

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

Lighting for Patient Spaces

Ligature/Vandal Resistant 6" LED Downlight

Up to 90,000 Hour Rated Life • Type IC • Antimicrobial Trim • Wet Location • 10% Dimming • LM-80 Qualified • LM-79 Certified

Specifications

Delivered System Performance*

- Lumen Series: **Must Specify**
 - 2000L (25W)
 - 1500L (20W)
 - 1000L (11W)
- Distribution: WFL standard; optional: -NFL or -MFL
- 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 and Lens Assembly

- Ligature resistant smooth white seamless tapered aluminum self-flanged rigid cast 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; tamperproof tool included
- High strength prismatic acrylic above .220"
- clear flat polycarbonate lens; also see -DA
- Continuous ring secures lens to trim

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 J-box with insulated removable cover; prewired 14 GA (NEC) with ½" and ¾" knockouts

Installation & Hardware

- Indoor/outdoor in covered locations in ceilings up to 1½" thick

MRV-06858

Trim Options



-BN
(Brushed Nickel Finish)

- 27" galvanized hanger bars & adjustable mounting brackets (2) supplied

Quick Ship Eligible

- Eligible for Quick Ship of 2 weeks or less
- Quantity requirements: 10 - 100 pieces
- Requires choosing options in **red** on the next page and including the -QS option code

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

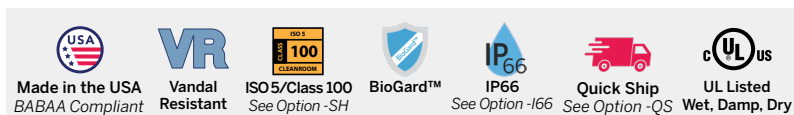
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

Options and Ordering Configuration

(Example: MRV-06858-2000L-120-30K-DA)



Must Specify			Optional					
Model	Lumens	Volts	CCT & CRI	Beam	Driver Options	Emergency	Lens & Trim Options	Other Options
MRV-06858								
	-2000L -1500L -1000L	-120 -277 -97: Other voltage; consult factory	(Blank): 35K, 80+ CRI 80+ CRI -27K: 2700°K -30K: 3000°K -35K: 3500°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): WFL -NFL -MFL -WFL	(Blank): Standard 0-10V CCR 10% 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 0.1% dim † Consult factory for use with -2000L lumen series	(Blank): None -EI: Remote emergency inverter for 100% of rated lumens; 90+ minutes; 60Hz input only; N/A for option -FS -ERH: Remote emergency battery pack; delivers 1000 lumens; 90+ minutes (CEC Compliant)	(Blank): White tamper-resistant trim, high strength dual lens -35T: Silver enamel (complete trim); (non BioGard™) -94: Custom color/finish; specify; (non BioGard™); consult factory -BKBG: BioGard anti-microbial black -94BG: BioGard anti-microbial custom color finish -BN: Brushed nickel cast trim instead (non BioGard™) -CF: Custom color filter (Rosco); specify -DA: Diffuse acrylic lens above poly instead of prismatic acrylic -I66: IP66 Rated trim; also see Option -SH	(Blank): None -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 -QS: Quick Ship; Options must be only red items; Quantities of 10-100 -SH: Sealed housing and junction box; provides Cleanroom Rated luminaire (ISO 5 Class 100); must be used with option -I66 *Note: For other integrated control solutions, such as nLight, contact factory

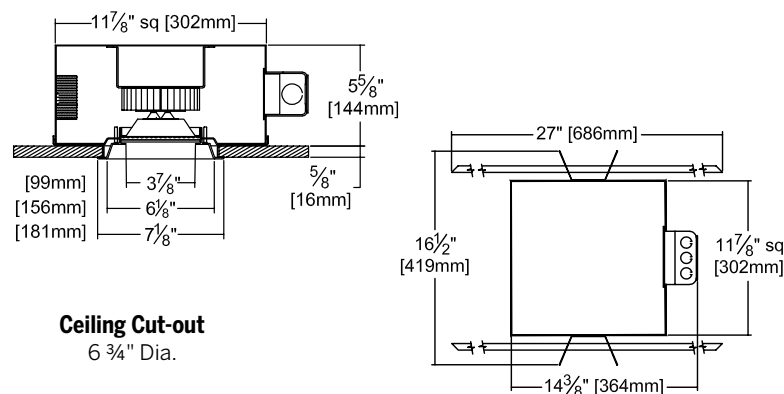
*See note next page

Projected L70** for Kirlin Luminaires

In Open Plenum	90,000 hours
In Insulation (Type IC)	60,000 hours

**Hours at 70% lumen maintenance

Dimensions



Infection Control Levels

Level	Option	Patient Safety	Infection Protection
1+	Standard	VR Vandal Resistant	BioGard™
2+	-I66	VR Vandal Resistant	BioGard™ IP66
3+	-I66 -SH	VR Vandal Resistant	BioGard™ IP66 ISO 5/ Class 100

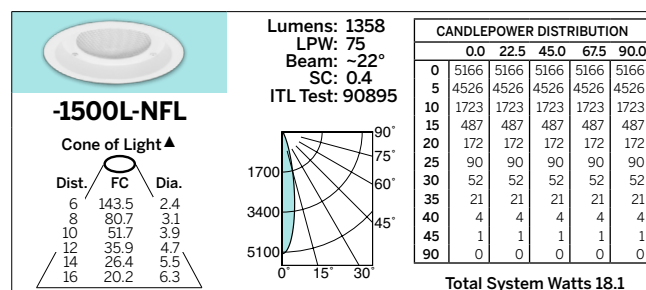
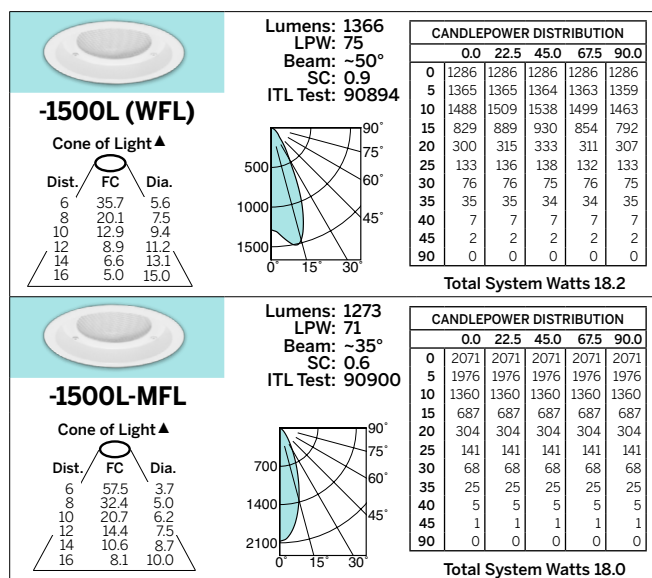
Performance Factors

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 - Installed Complete Fixture

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

LM-79 IES Certified Photometry from Independent Lab



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

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

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.G., IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture to the offices of manufacturer within the years of original shipment. Liability of manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

PATENT SPACES
AUGUST 2025