

job name:   
 type:

**na.row™ ceiling spec sheet 90CRI**

**material**  
 3.5" smooth extruded aluminum outer housing in four lengths available in 15 standard powder coat paint finishes listed below.

**LED**  
 COB in 2700K, 3000K, 3500K, or 4000K 90+ cri standard rated >36,000 hours L70 (6.8K) per LM-80 test data.

**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**  
 integral,\* constant current, class P, class 2 power unit, class A sound rating, universal input (120-277V) programmable driver, 5% minimum dimming level, PF >0.90. protections include short circuit, input/output isolation and surge protection (3KV). wired for 0-10v dimming from factory. \*H3 lumen package in C7606 requires min. 2-1/8" deep j-box.

**finish**  
 select from 15 standard powder coat paint finishes listed below or specify RAL# for custom colors.

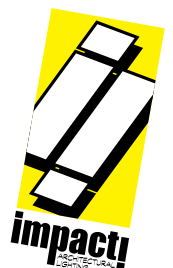
**emergency**  
 if required, recommend use of inverter (by other).

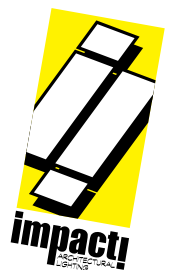
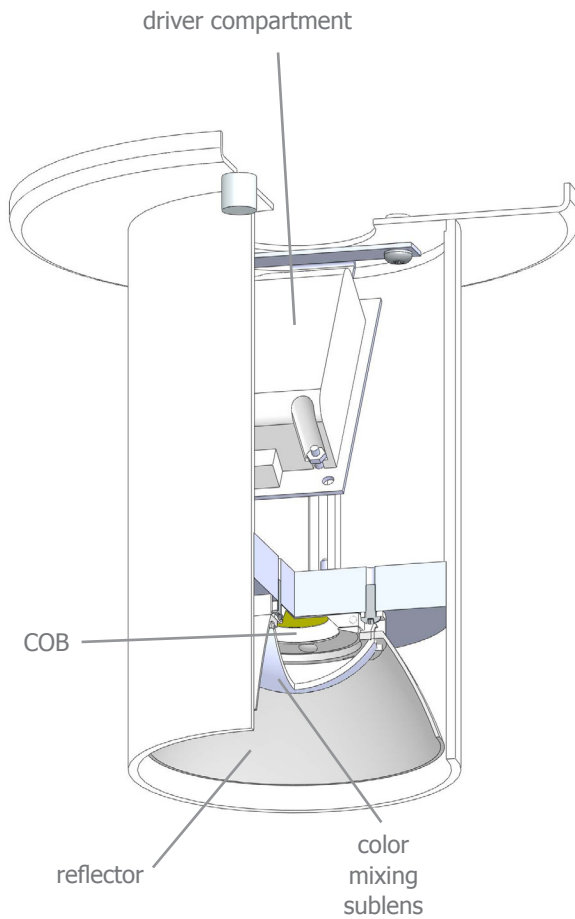
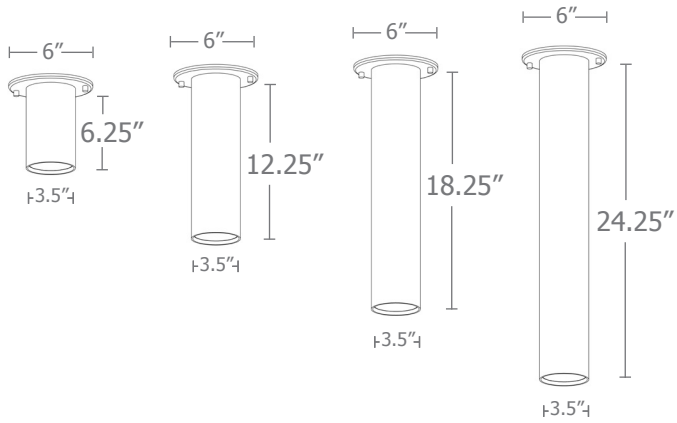


**catalog number**

size	beam	CCT	lumens	painting finish
<b>C7606</b> 3.5" dia X 6.25" ht	<b>S</b> 20° spot <b>M</b> 30° med <b>W</b> 50° wide	<b>27</b> 2700K <b>30</b> 3000K	<b>L1</b> 395 lm <b>L2</b> 695 lm <b>L3</b> 995 lm	<b>AP</b> anodized paint <b>BS</b> brass <b>BU</b> blue <b>BZ</b> bronze <b>CP</b> champagne <b>FB</b> flat black <b>GM</b> gun metal <b>MB</b> military blue <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
<b>C7612</b> 3.5" dia X 12.25" ht	<b>XW</b> 90° extra wide	<b>35</b> 3500K <b>40</b> 4000K	<b>H1</b> 1390 lm <b>H2</b> 1985 lm <b>H3*</b> 2780 lm <small>*H3 lumen package in C7606 requires min. 2-1/8" deep j-box.</small>	
<b>C7618</b> 3.5" dia X 18.25" ht				
<b>C7624</b> 3.5" dia X 24.25" ht				

