

job name:   
 type:

# i.rod.6™ spec sheet 90CRI

**LED**

**body illumination**

flexible planar LED lighting sheet in 3000K, 3500K, or 4000K (90+CRI), L70 > 60,000 hrs.  
 silver braid power cord standard.

**downlight** (optional)

Bridgelux Vero SE series in 3000K, 3500K, or 4000K (90CRI), L70 > 50,000 hrs.  
 factory wired for dual circuit dimming. electrical contractor to provide 2nd circuit.

**driver(s)**

programmable, class 2, class P universal input (120-277v), constant current, 0-10v dimming, 1% minimum dimming level, PF > .9, THD < 20%, protections include open and short circuit, overload and over temperature. remote driver enclosure standard. consult factory for distances over 33 feet.

**diffuser**

6" dia. .118" Satinice white acrylic cylinder, featuring light diffusion beads evenly distributed throughout the material for optimum light diffusion.

**mounting**

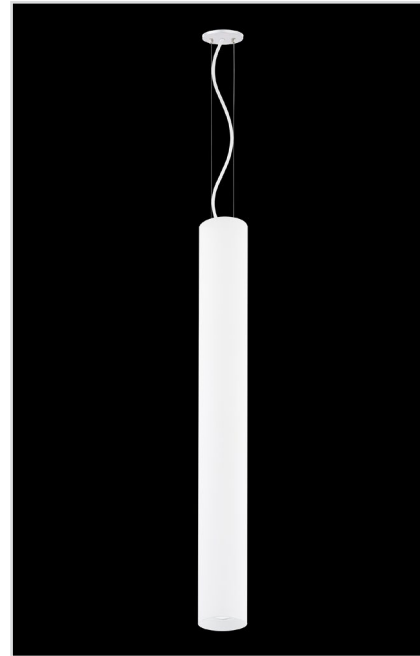
5"dia. matte white canopy. dual stainless steel cables and field adjustable grippers that allow for exact AFF mounting heights. silver braid power cord standard.

**CDVR (optional)**

7"dia. spun .064" aluminum canopy in matte white for surface mounted driver.

**emergency**

recommend use of inverter (by other).  
 optional WREM: wired for remote EM battery (by other).



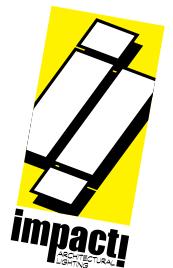
## catalog number

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size	body illumination		downlight		options	
P9412.LV (1ft) 6"dia X 12"ht	CCT	lumens	NDL	no downlight	6FT	72" cable
	30	3000K	HI	1355 lm	12FT	144" cable
	35	3500K			CDVR	7" surface-mounted driver canopy
	40	4000K			WREM	wired for remote EM battery pack (by other) (see note above)
					ELD	EldoLED*
					LUT	Lutron* *consult factory

P9418.LV (1.5ft) 6"dia X 18"ht	CCT	lumens	CCT	lumens
	30	3000K	30	3000K
	35	3500K	35	3500K
	40	4000K	40	4000K
		LO 1600 lm	NDL	no downlight
		HI 2095 lm	LO	1300 lm
		CL xxxx lm		
		<small>custom lumens consult factory 1600-2095 lm</small>		<small>if selected, factory wired for dual circuit dimming</small>



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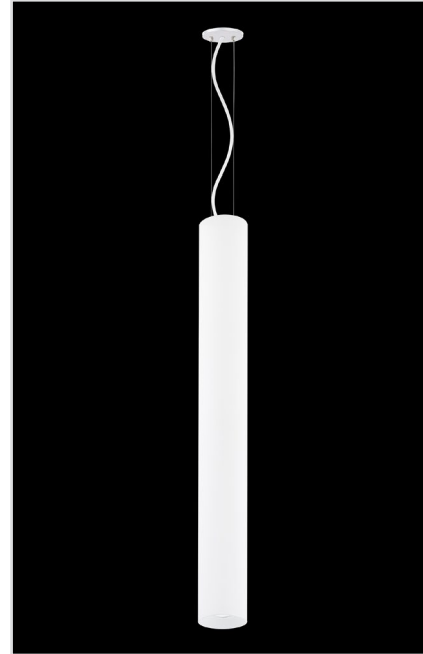
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**CDVR (optional)**

7"dia. spun .064" aluminum canopy in matte white for surface mounted driver.

