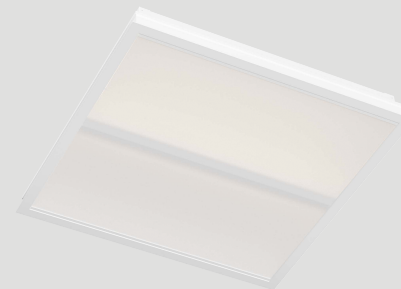


Part #	Prepared By
Project	Notes
Type	
Date	



# VIR vHealth® Medical Indirect Troffer

Indirect Recessed Luminaire 1950-11750 Lumens



## Description

vHealth® VIR luminaires are made with cold rolled, 22 gauge steel. Luminaire body finish is high reflectance baked white enamel, with matte white reflectors. Wiring knockouts are provided on the back of housing. This specification grade fixture provides smooth and uniform ambient lighting for patient rooms in hospitals with recessed ceilings. Reflected light from matte surfaces provide a softened appearance to modern healthcare environments.

## Warranty & Notes

### ELECTRICAL SYSTEM

- 1950 - 11750 lumens
- 2700K - 5000K CCT (BioSync® White tuning LED available)
- 80 CRI (+90 CRI optional)
- Standard 0-10V dimming driver, optional drivers available
- 120V-277V Input Volts
- Minimum 50,000 hour lifetime at L70

### OPTICS & OPTIONS

- Compatible with Curbell Pillow speakers
- Easy to clean

## FRAME & MOUNTING

- 22 gauge cold rolled steel, sized for standard 1" T-bar grid mounting
- Multiple 7/8" knockouts and standard access cover allow for easy wiring and installation

## Listings

- ETL certified to UL 1598
- Suitable for dry and damp locations
- Buy American Act (BAA)

## Warranty & Notes

- 5-year limited warranty on LED module and driver
- Insulation cannot be in direct contact with luminaire



- **OPTIONAL Curbell module allows for seamless integration with Curbell pillow top control**

## Ordering Information

EXAMPLE: VIR-22L-Y33W-DMV-40K-RL

Series	Size	Wattage	Driver	Kelvin (CCT)	Finish	Options*	Accessories
VIR	14L - 12"W X 48"L	Y15W - 1950 Lumens Y20W - 2600 Lumens Y25W - 3250 Lumens Y33W - 4290 Lumens BC35W <sup>1</sup> - 4000 Lumens	DMV 0-10V Dimming D1MV 0-10V Dimming Dim to 1% G120 ELV/Triac Dimming at 120V only	Blank <sup>1</sup> - BioSync® White 2700K to 5000K (Only for BCxxW options) 80CRI 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K 90CRI 930K - 3000K 935K - 3500K 940K - 4000K	BLANK - Antimicrobial Paint White Finish AMBK - Antimicrobial Paint Black Finish AMxx - Antimicrobial Paint Custom Finish	SNS PS WP5W WP6W EM14 EM20	FIK1X4 1X4 Frame-in-kit FIK2X2 2X2 Frame-in-kit FIK2X4 2X4 Frame-in-kit SHMOT1X4 1X4 Shroud kit SHMOT2X2 2X2 Shroud kit SHMOT2X4 2X4 Shroud kit
	22L - 24"W X 24"L	Y15W - 1950 Lumens Y20W - 2600 Lumens Y25W - 3250 Lumens Y38W - 4900 Lumens Y44W - 5900 Lumens BC35W <sup>1</sup> - 4000 Lumens					
	24L - 24"W X 48"L	Y20W - 2800 Lumens Y25W - 3500 Lumens Y30W - 4200 Lumens Y35W - 4900 Lumens Y40W - 5600 Lumens Y45W - 6300 Lumens Y54W - 7560 Lumens Y88W - 11750 Lumens BC70W <sup>1</sup> - 8000 Lumens					

### \*Options Notes

- PS - Integrated controller compatible with CURBELL Pillow Speakers
- WP5W - 6ft. 5 wire 18 gauge whip
- WP6W - 6ft. 6 wire 18 gauge whip (dimming EM)
- EM14 - 14W Emergency battery backup
- EM20 - 20W Emergency battery backup (remote only)
- SNS - Optional SNS200 occupancy sensor

### \*Notes

- <sup>1</sup> - BioSync® White Tuning 2700K - 5000K

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.

