

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

Lighting for Patient Spaces

Lensed 4" Wall Wash

Up to 90,000 Hour Rated Life • Type IC • Wet Location
LM-80 Qualified • LM-79 Certified Photometry

Specifications

Delivered System Performance*

- Lumen Series: **Must Specify**
 - 2000L (25W)
 - 1500L (20W)
 - 1000L (11W)
- Color temperature: 3500°K standard; optional: -27K, -30K, -41K, or -50K
- CRI: 80+ standard; optional: -HC (90+)
- 90,000 Hour Rated Life (L70**)
- Fully sustainable: removable for servicing

Thermal Management System

- Aluminum heat sink and components for cool operation, long life, and low maintenance

LED Driver - INTERNAL

- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR dimming standard (100-10%)
- Voltage Options: **Must Specify**
 - 120: -120V (50-60Hz); load insensitive
 - 277: -277V (50-60Hz); load insensitive

Trim Assembly

- Low brightness clear specular aluminum self-flanged angle cut cone with tempered prismatic glass lens above

Acrylic Enameled Aluminum Housing

- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Built-in plaster flange

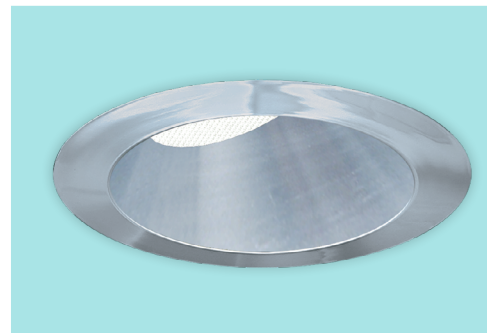
Outlet Box (Galvanized)

- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts

Installation & Hardware

- Indoor/outdoor in ceilings up to 1½" thick
- Compatible with fire rated enclosures (by others)
- 27" galvanized hanger bars & adjusting brackets (2) supplied

MRR-04802



UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings
- Type IC: for direct contact with insulation
- 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

- Complete standard fixture

Options and Ordering Configuration

(Example: MRR-04802-2000L-120-30K-70T)



Must Specify			Optional				
Model	Lumens	Volts	CCT & CRI	Driver Options	Emergency	Lens & Trim Options	Other Options
MRR-04802							
	-2000L -1500L -1000L	-120 -277 -97: Other voltage; consult factory	(Blank): 35K, 80+ CRI 80+ CRI -27K: 2700°K -30K: 3000°K -41K: 4000°K -50K: 5000°K 90+ CRI -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4000°K -50K-HC: 5000°K	(Blank): Standard 0-10V CCR 1.0% dim -D1: 0-10V 1.0% dim -D2†: 0-10V 0.1% dim -D3†: DALI 1.0% dim -D4†: DALI 100-0.1% dim -D5†: DMX512A 0%dim; -1000L only	(Blank): None -EI: Remote emergency inverter for 100% of rated lumens; 90+ minutes; 120V or 277V, 60Hz input only; specify voltage; N/A for options -FS -EM: Internal emergency battery pack; Delivers 500 lumens; CEC Compliant; 90+ minutes -ERH: Remote emergency battery pack; delivers 1000 lumens; CEC Compliant; 90+ minutes	(Blank): Clear specular aluminum self-flanged downlight cone with lens above Trim Finishes -30T: All white acrylic enameled cone -31: White acrylic enameled cone flange -BG: BioGard™ anti-microbial white -BKBG: BioGard™ anti-microbial black -94: Custom color; consult factory -94BG: BioGard™ anti-microbial custom color finish -70T: SofTex™ semi-specular clear self-flanged cone Other Trim Features -32: White trim extender, specify OD -45: Gasket between trim flange and ceiling -DF: Electrically "dead front" isolated trim Lens Options -CF: Custom color filter (Rosco); specify	(Blank): None Other Options -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Option D5 -FS: Fused primary; One per fixture; not for use with Option -EI *Note: For other integrated control solutions, such as nLight, contact factory
*See note next page							
			† Consult factory for use with -2000L lumen series				

Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	60,000 hours

**Hours at 70% lumen maintenance

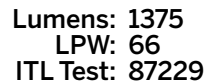
Performance Factors



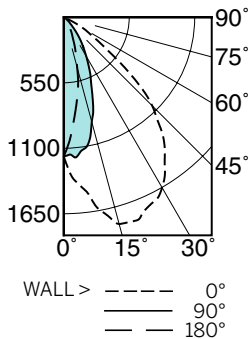
NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2000L	1.26	1.37	0.92
-1500L	1.00	1.00	1.00
-1000L	0.58	0.50	1.17


Photometry from I.T.L., Boulder, CO

LM-79 IESNA Certified Photometry from Independent Lab



-1500L



		SINGLE FIXTURE				MULTIPLE FIXTURES							
		1'	2'	3'	4'	2' CENTERS			3' CENTERS				
DISTANCE FROM CEILING IN FEET													
		FIXTURE INSTALLED 2' FROM WALL Footcandle Distribution on Wall Surface											
1		18.0	3.9	0.8	0.6	0.4	21.9	22.0	22.0	20.2	4.0	20.1	
2		93.6	45.9	8.2	1.4	0.5	112.0	112.0	112.0	95.7	43.3	95.7	
3		66.3	45.8	16.5	4.3	1.1	102.0	102.0	102.0	75.9	60.3	75.9	
4		39.2	31.0	15.7	6.1	2.1	76.3	76.4	76.4	52.4	49.3	52.4	
5		23.3	19.7	12.1	6.1	2.7	54.7	54.7	54.7	36.6	36.3	36.6	
6		14.9	13.2	9.0	5.3	2.8	40.8	40.8	40.8	27.5	27.1	27.5	
7		10.0	9.2	6.8	4.5	2.7	31.8	31.9	31.9	21.1	21.1	21.1	
8		7.1	6.7	5.3	3.8	2.5	26.0	26.1	26.0	17.1	17.2	17.1	
9		5.5	5.3	4.5	3.4	2.3	22.7	22.8	22.8	14.7	15.1	14.7	

Total System Watts 20.8

*LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.