

# i.rod.4™ spec sheet 90CRI

**LED**

**body illumination**

flexible planar LED lighting sheet in 3000K, 3500K, or 4000K (90CRI), utilizing emitters rated at >77,000hrs L70 per TM21-11 from LM80 data. silver braid power cord standard.

**downlight (optional)**

add ribbed extrusion downlight housing (available in 2 anodized finishes or matte white powder coat paint). COB in 3000K, 3500K, or 4000K (90 CRI) rated >36,000 hours L70 (6.8K) per LM-80 test data, 71,000 hours projected life per IEM TM-21. choose from four beam spreads.

**downlight optics**

LEDiL® Angelina 82mm dia 31mm high (RoHS compliant) available in 20° spot, 30° medium, 50° wide with specular anodized finish. 90° extra wide features matte white highly reflective finish. color mixing sublens standard. standard mounting clamp allows for easy replacement of reflector in field. the typical total beam angle is the full angle measured where the luminous intensity is half of the peak volume.

**end caps**

comprised of two graduated diameter .100" thick aluminum plates. designed to center the acrylic diffuser and block light leaks. powder coat painted matte white.

**driver**

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**

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

**mounting**

5" matte white canopy. single stainless steel cable and field adjustable gripper that allows 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.

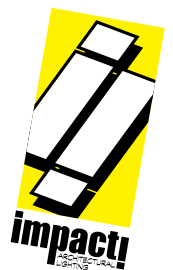
**emergency**

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



## catalog number

size	body illumination		downlight		downlight housing	options
	CCT	lumens	CCT	beam	finish	
<b>P9312.LV (1ft)</b> 4"dia X 12"ht	30 3000K	LO 995 lm	30 3000K	S 20° spot	AN silver anodized	<b>6FT</b> 72" cable
	35 3500K	HI 1400 lm	35 3500K	M 30° med	ANB anodized black	<b>12FT</b> 144" cable
	40 4000K		40 4000K	W 50° wide	MW matte white powder coat	<b>CDVR</b> surface-mounted driver canopy
			<b>NDL</b> no downlight	<b>XW</b> 90° extra wide		<b>WREM</b> wired for remote EM battery pack (by other) (see note above)
<b>P9324.LV (2ft)</b> 4"dia X 24"ht	30 3000K	LO 1400 lm	30 3000K	S 20° spot		<b>ELD</b> EldoLED*
	35 3500K	HI 2150 lm	35 3500K	M 30° med		<b>LUT</b> Lutron* *consult factory
	40 4000K	CL* xxxx lm (940lm-3200lm) custom lumens consult factory	40 4000K	W 50° wide		
			<b>NDL</b> no downlight	<b>XW</b> 90° extra wide		
<b>P9336.LV (3ft)</b> 4"dia X 36"ht	30 3000K	LO 1880 lm	30 3000K	S 20° spot		
	35 3500K	HI 3750 lm	35 3500K	M 30° med		
	40 4000K	CL* xxxx lm (1400lm-4570lm) custom lumens consult factory	40 4000K	W 50° wide		
			<b>NDL</b> no downlight	<b>XW</b> 90° extra wide		



# i.rod.4™ spec sheet 90CRI

**LED**

**body illumination**

flexible planar LED lighting sheet in 3000K, 3500K, or 4000K (90CRI), utilizing emitters rated at >77,000hrs L70 per TM21-11 from LM80 data. silver braid power cord standard.

**downlight (optional)**

add ribbed extrusion downlight housing (available in 2 anodized finishes or matte white powder coat paint). COB in 3000K, 3500K, or 4000K (90 CRI) rated >36,000 hours L70 (6.8K) per LM-80 test data, 71,000 hours projected life per IEM TM-21. choose from four beam spreads.

**downlight optics**

LEDiL® Angelina 82mm dia 31mm high (RoHS compliant) available in 20° spot, 30° medium, 50° wide with specular anodized finish. 90° extra wide features matte white highly reflective finish. color mixing sublens standard. standard mounting clamp allows for easy replacement of reflector in field. the typical total beam angle is the full angle measured where the luminous intensity is half of the peak volume.

**end caps**

comprised of two graduated diameter .100" thick aluminum plates. designed to center the acrylic diffuser and block light leaks. powder coat painted matte white.

**driver**

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**

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

**mounting**

5" matte white canopy. single stainless steel cable and field adjustable gripper that allows 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.

