

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)

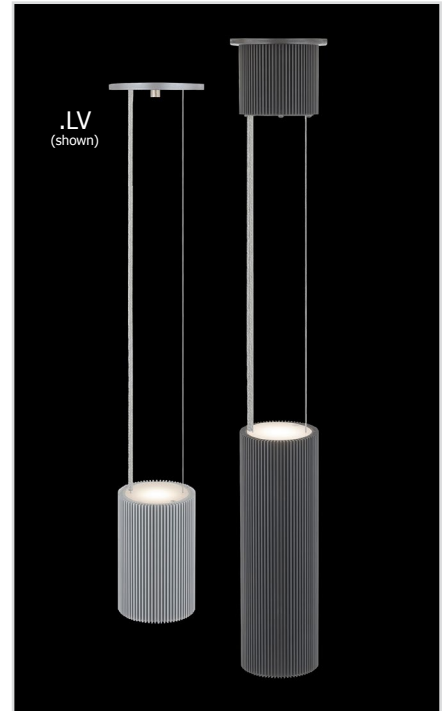
the standard driver can be remote mounted up to 33ft from the LED. suspension length should be considered in distance. remote enclosure supplied. for distances greater than 33ft consult factory. for Chicago Plenum installation consult factory.

finish

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

emergency

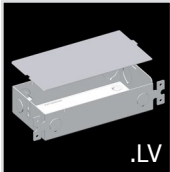
if required, recommend use of inverter (by other).



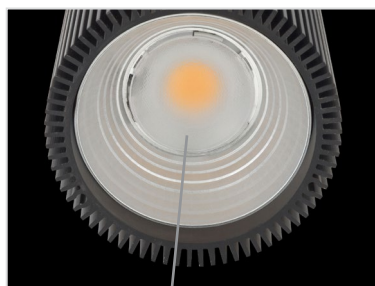
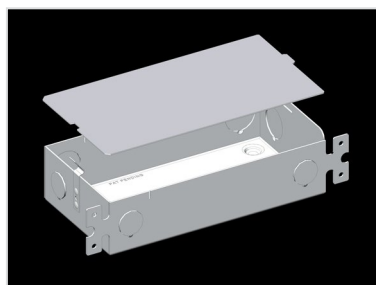
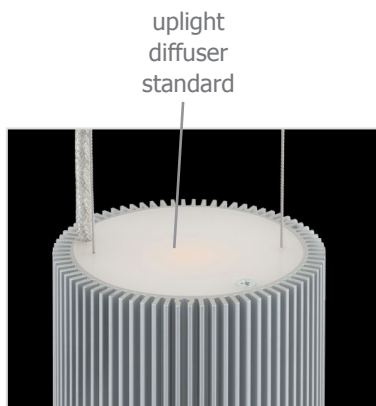
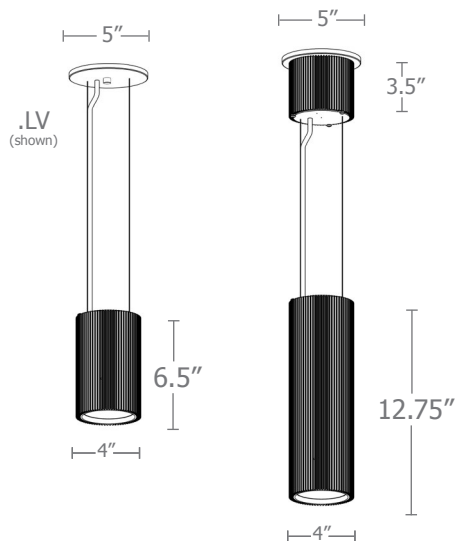
catalog number

