vHealth® LIGHTING

8" 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 relialbe 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 ascent 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 auxillary 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 peformed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures
- Insulation cannot be in contact with luminaire

Ordering Information

EXAMPLE: V8OVHMRIWWU-1130K-MRI6160-SGC-AM-TDM

V8OVHMRIWW		-		-		-	MRI8160	-		-	
Series	Voltage		Lumens		Kelvin (CCT)		Reflector		Antimicrobial Finishes		Options**
V8OVHMRIWW	**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		**MRI8160** 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 (Foward 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.
vHealth® is a registered trademark of Lexington Lighting Group, LLC dba Vantage Lighting
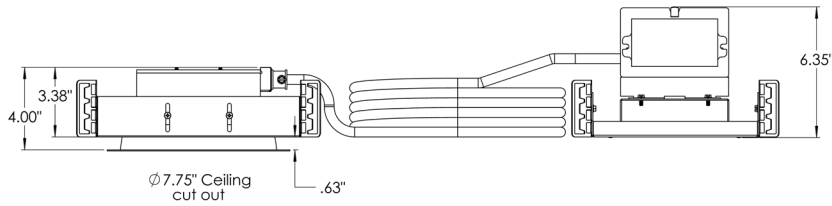
8" Round, vHealth® MRI

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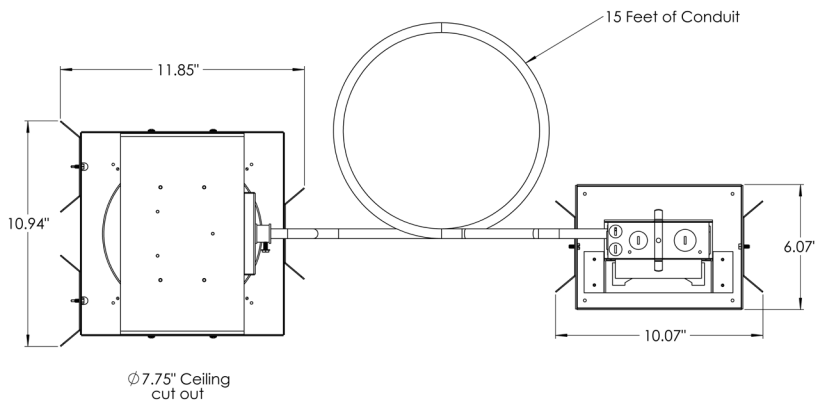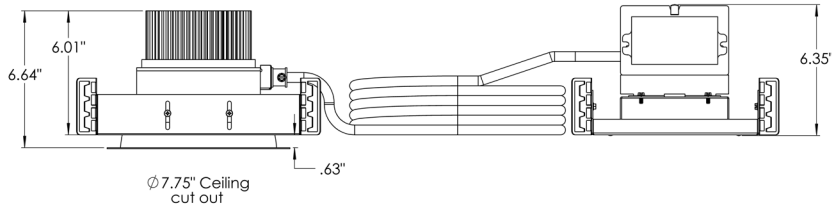
Dimensional Data

Above Ceiling Height with 5/8" Ceiling
• 3.38" ≤ 3000L
• 3.58" 4000L & 5000L

Above Ceiling Height
• Max Ceiling Thickness 1.19" - 2.82"
• Min Ceiling Thickness 0.20" - 3.80"

3.38"
4.00"
⌀ 7.75" Ceiling cut out
.63"
6.35"

Above Ceiling Height with 5/8" Ceiling
• 6.01" 6000L & 7000L

Above Ceiling Height
• Max Ceiling Thickness 1.19" - 5.45"
• Min Ceiling Thickness 0.20" - 6.44"

6.01"
6.64"
⌀ 7.75" Ceiling cut out
.63"
6.35"

11.85"
10.94"
⌀ 7.75" Ceiling cut out
15 Feet of Conduit
6.07"
10.07"

Photometry

Model
V80VHMRIWWU-3035K-MRI8160-SCL-AM

Lumens
3074.29

Efficacy
83.63

SC
0.9959

Curve

Polar Candela Distribution

Legend:
- 0° H
- 90° H
- 22.5° H
- 45° H
- 67.5° H
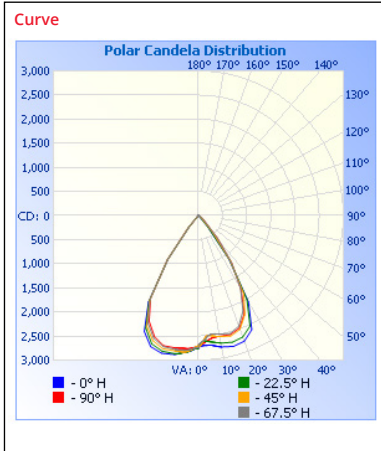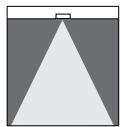
Cone of Light

	Center Beam fc	Beam Width	
1.7	943	2.2	1.9
3.3	250	4.3	3.8
5.0	109	6.5	5.7
6.7	60.7	8.7	7.6
8.3	39.5	10.8	9.5
10.0	27.2	13.0	11.4

Candela Table

Degrees Vertical	Candela
0.0	2724
1.0	2711
3.0	2696
5.0	2700
7.0	2720
9.0	2752
10.0	2766
15.0	2807
20.0	2772
25.0	2609
30.0	2065
35.0	1099
40.0	294
45.0	39
50.0	26
55.0	19
60.0	15
65.0	12
70.0	10
75.0	9
80.0	8
85.0	7
90.0	6