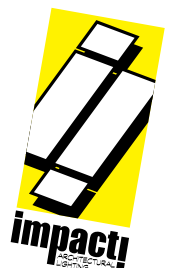
**emergency**

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



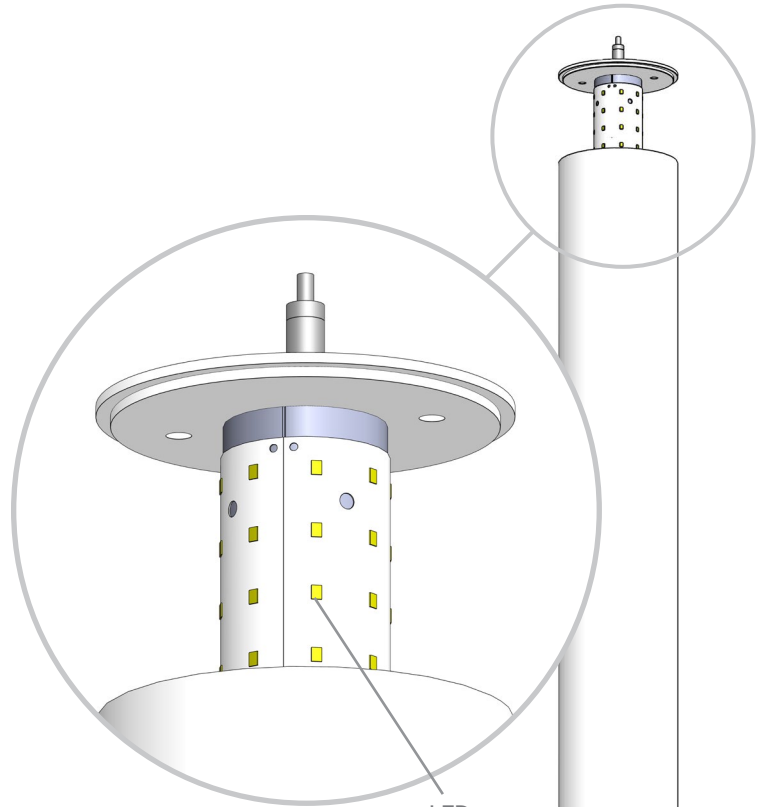
## catalog number

size	body illumination		downlight		downlight housing	options
	CCT	lumens	CCT	beam	finish	
<b>P9348.LV (4ft)</b> 4"dia X 48"ht	<b>30</b> 3000K	<b>LO</b> 2400 lm	<b>30</b> 3000K	<b>S</b> 20° spot	<b>AN</b> silver anodized	<b>6FT</b> 72" cable
	<b>35</b> 3500K	<b>HI</b> 4300 lm	<b>35</b> 3500K	<b>M</b> 30° med	<b>ANB</b> anodized black	<b>12FT</b> 144" cable
	<b>40</b> 4000K	<b>CL*</b> xxxx lm (1900lm-6450lm) custom lumens consult factory	<b>40</b> 4000K	<b>W</b> 50° wide	<b>MW</b> matte white powder coat	<b>CDVR</b> surface-mounted driver canopy
<b>P9372.LV (6ft)</b> 4"dia X 72"ht			<b>NDL</b>	<b>XW</b> 90° extra wide		<b>WREM</b> wired for remote EM battery pack (by other) (see note above)
	<b>30</b> 3000K	<b>LO</b> 3600 lm	<b>30</b> 3000K	<b>S</b> 20° spot		<b>ELD</b> EldoLED*
	<b>35</b> 3500K	<b>HI</b> 6450 lm	<b>35</b> 3500K	<b>M</b> 30° med		<b>LUT</b> Lutron* *consult factory
	<b>40</b> 4000K	<b>HX</b> 7500 lm	<b>40</b> 4000K	<b>W</b> 50° wide		
			<b>NDL</b>	<b>XW</b> 90° extra wide		
	<b>CL*</b> xxxx lm (3000lm-9100lm) custom lumens consult factory		<b>no downlight</b>			



