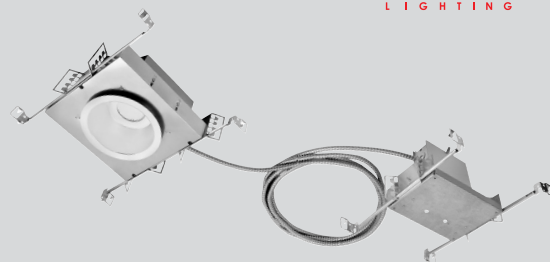


| | |
|---------|-------------|
| Part # | Prepared By |
| Project | Notes |
| Type | |
| Date | |



6" Round, vHealth® MRI

Open, LED Wall Wash, MRI, 750-7000 Lumens



Description

vHealth® MRI luminaires are made with non-ferrous metals to ensure safe and reliable operation in medical imaging suites. Separate light module and fixture housings enable easy installation of the remote power supply. vHealth® MRI lights come standard with antimicrobial trim finishes to help mitigate infection risks throughout medical facilities. Optional EMI Filter available for turnkey solution. The vHealth® MRI Open Wall Wash provides excellent ambient lighting while maintaining sharp cutoff to reduce glare and eye shock potential for patients and technicians.

Warranty & Notes

ELECTRICAL SYSTEM

- 750 - 7000 lumens
- 2700K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 1% dimming driver; optional drivers available
- 120 - 277V
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Precision spun architectural-grade reflector with integrated 'kicker plate'
- Reflectors available in Alzak® and painted finishes; Antimicrobial standard
- Distribution is free of streaks, striations and hotspots
- Medium distribution
- 45° Cutoff

FRAME & MOUNTING

- Non-Ferrous frame with integrated junction box featuring hinged access covers with spring retaining latches
- Vertically adjustable rigid formed mounting brackets that accept a variety of mounting bars with auxiliary nail holes and T-bar slots
- T-Bars included, suitable for joist spacing from 12" to 24"
- Supports straight conduit runs - (3) 3/4" knockouts
- Through branch wiring - (8) #12 AWG (4 in, 4 out), 90°C conductors
- Accessibility to all LED components from below ceiling
- Flush to the ceiling reflectors, secured by high quality friction clips

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Energy Star® certified versions available (see Vantage Energy Star® guide for details)
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act

Warranty & Notes

- 5-year limited warranty on LED module and driver, www.vantageltg.com/product-warranty
- Photometric tests performed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures
- Insulation cannot be in direct contact with luminaire

Ordering Information

EXAMPLE: V6OVHMRWWU-1130K-MRI6160-SGC-AM-TDM

| Series | Voltage | Lumens | Kelvin (CCT) | Reflector | Antimicrobial Finishes | Options** |
|-----------|--|--|---|-------------------------------------|---|---|
| V6OVHMRWW | U - 120V-277V 1 - 120V 2 - 277V *Must provide voltage when optional drivers are selected. | 07 - 750 11 - 1100 15 - 1500 20 - 2000 30 - 3000 40 - 4000 50 - 5000 60 - 6000 70 - 7000 | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K | MRI6160 Wall Wash Open Reflector | SCL-AM Specular Clear Antimicrobial SGC-AM Soft Glow Clear Antimicrobial WHT-AM White Matte Antimicrobial *All trims supplied standard with white painted flange. | VEMI2 VEMI4 DTD TDM DL-2 DL-3 LDE1 LDE5 PEQ0 HCR PF EM-17 EM-20 |

