

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

s 100

ISO 5/Class 100

See Option -SH

BioGard™

# **Lighting for Patient Spaces**

*Ligature/Vandal Resistant* 6" Observation Light

Circadian-Supporting Color • Type IC • 1% Dimming • LM-80 Qualified LM-79 Certified • Optional IP66 Sealed Trim or Cleanroom Rated

## **Specifications**

### Delivered System Performance\*

- Color and Output: Must Specify
  -See table below
  For delivered lumens, see page
- -For delivered lumens, see page 2 Distribution: WFL standard
- 50,000 (L70) Hour Rated Life
- Fully sustainable: removable for servicing

#### LED Driver - INTERNAL

- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR dimming standard (100-1%)
- Voltage Options: Must Specify
  -120: -120V (50-60Hz); load insensitive
  -277: -277V (50-60Hz); load insensitive

#### IK10 Trim/Lens - Ligature/Vandal Resistant

- Ligature resistant smooth white seamless tapered aluminum self-flanged rigid cast trim
- Kirlin BioGard<sup>™</sup> 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 (.187") above clear flat polycarbonate lens (.220"); also see -DA
- Continuous ring secures lens to trim

- IP66 Rated sealed trim, see Option -I66
- Cleanroom Rated luminaire, see Option -SH
- Field paintable trim

#### Shallow 4<sup>1</sup>/<sub>4</sub>" Aluminum Housing

- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
   Shallow depth fits restricted plenums
- Shallow depth its 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 <sup>1</sup>/<sub>2</sub>" and <sup>3</sup>/<sub>4</sub>" knockouts

#### Installation & Hardware

Made in the USA

BABAA Compliant

 Indoor/outdoor in covered locations in ceilings up to 1<sup>1</sup>/<sub>8</sub>" thick

IK10 Impact

Resistant

Vandal

Resistant

Compatible with fire rated enclosures (by others)



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

#### 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) FCC Compliance
- FCC Part 15 certified for EMI/RFI emissions

#### **FIVE YEAR Limited Warranty**

IP66

See Option -166

FCC Part 15

Certified

UL Listed

Wet, Damp, Dry

Complete standard fixture

# **Options and Ordering Configuration**

#### (Example: MRV-06864-OYF-MO-SH)

Must Specify		Optional				
Model	Color	<b>Output</b> (See Page 2 for Lumens)	Infection Controls (See Page 2)	Emergency	Lens & Trim Options	Other Options
MRV-06864						
	-OYF: Orange/Yellow (590nm equivalent) -ORF: Orange/Red (617nm equivalent)	-HO: High output (20W) -MO: Medium output (15W) -LO: Low output (11W)	(Blank): BioGard <sup>™</sup> antimicro- bial finish -I66: IP66 Rated trim -SH: Cleanroom rated ISO 5 Class 100 luminaire; sealed- housing, J-Box, trim assembly NOTE: Housing depth increases to 5.66	(Blank): None -EI: Remote emergency inverter for 100% of rated lumens; 90+ minutes; N/A for option -FS	(Blank): White tamper-resistant trim, high strength dual lens -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™) -DA: Diffuse acrylic lens above poly instead of prismatic acrylic	-99: Special modification; consult factory -FS: Fused primary; One per fixture; not for use with Option -El
*See note next page						

Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

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### MRV-06864 PERFORMANCE



Infection Protection

IP66

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

§ 100

ISO 5/

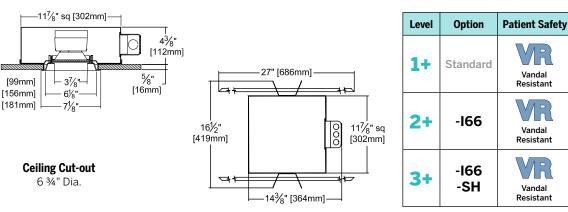
Class 100

BioGard™

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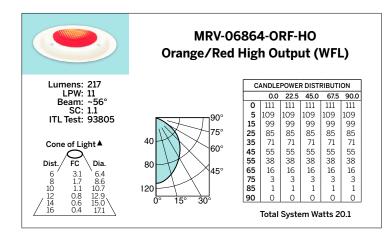
## **Dimensions**



## **Photometry - Installed Complete Fixture**

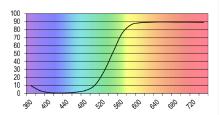
LM-79 IESNA Certified Photometry from Independent Lab

Delivered Lumens	-OYF: Orange/Yellow	-ORF: Orange/Red	
-HO: High Output (20W)	542L	217L	
-MO: Med. Output (15W)	406L	162L	
-LO: Low Output (11W)	298L	119L	

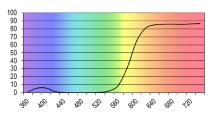


### -OYF Spectral Performance

**Infection Control Levels** 



### -ORF Spectral Performance



\*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 poor of purchase and detective fixture at the offices of manufacturer. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any office damages, direct or indirect. Sustained or suffreed by purchaser or any person. This warranty is supplied to the buyer indige of all office marked as the mechanisability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Anormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without pro-written authorization from the manufacturer will render the warranty yold.



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