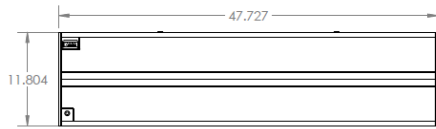
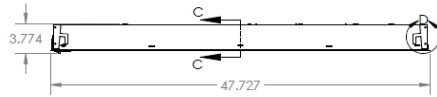
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## Indirect Recessed Luminaire 1950-11750 Lumens

### Dimensional Data

#### Back

##### 1x4

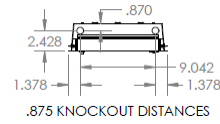
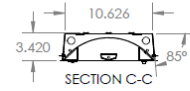


#### End

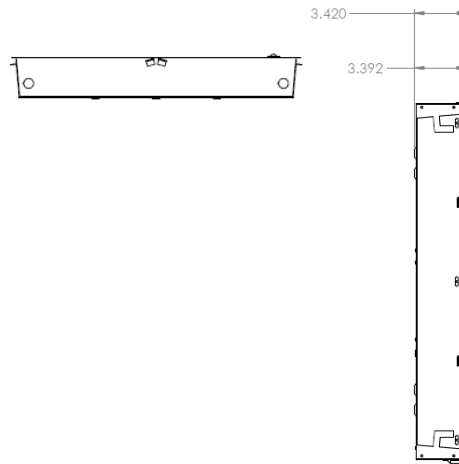
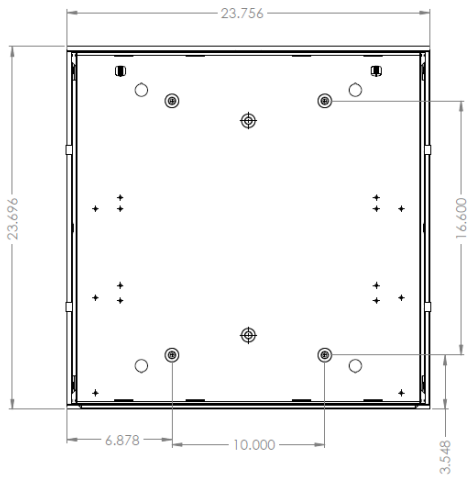
Bend out to engage earthquake hook



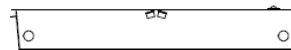
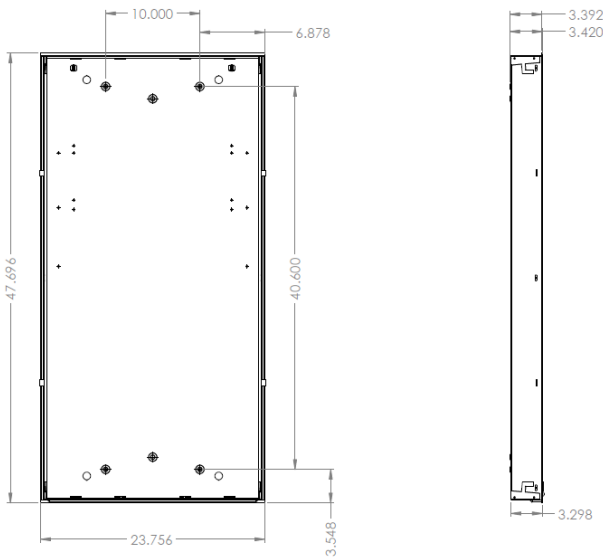
DETAIL D  
SCALE 1 : 4



##### 2x2



##### 2x4



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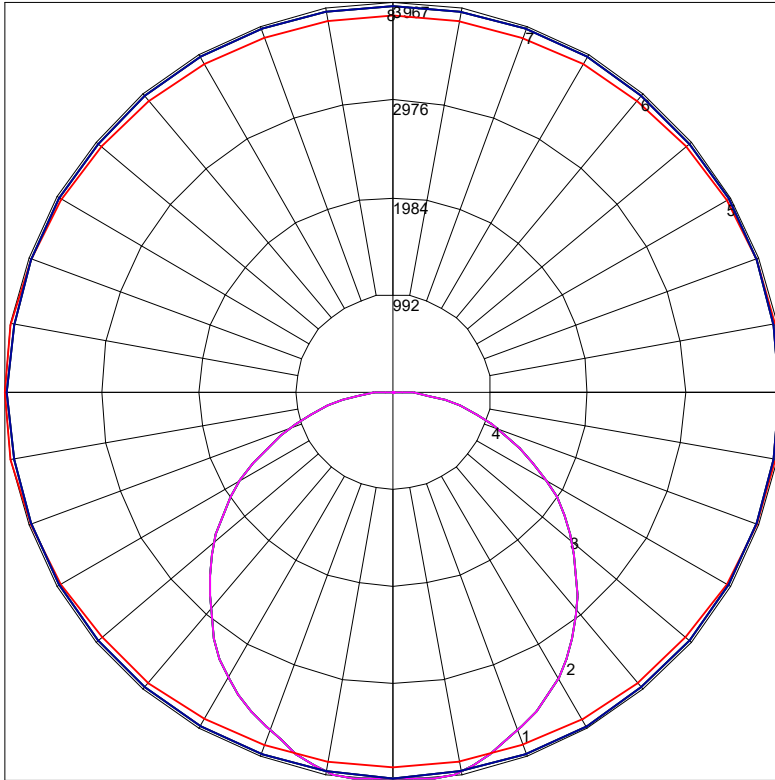
## Indirect Recessed Luminaire 1950-11750 Lumens

