

CATALOG #

JOB NAME

VOLTAGE

MRV-08565-5000L

MRV-08565-3500L

OR / Clean Room / Vandal LED 8" Downlight

Up to 60,000 Hour Life • Wet Location LM-80 Qualified • LM-79 Certified Photometry

Specifications

Delivered System Performance*

- Lumen Series: MUST SPECIFY
 5000L: 5000 nominal lumens (55W).
 3500L: 3500 nominal lumens (42W)
- Distribution: NFL standard. Optional: -MFL.
- Color temperature: 3500°K standard. Optional: -27K, -30K, -41K or -50K.
- CRI: 80+ standard. Optional: -HC (90+).
- 60,000 hour life (L70).
- Fully sustainable: removable for servicing.
- Thermal Protection: SPECIFY VOLTAGE
- Thermal protector for insulation detection per UL/NEC. Must specify input voltage.

Thermal Management System

 All aluminum heat sink, components and housing maximize cool operation and long life while minimizing maintenance.

LED Power Supply - INTERNAL

- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F).
- 120-277V / 50-60Hz standard. Load insensitive.

O-10V CCR dimming standard. (100-10%)

Trim Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare trim.
- Kirlin BioGard[™] antimicrobial white finish continuously inhibits growth of bacteria on the coating of the trim.
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing.



- Regressed tempered microprismatic above 1/8" clear flat polycarbonate lens.
- Continuous ring secures lens to trim.

• Tamperproof tool included. IP65 5X Sealed and Gasketed

- (1) Silicone seal between trim and lens seals lens to trim, (2) closed cell gasketing between trim and housing flange seals trim to housing, (3) closed cell gasketing on trim flange seals flange to ceiling (4) closed cell gasketing on bottom pan seals housing to ceiling and (5) neoprene O-rings on stainless steel fasteners seal fasteners to trim.
- Meets ASTM E283 restricted airflow of 2 CFM maximum.

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
 - Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built-in plaster flange.
- Sealed housing and junction box. Meets/ exceeds ASTM E283 restricted airflow (2 CFM maximum). CCEA Chicago Plenum Approved.
 Outlet Box
- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with ½" and ¾" knockouts.



Sealed Housing & Trim



Installation

- Recess indoor or outdoor.
- Accommodates ceilings up to 1-1/8" thick.
- Comptaible with fire rated enclosures (by others).
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (4 #12 AWG
 - 90°C).

IEC & FCC Compliance

- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.
 FIVE YEAR

Limited Warranty

Year • Complete standard fixture.

MUST SPECIFYOPTIONALProduct NumberVoltageOptionsMRV-08565-5000L
MRV-08565-3500L-120 (120 volts)
-277 (277 volts)
-97 (Specify other)See "Options" belowOrdering Example:
MRV-08565-5000L-120-30K-MFL

Options

Input Power: SPECIFY

- -120 120V (50-60Hz) input for thermal protector.
- -277 277V (50-60Hz) input for thermal protector.
- -97 Specify other voltage. Consult factory.

LED Power Supply

- -29 Two wire full range (100-1%) PWM dimming instead (Lutron). Consult factory. 120V only. Not available with Option -EI.
 -D1 0-10V 1.0% dimming instead.
- -D2 0-10V 0.1% dimming instead.
- -D3 DALI 1.0% dimming instead.
- -D4 DALI 0.1% dimming instead.

- -D5 DMX512A 0% dimming instead.
- -ECO Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory.
- -EI REMOTE emergency inverter for 50% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with Option -29 or -FS.
- -EM INTERNAL emergency battery pack. Delivers 500 lumens. Run time: 90+ minutes.
- -ERH REMOTE emergency battery pack. Delivers 1000 lumens. Run time: 90+ minutes. CEC Compliant.

Color Temperature (CCT)

- -27K Color temperature 2700°K instead.
- -30K Color temperature 3000°K instead.
- -41K Color temperature 4100°K instead.
- -50K Color temperature 5000°K instead.
- -HC 90+ CRI instead. Consult factory.

Optics

-MFL Medium flood distribution.

Other

- -99 Special modification. Consult factory.
- -FS Single in-line fuse. Not for use with Option -El.

¹ Marked Spacings Caution: Install with minimum spacings as follows: 2 feet between centers of adjacent fixtures; 1/2" between fixture top and overhead building member; 1 foot between fixture center and side wall.

