

ILUMILINE ML



PRELIMINARY SPECIFICATIONS

OPTICAL

- Light Source: 27 LEDs (quad-color RGBL) 3.5 W, (200 mA)
- Light Source Lifespan: 50,000 hours based on LED manufacturer's specifications.
- Installed Optics: 12°
- Optional Optics: Medium Filter, Wide Filter, Very Wide Filter, Asymmetrical Filter
- Beam Angle: 13.3°
- Beam Angle (Medium Filter): 24.3°
- Beam Angle (Wide Filter): 37.4°
- Beam Angle (Very Wide Filter): 39.9°
- Beam Angle (Asymmetrical Filter): 39.3° x 19.2°
- Field Angle: 29.7°
- Field Angle (Medium Filter): 53.9°
- Field Angle (Wide Filter): 92.8°
- Field Angle (Very Wide Filter): 132.3°
- Field Angle (Asymmetrical Filter): 78.7° x 47.4°
- Cutoff angle: 49.9°
- Cutoff angle (Medium Filter): 103°
- Cutoff angle (Wide Filter): 159.6°
- Cutoff angle (Very Wide Filter): 164.1°
- Cutoff angle (Asymmetrical Filter): 158.6° x 120.1°
- Lumens: 2432
- Lumens (Medium Filter): 2199
- Lumens (Wide Filter): 1985
- Lumens (Very Wide Filter): 1934
- Lumens (Asymmetrical Filter): 2094
- Base Illuminance: 752 lux @ 5 m
- Base Illuminance (Medium Filter): 240 lux @ 5 m
- Base Illuminance (Wide Filter): 93 lux @ 5 m
- Base Illuminance (Very Wide Filter): 71 lux @ 5 m
- Base Illuminance (Asymmetrical Filter): 172 lux @ 5 m
- Efficacy @ Full: 34 lm/W (installed optics)
- Color Temperature Presets: Built-in

CONSTRUCTION/PHYSICAL

- Dimensions: 36 x 3.03 x 3.43 in (915 x 77 x 87 mm)
- Weight: 8.2 lb (3.8 kg)
- Fixture Color: Brushed aluminum
- Housing Material: Extruded aluminum
- Lens Cover: ABS plastic
- Mounting Options: 2 Brackets

CONTROL SPECIFICATIONS

- Control Protocol: USITT DMX-512a, RDM
- Operating Modes: Selectable personalities
 - o Solid (1-Channel)
 - o Arc 1 (3-Channel)
 - o Arc 1+D (4-Channel)
 - o Arc 2 (4-Channel)
 - o Arc 2+D (5-Channel)
 - o Arc Full (8-Channel)
 - o Special 1 (15-Channel)

- o Special 2 (9-Channel)
- Standalone Control: Yes
- Fixture setup: RDM Only
- Recommended control cable specification: CAT/AWG or specific Belden
- Data Connection: 3.7 ft (1.13 m) proprietary waterproof cable

ELECTRICAL SYSTEM SPECIFICATIONS

- Input Voltage: 100 to 277 VAC, 50/60 Hz (auto-ranging)
- Power and Current:
 - o 66 W, .569 A @ 120 V, PF: 96
 - o 64 W, .338 A @ 230 V, PF: 83
 - o 65 W, .321 A @ 277 V, PF: 73
- Power Supply: Electronic internal
- Dimmer: Electronic
- Power Linking: 18 units @ 120 V, 30 units @ 230 V, 32 units @ 277 V
- Power Connection: 3.7 ft (1.13 m) Hardwire to Proprietary Waterproof cable
- Recommended Power Cable: Power and Data Interface (14 AWG)
- Cable Connector Max Diameter: 1.18 in (30 mm)

THERMAL SPECIFICATIONS

- Cooling: Convection
- Startup Temperature Range: -4 °F to 113 °F (-20 °C to 45 °C)
- Operating Temperature Range: -40 °F to 113 °F (-40°C to 45 °C)
- Maximum Surface Temperature: 167 °F (75 °C)
- Minimum Distance to Illuminated Surface: 3.28 ft (1 m)
- Minimum Distance to Flammable Surface: 0.98 ft (0.3 m)
- BTU at various voltages:
 - o 225 BTUs/hr @ 120 V, 60 Hz
 - o 222 BTUs/hr @ 208 V, 60 Hz
 - o 218 BTUs/hr @ 230 V, 50 Hz
 - o 222 BTUs/hr @ 277 V, 50 Hz

REGULATORY & VOLUNTARY QUALIFICATION

- Certification Listings: UL, MET, CE, RoHS, FCC
- Environment: Dry/Damp/Wet location, IP66, All indoor and limited outdoor permanent installations.
 - o Please refer to the User Manual for more detailed information on installation.
- Warranty: 36-month manufacturer's limited warranty (for covered regions only)
- Installation Orientation: Any, Vertical only, Horizontal only

ACCESSORIES

- Required: RDM Device, Power and Data Interface
- Optional: Medium Filter (20°), Wide Filter (40°), Very Wide Filter (55°), Asymmetrical Filter (60° x 10°), Power and Data extension cable