

str8.up™ spec sheet 90CRI direct/indirect

material
 4" ribbed extruded aluminum outer housing in two lengths available in 2 anodized and 12 standard powder coat paint finishes listed below.

LED
 COBs in 2700K, 3000K, 3500K, or 4000K (90+ cri standard) rated >36,000 hours L70 (6.8K) per LM-80 test data, and 71,000 hours projected life per IES TM-21.

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.

uplight diffuser
 .118" thick laser cut optimum light diffusion acrylic. 72% light transmission with matte surface providing light scattering glare reduction. Colorless diffusion significantly reducing color shift of the LED's.

drivers
 constant current, class P, class 2 power units, 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.

mounting standard
 driver in matching extruded aluminum canopy painted to match fixture. ultrathin vertical stainless steel cables and field adjustable grippers that allow for exact AFF mounting heights. silver braid power cord standard.

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 2 anodized and 12 standard powder coat paint finishes listed below or specify RAL# for custom colors.

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



catalog number

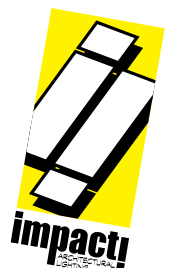
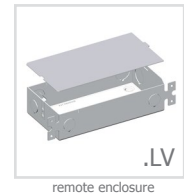
direct

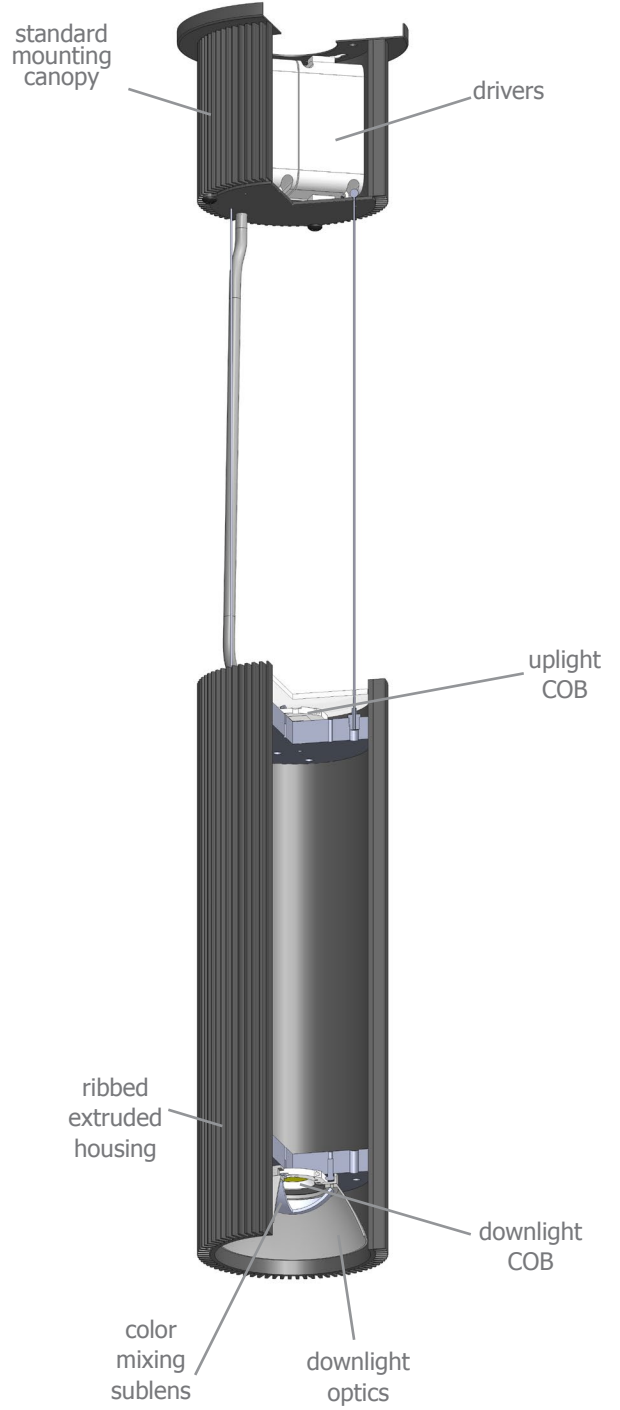
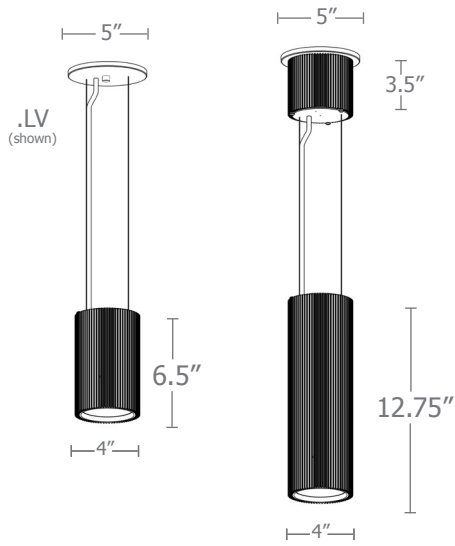
indirect

