

CATALOG #	TYPE	
JOB NAME	VOLTAGE	

Cleanroom / Hybrid OR LED IP65 8" Downlight

LM-80 Qualified • LM-79 Certified Photometry Up to 60,000 Hour Life • Antimicrobial Trim

100

MRR-08555-5000L MRR-08555-3500L



Specifications

Delivered System Performance*

- Lumen Series: MUST SPECIFY
 - 5000L: 5000 nominal lumens (55W).
- 3500L: 3500 nominal lumens (42W).
- · Distributions: 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.
- 0-10V CCR dimming standard. (100-10%) **Trim and Lens Assembly**
- Rustproof 100% aluminum grooveless, smooth, self-flanged trim.
- Kirlin BioGard™ antimicrobial white finish continuously inhibits growth of bacteria on the coating of the trim.











Sealed Housing & Trim



· Regressed tempered microprismatic glass

Cleanroom, 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.

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 of 2 CFM maximum. CCEA approved.

Outlet Box

UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with 1/2" and 3/4'

Installation

- Recess indoor or outdoor.
- Accommodates ceilings up to 1-1/8" thick or see Option -79
- 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

FIVE YEAR

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



Limited Warranty

· Complete standard fixture.

MUST SPECIFY		OPTIONAL	
Product Number	Voltage	Options	
MRR-08555-5000L MRR-08555-3500L	-120 (120 volts) -277 (277 volts) -97 (Specify other)	See "Options" below	Ordering Example: MRR-08555-5000L-120-30K-MFL

Options

Input Power: SPECIFY

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

LED Power Supply

- 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.
- DALI 0.1% dimming instead.

- DMX512A 0% dimming instead.
- -ECO Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory.
- 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.
- 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

- -79 Extension collar for up to 2" thick ceilings.
- Special modification. Consult factory.
- Single in-line fuse. Not for use with Option -El.
- NSF approved NSF fixture.





The Kirlin Company

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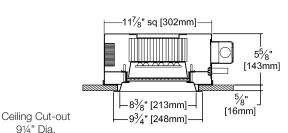


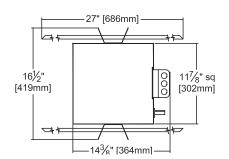
MRR-08555-5000L

PERFORMANCE



Dimensions





Footcandle Distribution Data

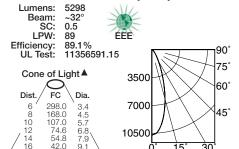
Photometry from UL Verification Services, Allentown, PA

1. All lighting levels are expressed in average footcandles, with distances expressed in feet, as measured at the work plane (3'6").

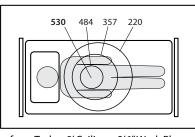
2. The work plane (3'6") is defined as: examination bed height, plus patient body depth.

Photometric testing done in accordance with IESNA LM-79

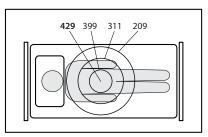
-5000L STANDARD (NFL)



Total System Watts 59.6

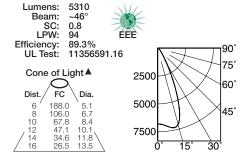


fc on Task: 8' Ceiling 3'6" Work Plane

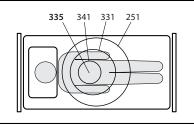


fc on Task: 8'6" Ceiling 3'6" Work Plane

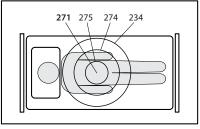
-5000L Option -MFL



Total System Watts 56.7



fc on Task: 8' Ceiling 3'6" Work Plane



fc on Task: 8'6" Ceiling 3'6" Work Plane

See following page for -3500L performance

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 5946 lumen (-5000L) light engines (within the established tolerance).

▲ Cone of Light Key Dia. (in ft.) shown is where FC value is half the FC at nadir. Dist. Distance (Ft.) from fixture Footcandles at nadir (0°) Circle of light at 50% of FC

SUBMITTAL DATA

APPROVAL STAMP



LIMITED WARRANTY: CATALOGED KRUN IRVITIRES ARE WARRANTED FREED OF DEFECTS IN WORKMAISHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASK INSTALLED TO N.E.C., IN NORMAL USES Manuscurser almost of bring the proof of purchase and deletine fixure at the offices of manufacture within his years of organisation from the manufacture within the years of organisation from the manufacture is mired to be foregoing and manufacturer stall not be fable for any office damages, detect or index, stallared or staffed by purchase or any person. This weren't not weren't almost a first purchase and deletine fixure without purchased or staffed by purchase or any person. This weren't not weren't almost a first purchased or staffed by offices or any control of the staffed by purchased or staffed by purchased by

JOB NAME

TYPE

WATTAGE **VOLTAGE**

CATALOG NUMBER

refund the purchase price on presentation or warranties, expressed or implied. Seller does





Footcandle Distribution Data

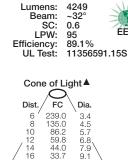
Photometry from UL Verification Services, Allentown, PA

Notes:

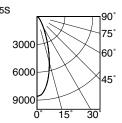
- 1. All lighting levels are expressed in average footcandles, with distances expressed in feet, as measured at the work plane (3'6").
- 2. The work plane (3'6") is defined as: examination bed height, plus patient body depth.

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

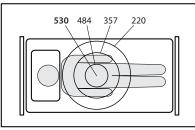
-3500L STANDARD (NFL)



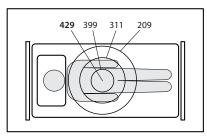
Lumens: Beam:



Total System Watts 44.6



fc on Task: 8' Ceiling 3'6" Work Plane

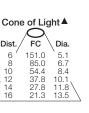


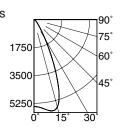
fc on Task: 8'6" Ceiling 3'6" Work Plane

-3500L Option -MFL

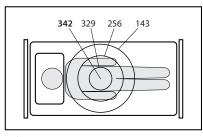


Efficiency: UL Test: 89.3% 11356591.16S

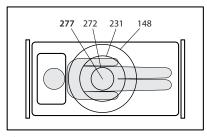




Total System Watts 42.4



fc on Task: 8' Ceiling 3'6" Work Plane



fc on Task: 8'6" Ceiling 3'6" Work Plane

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