | P | 1,662 | B1-U0-G0 | 2,543 | B1-U0-G1 | 3,386 | B1-U0-G1 | 4,040 | B1-U0-G1 | 6,191 | B2-U0-G1 |
| | | S | | 3,757 | B1-U0-G1 | 5,747 | B2-U0-G1 | 7,654 | B2-U0-G2 | 9,131 | B3-U0-G2 | 13,993 | B3-U0-G3 |
| | M | H | | 1,906 | B0-U0-G1 | 2,915 | B0-U0-G1 | 3,882 | B1-U0-G1 | 4,631 | B1-U0-G1 | 7,097 | B1-U0-G1 |
| | | S | | 4,004 | B1-U0-G1 | 6,125 | B2-U0-G1 | 8,157 | B2-U0-G2 | 9,732 | B2-U0-G2 | 14,914 | B3-U0-G2 |
| | W | H | | 2,102 | B0-U0-G0 | 3,216 | B0-U0-G1 | 4,283 | B1-U0-G1 | 5,110 | B1-U0-G1 | 7,830 | B1-U0-G2 |
| | | S | | 4,114 | B1-U0-G1 | 6,293 | B2-U0-G1 | 8,380 | B2-U0-G2 | 9,998 | B2-U0-G2 | 15,321 | B3-U0-G3 |
| Type IV | N | H | P | 1,834 | B1-U0-G1 | 2,806 | B1-U0-G1 | 3,737 | B1-U0-G1 | 4,458 | B1-U0-G1 | 6,832 | B2-U0-G1 |
| | | S | | 3,862 | B1-U0-G1 | 5,907 | B2-U0-G1 | 7,867 | B3-U0-G2 | 9,385 | B3-U0-G2 | 14,383 | B3-U0-G3 |
| | M | H | | 2,066 | B0-U0-G1 | 3,161 | B1-U0-G1 | 4,209 | B1-U0-G1 | 5,022 | B1-U0-G1 | 7,696 | B1-U0-G1 |
| | | S | | 4,064 | B1-U0-G1 | 6,216 | B2-U0-G1 | 8,278 | B2-U0-G2 | 9,876 | B3-U0-G2 | 15,135 | B3-U0-G2 |
| | W | H | | 2,307 | B0-U0-G0 | 3,529 | B0-U0-G1 | 4,700 | B1-U0-G1 | 5,607 | B1-U0-G1 | 8,592 | B1-U0-G2 |
| | | S | | 4,162 | B1-U0-G1 | 6,367 | B2-U0-G1 | 8,479 | B2-U0-G2 | 10,116 | B2-U0-G2 | 15,502 | B3-U0-G2 |
| Type V Square | N | S | P | 3,960 | B2-U0-G1 | 6,058 | B2-U0-G1 | 8,067 | B2-U0-G1 | 9,624 | B3-U0-G1 | 14,749 | B3-U0-G1 |
| | M | | | 4,177 | B2-U0-G1 | 6,390 | B2-U0-G1 | 8,509 | B3-U0-G1 | 10,151 | B3-U0-G1 | 15,557 | B3-U0-G2 |
| | W | | | 4,327 | B2-U0-G1 | 6,619 | B3-U0-G1 | 8,815 | B3-U0-G1 | 10,516 | B3-U0-G1 | 16,116 | B4-U0-G2 |
| Input Power (W) | | | | 35 | | 54 | | 78 | | 100 | | 141 | |
| Input Current @ 277VAC (A) | | | | 0.137 | | 0.201 | | 0.294 | | 0.377 | | 0.521 | |
| Calculated L70 (Hrs) | | | | 110,000 | | 90,000 | | 75,000 | | 65,000 | | 80,000 | |

NOTE: Product performance provided with 40K7 lamp color. See Lamp Color Scaling Table for lumen multiplier required when specified in alternate colors. Information subject to change without notice. Please see www.kenall.com for additional information and .IES files.