*Options Notes

VEMI2 - 2-Port EMI Filter
VEMI4 - 4-Port EMI Filter
DTD - 0-10V 0.1% dimming driver. Not available above 4000 lumens.
TDM - Triac (Forward Phase, 120V only) dimming driver. Not available above 5000 lumens.
DL-2 - Lutron 2-Wire Hi-Lume dimming driver. Not available above 3000 lumens.
DL-3 - Lutron 3-Wire Hi-Lume dimming driver. Not available above 3000 lumens.
LDE1 - Lutron Hi-Lume 1% with Soft-On, Fade-to-Black dimming driver. Not available above 4000 lumens.
LDE5 - Lutron 5-Series 5% dimming driver. Not available above 4000 lumens.
PEQ0 - Lutron Hi-Lume Premier 0.1% with Soft-On, Fade-to-Black dimming driver. Not available above 4000 lumens.
HCR - High CRI, 90+ minimum. Not available in 5000 Kelvin.
PF - Polished Flange
EM-17 - Emergency battery back-up. Remote test button & indicator light. For 750-5000 lumen luminaires.
EM-20 - Emergency battery back-up. Remote test button & indicator light. For 6000 & 7000 lumen luminaires.

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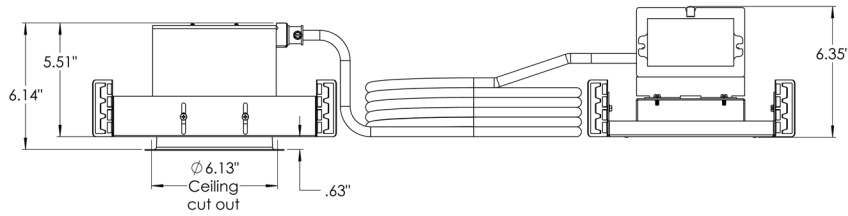
6" Round, vHealth® MRI IC-RATED

Open, LED Wall Wash, MRI, 750-7000 Lumens

Dimensional Data

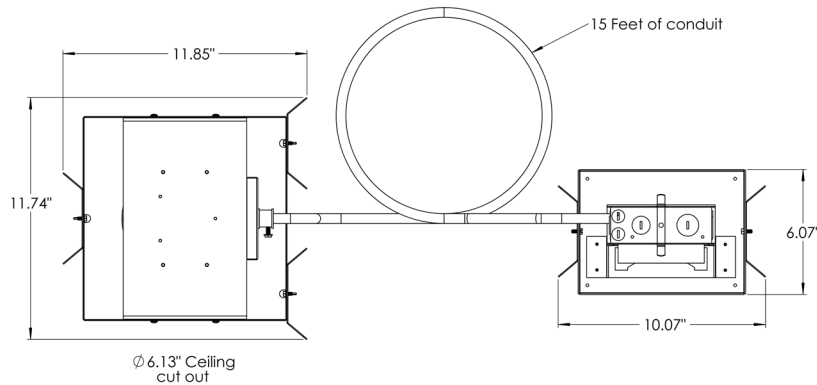
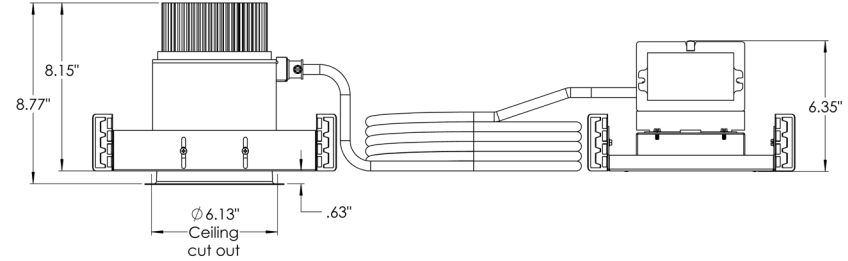
Above Ceiling Height
with 5/8" Ceiling
• 5.51" ≤ 3000L
• 5.71" 4000L & 5000L

Above Ceiling Height
• Max Ceiling Thickness
1.21" - 4.93"
• Min Ceiling Thickness
0.20" - 5.94"



Above Ceiling Height
with 5/8" Ceiling
• 8.15" 6000L & 7000L

Above Ceiling Height
• Max Ceiling Thickness
1.21" - 7.56"
• Min Ceiling Thickness
0.20" - 8.57"



