

Catalog #	Type
Project	
Notes	Date
Prepared by	

# 6" Round vHealth® Behavioral Health

LED 6" Lensed Downlight, 750-7000 Lumens



## Description

Designed for modern healthcare facilities. 6 inch LED recessed, non-IC luminaire with medium beam spread, featuring superior thermal management with low profile projection into the plenum. Light engine features LED module and LED driver with outputs ranging from 750 to 7000 lumens and color temperatures from 2700 to 5000K. A wide selection of drivers, antimicrobial finishes and emergency battery back-up options available.

## Specifications and Features

### Construction

Access covers and spring retaining latches; (3) 3/4" knockouts allowing straight conduit runs. Listed for (8) #12 AWG (4 in, 4 out), 90°C conductors and feed through branch wiring. Driver, LED module and optional battery backup accessible from below ceiling. Reflectors are held in place by vandal resistant fasteners, securing reflector flange tightly to finished hard ceiling.

Vertically adjustable mounting brackets, accessible from below, accept a variety of mounting bars. Provided as standard with rigid formed bar hangers with joist positioning tabs, integral nails, auxiliary nail holes and T-bar slots. Suitable for joist spacing from 12 to 24".

### Light Engine

LED module produces up to 107 lumens per watt. Output ranges from 750 to 7000 lumens with (4) standard color temperatures. Color variations are less than 3-step MacAdam ellipses and have greater than 85 CRI at all color temperatures. Rated life in excess of 50,000 hours at 70% of initial lumen output ( $L_{70} \geq 50,000$  hours). Standard driver features auto reset thermal protection and 0-10V dimming to 1% of light output with flicker free operation. Optional TRIAC (phase control) Lutron Fade-to-Black and other dimming drivers available. Optional BioSync™ control technology.

## Ordering Information

								EXAMPLE: V6EVHVRU-1130K-VBHL6011P-SGC-AM
Series/Source	Voltage	Lumens	Kelvin	Reflector	Lens	Finish	Options	
V6EVHVR	<b>U<sup>1</sup></b> - 120V-277V	<b>-07<sup>8</sup></b> - 750	<b>27K</b> - 2700K	<b>VBHL601</b> -	<b>1FRP</b>	<b>SCL-AM</b>	<b>LDE1<sup>3</sup></b>	
6" round	<b>1</b> - 120 Volts	<b>-11<sup>8</sup></b> - 1100	<b>30K</b> - 3000K	Medium Distribution	<b>1P</b>	<b>SGC-AM</b>	<b>TDM<sup>4</sup></b>	
	<b>2</b> - 277 Volts	<b>-15<sup>8</sup></b> - 1500	<b>35K</b> - 3500K			<b>WHT-AM</b>	<b>DTD<sup>6</sup></b>	
		<b>-20<sup>8</sup></b> - 2000	<b>40K</b> - 4000K				<b>EM-17<sup>7</sup></b>	
		<b>-30</b> - 3000	<b>50K</b> - 5000K				<b>EM-20<sup>8</sup></b>	
		<b>-40<sup>3</sup></b> - 4000	<b>BSC</b> - BioSync™				<b>HCR<sup>10</sup></b>	
		<b>-50<sup>3,4</sup></b> - 5000	<b>Color<sup>9</sup></b>				<b>PF</b>	
		<b>-60<sup>2,3,4</sup></b> - 6000					<b>AT</b>	
		<b>-70<sup>2,3,4</sup></b> - 7000						

### Notes

1 - Must provide voltage when optional drivers are selected.

2 - DL-2 Not available above 3000 Lumens.

3 - LDE1 not available above 4000 Lumens.

4 - TDM driver not available above 5000 Lumens.

5 - DTD not available above 4000 Lumens.

7 - EM17 and EM17 for use up to 5000 lumens.

8 - EM20 for use above 5000 Lumens.

9 - BSC not available above 2000 Lumens, includes DTD driver

10 - HCR not available above 2000 lumens

### Lens Options

**1FRP** - Frosted Polycarbonate

**1P** - Clear Polycarbonate

### Anti-Microbial Reflector

#### Finish Options

**SCL-AM** - Specular Clear

**SGC-AM** - Soft Glow Clear

**WHT-AM** - White Painted

**All trims supplied standard with white painted flange.**

### Options

**LDE1<sup>3</sup>** - Lutron EcoSystem Fade-to-Black™.

**TDM<sup>4</sup>** - Triac Dimming Driver.

Not available above 5000 Lumens.

