

job name:   
 type:

# i.drop™ spec sheet 90CRI

**material**  
**driver housing**  
 spun .063" aluminum trumpet. available in a variety of finishes listed below.

**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**  
 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.

**driver**  
 class 2 power unit, universal input (120-277 vac), 10% 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 under options. consult factory for installation instructions.

**emergency**  
 emergency not available. if required, recommend use of inverter (by other).

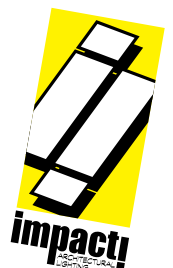


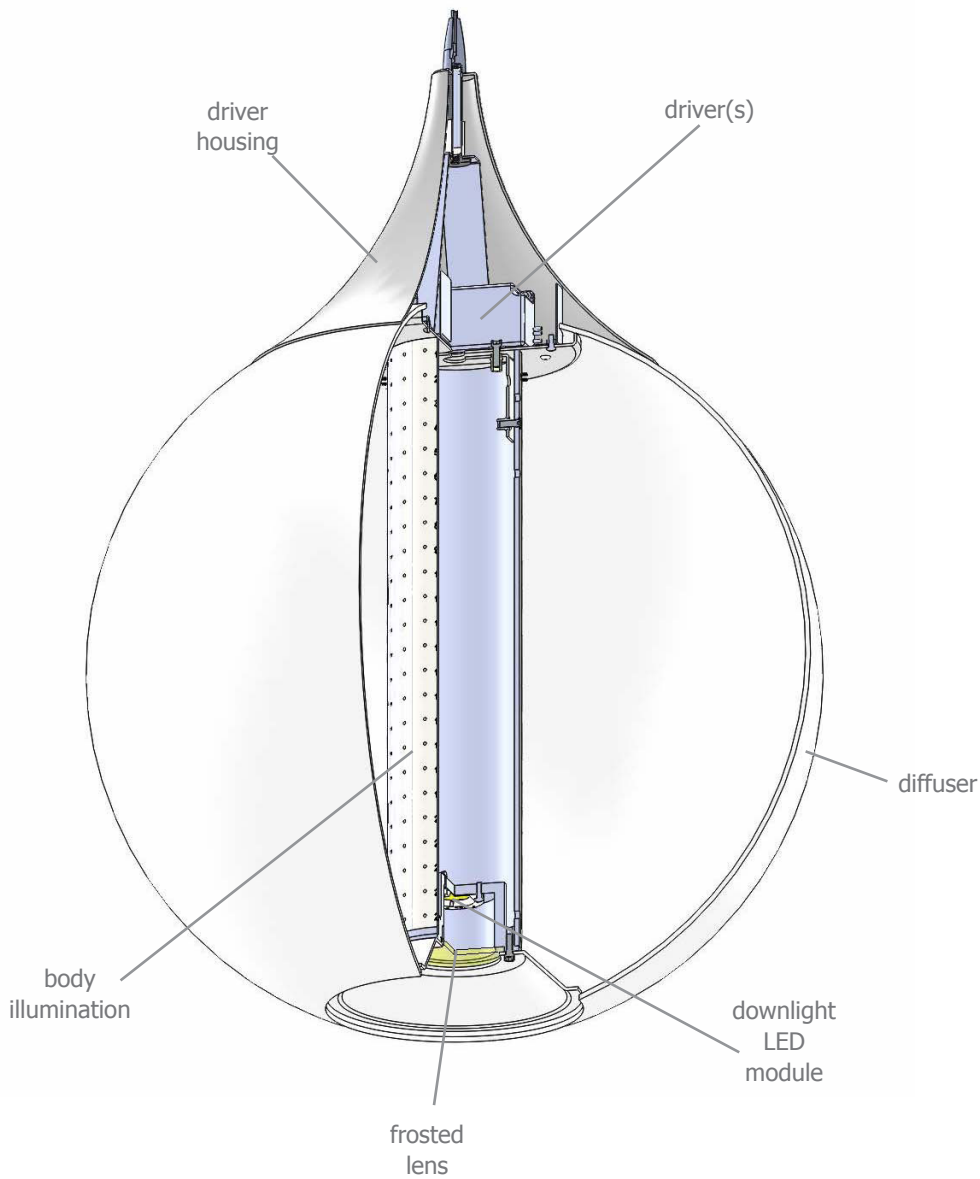
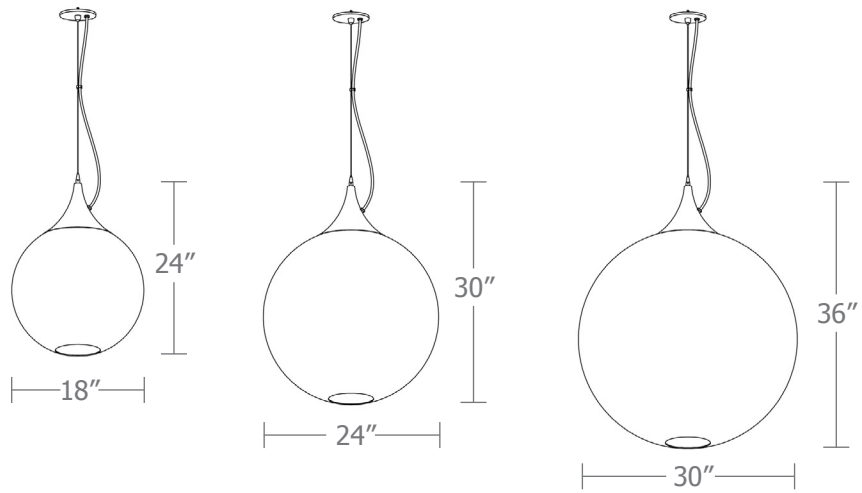
## catalog number

