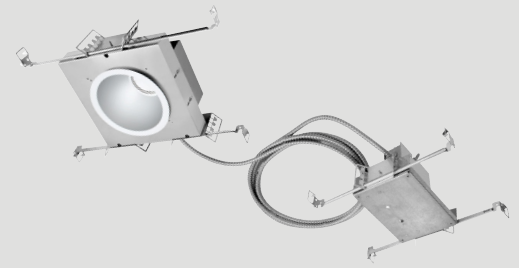


Part #	Prepared By
Project	Notes
Type	
Date	



# 8" Round, vHealth® MRI

## Open, LED Downlight, 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. Open vHealth® MRI recessed downlights provide the sharpest 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
- 120V - 277V
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

#### OPTICS

- Precision spun architectural-grade reflector
- 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](http://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: V8OVHMRIU-1130K-MRI8060-SGC-AM-TDM

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Antimicrobial Finishes	Options**
V8OVHMRI	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	MRI8060 Medium Beam 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.	VEM12 VEM14 DTD TDM DL-2 DL-3 LDE1 LDE5 PEQ0 HCR PF EM-17 EM-20

#### \*Options Notes

- VEM12 - 2-Port EMI Filter
- VEM14 - 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 batter back-up. Remote test button & indicator light. For 6000 & 7000 lumen luminaires.

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

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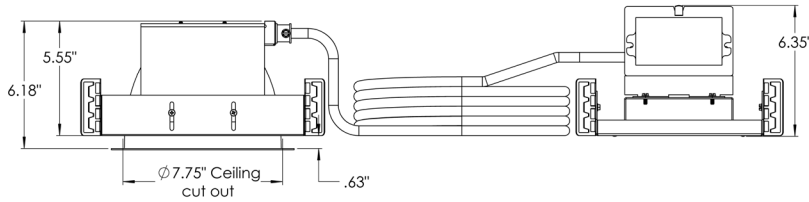
# 8" Round, vHealth® MRI

Open, LED Downlight, MRI, 750-7000 Lumens

## Dimensional Data

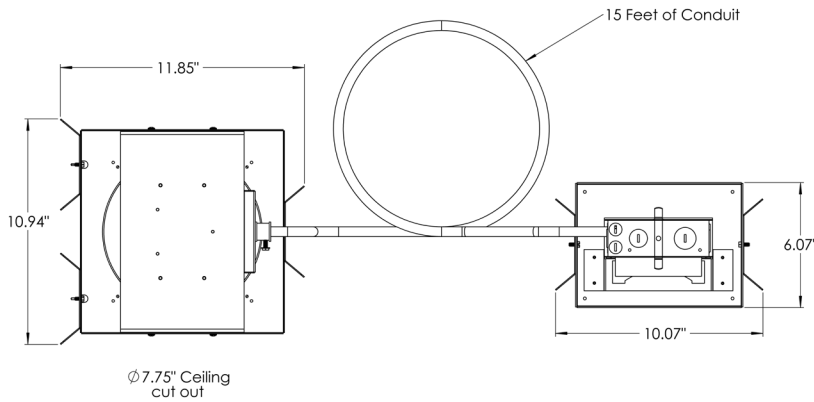
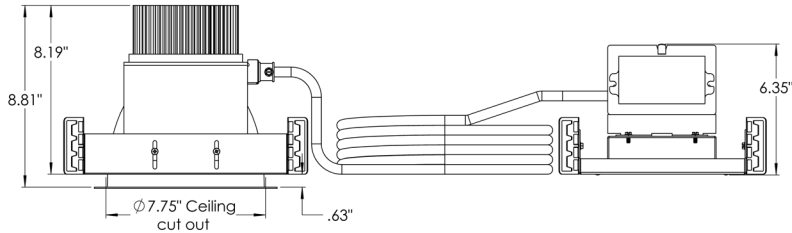
Above Ceiling Height with 5/8" Ceiling  
 • 5.55" ≤ 3000L  
 • 5.75" 4000L & 5000L

Above Ceiling Height  
 • Max Ceiling Thickness 1.25" - 4.93"  
 • Min Ceiling Thickness 0.20" - 5.98"



Above Ceiling Height with 5/8" Ceiling  
 • 8.19" 6000L & 7000L

Above Ceiling Height  
 • Max Ceiling Thickness 1.25" - 7.56"  
 • Min Ceiling Thickness 0.20" - 8.61"



## Photometry

**Model**  
 V8OVHMRIU-2035K-MRI8060-SCL-AM

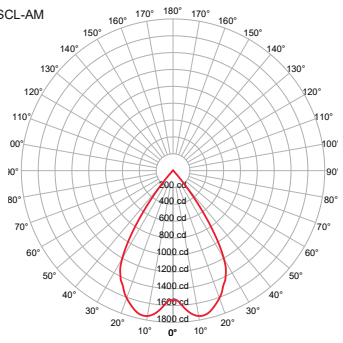
**Lumens**  
 1,800

**Watts**  
 27.2

**Efficacy**  
 66.18

**SC**  
 1.15

**Candela Curve**



**Cone of Light**

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0'	24 fc	10.6'
10.0'	15 fc	13.2'
12.0'	11 fc	15.8'
14.0'	8 fc	18.5'
16.0'	6 fc	21.1'
20.0'	4 fc	26.4'
24.0'	3 fc	31.7'
30.0'	2 fc	39.6'

