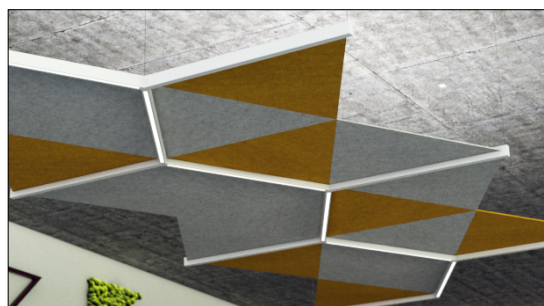
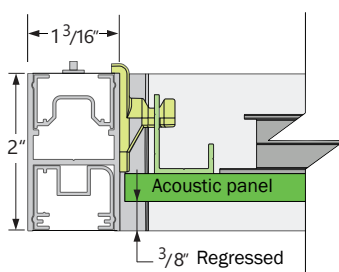




Micro lens shown



Project _____

Type _____

Notes _____



See page 3 for an example of how to specify Stencil SoftZone

A configuration drawing is required

Factory is available for assistance
See page 3 for example of how to specify



* See page 10 for more information.

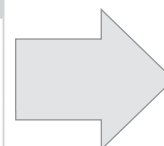


Ordering Guide

STDISZ						
PRODUCT ID	TOTAL LENGTH (FT)	SHIELDING UP	NOM. LUMENS/FT UP	SHIELDING DOWN	NOM. LUMENS/FT DOWN	TOTAL LENGTH - BLANK (OPT.)
STDISZ Stencil Pendant SurroundLite Forms direct indirect	L total length - feet	SLI SurroundLite indirect +SLIA SurroundLite indirect asy.	175 175 lm/ft 250 250 lm/ft 350 350 lm/ft 500 500 lm/ft 700 700 lm/ft	DSO direct spotless lens DMLBK direct micro louver black * DMLG direct micro louver grey *	200 200 lm/ft 300 300 lm/ft 400 400 lm/ft 150 150 lm/ft 225 225 lm/ft 300 300 lm/ft 450 450 lm/ft 600 600 lm/ft SO lens option only Micro louver option only	BK(L) blank
	Lit segments are available in 1' increments. Segment length from 2' to 8' continuous.			* Micro louver recommended at outputs over 500 lm/ft.		Available in any length; min 7", max 8'.

HUB QUANTITY		CRI	COLOR TEMP.	FINISH	VOLTAGE	REMOTE DRIVER
SERIES A	SERIES B					
+AL(#) L Hub (90°)	+BT(#) Triangle Hub (60°)	80 80 CRI	27 2700 K *	AP aluminum paint	120 120 V	DP dimming (0-10V) 1% - remote only
+AT(#) T Hub (90°)	+BX(#) X Hub (120°)	90 90 CRI	30 3000 K	W white	277 277 V	LT lutron - remote only
+AX(#) X Hub (90°)	+BYN(#) Negative Y Hub (60°/120°)		35 3500 K	BLK black	347 347 V*	BI bi-level dimming - remote only
+AY(#) Y Hub (120°)	+BYP(#) Positive Y Hub (120°/60°)		40 4000 K	C(#) custom*	UNV universal	O other - remote only **
+AH(#) Hex Hub (120°)					DC low voltage**	POE(#) POE drivers*
+AI(#) Inline Hub (180°)						
Consult factory for compatibility when mixing series A & B.		Applies to both Up and Down	Applies to both Up and Down * 10% decrease in lumen output	* To match your housing finish with selected standard panel colors see suggested codes on page 4.	* Consult factory ** Only available with POE drivers.	All the drivers are remote only; Applies to both UP & DOWN. * Specify system ** Please consult factory; see page 3

CIRCUITS	MOUNTING/SUSPENSION	CANOPY	BATTERY - REMOTE (OPTIONAL)	CUSTOM (OPTIONAL)
1 1 circuit 2 2 circuits +E(#) emergency circuit *	CA(#) drywall+cable length (36" std.) CT9(#) TB/TG 9/16+cable length (36" std.) CT15(#) TB/TG15/16+cable length (36" std.) CTS(#) screw slot+cable length (36" std.) CASL(#) drywall cable sloped ceiling	SC square canopy RC round canopy	BR(#) remote battery pack	C custom
* Specify quantity	See Mounting kit guide for full specification code. Specify length	White canopy standard	Remote only	Please specify