LAMP COLOR SCALING FACTOR

| Lamp Power | 30K8 | 40K7 | 40K8 | 50K7 |
|------------|------|------|------|------|
| ALL | 0.92 | 1.00 | 0.94 | 1.01 |

EPA DATA

| Mounting | Pole Mount | Post Top |
|----------|------------|-----------|
| EPA | 0.577 ft² | 0.769 ft² |
| Weight | 20 lbs | 20 lbs |

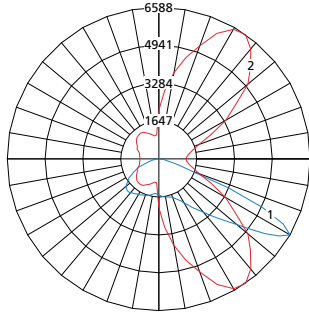


SENSCAPE™
Luminaires for Parks, Campus and Commercial Areas
SA18 SERIES

For additional photometry, go to www.kenall.com

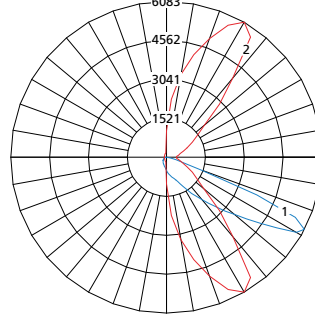
PERFORMANCE

Model: SA18-yy-zz-2-W-S-P-90L-40K7-DCC-DV



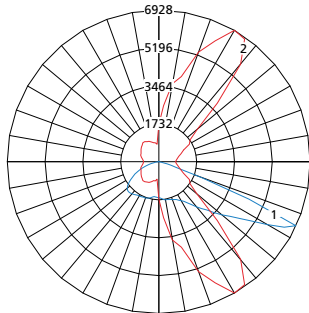
Max Candela = 6588 Located At Horizontal Angle = 55, Vertical Angle = 60
 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

Model: SA18-yy-zz-2-W-H-P-90L-40K7-DCC-DV



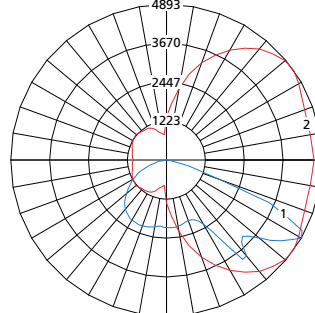
Max Candela = 6083 Located At Horizontal Angle = 60, Vertical Angle = 62.5
 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

Model: SA18-yy-zz-3-W-S-P-90L-40K7-DCC-DV



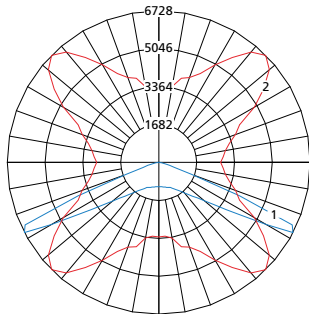
Max Candela = 6928 Located At Horizontal Angle = 60, Vertical Angle = 65
 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

Model: SA18-yy-zz-4-W-S-P-90L-40K7-DCC-DV



Max Candela = 4893 Located At Horizontal Angle = 35, Vertical Angle = 60
 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

Model: SA18-yy-zz-5S-W-S-P-90L-40K7-DCC-DV



Max Candela = 6728 Located At Horizontal Angle = 45, Vertical Angle = 62.5
 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)



www.kenall.com

P: 800-4-Kenall

F: 262-891-9701

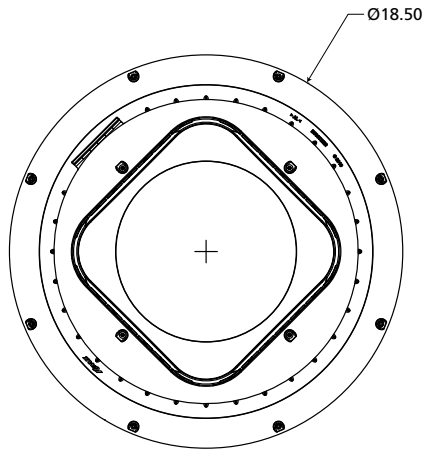
10200 55th Street Kenosha, Wisconsin 53144

A brand of legrand

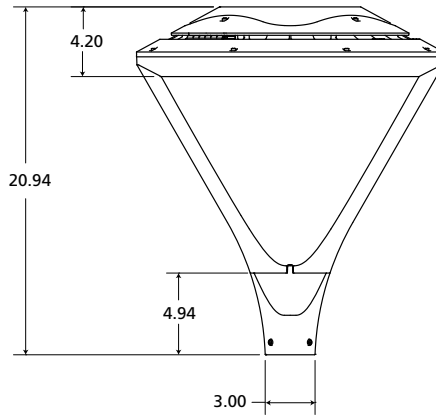
This product may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details.
 © 2022 Kenall Mfg. Co. All rights reserved.

