

MEE RECESSED GRID LED SURGICAL SUITE



OUR **MEE** series offers a combination of ambient, exam, and reading light for hospitals, nursing homes and other patient care facilities. The MEE is an IC-rated specification-grade luminaire designed for patient rooms. Available in a 2'x4' size. Optional low-voltage controller offers communication to patient bedside controls and wall switch controls. The Reading and Exam comes standard with a frosted inner lens.

ELECTRICAL SYSTEM: Electronic driver 0-10V, 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 25°C). Complies with federal energy efficiency standards. Internal low-voltage controller available.

OPTICAL SYSTEM: The ambient compartment shield features an extruded frosted linear prismatic acrylic lens. Exam and reading compartments feature satin acrylic lenses to provide visual comfort in the patient room. Clear polycarbonate outer available in various thicknesses.

HOUSING: Seam-welded, one piece construction. Available in various gauge thickness of cold roll steel, stainless steel, and aluminum. Access plate on top of fixture provided (for non-wet location fixtures). If additional options are needed, consult factory. White TGIC polyester powder coat finish standard. Antimicrobial white finish optional.

DOORFRAME: Inset door frame constructed of steel, aluminum, or stainless steel. Door frame attaches to housing with stainless steel aircraft cables. Closed cell gaskets seal door frame to housing.

MOUNTING: Universal housing allows for recessed grid or recessed flanged mounting. Swing arm brackets provided for recessed flanged applications, and can be tucked in for recessed grid applications.

LED: Ambient, Exam, and Reading LEDs are available in 2700K, 3000K, 3500K, 4000K and 5000K with CRI > 82. Projected life is >100,000 at 70% lumen maintenance. 90 CRI available.

LISTINGS: ETL Listed, damp location ETL rated. Wet location optional (requires optional outer lens). BAA and BABA compliant.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty

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ORDERING INFORMATION

Example: MEE-24-30-4L-30-13L-30-R1-G-B16-B18-125P-M-LVC

| SERIES | SIZE | AMBIENT CCT | AMBIENT ILLUMINATION | EXAM CCT | EXAM ILLUMINATION |
|--------|--------|-------------|------------------------------------|----------|------------------------------------|
| MEE | 24 2x4 | 27 2700K | 4L 4000 Lumens (Standard Low) | 27 2700K | 4L 4000 Lumens (Standard Low) |
| | | 30 3000K | 8L 7000 Lumens (Medium Low) | 30 3000K | 8L 7000 Lumens (Medium Low) |
| | | 35 3500K | 11L 11000 Lumens (High Low) | 35 3500K | 11L 11000 Lumens (High Low) |
| | | 40 4000K | 12L 12000 Lumens (Standard Medium) | 40 4000K | 12L 12000 Lumens (Standard Medium) |
| | | 50 5000K | 13L 13000 Lumens (Medium Medium) | 50 5000K | 13L 13000 Lumens (Medium Medium) |
| | | | XX Custom Lumens | | XX Custom Lumens |

| READING CCT | READING OUTPUT | NIGHT LIGHT CCT | NIGHT LIGHT (OPTIONAL) | MOUNTING | HOUSING |
|-------------|-----------------------------------|-----------------|----------------------------|----------|--------------------------------|
| 27 2700K | BLANK None | 27 2700K | BLANK None | G Grid | B16 16 Gauge Cold Rolled Steel |
| 30 3000K | R1 Reading 1550 Lumens (Standard) | 30 3000K | NL1 Night Light 150 Lumens | F Flange | B18 18 Gauge Cold Rolled Steel |
| 35 3500K | R2 Reading 2250 Lumens (Medium) | 35 3500K | NL2 Night Light 300 Lumens | | B20 20 Gauge Cold Rolled Steel |
| 40 4000K | R3 Reading 2900 Lumens (High) | 40 4000K | NL3 Night Light 500 Lumens | | SH18 18 Gauge Stainless Steel |
| 50 5000K | | 50 5000K | | | ALH .063" Aluminum |

| INSET DOOR | OUTER LENS | VOLTAGE | DRIVER | OPTIONS |
|--|-------------------------------|---------------------------|--|--|
| B18 Inset Door, 18 Gauge Cold Roll Steel | 125P .125 Clear Polycarbonate | M Multi-Volt (120-277VAC) | BLANK 0-10V Dimming Driver (included standard) | 14EBL 14 Watt Emergency Ballast |
| ALH Inset Door, .063" Aluminum | 156P .156 Clear Polycarbonate | | CD5 0-10V 5% to Off Dimming Driver | 90 90 CRI |
| SHP18 Inset Door, 18 Gauge Stainless Steel (Painted) | 187P .187 Clear Polycarbonate | | EDN Electronic Driver Non-Dimming | AM Antimicrobial White Paint |
| SHB18 Inset Door, 18 Gauge Stainless Steel (Brushed) | 250P .250 Clear Polycarbonate | | FLDD Fifth Light Dali, Dimming | RF Radio Frequency Filter |
| | 375P .375 Clear Polycarbonate | | LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology | LVC Low Voltage Controller with Dimming |
| | | | | LVCWS Low Voltage Controller Wall Switch |
| | | | | TPS Tamper-Proof Fasteners |

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ENERGY AND PERFORMANCE DATA

| | |
|---------------------------|-------------------------------------|
| INPUT VOLTAGE: | 120/277VAC |
| SYSTEM INPUT POWER: | .98 - 81.3 WATTS* |
| DELIVERED LUMEN OUTPUT: | 4000 - 13000 LUMENS |
| STANDARD DIMMING CONTROL: | 0-10V |
| CCT: | 2700, 3000, 3500, 4000, 5000 KELVIN |
| CRI: | 82 (MINIMUM) |
| LIFE TIME RATING: | >100,000 HRS @ L70 |
| INPUT FREQUENCY: | 50/60 HZ |
| POWER FACTOR: | >0.9 |
| OPERATING TEMP: | -30° TO 50° C |

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

| | | |
|-------|---|------|
| 5000K | X | 1.03 |
| 4000K | X | 1 |
| 3500K | X | .97 |
| 3000K | X | .94 |
| 2700K | X | .91 |

| PART# | LUMENS | WATTS | L70 @20C (HRS) |
|-------|--------------|-------|----------------|
| 4L | 4000 LUMENS | 25.0 | >100K |
| 7L | 7000 LUMENS | 43.8 | >100K |
| 11L | 11000 LUMENS | 68.8 | >100K |
| 12L | 12000 LUMENS | 75.0 | >100K |
| 13L | 13000 LUMENS | 81.3 | >100K |

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

DIMENSIONS