Please continue code line with elements on page 2



Ordering Guide - SoftZone Panels

	Panel ID (Color, QTY)						
	PANEL ID	SOFTZONE PANEL COLOR					PANEL QUANTITY
		STANDARD PALETTE		EXTENDED CUSTOM PALETTE *			
Square	+SQ22 2'x2' square +SQ33 3'x3' square +SQ44 4'x4' square	COT cotton TIN tin CON concrete SLA slate CAR carbon SAN sand COR cork COP copper BAR bark EAR earth PUR purple OCE ocean LEM lemon LIM lime BRI brick	              	CUSFRO frost CUSDEN denim CUSNAV navy CUSPEB pebble CUSSMO smoke CUSAPP apple green CUSOLI olive CUSEME emerald CUSANC anchor CUSSHA shadow CUSWHE wheat CUSSAC sand castle CUSLEA leather CUSPER peru CUSMOS moss CUSMAR marble CUSMOC moccasin CUSGIN ginger ale CUSASP asphalt CUSFOS fossil CUSCRI crimson CUSMAN maroon CUSFIR fire brick CUSIND indigo CUSBUR burnt orange	                     	# panel quantity	
Rectangular	+RE23 2'x3' rectangular +RE24 2'x4' rectangular +RE25 2'x5' rectangular +RE26 2'x6' rectangular +RE27 2'x7' rectangular +RE28 2'x8' rectangular +RE34 3'x4' rectangular +RE35 3'x5' rectangular +RE36 3'x6' rectangular +RE37 3'x7' rectangular +RE38 3'x8' rectangular +RE45 4'x5' rectangular +RE46 4'x6' rectangular +RE47 4'x7' rectangular +RE48 4'x8' rectangular						
Triangle- 60° only	+TR2 2' triangle- 60° only +TR3 3' triangle- 60° only +TR4 4' triangle- 60° only						
Hexagon (full)	+HE2 2' hexagon (full)						
Hexagon (triangle segment)	+HET2 2' hexagon (triangle segment) +HET3 3' hexagon (triangle segment) +HET4 4' hexagon (triangle segment)						
See page 4 for more details. * Extended custom color palette panels available per request. Consult factory for details.							

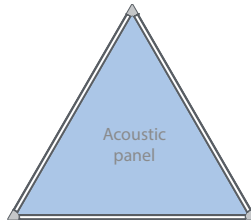
Bottom views



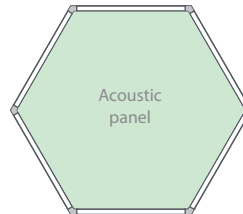
SQ - Square



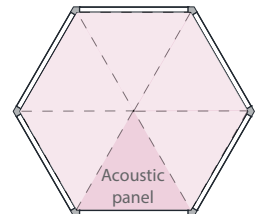
RE - Rectangular



TR - Triangle (60° only)



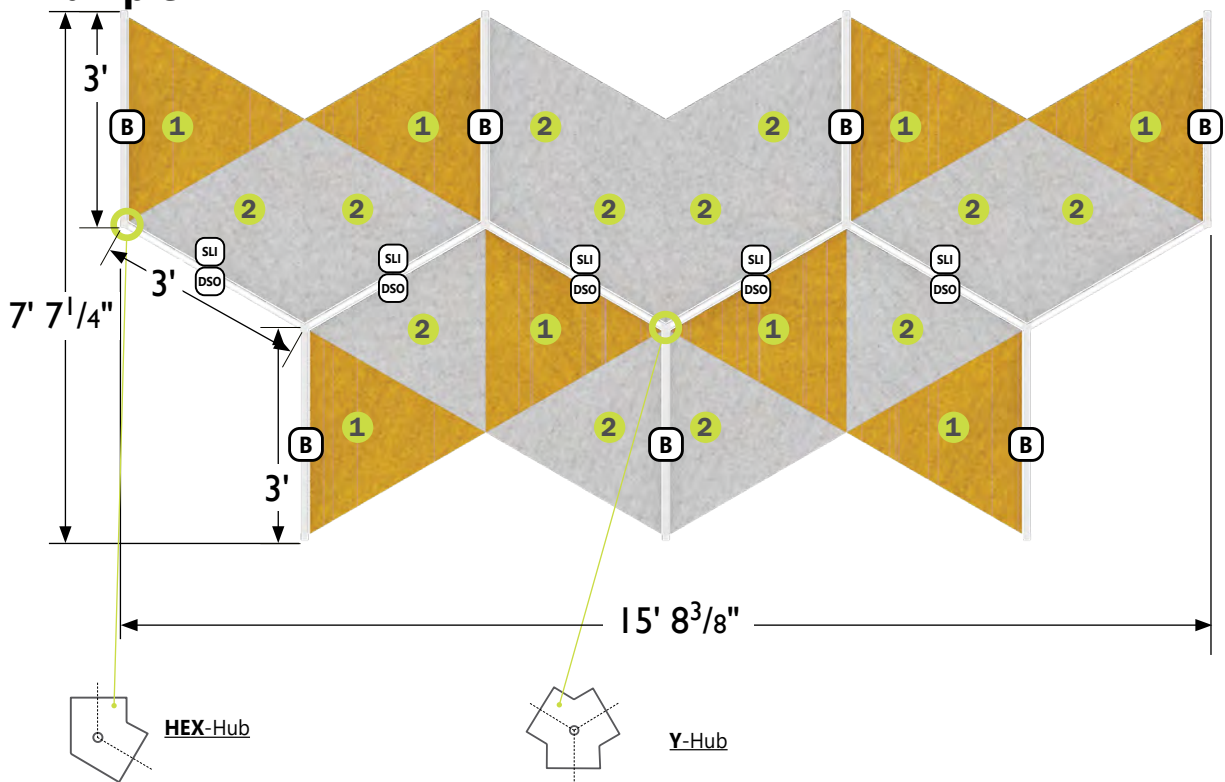
HE - Hexagon (full)