Photometry

Model

V6OVHMR1WW-2035K-MR160-SCL-AM

Lumens

1,975

Watts

26.07

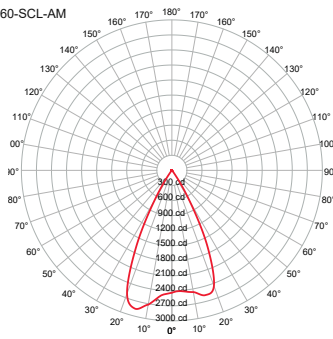
Efficacy

75.76

SC

0.93

Candela Curve



Cone of Light

| Mounting Height AFF | FC at Center on Floor | Beam Diameter |
|---------------------|-----------------------|---------------|
| 8.0' | 38 fc | 7.9' |
| 10.0' | 24 fc | 9.9' |
| 12.0' | 17 fc | 11.8' |
| 14.0' | 12 fc | 13.8' |
| 16.0' | 10 fc | 15.8' |
| 20.0' | 6 fc | 19.7' |
| 24.0' | 4 fc | 23.7' |
| 30.0' | 3 fc | 29.6' |

Candela Table

| | 0.00° |
|--------|-------|
| 0.00° | 2,438 |
| 5.00° | 2,420 |
| 10.00° | 2,464 |
| 15.00° | 2,575 |
| 20.00° | 2,450 |
| 30.00° | 720 |
| 40.00° | 38 |
| 50.00° | 14 |
| 60.00° | 9 |
| 70.00° | 7 |
| 80.00° | 6 |
| 90.00° | 5 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|------------|--------|-------------|
| 0° - 30° | 1,705 | 86% |
| 0° - 40° | 1,881 | 95% |
| 0° - 60° | 1,922 | 97% |
| 60° - 90° | 20 | 1% |
| 0° - 20° | 986 | 50% |
| 20° - 50° | 923 | 47% |
| 50° - 70° | 21 | 1% |
| 70° - 90° | 12 | 1% |
| 0° - 90° | 1,941 | 98% |
| 90° - 180° | 34 | 2% |
| Total | 1,975 | 100% |

Spacing Criterion

| Height | Spacing | Light Level* |
|--------|---------|--------------|
| 8 ft | 7.4 ft | ~ 38 fc |
| 10 ft | 9.3 ft | ~ 24 fc |
| 12 ft | 11.2 ft | ~ 17 fc |
| 8 ft | 5.6 ft | ~ 68 fc |
| 10 ft | 7.0 ft | ~ 43 fc |
| 12 ft | 8.4 ft | ~ 30 fc |
| 8 ft | 3.7 ft | ~ 152 fc |
| 10 ft | 4.7 ft | ~ 98 fc |
| 12 ft | 5.6 ft | ~ 68 fc |

* approximate direct light level at floor based on spacing criterion overlap

Multiplier

| CRI | Multiplier | Kelvin | Multiplier | Reflector Finish | Multiplier |
|-----|------------|--------|------------|------------------|------------|
| 80 | 1 | 2700K | 0.939 | SCL | 1 |
| 90 | 0.8 | 3000K | 0.975 | SGC | 0.95 |
| | | 3500K | 1 | WHT | 0.87 |
| | | 4000K | 10.35 | | |
| | | 5000K | 1.098 | | |

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Electromagnetic Interference (EMI) Filter