### Photometrics

#### IES INDOOR REPORT

PHOTOMETRIC FILENAME : MOT24LY88WDMV50K.IES

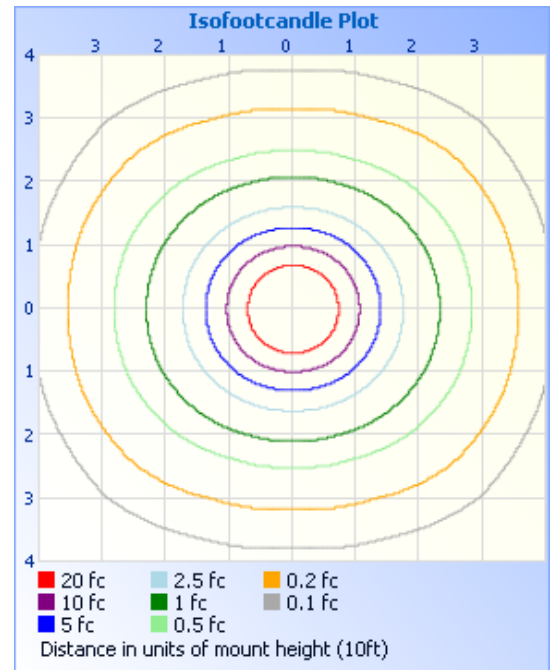
#### POLAR GRAPH



Maximum Candela = 3967.4 Located At Horizontal Angle = 0, Vertical Angle = 6  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 3 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 4 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 5 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)  
 # 6 - Horizontal Cone Through Vertical Angle (0)  
 # 7 - Horizontal Cone Through Vertical Angle (0)  
 # 8 - Horizontal Cone Through Vertical Angle (0)

Illuminance at a Distance			
	Center Beam fc	Beam Width	
1.7 ft	1,664 fc	4.0 ft	4.9 ft
3.3 ft	442 fc	7.7 ft	9.5 ft
5.0 ft	192 fc	11.7 ft	14.3 ft
6.7 ft	107 fc	15.6 ft	19.2 ft
8.3 ft	69.8 fc	19.4 ft	23.8 ft
10.0 ft	48.1 fc	23.3 ft	28.7 ft

Vert. Spread: 98.8°  
 Horiz. Spread: 110.2°



#### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80		70		50		30		10		0							
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0			
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.05	1.00	.97	1.06	1.02	.98	.85	.98	.95	.92	.94	.92	.89	.91	.88	.87	.85
2	.99	.91	.85	.79	.97	.89	.83	.72	.86	.81	.76	.83	.78	.75	.80	.76	.73	.71
3	.91	.80	.72	.66	.88	.79	.71	.62	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60
4	.83	.71	.63	.56	.81	.70	.62	.53	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5	.77	.64	.55	.49	.75	.63	.55	.46	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6	.71	.58	.49	.42	.69	.57	.48	.41	.55	.47	.42	.53	.47	.42	.52	.46	.41	.39
7	.66	.52	.44	.38	.64	.52	.43	.37	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8	.61	.48	.39	.34	.60	.47	.39	.33	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9	.57	.44	.36	.30	.56	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10	.54	.41	.33	.28	.52	.40	.33	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25

#### Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	1161.08	9.90
0-30	3000.49	25.50
0-40	4702.00	40.00
0-60	8702.69	74.00
0-80	11134.46	94.70
0-90	11747.93	100.00
10-90	11446.93	97.40
20-40	3540.93	30.10
20-50	5325.16	45.30
40-70	5382.74	45.80
60-80	2431.77	20.70
70-80	1049.72	8.90
80-90	613.47	5.20
90-110	5.19	0.00
90-120	5.19	0.00
90-130	5.19	0.00
90-150	5.19	0.00
90-180	5.19	0.00
110-180	0.00	0.00
0-180	11753.12	100.00

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