**emergency**

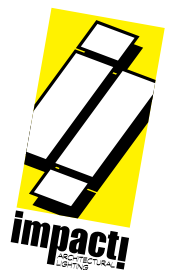
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 optional WREM: wired for remote EM battery (by other).



## catalog number

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size	body illumination	downlight	options																												
<b>P9424.LV (2ft)</b> 6"dia X 24"ht	<table border="0"> <tr> <td style="text-align:center"><b>CCT</b></td> <td style="text-align:center"><b>lumens</b></td> </tr> <tr> <td><b>30</b> 3000K</td> <td><b>LO</b> 2095 lm</td> </tr> <tr> <td><b>35</b> 3500K</td> <td><b>HI</b> 2660 lm</td> </tr> <tr> <td><b>40</b> 4000K</td> <td><b>CL</b> xxxx lm <small>custom lumens consult factory 1295-4065 lm</small></td> </tr> </table>	<b>CCT</b>	<b>lumens</b>	<b>30</b> 3000K	<b>LO</b> 2095 lm	<b>35</b> 3500K	<b>HI</b> 2660 lm	<b>40</b> 4000K	<b>CL</b> xxxx lm <small>custom lumens consult factory 1295-4065 lm</small>	<table border="0"> <tr> <td style="text-align:center"><b>CCT</b></td> <td style="text-align:center"><b>lumens</b></td> </tr> <tr> <td><b>30</b> 3000K</td> <td><b>NDL</b> <small>no</small> downlight</td> </tr> <tr> <td><b>35</b> 3500K</td> <td><b>LO</b> 1300 lm</td> </tr> <tr> <td><b>40</b> 4000K</td> <td><b>HI*</b> 1800 lm <small>*max. body lumens 2660</small></td> </tr> </table> <p style="text-align:center; font-size:small;">if selected, factory wired for dual circuit dimming</p>	<b>CCT</b>	<b>lumens</b>	<b>30</b> 3000K	<b>NDL</b> <small>no</small> downlight	<b>35</b> 3500K	<b>LO</b> 1300 lm	<b>40</b> 4000K	<b>HI*</b> 1800 lm <small>*max. body lumens 2660</small>	<table border="0"> <tr> <td><b>6FT</b></td> <td>72" cable</td> </tr> <tr> <td><b>12FT</b></td> <td>144" cable</td> </tr> <tr> <td><b>CDVR</b></td> <td>7" surface-mounted driver canopy</td> </tr> <tr> <td><b>WREM</b></td> <td>wired for remote EM battery pack (by other) (see note above)</td> </tr> <tr> <td><b>ELD</b></td> <td>EldoLED*</td> </tr> <tr> <td><b>LUT</b></td> <td>Lutron* <small>*consult factory</small></td> </tr> </table>	<b>6FT</b>	72" cable	<b>12FT</b>	144" cable	<b>CDVR</b>	7" surface-mounted driver canopy	<b>WREM</b>	wired for remote EM battery pack (by other) (see note above)	<b>ELD</b>	EldoLED*	<b>LUT</b>	Lutron* <small>*consult factory</small>
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<b>P9436.LV (3ft)</b> 6"dia X 36"ht	<table border="0"> <tr> <td style="text-align:center"><b>CCT</b></td> <td style="text-align:center"><b>lumens</b></td> </tr> <tr> <td><b>30</b> 3000K</td> <td><b>LO</b> 3200 lm</td> </tr> <tr> <td><b>35</b> 3500K</td> <td><b>HI</b> 4065 lm</td> </tr> <tr> <td><b>40</b> 4000K</td> <td><b>CL</b> xxxx lm <small>custom lumens consult factory 2095-6235 lm</small></td> </tr> </table>	<b>CCT</b>	<b>lumens</b>	<b>30</b> 3000K	<b>LO</b> 3200 lm	<b>35</b> 3500K	<b>HI</b> 4065 lm	<b>40</b> 4000K	<b>CL</b> xxxx lm <small>custom lumens consult factory 2095-6235 lm</small>	<table border="0"> <tr> <td style="text-align:center"><b>CCT</b></td> <td style="text-align:center"><b>lumens</b></td> </tr> <tr> <td><b>30</b> 3000K</td> <td><b>NDL</b> <small>no</small> downlight</td> </tr> <tr> <td><b>35</b> 3500K</td> <td><b>LO</b> 1300 lm</td> </tr> <tr> <td><b>40</b> 4000K</td> <td><b>HI*</b> 1800 lm <small>*max. body lumens 4065</small></td> </tr> </table> <p style="text-align:center; font-size:small;">if selected, factory wired for dual circuit dimming</p>	<b>CCT</b>	<b>lumens</b>	<b>30</b> 3000K	<b>NDL</b> <small>no</small> downlight	<b>35</b> 3500K	<b>LO</b> 1300 lm	<b>40</b> 4000K	<b>HI*</b> 1800 lm <small>*max. body lumens 4065</small>													
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**mounting**