HET - Hexagon (triangle segment)

How to specify Stencil SoftZone

Example



1. Specify Total Length DI

18

TOTAL LENGTH* -DI

SLI
DSO

3'x6

2. Specify Total Length - Blank

21

TOTAL LENGTH** - BLANK

B

3'x7

3. Specify Hub Quantity

AH(2)+AY(5)

HUB QTY

HEX-Hub

Y-Hub

4. Specify SoftZone Panels***

HET3 (LEM, 8)+HET3 (COT, 12)

SoftZone Panel Type - Panel ID (Color, QTY)

1+2

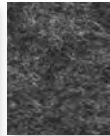
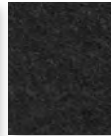
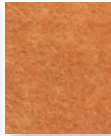
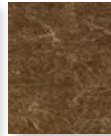
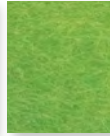
*Segment length from 2' to 8' continuous in one foot increments. Specify total linear length of each distribution.

**Blank segments: available in any length; min 7", max 8'.

*** To specify all panel types, list them with "+" inside ordering code, according to the example above.

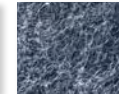
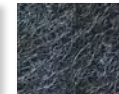
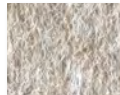
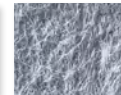
SOFTZONE PANEL COLOR PALETTE

WITH MATCHING HOUSING COLORS

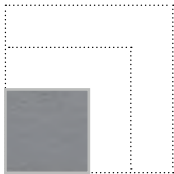
Cotton (COT)	Tin (TIN)	Concrete (CON)	Slate (SLA)	Carbon (CAR)
				
C(RAL9003) Matte	C(RAL7047) Glossy	C(RAL7042) Matte	C(RAL7043) Matte	C(RAL9005) Matte
Sand (SAN)	Cork (COR)	Copper (COP)	Bark (BAR)	Earth (EAR)
				
C(HS512H1107 1872-L)	C(RAL1011) Glossy	C(RAL8001) Glossy	C(RAL8003) Glossy	C(RAL7006) Glossy
Purple (PUR)	Ocean (OCE)	Lemon (LEM)	Lime (LIM)	Brick (BRI)
				
C(RAL4005) Glossy	C(RAL5023) Glossy	C(RAL1023) Matte	C(PMS369C/ KD1139 -u/ PS541G868)	C(RAL4002) Glossy

EXTENDED SOFTZONE PANEL COLOR PALETTE

Available per request. Consult factory for details.

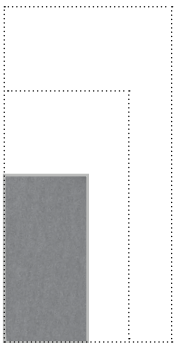
				
Frost (CUSFRO)	Denim (CUSDEN)	Navy (CUSNAV)	Pebble (CUSPEB)	Smoke (CUSSMO)
				
Apple Green (CUSAPP)	Olive (CUSOLI)	Emerald (CUSEME)	Anchor (CUSANC)	Shadow (CUSSHA)
				
Wheat (CUSWHE)	Sand Castle (CUSSAC)	Leather (CUSLEA)	Peru (CUSPER)	Moss (CUSMOS)
				
Marble (CUSMAR)	Moccasin (CUSMOC)	Ginger Ale (CUSGIN)	Asphalt (CUSASP)	Fossil (CUSFOS)
				