SENSCAPE™
 Luminaires for Parks, Campus and Commercial Areas
SA18 SERIES

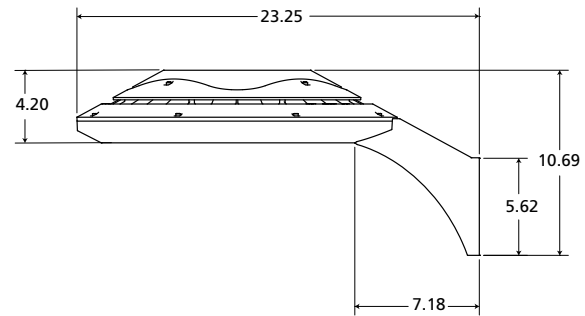
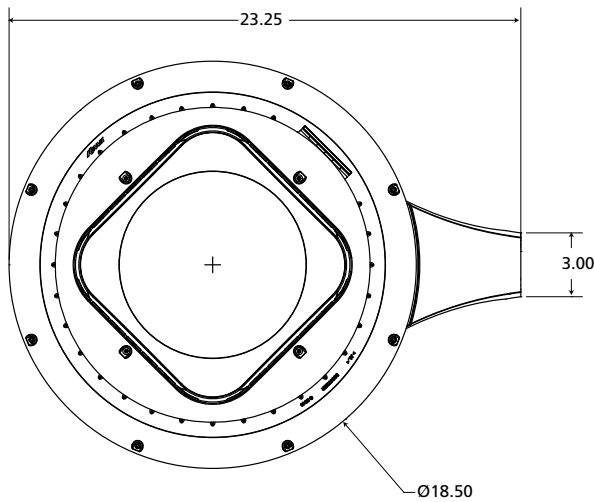
DIMENSIONAL DATA



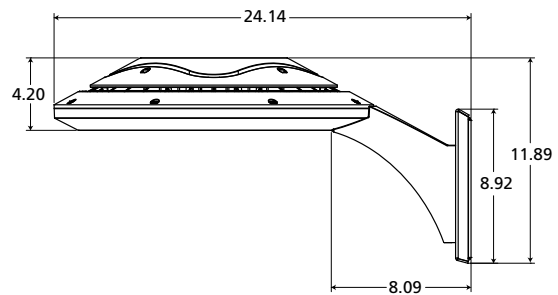
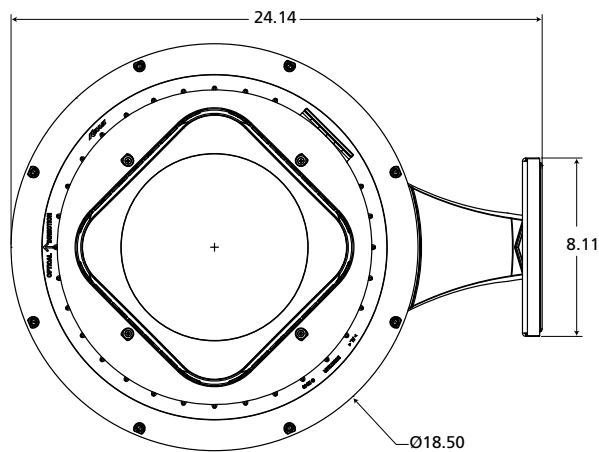
Post Top Mount



Pole Mount



Wall Mount



www.kenall.com

P: 800-4-Kenall

F: 262-891-9701

10200 55th Street Kenosha, Wisconsin 53144

A brand of **legrand**

This product may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details.
 © 2022 Kenall Mfg. Co. All rights reserved.