

job name:

type:

14"/18" i.drop™ spec sheet 90CRI

**material**  
**driver canopy**  
2 pc. spun .063" aluminum canopy. matte white standard.

**optics**  
**diffuser**  
.125" gloss white virgin acrylic. reinforced top opening on 24" and 30".

**LED**  
**body illumination**  
flexible planar LED lighting sheet in 3000K, 3500K, or 4000K (90+ cri), utilizing emitters rated at >77,000hrs L70 per TM21-11 from LM80 data.  
**downlight** (optional)  
COB in 3000K, 3500K, or 4000K (90+ cri standard), with rated life of >36,000hrs L70(9K) per IES TM21-11, and >70,000hrs projected life.

**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.

**driver**  
class 2 power unit, universal input (120-277 vac), 1% minimum dimming level, PF >92, THD <20% at full load, >418khrs MTBF, protections include short circuit, over current, over voltage and over temperature. wired from factory for 0-10v dimming.

**mounting**  
designed to mount to 4 inch octagon junction box (by other). single stainless steel cable and field adjustable gripper. white power cord standard with other colors listed below. consult factory for installation instructions.

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



catalog number

size	body illumination		downlight		power cord	options
	CCT	lumens	CCT	beam	BKPC	6FT
P5314 14"dia X 14"ht	30 3000K	LO 1075 lm	30 3000K	S 20° spot	Black power cord and canopy	6ft adj. cable
	35 3500K	HI 1740 lm	35 3500K	M 30° med	SBPC	12FT 12ft adj. cable
	40 4000K		40 4000K	W 50° wide	Silver braid power cord and white canopy	ELD EldoLED*
			NDL no downlight	XW 90° extra wide	WHPC	LUT Lutron* *consult factory
					White power cord and canopy	RDVR remote driver enclosure
P5318 18"dia X 18"ht	30 3000K	LO 1305 lm	30 3000K	S 20° spot		WREM
	35 3500K	HI 2080 lm	35 3500K	M 30° med		wired for remote EM battery pack
	40 4000K		40 4000K	W 50° wide		
			NDL no downlight	XW 90° extra wide		

This product meets the guidelines for the Build America, Buy America Act.  
**Some Exclusions Apply.** For more information and full list of eligible SKUs, please contact the factory at info@impactltg.com



job name:

type:

24"/30" i.drop™ spec sheet 90CRI

**material**  
**driver canopy**  
2 pc. spun .063" aluminum canopy. matte white standard.

**optics**  
**diffuser**  
.125" gloss white virgin acrylic. reinforced top opening on 24" and 30".

**LED**  
**body illumination**  
flexible planar LED lighting sheet in 3000K, 3500K, or 4000K (90+ cri), utilizing emitters rated at >77,000hrs L<sub>70</sub> per TM21-11 from LM80 data.  
**downlight** (optional)  
COB in 3000K, 3500K, or 4000K (90+ cri standard), with rated life of >36,000hrs L<sub>70</sub>(9K) per IES TM21-11, and >70,000hrs projected life.

**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.

**driver**  
class 2 power unit, universal input (120-277 vac), 1% minimum dimming level, PF >92, THD <20% at full load, >418khrs MTBF, protections include short circuit, over current, over voltage and over temperature. wired from factory for 0-10v dimming.

**mounting**  
designed to mount to 4 inch octagon junction box (by other). single stainless steel cable and field adjustable gripper. white power cord standard with other colors listed below. consult factory for installation instructions.

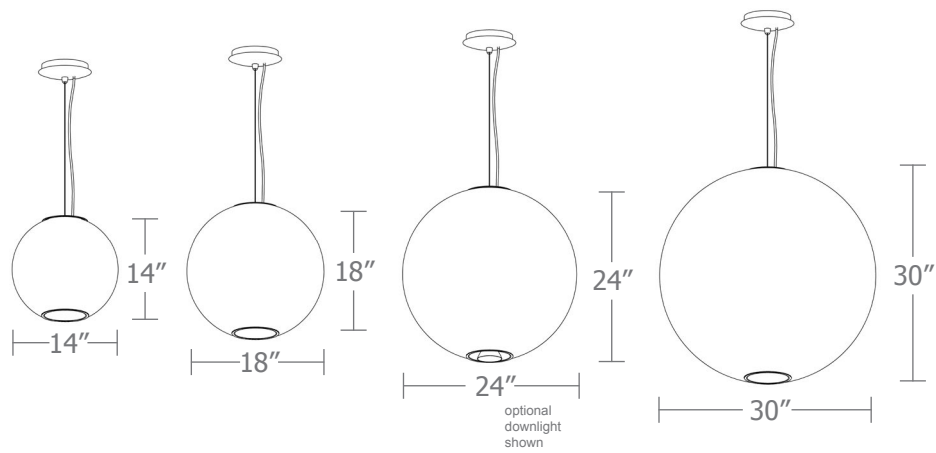
**emergency**  
recommend use of inverter (by other).  
optional WREM: wired for remote EM battery (by other).