Crimson (CUSCRI)	Maroon (CUSMAN)	Fire Brick (CUSFIR)	Indigo (CUSIND)	Burnt Orange (CUSBUR)

SOFTZONE PANEL SHAPE & LUMINAIRE SEGMENT LENGTH



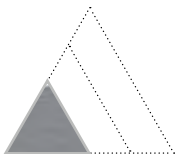
Square

2' x 2', 3' x 3', 4' x 4'



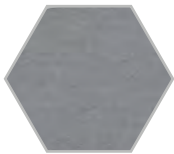
Rectangle

2' x 8' 3' x 8' 4' x 8'
2' x 7' 3' x 7' 4' x 7'
2' x 6' 3' x 6' 4' x 6'
2' x 5' 3' x 5' 4' x 5'
2' x 4' 3' x 4'
2' x 3'



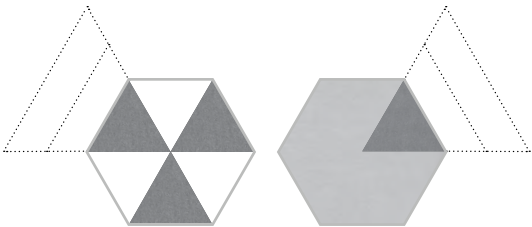
Triangle 60°

2', 3' and 4' section lengths



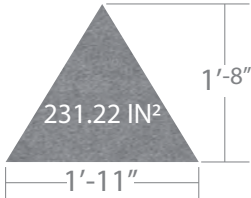
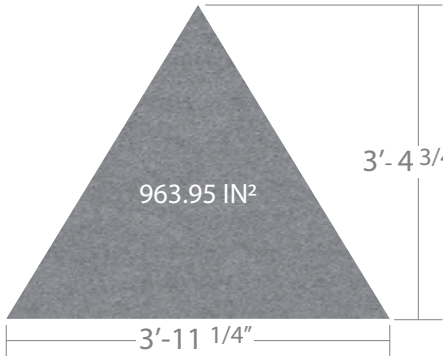
Hexagon (full)

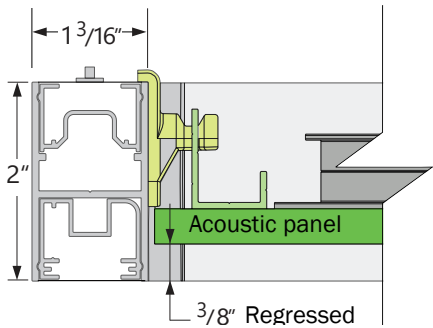
2' full hexagon



Hexagon (triangle segment)

2', 3' and 4' section lengths

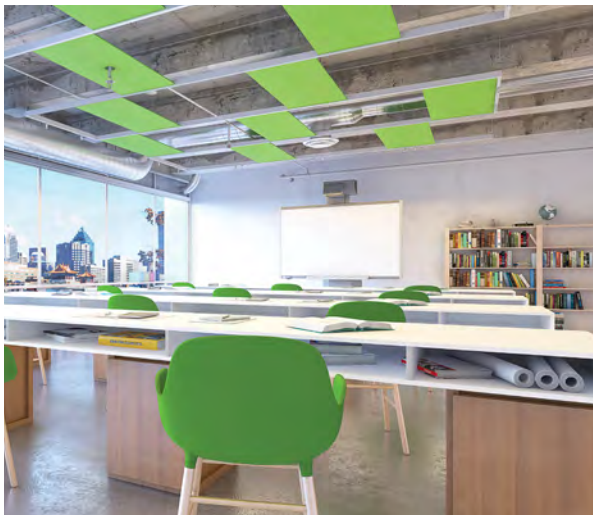
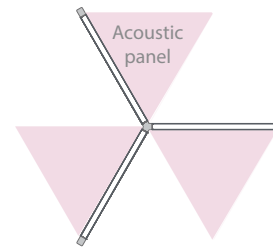
	2FT	3FT	4FT
Hexagon (full)	 1387.32 IN²	NOT AVAILABLE	NOT AVAILABLE
Hexagon (triangle segment)	 231.22 IN² 1'-11" 1'-8" (23.108" x 20.012")	 560.65 IN² 3' 2'-7 1/4" (35.983" x 31.162")	 963.95 IN² 3'-11 1/4" 3'-4 3/4" (47.182" x 40.861")