KIRLIN Lighting Since 1895

The Kirlin Company 3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232 (313) 259-6400 • Fax: (313) 259-3121 • www.kirlinlighting.com MEDICAL

*See note next page

요於



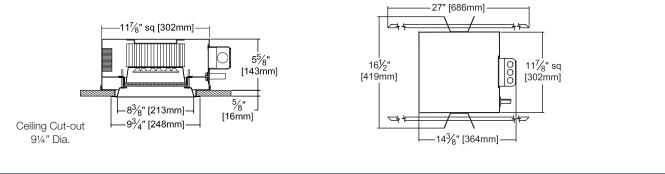
MRV-08565-5000L

PERFORMANCE



Dimensions

Notes:

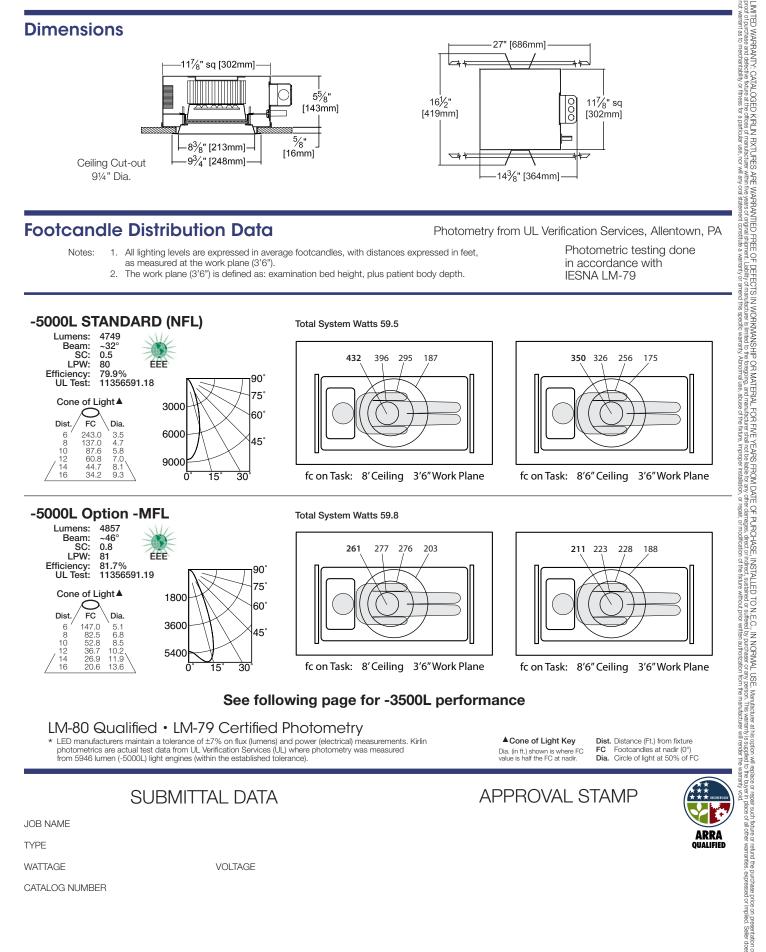


Footcandle Distribution Data

Photometry from UL Verification Services, Allentown, PA

- 1. All lighting levels are expressed in average footcandles, with distances expressed in feet, as measured at the work plane (3'6").
 - 2. The work plane (3'6") is defined as: examination bed height, plus patient body depth.

Photometric testing done in accordance with IESNA LM-79



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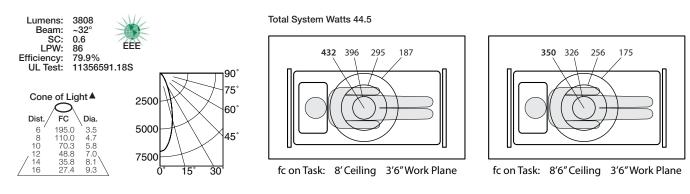
PERFORMANCE

Footcandle Distribution Data

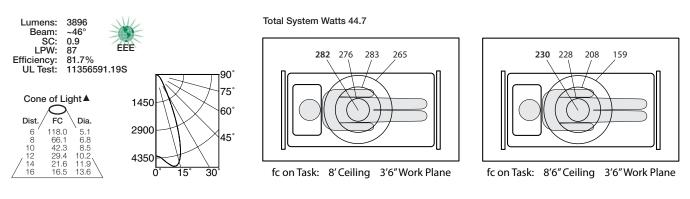
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- Photometric testing done in accordance with IESNA LM-79-08

-3500L STANDARD (NFL)



-3500L Option -MFL



LM-80 Qualified • LM-79 Certified Photometry

* LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from UL Verification Services (UL) where photometry was measured from 4768 lumen (-3500L) light engines (within the established tolerance).

▲ Cone of Light Key Dis Dia. (in ft.) shown is where FC value is half the FC at nadir. Dia

Dist. Distance (Ft.) from fixture FC Footcandles at nadir (0°) Dia. Circle of light at 50% of FC

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