catalog number

size		body illumination		downlight		power cord	options
		CCT	lumens	CCT	beam		
P5324		30 3000K	LO 2080 lm	30 3000K	S 20° spot	BKPC Black power cord and canopy	6FT 6ft adj. cable
P5324.BABA		35 3500K	HI 2675 lm	35 3500K	M 30° med	SBPC Silver braid power cord and white canopy	12FT 12ft adj. cable
24"dia X 24"ht		40 4000K		40 4000K	W 50° wide		ELD EldoLED*
				NDL no downlight	XW 90° extra wide	WHPC White power cord and canopy	LUT Lutron* *consult factory
P5330		30 3000K	LO 2080 lm	30 3000K	S 20° spot		RDVR remote driver enclosure
P5330.BABA		35 3500K	HI 3265 lm	35 3500K	M 30° med		WREM wired for remote EM battery pack
30"dia X 30"ht		40 4000K		40 4000K	W 50° wide		
				NDL no downlight	XW 90° extra wide		

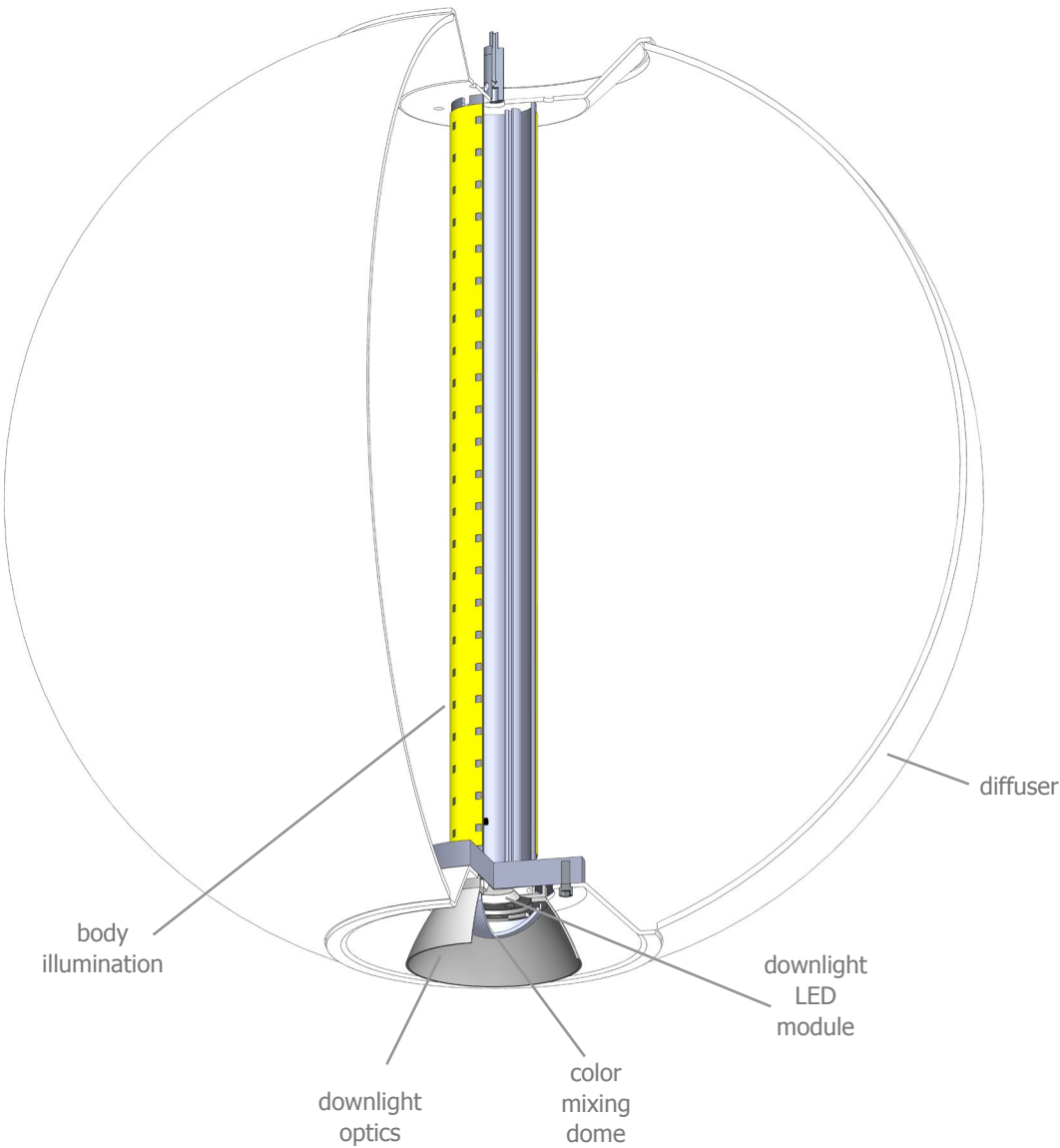
This product meets the guidelines for the Build America, Buy America Act.  
**Some Exclusions Apply.** For more information and full list of eligible SKUs, please contact the factory at info@impactltg.com