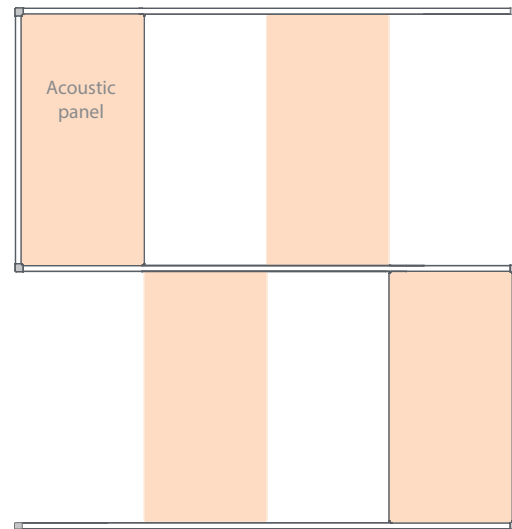
OPEN SHAPES EXAMPLES



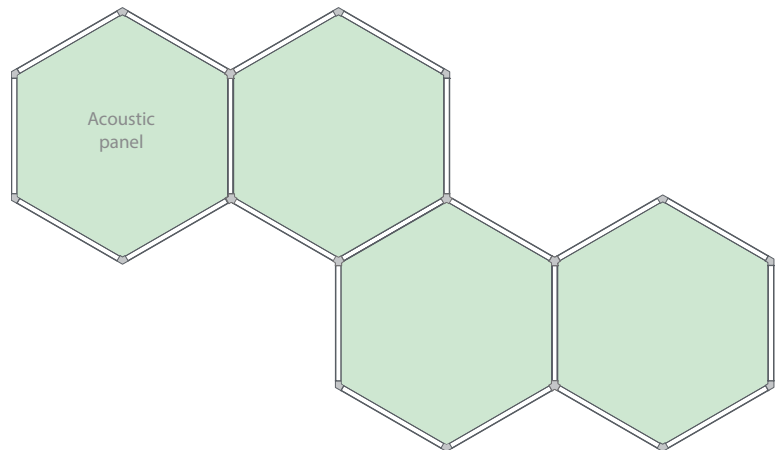
2', 3' and 4' Stencil SoftZone triangular panels



2'x4' Stencil SoftZone rectangular panels

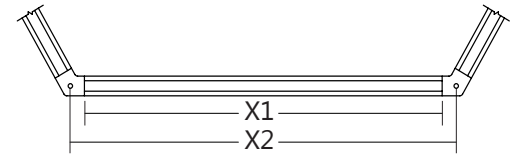


2' Stencil SoftZone hexagonal panels

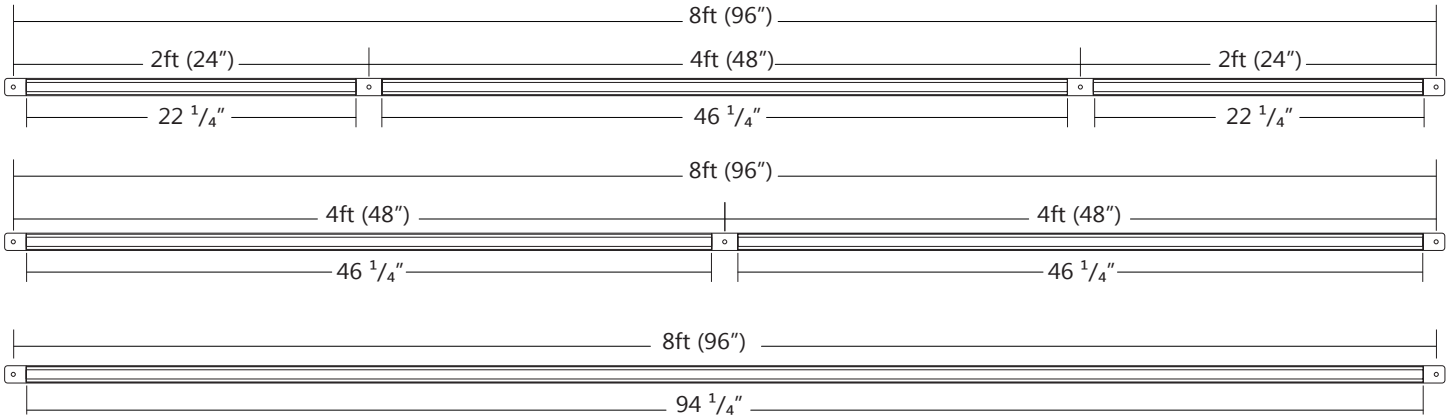


● SEGMENT LENGTHS AND MOUNTING POINTS

Segment length X1			Mounting points X2			
			A Hubs		B Hubs	
Feet	Inches	mm	Inches	mm	Inches	mm
2	22.250	565	24.000	610	25.125	640
3	35.125	895	36.875	940	35.125	890
4	46.250	1175	48.000	1220	46.250	1175
5	57.375	1460	59.125	1500	57.375	1455
6	70.250	1785	72.000	1830	70.250	1785
7	81.375	2065	83.125	2110	81.375	2065
8	94.250	2395	96.000	2440	94.250	2395



