

job name:   
 type:

# 16"/22" dol.up™ 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 26" and 34".

**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

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size	body illumination		downlight		power cord	options
	CCT	lumens	CCT	beam		
<b>P5216</b> 16"dia X 8"ht	30 3000K	LO 1075 lm	30 3000K	S 20° spot	<b>BKPC</b> Black power cord and canopy  <b>SBPC</b> Silver braid power cord and white canopy  <b>WHPC</b> White power cord and canopy	<b>6FT</b> 6ft adj. cable <b>12FT</b> 12ft adj. cable <b>ELD</b> EldoLED* <b>LUT</b> Lutron* <small>*consult factory</small> <b>RDVR</b> remote driver enclosure  <b>WREM</b> wired for remote EM battery pack
	35 3500K	HI 1740 lm	35 3500K	M 30° med		
	40 4000K		40 4000K	W 50° wide		
			<b>NDL</b> no downlight <b>XW</b> 90° extra wide			
<b>P5222</b> <b>P5222.BABA</b> 22"dia X 11"ht	30 3000K	LO 1305 lm	30 3000K	S 20° spot		
	35 3500K	HI 2080 lm	35 3500K	M 30° med		
	40 4000K		40 4000K	W 50° wide		
			<b>NDL</b> no downlight <b>XW</b> 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@impactitg.com



job name:   
 type:

## 26"/34" dol.up™ 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 26" and 34".

### 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).



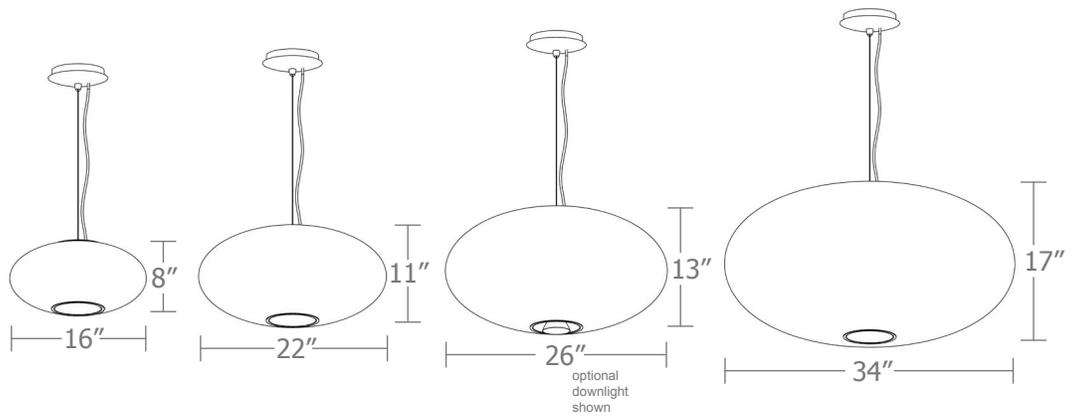
only specific sizes

## catalog number

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size	body illumination		downlight		power cord	options
	CCT	lumens	CCT	beam		
<b>P5226</b>	<b>30</b> 3000K	<b>LO</b> 2080 lm	<b>30</b> 3000K	<b>S</b> 20° spot	<b>BKPC</b> Black power cord and canopy	<b>6FT</b> 6ft adj. cable
<b>P5226.BABA</b>	<b>35</b> 3500K	<b>HI</b> 2675 lm	<b>35</b> 3500K	<b>M</b> 30° med	<b>SBPC</b> Silver braid power cord and white canopy	<b>12FT</b> 12ft adj. cable
26"dia X 13"ht	<b>40</b> 4000K		<b>40</b> 4000K	<b>W</b> 50° wide		<b>ELD</b> EldoLED*
			<b>NDL</b>	<b>XW</b> 90° extra wide	<b>WHPC</b> White power cord and canopy	<b>LUT</b> Lutron* *consult factory
			no downlight			<b>RDVR</b> remote driver enclosure
<b>P5234</b>	<b>30</b> 3000K	<b>LO</b> 2080 lm	<b>30</b> 3000K	<b>S</b> 20° spot		<b>WREM</b> wired for remote EM battery pack
<b>P5234.BABA</b>	<b>35</b> 3500K	<b>HI</b> 3265 lm	<b>35</b> 3500K	<b>M</b> 30° med		
34"dia X 17"ht	<b>40</b> 4000K		<b>40</b> 4000K	<b>W</b> 50° wide		
			<b>NDL</b>	<b>XW</b> 90° extra wide		
			no downlight			