downlight




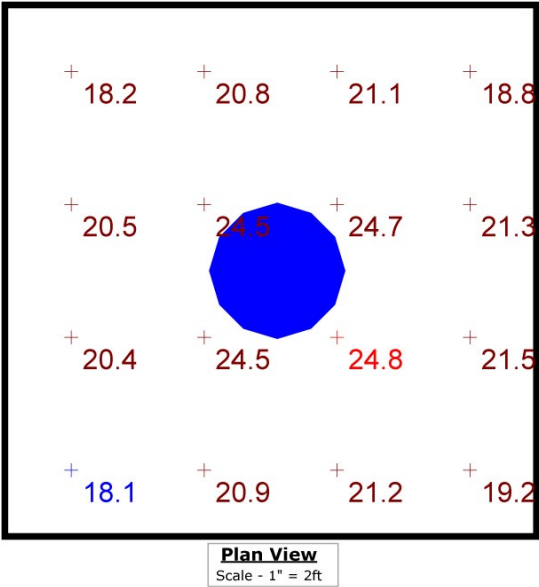
no downlight



Typical Lighting Layout

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
i.drop	+	21.3 fc	24.8 fc	18.1 fc	1.4:1	1.2:1

Schedule						
Symbol	QTY	Manufacturer	Catalog Number	Description	Lamp	Wattage
	1	Impact Architectural Lighting	P5330 40 HI 40 LO	30" dia. pendant i.drop w/ integral downlight	4000k 90cri LED	50

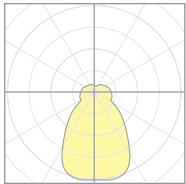


- 10' x 10' x 13'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted using P5330 with 90 CRI H3 (3265 lm) with LO lumen 90 CRI (1500 lm) integral downlight for total package providing 4765 delivered lumens

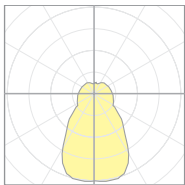
# Quick Calc Table

Tests indicated below are a combination of direct and indirect. LLF are as close as possible.

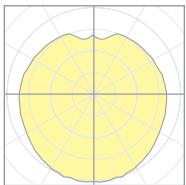
for more detailed calculations see table on next page.



19631  
P5318-40HI-40DL



19619  
P5324-40HI-40DL



19620  
P5324-40HI

Cat No	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
P5314 LO	940	10	19620 globe only	.38
P5314 HI	1400	16	19620 globe only	.62
P5318 LO	1305	11	19620 globe only	.47
P5318 HI	2080	19	19620 globe only	.74
P5324 LO	2080	19	19620 globe only	.74
P5324 HI	2675	23	19620 globe only	.96
P5330 LO	2080	19	19620 globe only	.74
P5330 HI	3265	28	19620 globe only	1.17

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

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

## Advanced Calculation Table

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

### Globe

Cat No	Delivered* Lumens	Watts 120V/277V	IES File #	LLF to be applied
<b>P5314</b>	<b>LO</b> 1075	10	<b>19620</b>	.38
<b>P5314</b>	<b>HI</b> 1740	16	<b>19620</b>	.76

<b>P5318</b>	<b>LO</b> 1305	11	<b>19620</b>	.47
<b>P5318</b>	<b>HI</b> 2080	18	<b>19620</b>	.74

<b>P5324</b>	<b>LO</b> 2080	18	<b>19620</b>	.74
<b>P5324</b>	<b>HI</b> 2675	23	<b>19620</b>	.96

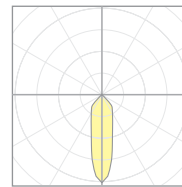
<b>P5330</b>	<b>LO</b> 2080	18	<b>19620</b>	.74
<b>P5330</b>	<b>HI</b> 3265	28	<b>19620</b>	1.17

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

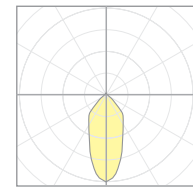
### Downlight

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

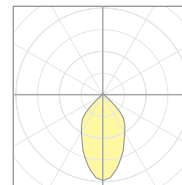
\*delivered lumens based on 4000K, 90+ cri



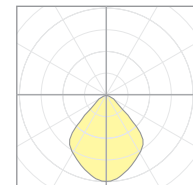
**20921**  
P7506-S-40H3  
S 20° spot



**20922**  
P7506-M-40H3  
M 30° med



**20923**  
P7506-W-40H3  
W 50° wide



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

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