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	size	body illumination		downlight		painted finish	power cord	options
		CCT	lumens	CCT	lumens			
<b>P5318</b>	18"dia X 24"ht	<b>30</b> 3000K	<b>LO</b> 1305 lm	<b>30</b> 3000K	<b>NDL</b> no downlight	<b>AP</b> anodized paint	<b>BKPC</b> Black power cord and canopy	<b>6FT</b> 72" cables <b>12FT</b> 12ft adj suspension
		<b>35</b> 3500K	<b>HI</b> 2080 lm	<b>35</b> 3500K	<b>LO</b> 1300 lm	<b>BS</b> brass		
		<b>40</b> 4000K		<b>40</b> 4000K		<b>BU</b> blue		
<b>P5324</b>	24"dia X 30"ht	<b>30</b> 3000K	<b>LO</b> 2080 lm	<b>30</b> 3000K	<b>NDL</b> no downlight	<b>BZ</b> bronze	<b>SBPC</b> Silver braid power cord and white canopy	<b>ELD</b> EldoLED* <b>LUT</b> Lutron* <small>*consult factory</small>
		<b>35</b> 3500K	<b>HI</b> 2675 lm	<b>35</b> 3500K	<b>LO</b> 1300 lm	<b>CP</b> champagne		
		<b>40</b> 4000K		<b>40</b> 4000K		<b>FB</b> flat black		
<b>P5330</b>	30"dia X 36"ht	<b>30</b> 3000K	<b>LO</b> 2080 lm	<b>30</b> 3000K	<b>NDL</b> no downlight	<b>GM</b> gun metal	<b>WHPC</b> White power cord and canopy	
		<b>35</b> 3500K	<b>HI</b> 3265 lm	<b>35</b> 3500K	<b>LO</b> 1300 lm	<b>MB</b> military blue		
		<b>40</b> 4000K		<b>40</b> 4000K		<b>MW</b> matte white		
						<b>OR</b> orange		
						<b>RD</b> red		
						<b>SB</b> satin black		
						<b>SS</b> satin silver		
						<b>TG</b> textured gray		
						<b>YO</b> yellow		