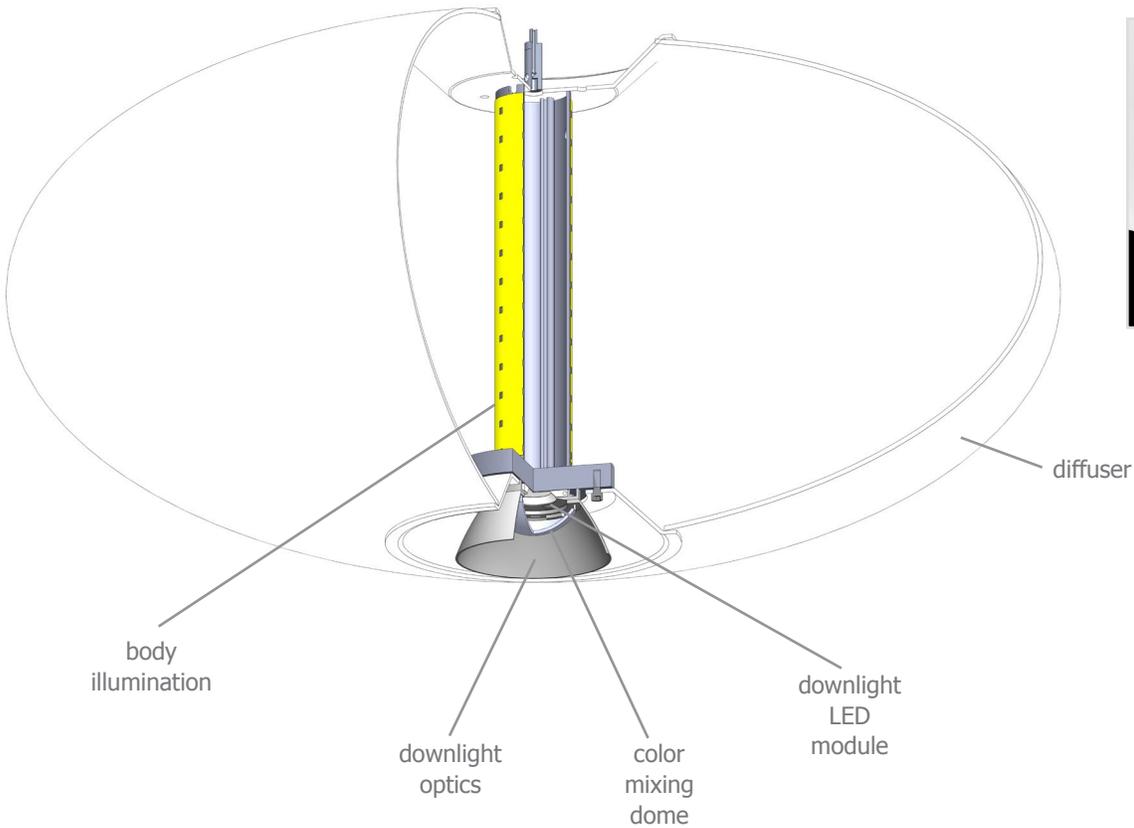
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downlight



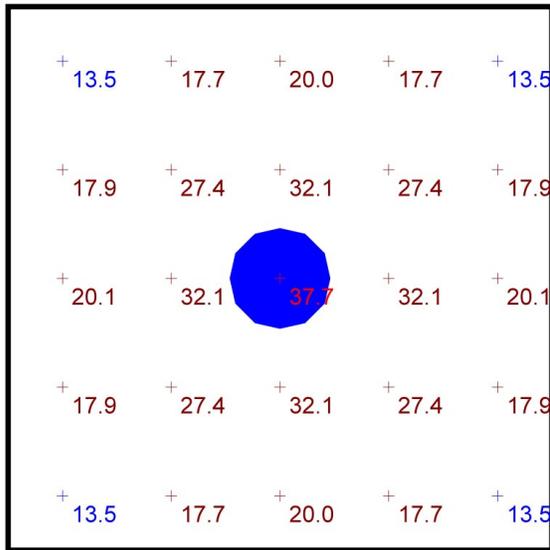
no downlight



## Typical Lighting Layout

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
dol.up	+	22.1 fc	37.7 fc	13.5 fc	2.8:1	1.6:1

Schedule						
Symbol	QTY	Manufacturer	Catalog Number	Description	Lamp	Wattage
○	1	Impact Architectural Lighting	P5226 40HI 40LO	26" dia. pendant dol.up w/ integral downlight	4000k 90cri LED	48



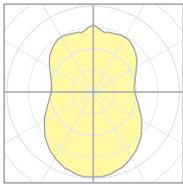
Plan View  
Scale - 1" = 2ft

- 10' x 10' x 12'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted using P5226 with 90 CRI H3 (2670 lm) with LO lumen 90 CRI (1300 lm) integral downlight for total package providing 3970 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.



19632  
P5226-40HI

Cat No	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
<b>P5216 LO</b>	1075	10	<b>20696</b> globe only	.54
<b>P5216 HI</b>	1740	16	<b>20696</b> globe only	.87
<b>P5222 LO</b>	1305	11	<b>20696</b> globe only	.65
<b>P5222 HI</b>	2080	18	<b>20696</b> globe only	1.04
<b>P5226 LO</b>	2080	18	<b>19632</b> globe only	.82
<b>P5226 HI</b>	2675	23	<b>19632</b> globe only	1.06
<b>P5234 LO</b>	2080	18	<b>19632</b> globe only	.82
<b>P5234 HI</b>	3265	28	<b>19632</b> globe only	1.29

\*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>P5216</b>	<b>LO</b> 1075	10	<b>20696</b>	.54
<b>P5216</b>	<b>HI</b> 1740	16	<b>20696</b>	.87

<b>P5222</b>	<b>LO</b> 1305	11	<b>20696</b>	.26
<b>P5222</b>	<b>HI</b> 2080	18	<b>20696</b>	.52

<b>P5226</b>	<b>LO</b> 2080	18	<b>19632</b>	.40
<b>P5226</b>	<b>HI</b> 2675	23	<b>19632</b>	.75

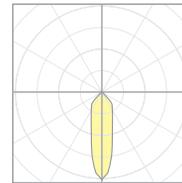
<b>P5234</b>	<b>LO</b> 2080	18	<b>19632</b>	.58
<b>P5234</b>	<b>HI</b> 3265	28	<b>19632</b>	.76

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

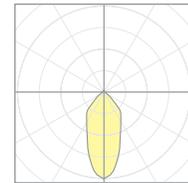
## Downlight

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

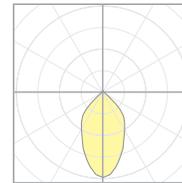
\*delivered lumens based on 4000K, 90+ cri



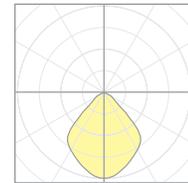
**20921**  
P7506-S-40H3  
S 20° spot



**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