**premium finish**  
 RAL specify RAL#




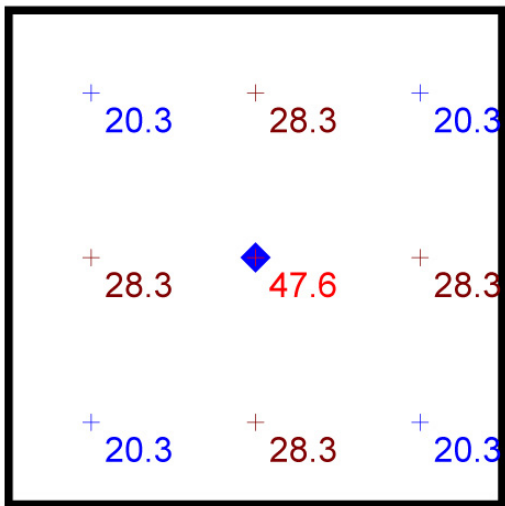


Typical Lighting Layout



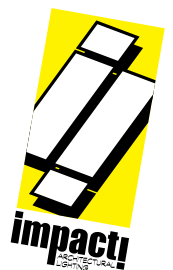
- 6' x 6' x 9'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted using C7612 with 90 CRI H1 (1390 lm) with wide dist. package

Schedule						
Symbol	Quantity	Manufacturer	Catalog Number	Description	Lamp	Wattage
	1	Impact Architectural Lighting	C7612 W 40 H1	12" length na.row ceiling mount downlight cylinder	4000k 90cri LED	21



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

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
na.row.ceiling	+	26.9 fc	47.6 fc	20.3 fc	2.3:1	1.3:1

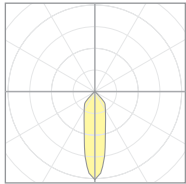


# Calculation Table

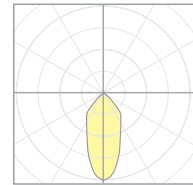
Consult factory for applications assistance

Cat No	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
<b>L1</b>	395	4	<b>20921</b> spot	.12
			<b>20922</b> med	.12
			<b>20923</b> wide	.12
			<b>20924</b> x-wide	.12
<b>L2</b>	695	7	<b>20921</b> spot	.22
			<b>20922</b> med	.22
			<b>20923</b> wide	.22
			<b>20924</b> x-wide	.22
<b>L3</b>	995	10	<b>20921</b> spot	.31
			<b>20922</b> med	.31
			<b>20923</b> wide	.31
			<b>20924</b> x-wide	.31
<b>H1</b>	1390	14	<b>20921</b> spot	.43
			<b>20922</b> med	.43
			<b>20923</b> wide	.43
			<b>20924</b> x-wide	.43
<b>H2</b>	1985	21	<b>20921</b> spot	.62
			<b>20922</b> med	.62
			<b>20923</b> wide	.62
			<b>20924</b> x-wide	.62
<b>H3</b>	2780	28	<b>20921</b> spot	.86
			<b>20922</b> med	.88
			<b>20923</b> wide	.88
			<b>20924</b> x-wide	.88

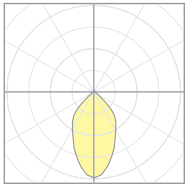
\*delivered lumens based on 4000K, 90+ cri



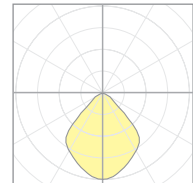
**20921**  
P7506-S-40H3  
**S** 20° spot



**20922**  
P7506-M-40H3  
**M** 30° med



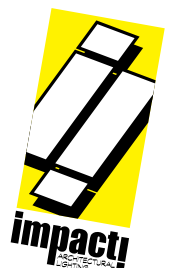
**20923**  
P7506-W-40H3  
**W** 50° wide



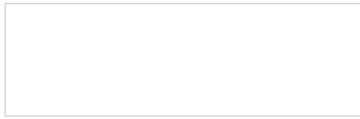
**20924**  
P7506-EW-40H3  
**XW** 90° extra wide

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



## Powder Coat Paint Finishes



**MW** matte white



**AP** anodized paint



**SS** satin silver



**TG** textured gray



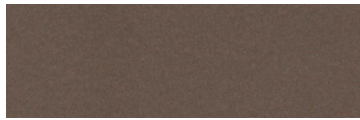
**FB** flat black



**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.