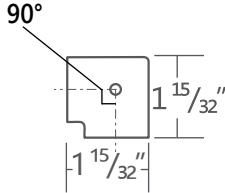
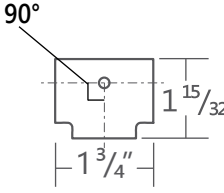
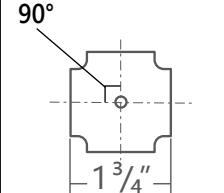
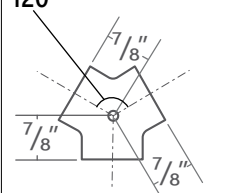
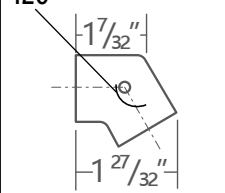
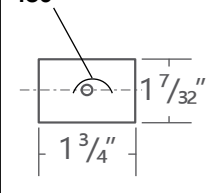
X1 - Segment length
X2 - Mounting points



- ❗ Segment length from 2' to 8' continuous.
Lengths above 8' will require Inline Hub.
Available in 1' increments.

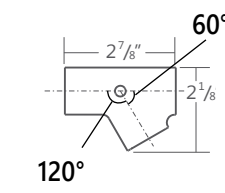
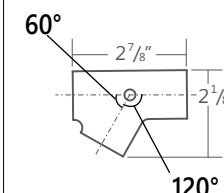
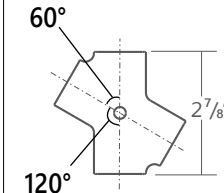
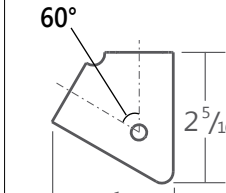
● HUB SERIES A

Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:
L-Hub (90°), T-Hub (90°), X-Hub (90°), Y-Hub (120°), Hex-Hub (120°), Inline-Hub (180°).

L-Hub	T-Hub	X-Hub	Y-Hub-120	Hex-Hub	Inline -Hub
90°  	90°  	90°  	120°  	120°  	180°  

● HUB SERIES B

Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:
Positive-Y-Hub (120°/ 60°), Negative-Y-Hub (60°/120°), X-Hub (60°/120°), and Triangle-Hub (60°).

Positive-Y-Hub	Negative-Y-Hub	X-Hub-120	Triangle-Hub
60°  	60°  	60°  	60°  

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3.0-step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Performance	Up to 101 lm/W.

● CONSTRUCTION

Housing	Extruded Aluminum (0.080" nominal) up to
End Cap + Joiner	Die Cast Aluminum
Interior Brackets	Die Formed Sheet Steel (20 gauge)
Reflectors	High reflectivity white polycarbonate
Lenses	Extruded Acrylic
Hanger	Die Cast Aluminum
Suspension	1 mm Aircraft Cable along product length
Cable Grips	Quick Connecting / Release

● ELECTRICAL - (ALL DRIVERS ARE REMOTE)

Standard Driver	DP dimming (0-10V) 1%
Lutron driver	LDE1 - EcoSystem H-Series (1%)
Other drivers	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor

Power over Ethernet POE drivers*
(consult factory for more information)
UL2108 certified for integral or remote driver

MOLEX
IGOR
SMARTENGINE
O - Other (Consult factory)

All drivers are remote

Emergency	Remote emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV.

i Incorporating these components may have limitations or effect the length of the luminaire, please contact factory for more details.

● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● SOFTZONE® WARRANTY

All SoftZone® Acoustic panels are guaranteed for 1 year (warranty period) from date of shipment from our factory. Defective products will be repaired or replaced at the discretion of Axis Lighting provided a written claim is made within the warranty period.

Exclusions of SoftZone® Warranty:

- Normal wear and tear (scratches, direct sunlight, etc.).
- Products that have been modified, improperly installed, used in conditions or for purposes other than which they were intended.

● FINISH

Aluminum paint, powder coated and custom finishes are also available.

● APPROVALS

Certified to UL and CSA standards.  Suitable for damp locations.