**premium finish**  
 RAL specify RAL#

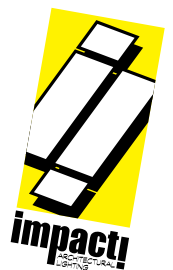




downlight



no downlight




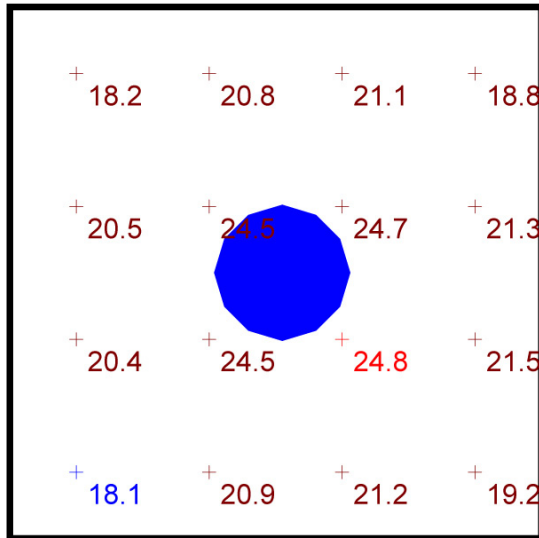
## Typical Lighting Layout

### 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

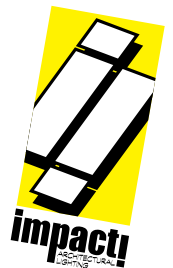
### Schedule

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



**Plan View**  
Scale - 1" = 2ft

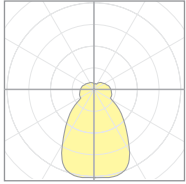
- 10' x 10' x 13'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted using P5330 with 90 CRI H3 (3265 lm) with LO lumen 90 CRI (1500 lm) integral downlight for total package providing 4765 delivered lumens



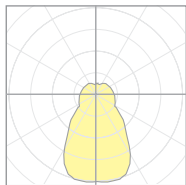
# Quick Calc Table

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

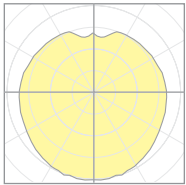
for more detailed calculations see table on next page.



**19631**  
P5318-40HI



**19619**  
P5324-40LHI-40DL



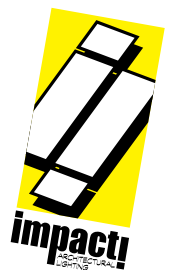
**19620**  
P5324-40HI

Cat No	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
<b>P5318 LO</b>	1305	11	<b>19620</b> globe only	.47
	2605	29	<b>20154</b> with DL	.83
<b>P5318 HI</b>	2080	18	<b>19620</b> globe only	.74
	3380	36	<b>20154</b> with DL	1.08
<b>P5324 LO</b>	2080	18	<b>19620</b> globe only	.74
	3380	36	<b>19619</b> with DL	.83
<b>P5324 HI</b>	2675	23	<b>19620</b> globe only	.96
	3975	41	<b>19619</b> with DL	.97
<b>P5330 LO</b>	2080	18	<b>19620</b> globe only	.74
	3380	36	<b>19619</b> with DL	.83
<b>P5330 HI</b>	3265	28	<b>19620</b> globe only	1.17
	4565	46	<b>19619</b> with DL	1.12

\*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>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

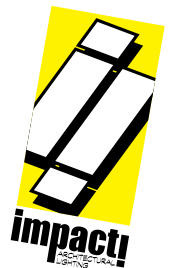
Delivered* Lumens	Watts 120V/277V	IES File #	LLF to be applied
<b>LO</b> 1300	18	<b>20697</b>	.84

<b>LO</b> 1300	18	<b>20697</b>	.84

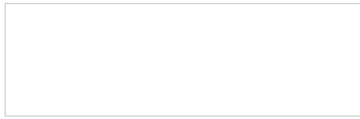
<b>LO</b> 1300	18	<b>20697</b>	.84

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



## Powder Coat Paint Finishes



**MW** matte white



**AP** anodized paint



**SS** satin silver



**TG** textured gray



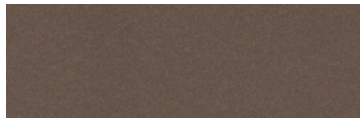
**FB** flat black



**SB** satin black



**CP** champagne



**BZ** bronze



**GM** gun metal



**OR** orange 2011



**BU** blue 5017



**BS** brass



**RD** red 3020



**YO** yellow 1018



**MB** military blue

For accurate color verification, actual finish samples are available upon request.

## Premium Finishes\*



**RAL#**

\*Available on select series. Consult product submittal for availability.

