DESCRIPTION
The RSA-MRZ family of fixtures is a multi-head, recessed group of products with an integral LED dedicated head. Each head offers four different light levels and lumen packages, with 25°, 40°, and 55° beam spreads. Four color temperatures, 2700K, 3000K, 3500K, 4000K in both 80+ and 97+ CRI are also part of the standard offering. Each head can tilt 45° out of the fixture, and rotate 365° around. The RSA-MRZ family now includes intelligent wireless controls (LumaWatt Pro powered by Enlighted) or simplified wireless controls (WaveLinx), options. Accessories include hex louver, linear spread lens, or soft focus lens. A snoot is also available for high angle glare cutoff.

SPECIFICATION FEATURES
Construction
Housing is 6063-T5 extruded aluminum, 20 gauge cold rolled steel. Each head construction is die cast metal. Flanged trim and mud-in trim available. New construction housings equivalent to remodel. Housing constructed by fasteners. Weights of full fixture assembly: Flange Trim with Sensor Weight: 16.5 lbs Mud-In Trim Weight: 17 lbs Flange Trim with Sensor Weight: 18.5 lbs

Electrical
Standard drivers feature electronic universal voltage (120-277V/ 50-60 Hz), greater than 0.9 power factor, less than 20% harmonic distortion, and features ambient temperature of 25°C (77°F), 0-10V dimming standard.

LED Optics
Each fixture head features precision moldedTIR optics made of virgin optical grade acrylic with 95% efficiency and is field changeable. Each lens is injection molded for precision optics with the choice of 25°, 40°, 55° beam spreads. The LEDs are also offered in 80+ CRI and 97+ CRI in 2700K, 3000K, 3500K, and 4000K CCT.

Mounting
Housing includes holes for tie back to structure. Knockouts are provided for threaded rods (by others) to secure fixture to structure. Provide flexible whip or conduit to fixture, and attach to fixture via knockouts on junction box side.

Finish
Fixture housing is coated using electrostatically charged polyester powder coat paint for superior protection against fade and wear. Paint Colors: B = (All Black) Black Housing/ Black Trim, W = (All White) White Housing/ White Trim. BW = Black Housing/ White Trim. Consult factory for other color options.

Compliance
Components are UL recognized and luminaires are cULus listed for 25°C ambient environments, IC rated, Chicago plenum rated, and NYC compliant. Dry listed.

Environment
Suited for indoor only, dry listing. 25°C ambient temperature.

Control
Standard offering is 0-10V dimming. Energy saving integral sensor options available. Lumawatt Pro sensors are available for building management applications. WaveLinx sensors are available for simplified controls solutions. Addressable Lighting Interface (DALI) driver option can be used with Fifth Light Technology.

Life and Warranty
Standard five-year limited warranty on all parts.

ENERGY & CONNECTED SOLUTIONS
LumaWatt Pro powered by Enlighted WaveLinx

ORDERING INFORMATION
Sample number: MRZ-3-REC-FLN-3-L35-97-FL-UNV-BW-STD-LWIPD1-LSL

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Mounting</th>
<th>Trim Type (1)</th>
<th>Light Level/ Head (2) (at 4000 K)</th>
<th>Color Temp./ Wattage</th>
<th>CRI</th>
<th>Beam Angle</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRZ</td>
<td>3</td>
<td>REC</td>
<td>REC Recessed</td>
<td>1 * 650 lumens @6W @80CRI, 500 lumens @6W @ 97CRI</td>
<td>L27 * 2700K L35 * 3500K L40 * 4000K</td>
<td>80+</td>
<td>97+</td>
<td>UNV * 120-277V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FLN</td>
<td>Flanged</td>
<td>2 * 900 lumens @9W @80CRI, 700 lumens @9W @ 97CRI</td>
<td>FNL * 25° Flood FLF * 40° Flood WFL * 55° Wide Flood</td>
<td>5 LTHD * Fifth Light DALI (1-100)</td>
<td>LWIPD1 LumaWatt Pro Integral Wireless Sensor SWPD1 WaveLinx Integral Wireless Sensor REM * Remote Emergency Battery CP * Chicago Plenum HEX * Hex Louver LSL * Linear Spread Lens SFL * Soft Focus Lens SNT * Snoot BF Butterfly Brackets</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUD</td>
<td>Mud-In</td>
<td>3 * 1300 lumens @12W @80CRI, 1000 lumens @12W @ 97CRI</td>
<td>3-Head LED Multi-Head Configuration</td>
<td>55</td>
<td>1 of 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STD</td>
<td>Standard</td>
<td>4 * 1700 lumens @16W @80CRI, 1300 lumens @16W @ 97CRI</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>HCD</td>
<td>0-10V</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>DCD</td>
<td>0-10V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>DTL</td>
<td>55° Flood</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**ADDITIONAL OPTIONS AND VIEWS**

**Mud-In Trim**

- a: 7.41" 188 mm
- b: 5.25" 134 mm
- c: 15.75" 401 mm
- d: 8.95" 228 mm
- e: 3.17" 81 mm (diam)

**Flange Trim with LumaWatt Pro Sensor UWPD1 Sensor (WaveLinx sensor, SWPD1, also available)**

- a: 1.36" 34 mm (diam)
- b: 2.01" 51 mm
- c: 18.50" 470 mm
- d: 6.65" 169 mm
- e: 0.16" 5 mm

**Rotational Details**

Rotation of 45° per fixture head, and 365° in plan view.