FIRE SAFETY: Class A Fire Rated as per ASTM E84.
Flame Spread Index: 5
Smoke Development Index: 110



● LIGHT GUIDE

High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. In-plane mixing maximizes color uniformity while light emitting area is uniform and diffuse without 'head lighting' from the LED's.

● CLEANING PROTOCOL

NOTE: Easy to clean. Made from polyester fill with natural anti-microbial properties.



Periodic dusting with vacuum or dry cloth recommended.



For stain removal, use a small amount of soap or detergent on a wet cloth.



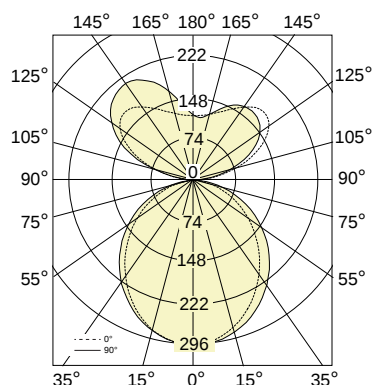
For added disinfection, use bleach solution (5 tablespoons per Gallon of water), spray onto surface and gently wipe to spread all over.



● PHOTOMETRIC DATA

Uplight
175 lm/ft
Downlight with direct spotless lens (DSO)
200 lm/ft

PHOTOMETRIC CURVE



Lumen/ft up: 175 lm/ft
Lumen/ft down: 200 lm/ft
Total Lumens: 1463 lm (for 4ft)
Input Watts: 18.2 W
Efficacy: 88 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

IES FILE: STLDI-I-175-DSO-200-4-80-35.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	296	296	296	296	296
5	292	292	293	294	294
15	273	274	277	281	282
25	242	244	250	256	259
35	203	206	215	224	228
45	161	165	176	186	190
55	118	122	133	143	148
65	75	79	89	98	102
75	35	38	45	52	55
85	5	6	8	11	12
90	0	0	0	0	0
95	14	11	8	7	7
105	69	56	50	55	59
115	125	102	94	102	109
125	163	135	125	135	143
135	175	149	143	152	160
145	161	144	146	155	161
155	139	130	134	143	148
165	124	117	118	122	125
175	117	114	113	113	113
180	116	116	116	116	116

ZONAL LUMENS

Zone	Lumens
0	
0-10	28
10-20	79
20-30	116
30-40	136
40-50	137
50-60	120
60-70	89
70-80	48
80-90	11
90-100	15
100-110	66
110-120	114
120-130	138
130-140	134
140-150	109
150-160	73
160-170	38
170-180	11
180	

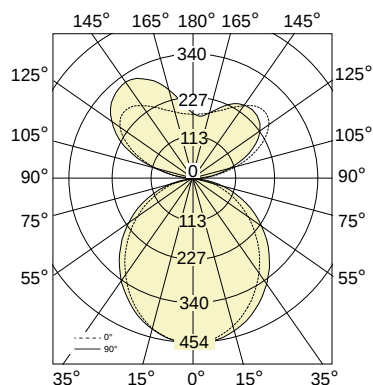
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3793	4142	4479
55	3424	3872	4296
65	2968	3493	4033
75	2279	2864	3508
85	1032	1587	2332

i All IES files are available for download at: www.axislighting.com

Uplight
250 lm/ft
Downlight with direct spotless lens (DSO)
300 lm/ft

PHOTOMETRIC CURVE



Lumen/ft up: 250 lm/ft
Lumen/ft down: 300 lm/ft
Total Lumens: 2161 lm (for 4ft)
Input Watts: 25.2 W
Efficacy: 86 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

IES FILE: STLDI-I-250-DSO-300-4-80-35.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	453	453	453	453	453
5	448	448	449	450	451
15	419	420	425	430	432
25	371	374	384	393	397
35	311	316	330	344	349
45	247	253	270	285	292
55	181	187	205	221	228
65	115	121	136	151	157
75	54	58	68	79	84
85	8	10	13	17	19
90	0	0	0	1	0
95	19	15	11	9	9
105	95	77	69	75	81
115	172	141	129	140	149
125	224	185	172	186	197
135	240	204	196	209	220
145	221	198	201	213	221
155	191	178	184	196	203
165	170	161	162	168	172
175	160	156	155	155	155
180	159	159	159	159	159

ZONAL LUMENS

Zone	Lumens
0	
0-10	43
10-20	121
20-30	180
30-40	211
40-50	214
50-60	190
60-70	142
70-80	80
80-90	21
90-100	21
100-110	91
110-120	157
120-130	189
130-140	185
140-150	150
150-160	100
160-170	53
170-180	16
180	

