KIRLIN HEALTHCARE LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

Lighting for Patient Spaces

MRV-06788

Tunable White 6" Ligature/Vandal Resistant Wall Wash

Up to 90,000 Hour Rated Life • 0.1% Dimming • 2700-6500 CCT
Type IC • Level 1+/2+/3+ Protection • LM-80 Qualified • LM-79 Certified

Specifications

Delivered System Performance*
- Lumen Series: **Must Specify**
  -2000L (25W)
- Color tunable range: 2700 - 6500°K
- CRI: 80+ across full CCT range
- Distribution: WFL standard
- 30 watts nominal power consumption
- Optics positioned at 25°.
- 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 50°C (-22°F to 122°F)
- 0-10V CCR dimming standard (100-0.1%)
- 0-10V color tuning standard
- 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 diffuse acrylic above .220" clear flat polycarbonate lens
- 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 1⅛" thick
- 27" galvanized hanger bars & adjustable mounting brackets (2) supplied

Trim Options

-BN
(Brushed Nickel Finish)

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

Made in the USA *BABAA Compliant* | Vandal Resistant | ISO 5/Class 100 *See Option -SH* | BioGard™ | IP66 *See Option -I66* | FCC Part 15 Certified | UL Listed Wet, Damp, Dry

Options and Ordering Configuration

(Example: MRV-06788-2000L-277-D5-I66-SH)

Must Specify			Optional			
Model	**Lumens**	**Volts**	**CCT & CRI**	**Driver Options**	**Lens & Trim Options**	**Other Options**
MRV-06788						
	-2000L	**-120** **-277**	**(Blank):** 6500°K - 2700°K Tunable White, 80+ CRI	**(Blank):** Standard 0-10V CCR 0.1% dim **-D5:** DMX512A 1.0% dim **-D7:** DALI dual drive 0.1% dimming driver instead **-D8:** DALI DT8 dual drive 0.1% dimming driver instead	**(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™) **-I66:** IP66 Rated trim; also see Option -SH	**(Blank):** None **-99:** Special modification; consult factory **-AWN:** Athena Wireless Node; N/A for Dimming Options -D5, -D7, -D8 **-FS:** Fused primary; One per fixture **-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

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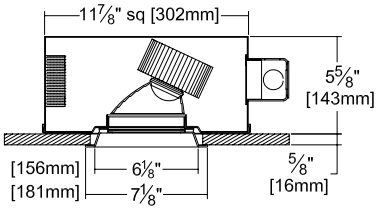
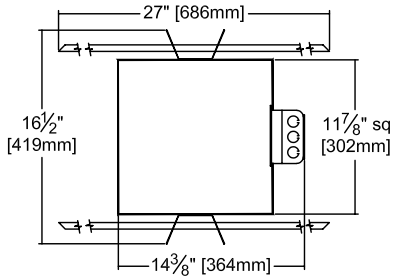
KIRLIN HEALTHCARE LIGHTING

Dimensions



Ceiling Cut-out
6 ¾" Dia.



Infection Control Levels

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

Photometry - Installed Complete Fixture

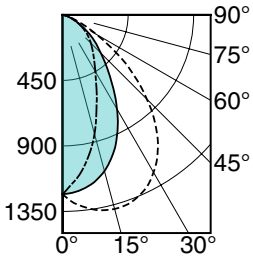
Photometry from I.T.L., Boulder, CO

LM-79 IESNA Certified Photometry from Independent Lab

-2000L (WFL)

Lumens: 2017
LPW: 69
ITL Test: 93239

WALL > 0°
90°
180°



FIXTURE INSTALLED 2' FROM WALL
Footcandle Distribution on Wall Surface

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE 1'	2'	3'	4'	MULTIPLE FIXTURES 2' CENTERS			3' CENTERS		
1	33.1	17.3	5.1	1.8	0.8	46.7	46.8	46.7	38.0	21.0	37.9
2	73.4	47.9	17.1	5.4	2.1	114.2	114.3	114.3	85.7	63.3	85.6
3	51.1	40.2	20.6	8.6	3.6	102.1	102.2	102.2	69.7	66.4	69.7
4	30.1	25.9	17.0	8.9	4.4	77.5	77.6	77.5	51.4	50.9	51.4
5	18.1	16.4	12.3	7.9	4.5	57.1	57.2	57.2	37.7	37.5	37.7
6	11.6	10.8	8.8	6.4	4.1	43.7	43.8	43.8	28.4	28.8	28.4
7	7.9	7.5	6.5	5.1	3.6	34.5	34.9	34.9	22.2	22.7	22.2
8	5.8	5.6	5.0	4.1	3.2	28.8	29.0	28.9	18.6	18.7	18.6
9	4.7	4.5	4.1	3.5	2.8	25.2	25.6	25.6	16.2	16.3	16.1

Total System Watts 29.3

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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within five years of original shipment. Liability of manufacturer is limited to the foregoing, and 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.

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