direct

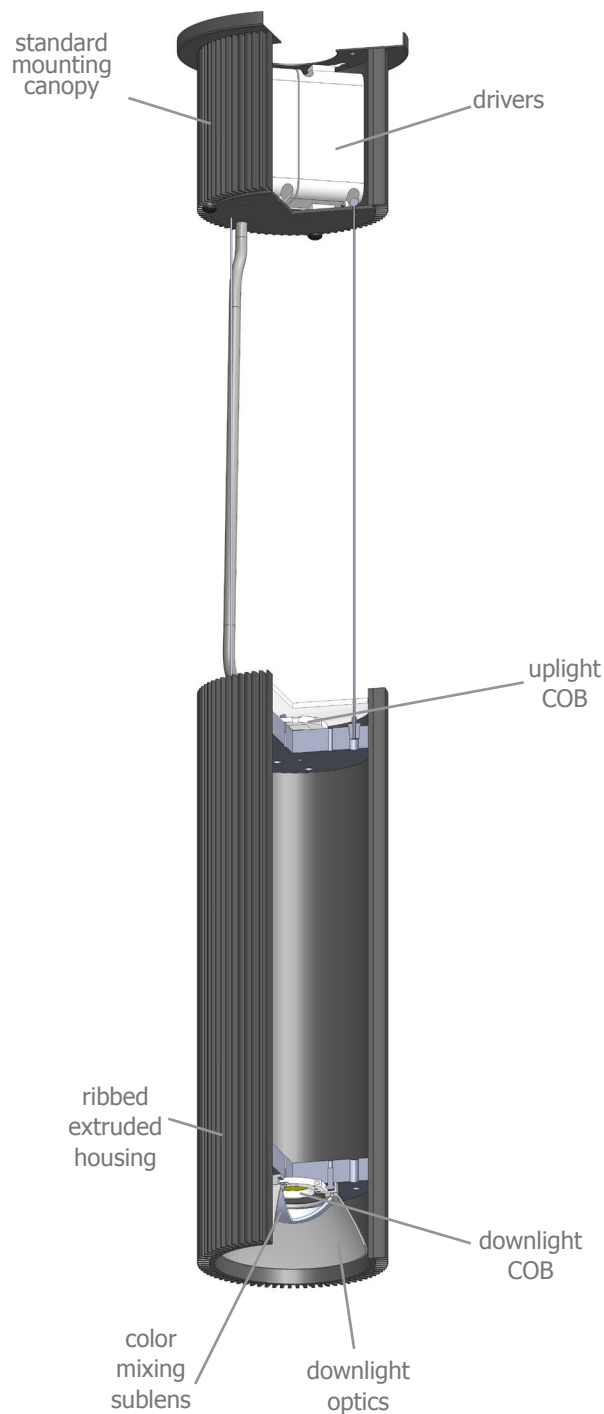
indirect

size P7506.up	downlight beam spread	CCT	downlight lumens	uplight lumens	anodized finishes	options
P7506.up.LV remote enclosure 4"dia X 6.5 "ht	S 20° spot M 30° med W 50° wide XW 90° extra wide	27 2700K 30 3000K 35 3500K 40 4000K	L1 410 lm L2 715 lm L3 1025 lm H1 1435 lm	L1 350 lm L2 610 lm L3 875 lm H1	AN silver anodized ANB anodized black painted finish BS brass BU blue 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#	3FT 36" cables 6FT 72" cables
P7512.up			L1 410 lm L2 715 lm L3 1025 lm H1 1435 lm H2 2050 lm H3 2870 lm	L1 350 lm L2 610 lm L3 875 lm H1 1220 lm		
P7512.up.LV remote enclosure 4"dia X 12.75"ht						
						