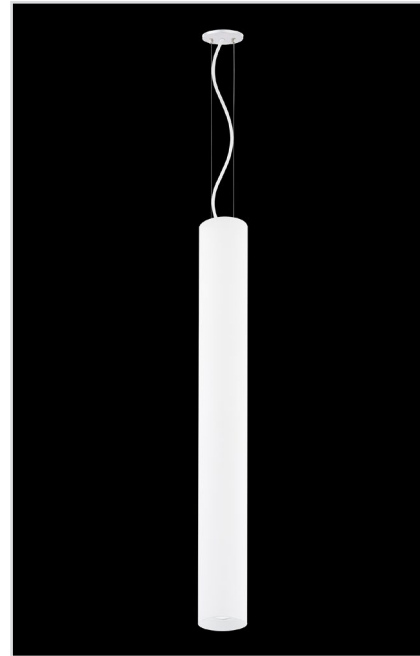
5"dia. matte white canopy. dual stainless steel cables and field adjustable grippers that allow for exact AFF mounting heights. silver braid power cord standard.

**CDVR (optional)**

10"dia. spun .064" aluminum canopy in matte white for surface mounted driver.

**emergency**

recommend use of inverter (by other).  
 optional WREM: wired for remote EM battery (by other).



## catalog number

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**size**

**P9448.LV (4ft)** 6"dia X 48"ht

**body illumination**

CCT	lumens
<b>30</b> 3000K	<b>LO</b> 4190 lm
<b>35</b> 3500K	<b>HI</b> 5420 lm
<b>40</b> 4000K	<b>CL</b> xxxx lm custom lumens consult factory 2835-8375 lm

**downlight**

CCT	lumens
<b>30</b> 3000K	<b>NDL</b> <sup>no</sup> downlight
<b>35</b> 3500K	<b>LO</b> 1300 lm
<b>40</b> 4000K	<b>HI*</b> 1800 lm <small>*max. body lumens 5420</small>

if selected, factory wired for dual circuit dimming

**options**

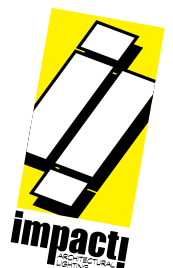
- 6FT** 72" cable
- 12FT** 144" cable
- CDVR** 10" surface-mounted driver canopy
- WREM** wired for remote EM battery pack (by other) (see note above)
- ELD** EldoLED\*
- LUT** Lutron\*  
\*consult factory