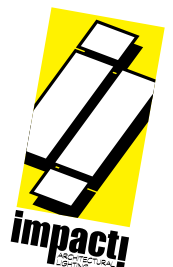
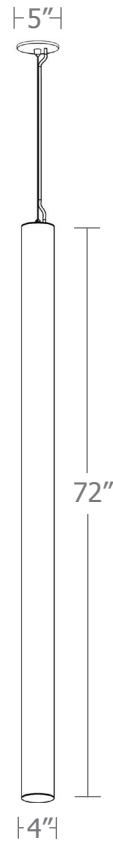
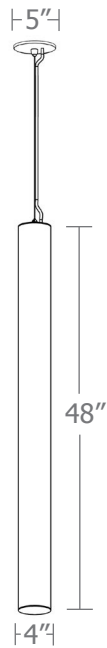
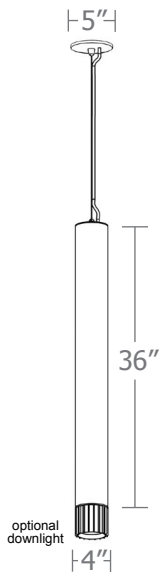
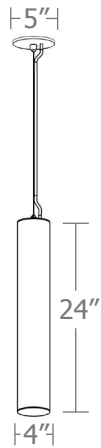
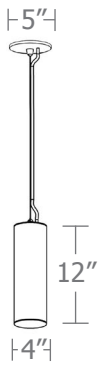


optional downlight (detail)



LED lighting sheet

diffuser

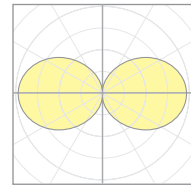


# Calculation Table

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

Cat No		Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
P9312.LV	LO	995	10	12206	.48
P9312.LV	HI	1400	15	12206	.67
P9324.LV	LO	1400	15	12206	.67
P9324.LV	HI	2150	23	12206	1.03
P9336.LV	LO	1880	20	12206	.90
P9336.LV	HI	3750	40	12206	1.80
P9348.LV	LO	2400	25	12208	.56
P9348.LV	HI	4300	45	12208	1.00
P9372.LV	LO	3600	38	12208	.84
P9372.LV	HI	6450	68	12208	1.51
P9372.LV	HX	7500	79	12208	1.75

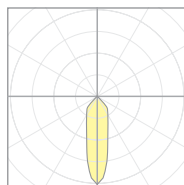


12208  
P9348-40HI

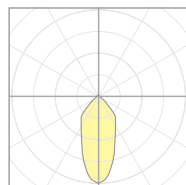
\*delivered lumens based on 4000K, 90 cri

Downlight	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
	1300	14	20921 spot	.40
			20922 med	.40
			20923 wide	.40
			20924 x-wide	.40

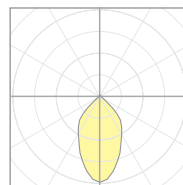
\*delivered lumens based on 4000K, 90+ cri



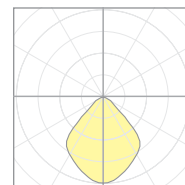
20921  
P7506-S-40H3  
S 20° spot



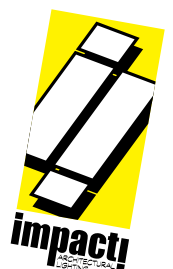
20922  
P7506-M-40H3  
M 30° med



20923  
P7506-W-40H3  
W 50° wide

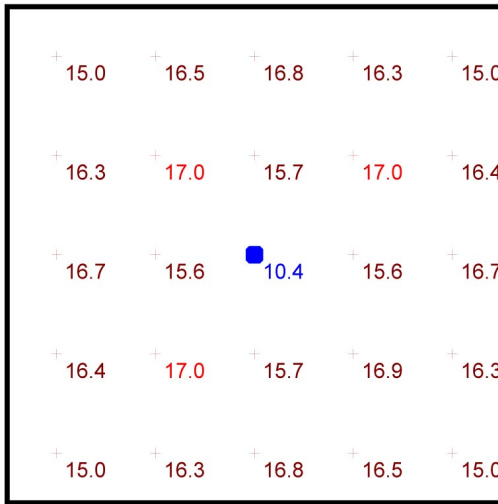


20924  
P7506-EW-40H3  
XW 90° extra wide



## Typical Lighting Layout

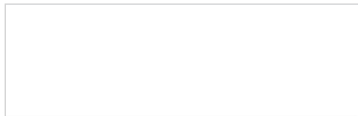
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
i.rod.4	+	16.0 fc	17.0 fc	10.4 fc	1.6:1	1.5:1



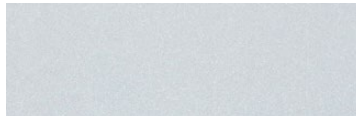
Plan View  
Scale - 1" = 2ft

- 10' x 10' x 16'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted using P9372 7500 lumens (HX) output unit

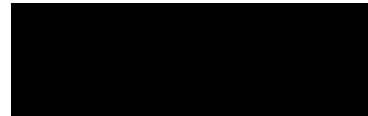
## Downlight Housing Finish



MW matte white



AN silver anodized



ANB anodized black



optional downlight (detail)