VEMI2 - 2-Port EMI Filter

VEMI4 - 4-Port EMI Filter

APPLICATIONS

- MRI Rooms

MATERIALS

- Steel Enclosure
- Steel Threaded Pipe
- Easy Connect Terminal Blocks

ELECTRICAL

- Calss II output 100W
- 3A / up to 40VDC

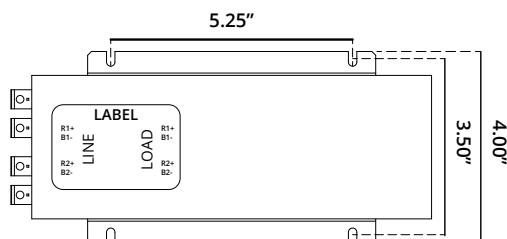
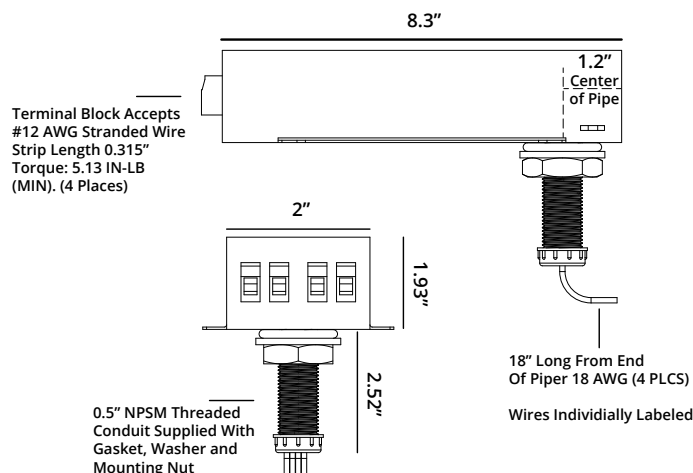
SPECIFICATIONS

- Filter provides >100dB attenuation between 10Khz - 1Ghz on 0-10V dimming circuits
- Operating temperature rating: -10°C to + 60°C

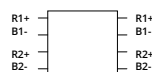
MECHANICAL (DIMENSIONS - INCHES)

| PART NUMBER | DESCRIPTION | LENGTH | WIDTH | DEPTH |
|-------------|-------------------|--------|-------|-------|
| VEMI2 | 2-Port EMI Filter | 8.70" | 3.98" | 1.93" |
| VEMI4 | 4-Port EMI Filter | 8.70" | 6.73" | 1.93" |

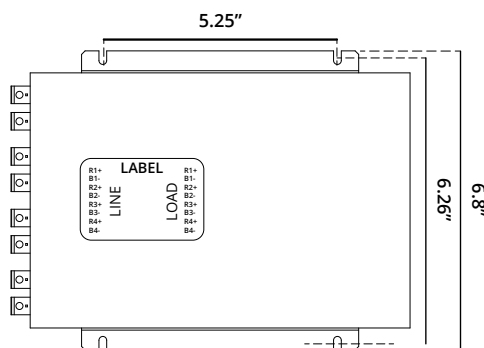
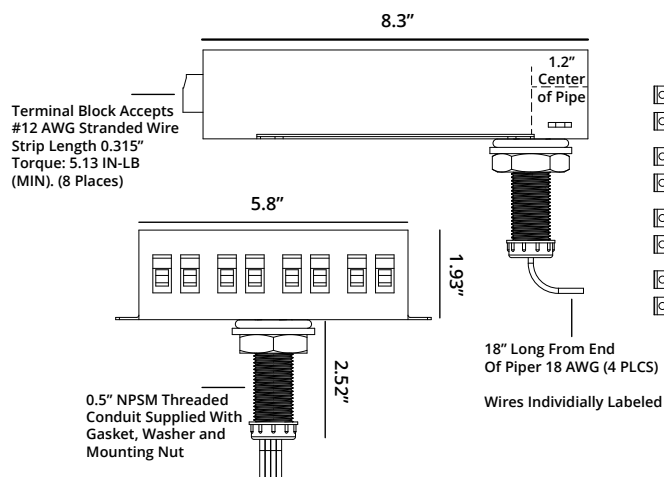
VEMI2 - 2-Port EMI Filter



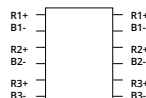
ELECTRICAL SCHEMATIC



VEMI4 - 4-Port EMI Filter



ELECTRICAL SCHEMATIC



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