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2138.5	69.6
0-40	2838.2	92.3
0-60	2980.0	97
60-90	42.8	1.4
70-100	31.3	1
90-120	22.8	0.7
0-90	3023.7	98.4
90-180	50.6	1.6
0-180	3074.4	100

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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vHealth® MRI

Electromagnetic Interference (EMI) Filter

vHealth®
LIGHTING

VEMI2 - 2-Port EMI Filter

VEMI4 - 4-Port EMI Filter

APPLICATIONS
- MRI Rooms

MATERIALS
- Steel Enclosure
- Steel Threaded Pipe
- Easy Connect Terminal Blocks
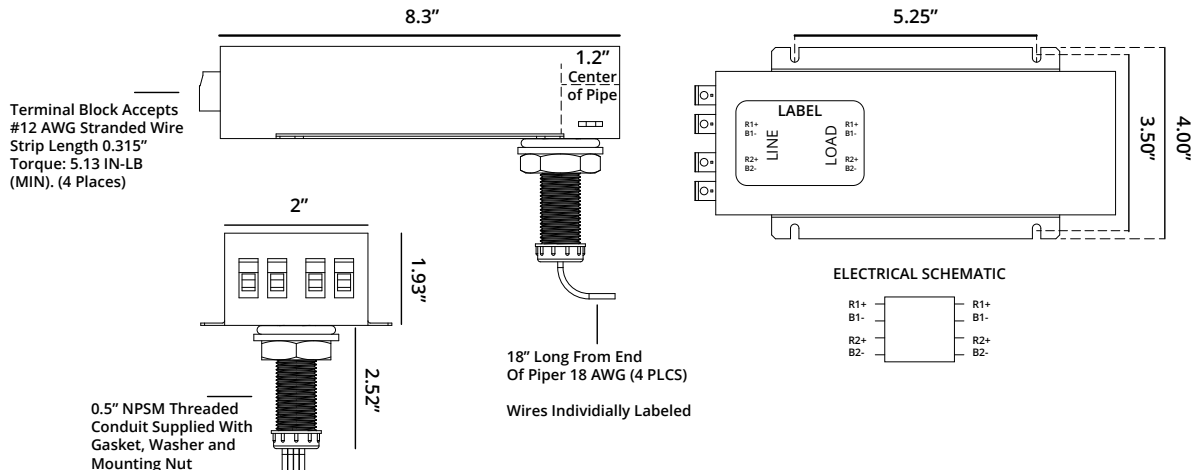
ELECTRICAL
- Calss II output 100W
- 3A / up to 40VDC

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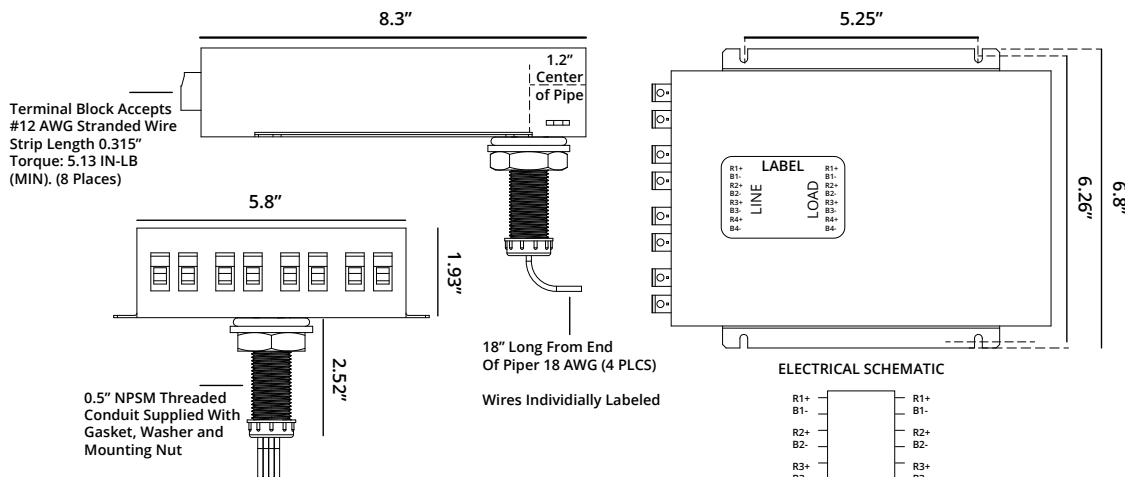- Operating temperature rating: -10°C to + 60°C

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

Terminal Block Accepts #12 AWG Stranded Wire Strip Length 0.315" Torque: 5.13 IN-LB (MIN). (4 Places)

0.5" NPSM Threaded Conduit Supplied With Gasket, Washer and Mounting Nut

1.2" Center of Pipe

18" Long From End Of Piper 18 AWG (4 PLCS)

Wires Individially Labeled

ELECTRICAL SCHEMATIC

VEMI4 - 4-Port EMI Filter

Terminal Block Accepts #12 AWG Stranded Wire Strip Length 0.315" Torque: 5.13 IN-LB (MIN). (8 Places)

0.5" NPSM Threaded Conduit Supplied With Gasket, Washer and Mounting Nut

1.2" Center of Pipe

18" Long From End Of Piper 18 AWG (4 PLCS)

Wires Individially Labeled

ELECTRICAL SCHEMATIC