**DTD<sup>6</sup>** - 0-10V, 0.1% dimming.

**EM-17<sup>7</sup>** - Emergency battery back-up. Remote test button & indicator Light.

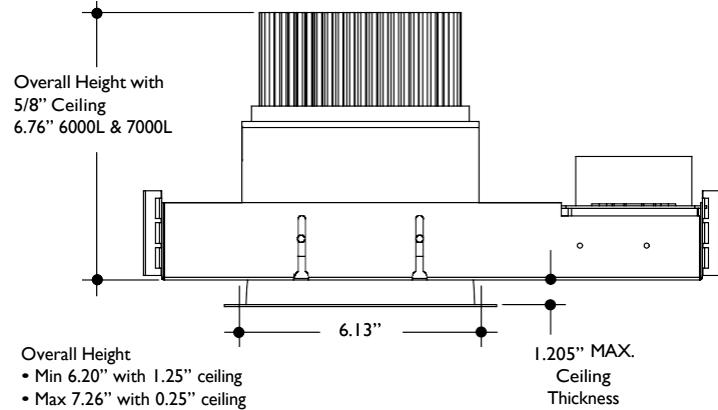
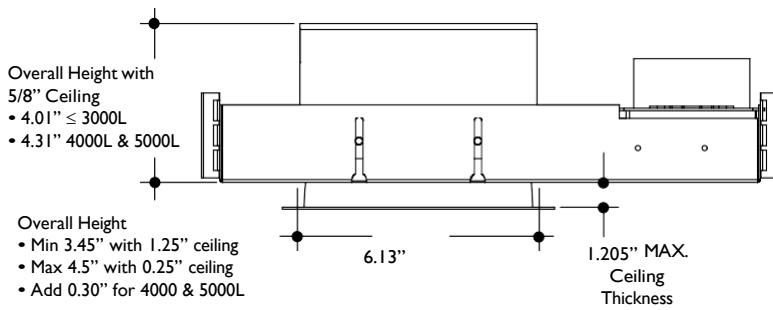
**EM-20<sup>8</sup>** - Emergency battery back-up. Remote test button & indicator Light.

**PF** - Polished Flange.

**AT** - Air Tight

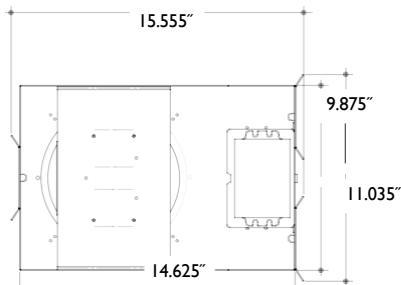
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Ceiling Cut Out 6.13"



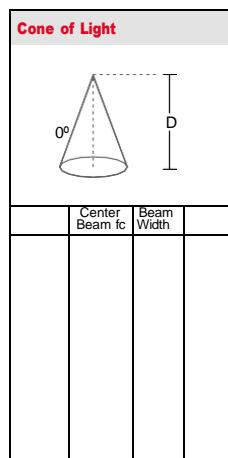
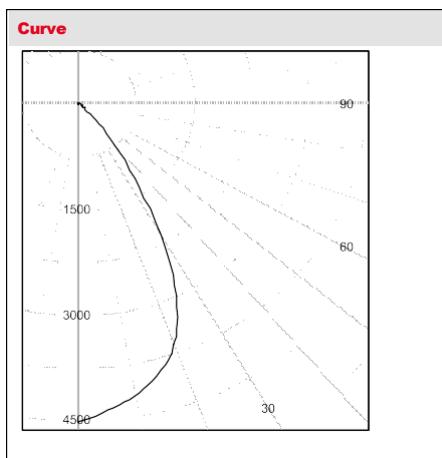
Lumens	Wattage*
750	9.4
1100	15.4
1500	21.6
2000	27.2
3000	33.2
4000	45.6
5000	58.5
6000	60.1
7000	85.3

All measured at 3000K  
 \*Actual Wattage/Lumens may vary.



## Photometrics

<b>Test Number</b> LLI-17113-10
<b>Model</b> V6EVHU-5035K- L6011SCL
<b>Lumens</b> 4095
<b>Efficacy</b> 70.2
<b>SC</b> 0.99



Degrees Vertical	Candela
0.0	4504
2.5	4465
5.0	4378
7.5	4303
10.0	4221
12.5	4124
15.0	4002
20.0	3646
22.5	3371
25.0	3019
27.5	2631
30.0	2158
32.5	1670
35.0	1279
37.5	950
40.0	658
42.5	428
45.0	253
47.5	139
50.0	96

Zone	Lumens	% Luminaire
0-30	2693	70.6
0-40	3704	90.5
0-60	3993	97.5
0-90	4095	100.0
40-90	391	9.5
60-90	102	2.5
90-180	0	0.0
0-180	4095	100.0

VANTAGE LIGHTING F-CLASS GEN V Multipliers	
CRI	MULTIPLIER
80	1
90	0.81
KELVIN	MULTIPLIER
5000K	1.098
4000K	1.035
3500K	1
3000K	0.975
2700K	0.939
FINISH	MULTIPLIER
SCL	1
SGC	0.95
WHT	0.87