**Candela Table**

0.00°	0.00°
0.00°	1,545
5.00°	1,644
10.00°	1,751
15.00°	1,723
20.00°	1,609
30.00°	1,207
40.00°	212
50.00°	19
60.00°	9
70.00°	5
80.00°	2
90.00°	0

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0° - 30°	1,303	72%
0° - 40°	1,732	96%
0° - 60°	1,789	99%
60° - 90°	11	1%
0° - 20°	643	36%
20° - 50°	1,135	63%
50° - 70°	19	1%
70° - 90°	4	0%
0° - 90°	1,800	100%
90° - 180°	0	0%
<b>Total</b>	<b>1,800</b>	<b>100%</b>

**Spacing Criterion**

Height	Spacing	Light Level*
8 ft	9.2 ft	~ 24 fc
10 ft	11.5 ft	~ 15 fc
12 ft	13.8 ft	~ 11 fc
8 ft	6.9 ft	~ 43 fc
10 ft	8.6 ft	~ 27 fc
12 ft	10.3 ft	~ 19 fc
8 ft	4.6 ft	~ 97 fc
10 ft	5.8 ft	~ 62 fc
12 ft	6.9 ft	~ 43 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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### 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

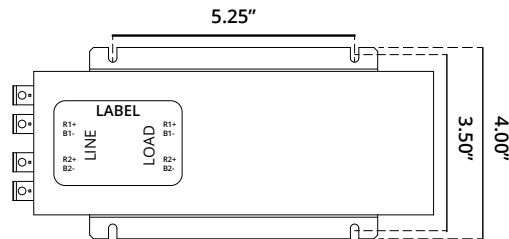
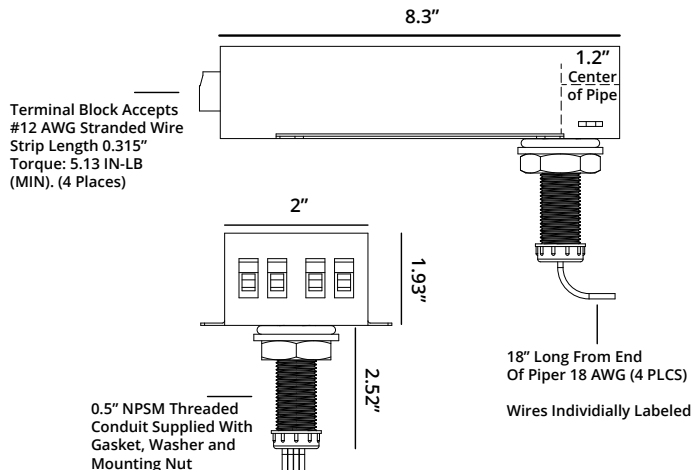
#### SPECIFICATIONS

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

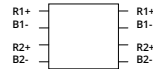
#### MECHANICAL (DIMENSIONS - INCHES)

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"

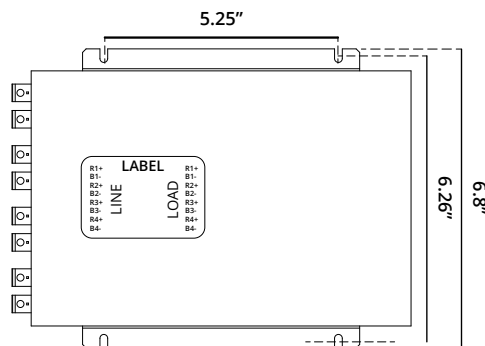
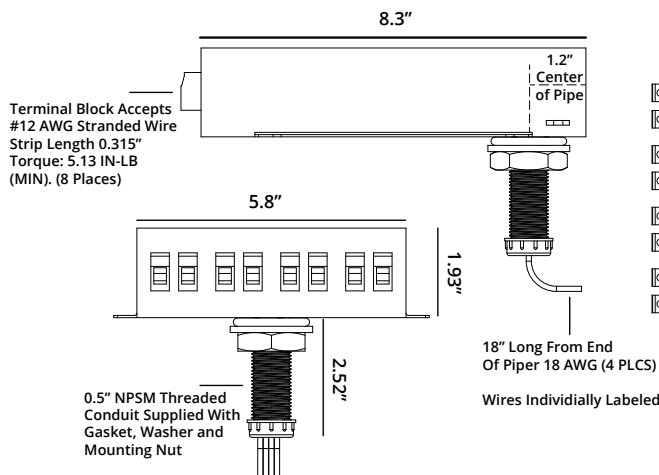
### VEMI2 - 2-Port EMI Filter



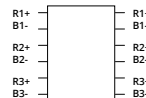
#### ELECTRICAL SCHEMATIC



### VEMI4 - 4-Port EMI Filter



#### ELECTRICAL SCHEMATIC



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