

job name: type: 

## 3.5"/6" na.row™ ceiling spec sheet 90cri

### material

3.5" dia smooth extruded aluminum outer housing in five lengths, available in 15 standard powder coat paint finishes listed below. premium RAL and wood finishes also available. satin black canopy standard on wood finishes.

### 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

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. 6"dia canopy painted to match fixture. satin black canopy standard on wood finishes.

### mounting

#### standard

driver in junction box (requires 2-1/8" deep electrical box). for other sizes, driver in top of fixture. see note for H3 lumen package on 6" ht. 6"dia canopy painted to match fixture. satin black canopy standard on wood finishes.

### remote enclosure (.LV) (optional)

the standard driver can be remote mounted up to 33ft from the LED. for distances greater than 33ft consult factory. for Chicago Plenum installation consult factory.

### finish

select from 15 standard powder coat paint finishes or 3 wood finishes (listed below) or specify RAL# for custom colors. satin black canopy standard on wood finishes.

### emergency

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



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only specific sizes

## catalog number

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### size

**C7603** driver in j-box  
**C7603.LV** remote enclosure  
3.5"dia X 3.75"ht

### beam

<b>S</b>	20° spot	<b>27</b>	2700K
<b>M</b>	30° med	<b>30</b>	3000K
<b>W</b>	50° wide	<b>35</b>	3500K
<b>XW</b>	90° extra wide	<b>40</b>	4000K

### CCT

<b>27</b>	2700K
<b>30</b>	3000K
<b>35</b>	3500K
<b>40</b>	4000K

### lumens

<b>L1</b>	395 lm
<b>L2</b>	695 lm
<b>L3</b>	995 lm
<b>H1</b>	1390 lm

### Painted finish

<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

**C7606** driver in fixture  
**C7606.LV** remote enclosure  
3.5"dia X 6.25"ht

<b>S</b>	20° spot	<b>27</b>	2700K
<b>M</b>	30° med	<b>30</b>	3000K
<b>W</b>	50° wide	<b>35</b>	3500K
<b>XW</b>	90° extra wide	<b>40</b>	4000K

**L1** 395 lm

**L2** 695 lm

**L3** 995 lm

**H1** 1390 lm

**H2** 1985 lm

**H3\*** 2780 lm

\*H3 lumen package in C7606 requires min. 2-1/8" deep j-box.

### Premium finish

**RAL** specify RAL#

### Wood finish

**ASH** ashwood

**ENG** english brown oak

**ESP** espresso

satin black canopy standard on wood finishes



.LV

remote enclosure

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

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specifications  
subject  
to change



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job name:

type:

## 12"/18"/24" na.row™ ceiling spec sheet 90CRI

### material

3.5" dia smooth extruded aluminum outer housing in five lengths, available in 15 standard powder coat paint finishes listed below. premium RAL and wood finishes also available. satin black canopy standard on wood finishes.

### 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. 6"dia canopy painted to match fixture. satin black canopy standard on wood finishes.

### mounting

#### standard

driver in junction box (requires 2-1/8" deep electrical box). for other sizes, driver in top of fixture. see note for H3 lumen package on 6" ht. 6"dia canopy painted to match fixture. satin black canopy standard on wood finishes.

### remote enclosure (.LV) (optional)

the standard driver can be remote mounted up to 33ft from the LED. suspension length should be considered in distance. remote enclosure supplied. for distances greater than 33ft consult factory. for Chicago Plenum installation consult factory.

### finish

select from 15 standard powder coat paint finishes or 3 wood finishes (listed below) or specify RAL# for custom colors. satin black canopy standard on wood finishes.

### emergency

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



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## catalog number

### size

**C7612** driver in fixture  
3.5"dia X 12.25"ht

**C7618** driver in fixture  
3.5"dia X 18.25"ht

**C7624** driver in fixture  
**C7624.BABA** driver in fixture  
3.5"dia X 24.25"ht

### beam

**S** 20° spot  
**M** 30° med  
**W** 50° wide  
**XW** 90° extra wide

### CCT

**27** 2700K  
**30** 3000K  
**35** 3500K  
**40** 4000K

### lumens

**L1** 395 lm  
**L2** 695 lm  
**L3** 995 lm  
**H1** 1390 lm  
**H2** 1985 lm  
**H3\*** 2780 lm

\*H3 lumen package in C7506 requires min. 2-1/8" deep j-box.

### Painted finish

**AP** anodized paint  
**BS** brass  
**BU** blue  
**BZ** bronze  
**CP** champagne  
**FB** flat black  
**GM** gun metal  
**MB** military blue  
**MW** matte white  
**OR** orange  
**RD** red  
**SB** satin black  
**SS** satin silver  
**TG** textured gray  
**YO** yellow