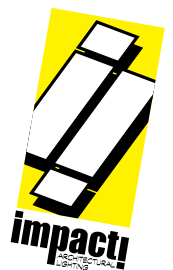
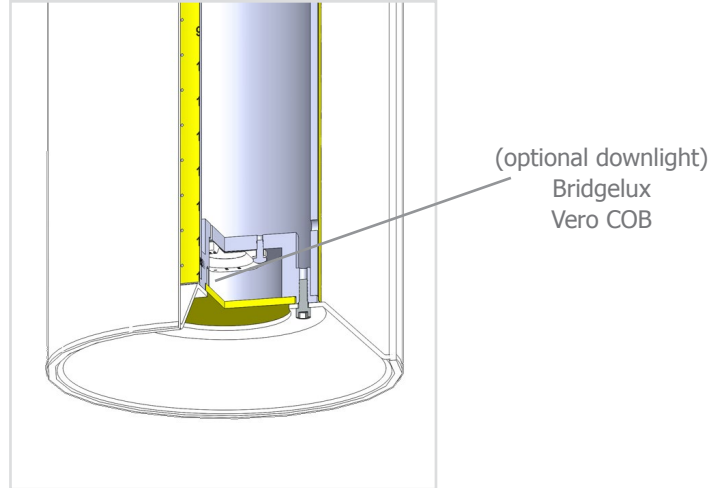
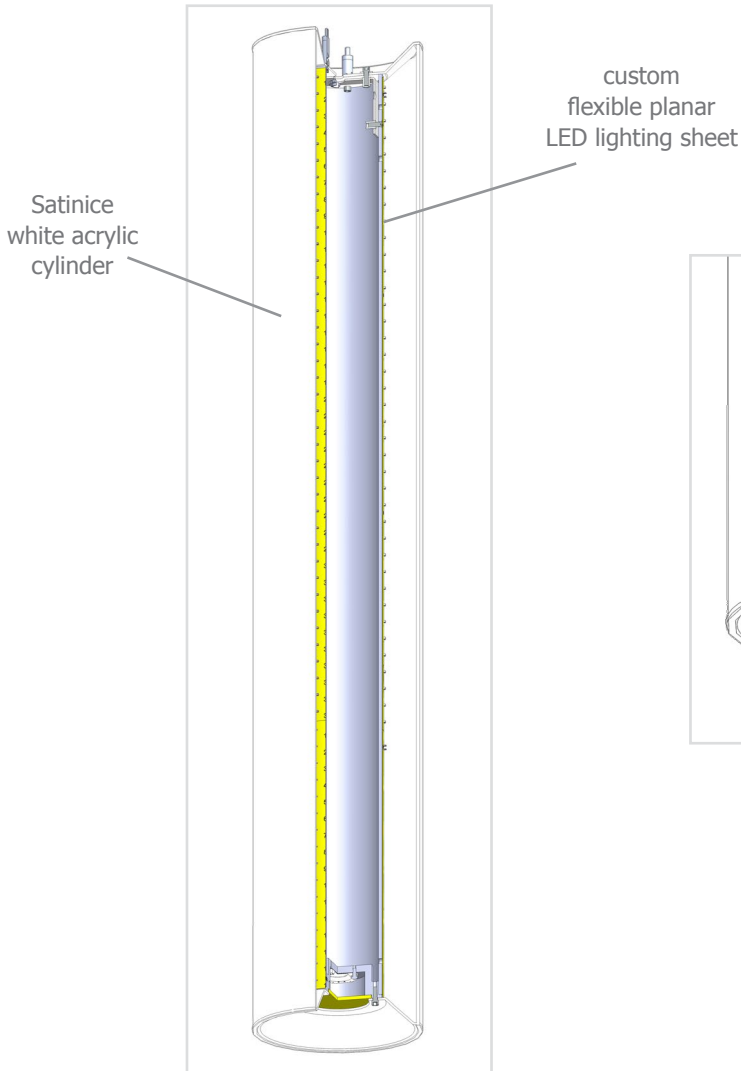
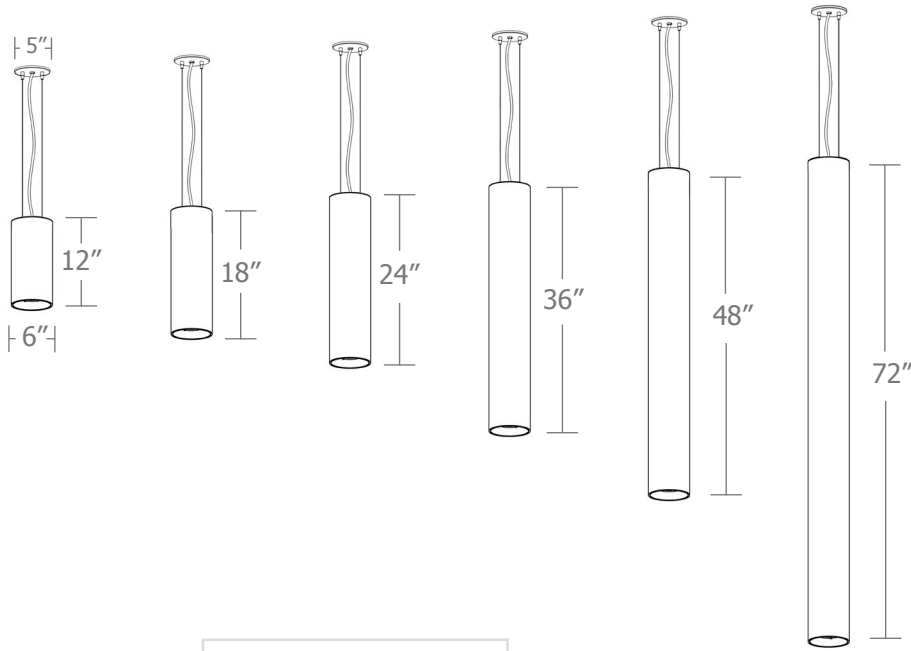
**P9472.LV (6ft)** 6"dia X 72"ht