size	downlight beam spread	CCT	downlight lumens	uplight lumens	anodized finishes	options
P7506.up		27 2700K	L1 395 lm	L1 340 lm	AN silver anodized	3FT 36" cables
P7506.up.LV <small>remote enclosure 4" dia X 6.5" ht</small>	S 20° spot	30 3000K	L2 695 lm	L2 590 lm	ANB anodized black	6FT 72" cables
	M 30° med	35 3500K	L3 995 lm	L3 845 lm	BS brass	
	W 50° wide	40 4000K	H1 1390 lm	H1 N/A	BU blue	
	XW 90° extra wide		H2 1985 lm		BZ bronze	
					CP champagne	
					GM gun metal	
					MB military blue	
					MW matte white	
					OR orange	
					RD red	
					SS satin silver	
					TG textured gray	
					YO yellow	
					premium finish	
					RAL specify RAL#	

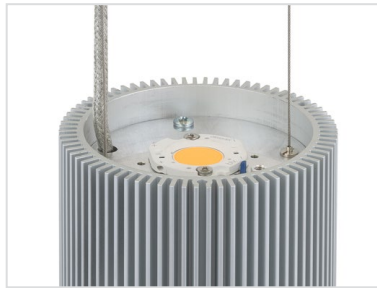
P7512.up

P7512.up.LV
remote enclosure
4" dia X 12.75" ht

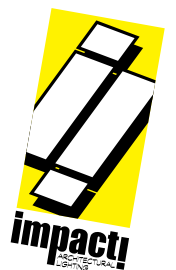
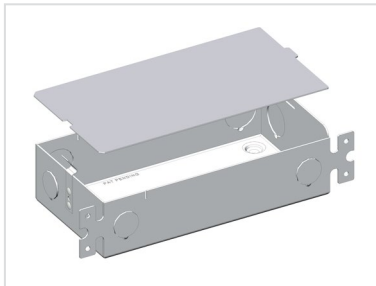




uplight
diffuser
standard

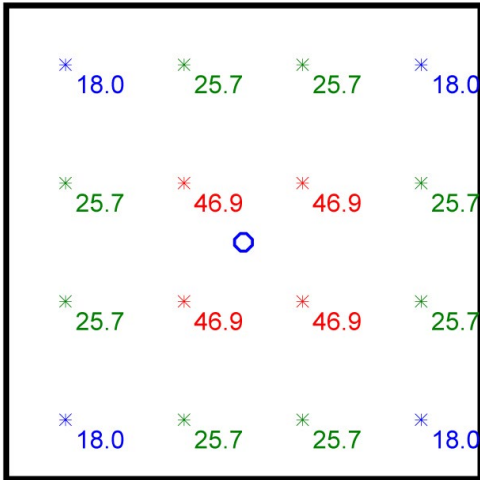


color mixing
sublens



Quick Calc Typical Lighting Layout

- 8' x 8' x 10'H space
- 80/50/20 reflectances
- bottom of fixture at 8' aff
- FC readings at 2.5' aff
- layout conducted with P7506.up lumen 90 CRI downlight and L3 845 lumen uplight



Plan View
Scale - 1" = 2ft

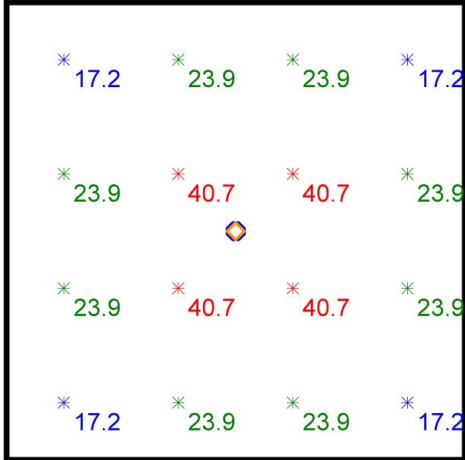
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
str8.up	+	29.1 fc	46.9 fc	18.0 fc	2.6:1	1.6:1

Schedule						
Symbol	QTY	Manufacturer	Catalog Number	Description	Lamp	Wattage
○	1	Impact Architectural Lighting	P7506.up M 40 H2 L3	4" dia.x 6.5"h str8.up luminaire	4000k 90CRI LED	30

Advanced Calculation Typical Lighting Layout

uses separate files to give designer ultimate flexibility and accuracy

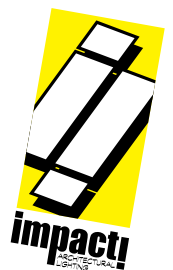
- 8' x 8' x 12'H space
- 80/50/20 reflectances
- bottom of fixture at 9' aff
- FC readings at 2.5' aff
- layout conducted using P7506.up with H2 1985 lumen 90 CRI downlight package and L3 845 lumen uplight



Plan View
Scale - 1" = 2ft

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
str8.up	+	26.4 fc	40.7 fc	17.2 fc	2.4:1	1.5:1

