

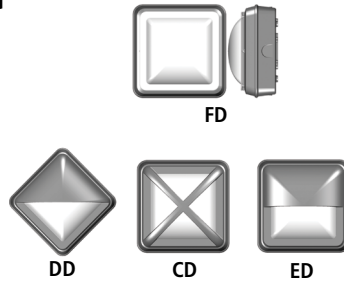
MILLENIUM™ SQUARE

MS11 SERIES – DEEP PROFILE HOUSING

| PROJECT INFORMATION | |
|---------------------|-------|
| Job Name | _____ |
| Fixture Type | _____ |
| Catalog Number | _____ |
| Approved by | _____ |

PRODUCT FEATURES:

- » Surface mount – ceiling (FD & CD only) or wall mount; 12"W×12"W×6"D (CD, ED, FD) 16"W×16"W×7"D (DD)
- » Peace of Mind Guarantee®
- » Dust and water protected to IP64 standards



SPECIFICATIONS

HOUSING: Marine grade die-cast aluminum. Integral heat sinks. Housing flange interlocks and wraps around lens base producing maximum moisture deflection and resistance to prying. Housing provided with four standoff mounting holes, one 3/4" NPT tapped hole on back of housing, four 3/4" NPT tapped and plugged holes on sides of housing – see Dimensional Data. Standard matte black, dark bronze or matte white exterior TGIC polyester powder coat – 5-step pre-treatment. See Ordering Information for optional finishes.

REFLECTOR: Full reflector/wire cover – 92% reflectivity.

LENS: UV-stabilized, high impact resistant, virgin injection molded polycarbonate. High efficiency blonded fluted lens maximizes uniformity. Lens secured with four concealed captive Torx® with center pin fasteners. Exclusive water channeling lens design provides 360° ingress protection.

LENS BASE/EYELID: High impact resistant, injection molded matte black, dark bronze or matte white polycarbonate. Optional Light Gray, Silver, Forest Green or Custom Color (see Ordering Information below) are chemically bonded, impact resistant finishes.

GASKETING: Die-cut, closed cell EPDM self adhesive gasket seals housing to mounting surface. Closed cell, silicone "O" ring gaskets positioned and friction secured in gasket channels of lens base and housing.

HARDWARE: Four stainless steel Torx® T-20 with center pin fasteners.

ELECTRICAL: Available in 3500K, 4000K, and 5000K color temperatures, 80 CRI. 120-277VAC, 50/60Hz electrical input with high power factor electronic, constant-current driver (>.90 PF). Standard 0-10V dimming with 1-100% range; maximum driver source of 200 µA. Optional embedded microwave motion sensor (MS) has factory default settings of 20 minute time out, dims down to 30%.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here](#).

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

WARRANTY: Limited five (5) year LED warranty. [Peace of Mind Guarantee against breakage](#).

LISTINGS: UL and CUL listed for Wet Location (listing includes Emergency Battery Pack "LEL" option). UL certified IP64 per IEC 60598.



ORDERING INFORMATION (Ex: MS11FD-PP-MW-20L40K-DV)

| Model | Lens Type | Finish | Lamp Type | Voltage | Options |
|------------------|--------------------------------|--------|------------------|-------------------|--|
| PP | | | | | |
| Model | | | Lamp Type | | Options |
| MS11CD | Cross | | 10L35K | 10 Watt 3500K LED | LEL LED Emergency Battery Backup (n/a with 347V; also n/a with 50L) |
| MS11DD | Diamond Eyelid | | 10L40K | 10 Watt 4000K LED | BPC* Photo Control – Shielded Button Type (120V or 277V only) |
| MS11ED | Eyelid | | 10L50K | 10 Watt 5000K LED | 20KV 20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat. A |
| MS11FD | Full Face | | 20L35K | 20 Watt 3500K LED | FS Single Fuse & Holder |
| | | | 20L40K | 20 Watt 4000K LED | NAT Natatorium Environment Option |
| | | | 20L50K | 20 Watt 5000K LED | MS Motion Sensor (n/a with 347V) |
| Lens Type | | | 50L35K† | 50 Watt 3500K LED | |
| PP | Pearlescent Polycarbonate | | 50L40K† | 50 Watt 4000K LED | |
| | | | 50L50K† | 50 Watt 5000K LED | |
| Finish | | | Voltage | | |
| DB | Dark Bronze | | 120 | 120 Volts | † Available with MS11CD and MS11FD only |
| FG | Forest Green | | 277 | 277 Volts | * BPC n/a in conjunction with LEL or MS options |
| LG | Light Gray | | 347 | 347 Volts | |
| MB | Matte Black | | DV | 120-277 Volts | |
| MW | Matte White | | | | |
| SL | Silver | | | | |
| CC | Custom Color (Consult factory) | | | | |