### Premium finish

**RAL** specify RAL#

### Wood finish

**ASH** ashwood  
**ENG** english brown oak  
**ESP** espresso  
satin black canopy standard on wood finishes



remote enclosure

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

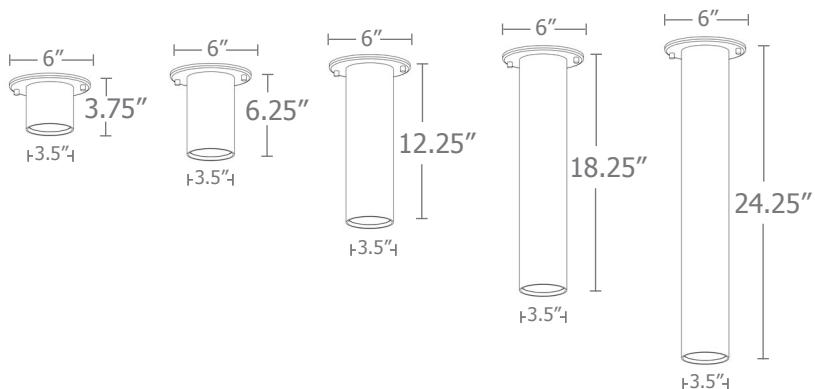
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specifications  
subject  
to change

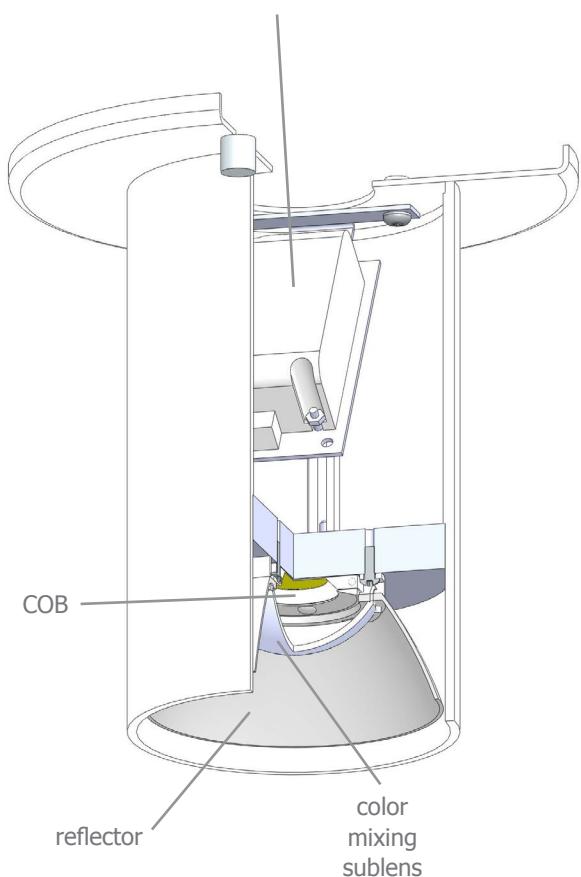
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driver compartment



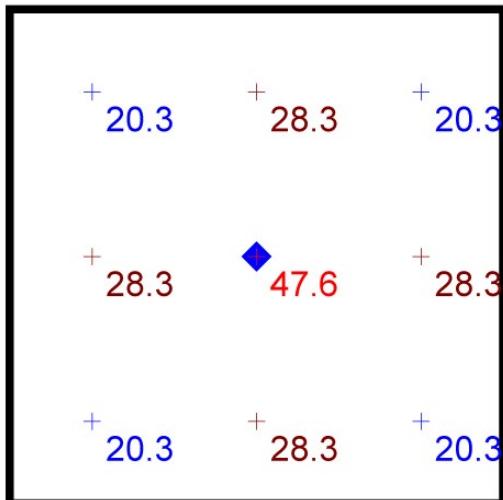
## Typical Lighting Layout



- 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

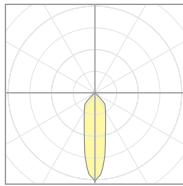
**impactltg**

# Calculation Table

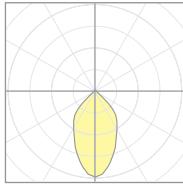
Consult factory for applications assistance

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

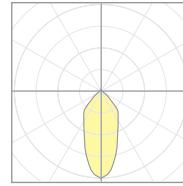
\*delivered lumens based on 4000K, 90+ cri



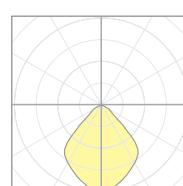
**20921**  
P7506-S-40H3  
S 20° spot



**20923**  
P7506-W-40H3  
W 50° wide



**20922**  
P7506-M-40H3  
M 30° med



**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



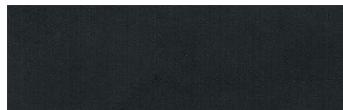
AP anodized paint



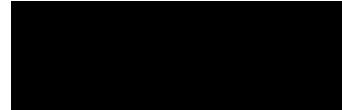
SS satin silver



TG textured gray



FB flat black



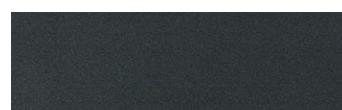
SB satin black



CP champagne



BZ bronze



GM gun metal



OR orange 2011



BU blue 5017



BS brass



RD red 3020



YO yellow 1018



MB military blue

## Premium Finishes\*

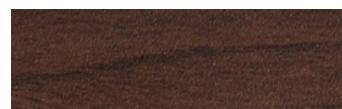
### Wood Finishes



ASH ashwood



ENG english brown oak



ESP espresso

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



RAL#

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

**impacttg** 