CCT	lumens
<b>30</b> 3000K	<b>LO</b> 6405 lm
<b>35</b> 3500K	<b>HI</b> 8375 lm
<b>40</b> 4000K	<b>CL</b> xxxx lm custom lumens consult factory 4310-8375 lm

CCT	lumens
<b>30</b> 3000K	<b>NDL</b> <sup>no</sup> downlight
<b>35</b> 3500K	<b>LO</b> 1300 lm
<b>40</b> 4000K	<b>HI*</b> 1800 lm <small>*max. body lumens 8375</small>

if selected, factory wired for dual circuit dimming





## Calculation Table

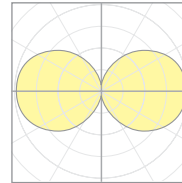
Cat No	Delivered* Lumens	Watts 120V/277V	IES File #	LLF to be applied
<b>P9412 HI</b>	1355	14	<b>19618</b>	.47
<b>P9418 LO</b>	1600	17	<b>19618</b>	.55
<b>P9418 HI</b>	2095	22	<b>19618</b>	.72
<b>P9424 LO</b>	2095	22	<b>19618</b>	.72
<b>P9424 HI</b>	2660	28	<b>19618</b>	.92
<b>P9436 LO</b>	3200	34	<b>19618</b>	1.10
<b>P9436 HI</b>	4065	43	<b>19618</b>	1.40
<b>P9448 LO</b>	4190	44	<b>20621</b>	.83
<b>P9448 HI</b>	5420	57	<b>20621</b>	1.08
<b>P9472 LO</b>	6405	67	<b>20621</b>	1.27
<b>P9472 HI</b>	8375	88	<b>20621</b>	1.67

\*delivered lumens based on 4000K, 90+ cri

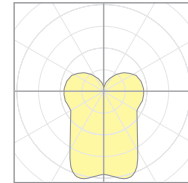
Tests are for each element separately and must be "stacked" to represent single fixture  
Consult factory for applications assistance

The application of a Light Loss Factor is required to:

- match the lumen output for the power module specified
- incorporate the increased lumen output due to LED/Driver upgrades



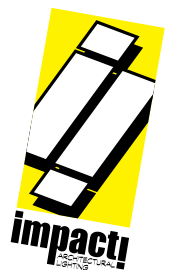
20621  
P9448-40HI



19630  
P9448-40HI-40DL

Cat No	Delivered* Lumens	Watts 120V/277V	IES File #	LLF to be applied
<b>Downlight</b>				
<b>40 LO</b>	1300	21	<b>20622</b>	.89
<b>40 HI</b>	1800	23	<b>20622</b>	1.23

\*delivered lumens based on 4000K, 90+ cri





Downlight on



Downlight off

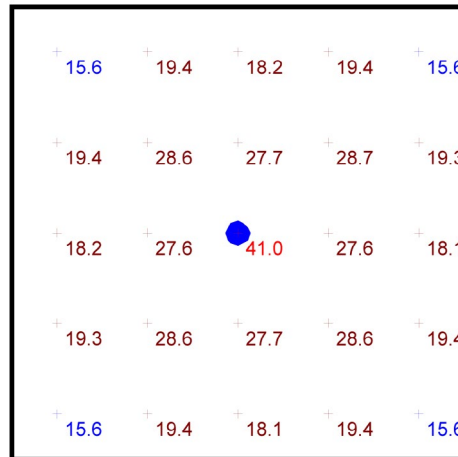


No downlight

## Typical Lighting Layout

- 10' x 10' x 14'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted using P9448 HI output unit (5420 lumens w/ 1300 lumen down light)

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
i.rod.6	+	22.2 fc	41.0 fc	15.6 fc	2.6:1	1.4:1



Plan View  
Scale - 1" = 2ft