Schedule						
Symbol	QTY	Manufacturer	Catalog Number	Description	Lamp	Wattage
○	1	Impact Architectural Lighting	P7506 W 40 H2 xx down only	4" dia.x 6.5"h str8.up luminaire DOWNLIGHT ONLY	4000k 90CRI LED	21
○	1	Impact Architectural Lighting	P7506 x 40xx L3 uplight only	UPLIGHT ONLY	4000k 90CRI LED	10



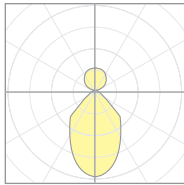
Quick Calc Table

Tests indicated below are a combination of direct and indirect. LLFs are as close as possible. Downlight is given priority.

for more detailed calculations see table on next page.

Cat No	Direct Delivered* Lumens	Indirect Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
P7506 L1 L1	395	340	8	12201	.16
P7506 L2 L2	695	590	14	12201	.28
P7506 L3 L3	995	845	20	12201	.40
P7506 H1 L3	1390	845	24	12201	.56
P7506 H2 L3	1985	845	30	12201	.79
P7512 L1 L1	395	340	8	12203	.11
P7512 L2 L2	695	590	14	12203	.20
P7512 L3 L3	995	845	20	12203	.29
P7512 H1 H1	1390	1185	28	12203	.40
P7512 H2 H1	1985	1185	34	12203	.57
P7512 H3 H1	2780	1185	43	12203	.80

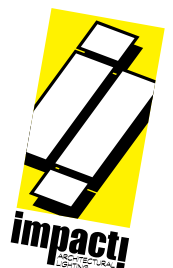
*delivered lumens based on 4000K, 90+ cri



12201
P7606-40HX-UP/DN

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

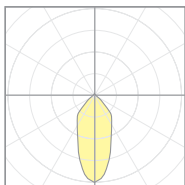
Tests are for each element separately and must be "stacked" to represent single fixture
Consult factory for applications assistance

Direct

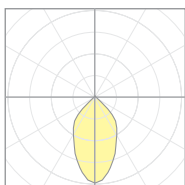
Indirect

Cat No	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied	Delivered* Lumens	Watts 120V / 277V	IES File #	LLF to be applied
L1	395	4	20921 spot	.12	340	4	12202	.24
			20922 med	.12				
			20923 wide	.12				
			20924 x-wide	.12				
L2	695	7	20921 spot	.22	590	7	12202	.42
			20922 med	.22				
			20923 wide	.22				
			20924 x-wide	.22				
L3	995	10	20921 spot	.31	845	10	12202	.60
			20922 med	.31				
			20923 wide	.31				
			20924 x-wide	.31				
H1	1390	14	20921 spot	.43	1185	14	12202	.84
			20922 med	.43				
			20923 wide	.43				
			20924 x-wide	.43				
H2	1985	21	20921 spot	.62				
			20922 med	.62				
			20923 wide	.62				
			20924 x-wide	.62				
H3	2780	28	20921 spot	.86				
			20922 med	.86				
			20923 wide	.86				
			20924 x-wide	.86				

*delivered lumens based on 4000K, 90+ cri



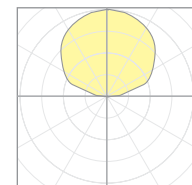
20922
P7506-M-40H3
M 30° med



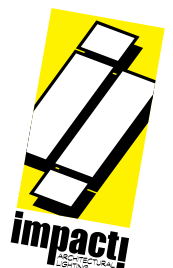
20923
P7506-W-40H3
W 50° wide

The application of a Light Loss Factor is required to:

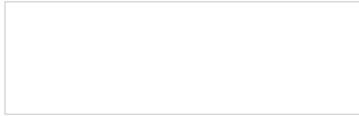
- match the lumen output for the power module specified
- incorporate the increased lumen output due to LED/Driver upgrades



12202
P7606-XXXX-UP



Powder Coat Paint Finishes



MW matte white



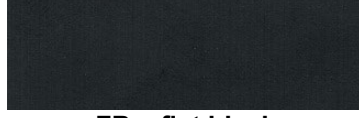
AP anodized paint
AN silver anodized



SS satin silver



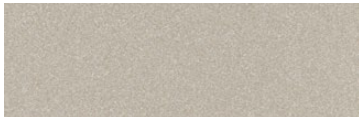
TG textured gray



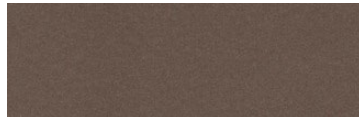
FB flat black



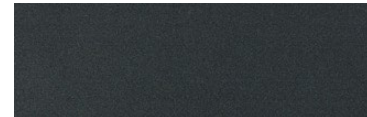
SB satin black
ANB anodized black



CP champagne



BZ bronze



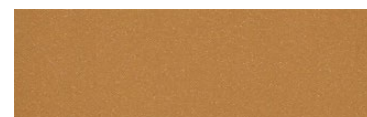
GM gun metal



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.