**Accessories** - Linear Spread lens, Hex Louver, Soft Focus Lens, Snoot.

(Note: Only one lens can be used at a time. And, only one lens can be used with snoot)

**LUMEN MAINTENANCE**

<table>
<thead>
<tr>
<th>AMBIENT TEMPERATURE</th>
<th>TM-21 LUMEN MAINTENANCE (60,000 Hours)</th>
<th>THEORETICAL L70 (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>&gt; 66%</td>
<td>&gt; 90,000</td>
</tr>
</tbody>
</table>

**CONNECTED CONTROL**

LumaWatt Pro powered by Enlighted Intelligent (LWPD1) and WaveLinx (SWPD1) Wireless Sensor Ordering Information. See dedicated RSA connected controls spec sheet for systems information and application. (link to Controls Spec Sheet)

<table>
<thead>
<tr>
<th>PRODUCT FAMILY</th>
<th>OCCUPANCY TECHNOLOGY</th>
<th>SENSING TECHNOLOGY</th>
<th>COVERAGE PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWI *</td>
<td>Passive Infrared</td>
<td>D* Dimming Daylight Harvesting (Closed Loop)</td>
<td>1' = 144 Square Feet</td>
</tr>
<tr>
<td>SW * LumaWatt Pro Wireless Integral Sensor</td>
<td>WaveLinx Integral Wireless Sensor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specifications and dimensions subject to change without notice. See additional information on the following pages.
**SERIES - RSA-MRZ-3**

### Photometry

#### Zonal Luminens Summary

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% Fixture</th>
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<tbody>
<tr>
<td>0-30°</td>
<td>1190</td>
<td>93.2</td>
</tr>
<tr>
<td>0-40°</td>
<td>1248</td>
<td>97.8</td>
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<tr>
<td>0-60°</td>
<td>1273</td>
<td>99.8</td>
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<tr>
<td>0-90°</td>
<td>1276</td>
<td>100</td>
</tr>
<tr>
<td>90-180°</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-180°</td>
<td>1276</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Luminance Data (cd/m²)

<table>
<thead>
<tr>
<th>Angle</th>
<th>0º</th>
<th>45º</th>
<th>90º</th>
</tr>
</thead>
<tbody>
<tr>
<td>45°</td>
<td>18351</td>
<td>18351</td>
<td>18351</td>
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<tr>
<td>55°</td>
<td>48989</td>
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<td>48989</td>
</tr>
<tr>
<td>65°</td>
<td>1751</td>
<td>1751</td>
<td>1751</td>
</tr>
<tr>
<td>75°</td>
<td>2859</td>
<td>2859</td>
<td>2859</td>
</tr>
<tr>
<td>85°</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Cone of Light

- **Reference Illuminant:**
  - **Test Source:**

### Mrz 1-Head - Narrow Flood (25°)

**Filename:** MRZ-1-REC-X-4-L35-97-NFL-UNV-X-STD.ies

**Test No.:** P219571

**Lumcat:** MRZ-1-REC-X-4-L35-97-NFL-UNV-X-STD

- **Lumens:** 1276 Lm
- **Watts:** 15.8 W
- **LPW:** 80.8 Lm/W
- **CCT:** 3500K
- **SC (0/90/45):** 0.41 / 0.41 / 0.37
- **Beam Angle:** 24.1°
- **CBCP:** 6600 cd

### Mrz 1-Head - Flood (40°)

**Filename:** MRZ-1-REC-X-4-L35-97-FL-UNV-X-STD.ies

**Test No.:** P219726

**Lumcat:** MRZ-1-REC-X-4-L35-97-FL-UNV-X-STD

- **Lumens:** 1283 Lm
- **Watts:** 15.8 W
- **LPW:** 81.2 Lm/W
- **CCT:** 3500K
- **SC (0/90/45):** 0.7 / 0.7 / 0.66
- **Beam Angle:** 42.3°
- **CBCP:** 2347 cd

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**Specifications and dimensions subject to change without notice.**

See additional information on the following pages.
TECHNICAL NOTES

1. Sensor only available for Flange Trim.


3. When SFL, LSL, HEX, or SNT are selected, all fixture heads receive this option. Only one shielding media can be used at a time. However, the SNT (snoot) option can take one hex louver, linear spread, or soft focus lens media.

4. K1 is a kit that contains one 25°, one 40°, and one 55° lens in one box for field changeable optic distributions. K2 is a kit that contains two 25°, two 40°, and two 55° lenses in one box for field changeable optic distributions. K3 is a kit that contains three 25°, three 40°, and three 55° lenses in one box for field changeable optic distributions. K4 is a kit that contains four 25°, four 40°, and four 55° lenses in one box for field changeable optic distributions.

5. See CONNECTED CONTROL for detailed information and full specification.

6. 14 W Surelite battery. Each fixture head will dim to 40% of output for egress mode.

7. Integral sensors are only compatible with 0-10V dimming drivers. They must be used with their respective wireless control systems.

8. Refer to “IES Files” section for all options of color temperatures, CRI, optical distributions, and shielding media.

9. All driver options available.