LUMINANCE DATA (cd/m²)

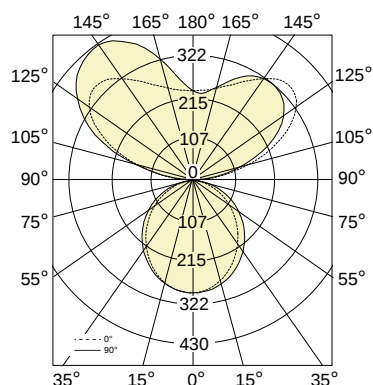
Vertical Angle	Horizontal Angles		
	0	45	90
45	5808	6360	6884
55	5246	5949	6608
65	4547	5375	6194
75	3479	4407	5421
85	1540	2431	3604

i All IES files are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

Uplight
350 lm/ft
Downlight with direct spotless lens (DSO)
200 lm/ft

PHOTOMETRIC CURVE



Lumen/ft up: 350 lm/ft
Lumen/ft down: 200 lm/ft
Total Lumens: 2163 lm (for 4ft)
Input Watts: 25.4 W
Efficacy: 85 lm/W

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	296	296	296	296	296
5	292	292	293	294	294
15	273	274	277	281	282
25	242	244	250	256	259
35	203	206	215	224	228
45	161	165	176	186	190
55	118	122	133	143	148
65	75	79	89	98	102
75	35	38	45	52	55
85	5	6	8	11	12
90	0	0	0	0	0
95	28	22	17	14	13
105	139	112	101	110	118
115	250	205	187	203	217
125	327	269	250	271	287
135	350	298	285	304	320
145	322	288	292	310	322
155	278	259	268	285	296
165	247	235	236	244	251
175	234	228	226	225	226
180	232	232	232	232	232

ZONAL LUMENS

Zone	Lumens
0	
0-10	28
10-20	79
20-30	116
30-40	136
40-50	137
50-60	120
60-70	89
70-80	48
80-90	11
90-100	30
100-110	133
110-120	228
120-130	275
130-140	269
140-150	219
150-160	146
160-170	77
170-180	23
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3793	4142	4479
55	3424	3872	4296
65	2968	3493	4033
75	2279	2864	3508
85	1032	1587	2332

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

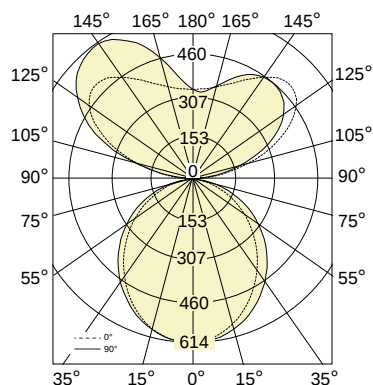
IES FILE: STLDI-I-350-DSO-200-4-80-35.IES

TESTED ACCORDING TO IES LM-79-2008

i All IES files are available for download at: www.axislighting.com

Uplight
500 lm/ft
Downlight with direct spotless lens (DSO)
400 lm/ft

PHOTOMETRIC CURVE



Lumen/ft up: 500 lm/ft
Lumen/ft down: 400 lm/ft
Total Lumens: 3623 lm (for 4ft)
Input Watts: 40.6 W
Efficacy: 89 lm/W

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	613	613	613	613	613
5	605	606	607	609	610
15	566	569	575	581	585
25	502	506	519	531	537
35	421	428	447	465	473
45	333	342	365	386	395
55	244	253	277	298	308
65	156	163	184	205	213
75	73	79	93	107	114
85	11	13	17	23	26
90	0	0	0	1	0
95	40	31	24	19	19
105	198	160	144	157	168
115	357	293	268	291	311
125	467	385	357	386	410
135	499	425	407	435	457
145	460	412	418	442	459
155	397	370	384	407	422
165	353	335	337	349	358
175	334	326	323	322	323
180	331	331	331	331	331

ZONAL LUMENS

Zone	Lumens
0	
0-10	58
10-20	164
20-30	243
30-40	286
40-50	289
50-60	256
60-70	192
70-80	108
80-90	28
90-100	43
100-110	190
110-120	326
120-130	393
130-140	384
140-150	313
150-160	209
160-170	110
170-180	33
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7855	8602	9311
55	7096	8045	8937
65	6150	7269	8377
75	4705	5960	7331
85	2084	3288	4874

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

IES FILE: STLDI-I-500-DSO-400-4-80-35.IES

TESTED ACCORDING TO IES LM-79-2008

i All IES files are available for download at: www.axislighting.com