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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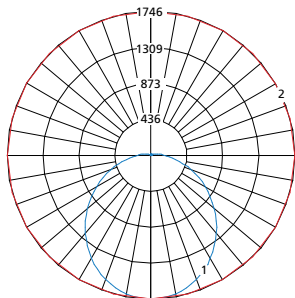
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PERFORMANCE

| Model | Lamp Type | Initial Delivered Lumens | | Input Power (W) | Drive Current (mA) | Estd. L70 LED Life (hrs) |
|--------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
| | | @ 25°C (lm) | Efficacy (lm/W) | | | |
| MS11FD | 10L35K | 1,307 | 102 | 13 | 94 | 130,000 |
| | 10L40K | 1,307 | 102 | 13 | 94 | 130,000 |
| | 10L50K | 1,425 | 111 | 13 | 94 | 130,000 |
| | 20L35K | 2,523 | 106 | 24 | 94 | 130,000 |
| | 20L40K | 2,523 | 106 | 24 | 94 | 130,000 |
| | 20L50K | 2,750 | 116 | 24 | 94 | 130,000 |
| | 50L35K | 5,386 | 92 | 58 | 117 | 60,000 |
| | 50L40K | 5,386 | 92 | 58 | 117 | 60,000 |
| | 50L50K | 5,871 | 101 | 58 | 117 | 60,000 |
| MS11CD | 10L35K | 1,050 | 82 | 13 | 94 | 130,000 |
| | 10L40K | 1,050 | 82 | 13 | 94 | 130,000 |
| | 10L50K | 1,144 | 89 | 13 | 94 | 130,000 |
| | 20L35K | 2,026 | 85 | 24 | 94 | 130,000 |
| | 20L40K | 2,026 | 85 | 24 | 94 | 130,000 |
| | 20L50K | 2,208 | 93 | 24 | 94 | 130,000 |
| | 50L35K | 4,740 | 81 | 58 | 117 | 60,000 |
| | 50L40K | 4,740 | 81 | 58 | 117 | 60,000 |
| | 50L50K | 5,166 | 89 | 58 | 117 | 60,000 |
| MS11DD | 10L35K | 1,070 | 84 | 13 | 54 | 130,000 |
| | 10L40K | 1,070 | 84 | 13 | 54 | 130,000 |
| | 10L50K | 1,167 | 91 | 13 | 54 | 130,000 |
| | 20L35K | 2,067 | 87 | 24 | 94 | 130,000 |
| | 20L40K | 2,067 | 87 | 24 | 94 | 130,000 |
| | 20L50K | 2,253 | 95 | 24 | 94 | 130,000 |
| MS11ED | 10L35K | 1,023 | 80 | 13 | 94 | 130,000 |
| | 10L40K | 1,023 | 80 | 13 | 94 | 130,000 |
| | 10L50K | 1,116 | 87 | 13 | 94 | 130,000 |
| | 20L35K | 1,975 | 83 | 24 | 94 | 130,000 |
| | 20L40K | 1,975 | 83 | 24 | 94 | 130,000 |
| | 20L50K | 2,153 | 91 | 24 | 94 | 130,000 |

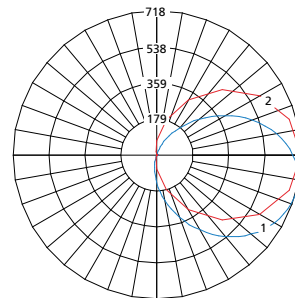
Info subject to change. Visit www.kenall.com for IES files and additional information.

Model: MS11FD-PP-MW-50L40K-DCC-DV



Max Candela = 1746 Located At Horizontal Angle = 0, Vertical Angle = 0
 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: MS11ED-PP-MW-20L40K-DCC-DV



Max Candela = 718 Located At Horizontal Angle = 0, Vertical Angle = 65
 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)



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DIMENSIONAL DATA

MS11FD, CD, ED

MS11DD