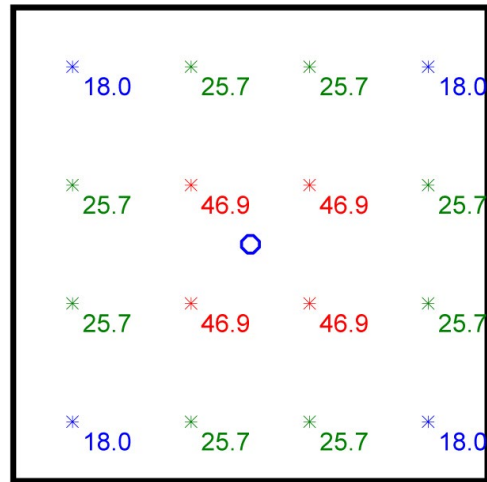


color mixing sublens



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

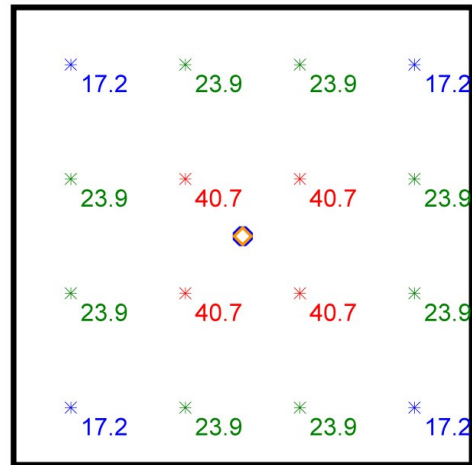
Schedule

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

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

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

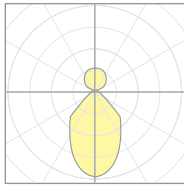
Quick Calc Table

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	410	350	8	12201	.16
P7506 L2 L2	715	610	14	12201	.29
P7506 L3 L3	1025	875	20	12201	.41
P7506 H1 L3	1435	875	24	12201	.57
P7506 H2 L3	2025	875	30	12201	.87
P7512 L1 L1	410	350	8	12203	.12
P7512 L2 L2	715	610	14	12203	.21
P7512 L3 L3	1025	875	20	12203	.30
P7512 H1 H1	1435	1220	28	12203	.41
P7512 H2 H1	2025	1220	34	12203	.59
P7512 H3 H1	2870	1220	42	12203	.83

*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

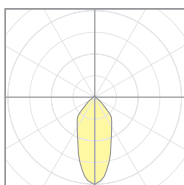
Tests are for each element separately and must be "stacked" to represent single fixture
Consult factory for applications assistance

Direct

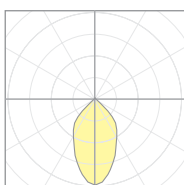
Indirect

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	410	4	20921 spot	.13	350	4	12202	.25
			20922 med	.13				
			20923 wide	.13				
			20924 x-wide	.13				
L2	715	7	20921 spot	.22	610	7	12202	.43
			20922 med	.23				
			20923 wide	.23				
			20924 x-wide	.22				
L3	1025	10	20921 spot	.32	875	10	12202	.62
			20922 med	.32				
			20923 wide	.32				
			20924 x-wide	.31				
					N/A P6606			
H1	1435	14	20921 spot	.45	1220	14	12202	.87
			20922 med	.45				
			20923 wide	.45				
			20924 x-wide	.44				
H2	2050	21	20921 spot	.64				
			20922 med	.65				
			20923 wide	.65				
			20924 x-wide	.63				
H3	2870	28	20921 spot	.89				
			20922 med	.90				
			20923 wide	.91				
			20924 x-wide	.88				

*delivered lumens based on 4000K, 90+ cri



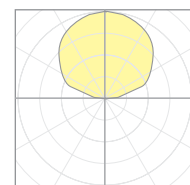
20922
P7506-M-40H3
M 30° med



20923
P7506-W-40H3
W 50° wide

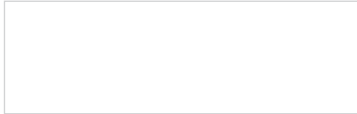
The application of a Light Loss Factor is required to:

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

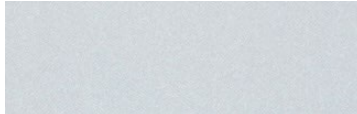


12202
P7606-XXXX-UP

Powder Coat Paint Finishes



MW matte white



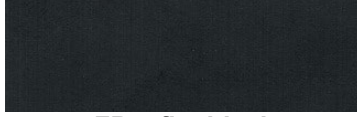
AP anodized paint
AN silver anodized



SS satin silver



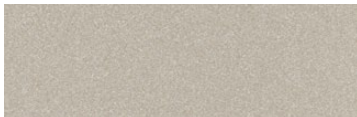
TG textured gray



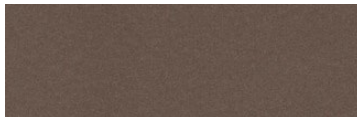
FB flat black



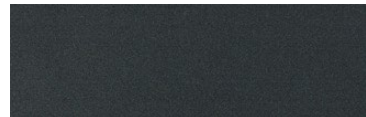
SB satin black
ANB anodized black



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.