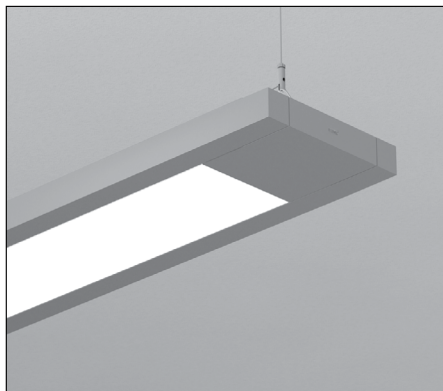
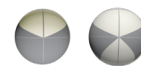
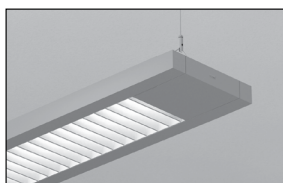
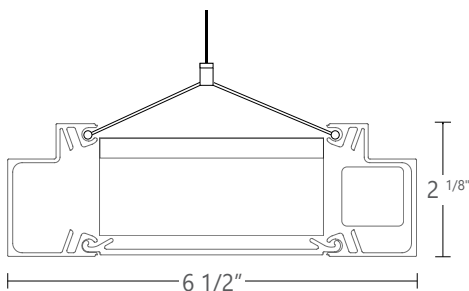




Spotless lens



Louver



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

DISTRIBUTION	NOMINAL LUMEN OUTPUT		INPUT WATTS	EFFICACY	SHIELDING
	UP	DOWN			
75up/25down at 1000 lm/ft	750 lm/ft	250 lm/ft	8.1 w/ft	124 lm/w	SO
55up/45down at 1000 lm/ft	550 lm/ft	450 lm/ft	11.8 w/ft	84 lm/w	PL
25up/75down at 1000 lm/ft	250 lm/ft	750 lm/ft	16.9 w/ft	59 lm/w	PL
100up/0down at 1000 lm/ft	1000 lm/ft	-	11.1 w/ft	90 lm/w	NO

* Based on a 4 foot luminaire using one driver
Please consult factory for custom lumen output and wattage

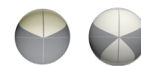


Ordering Guide

CUBLED									
PRODUCT ID		LIGHT ENGINE		NOMINAL LUMENS/FT		CRI		COLOR TEMP.	
CUBLED	Pendant LED	SL 75/25	SurroundLite 75% up/25% down (semi-indirect)	800	800 lm/ft - Minimum	80	80 CRI	30	3000 K
		SL 55/45	SurroundLite 55% up/45% down (semi-indirect)	1000	1000 lm/ft - Maximum	90	90 CRI	35	3500 K
		SL 25/75	SurroundLite 25% up/75% down (semi-direct)					40	4000 K
		SL 100/0	SurroundLite 100% up/0% down (indirect)						
				Applies to both UP & DOWN. Outputs between listed min and max are available. Consult factory for other lumen packages		Applies to both UP & DOWN.		Applies to both UP & DOWN.	

SHIELDING		FIXTURE LENGTH		FINISH		VOLTAGE		DRIVER	
SO	spotless lens		2 2'	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%
PL	louver	Semi-Indirect and Semi-Direct option only	4 4'	W	white	277	277 V	LT	Lutron
			8 8'	BLK	black	347	347 V	BI	bi-level dimming
NO	no shielding	Indirect option only (SL 100/0)	12 12'	C	custom	UNV	universal	O	other **
			S(L) System Run			DC	low voltage*	POE(#)	POE drivers*
			Available increments 1ft. Minimum length 2ft.			Applies to both UP & DOWN. * Only available with POE drivers.		Applies to both UP & DOWN. * Specify system ** Please consult factory	

CIRCUITS		MOUNTING/SUSPENSION		BATTERY (OPTIONAL)		IC CONTROLS		CUSTOM	
1	1 circuit	CA(#)	drywall+cable length (36" std.)	B(#)	battery pack (integral)	DS(#)	daylight sensor	C	custom
2	2 circuits	CT9(#)	TB/TG 9/16+cable length (36" std.)			OS(#)	occupancy sensor		
2A/B	2 circuit alternating/4ft emergency section	CT15(#)	TB/TG 15/16+cable length (36" std.)			DOS(#)	daylight & occupancy sensor		
+E(#)	emergency section	CTS(#)	screw slot+cable length (36" std.)			EN(#)	Enlighted integral		
+NL(#)	night light section	SA(#)	drywall+stem length >48" (18" std.)			ENR(#)	Enlighted remote		
+GTD(#)	generator transfer device	CASL(#)	drywall cable sloped ceiling			WC(#)	wireless control dimming		
		SASL(#)	drywall stem sloped ceiling						
		+SM	seismic kit						
Control UP & DOWN lights together		See Mounting kit guide for full specification code.		For minimum 36" long fixture only Not available with 347V Please consult factory		Applies to both UP & DOWN. Specify quantity. Requires 8" blank See integrated controls guide for more details.		Please specify	



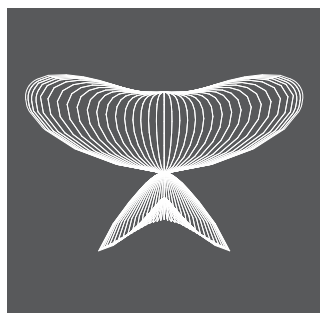
● SURROUNDLITE TECHNOLOGY

Cubic with SurroundLite provides the flexibility of high efficacy spherical three dimensional wide batwing distributions and shielding options that all result in true lighting effectiveness. Cubic SurroundLite has an integral driver and a light guide with proper cutoff and no view of bugs or dust particles.

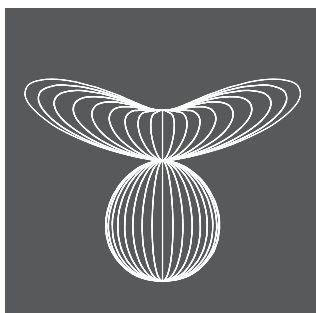
An innovative technology to get much more out of LEDs: Axis SurroundLite is based on the fundamental physics of how light interacts with matter. The specially engineered lightguide is made of precisely coded and aligned molecules that shape LED output in all three dimensions.

With SurroundLite extra-wide, multidimensional light distribution, light is directed in all three planes and sent in every corner of the room. SurroundLite brings the promise of balanced brightness, facilitating lighting design.

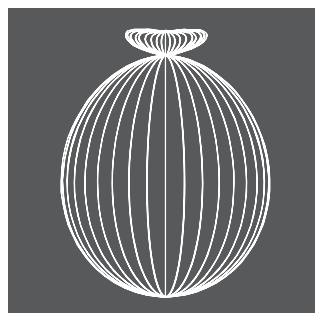
3D Polar Curve (SL 75/25)



3D Polar Curve (SL 55/45)



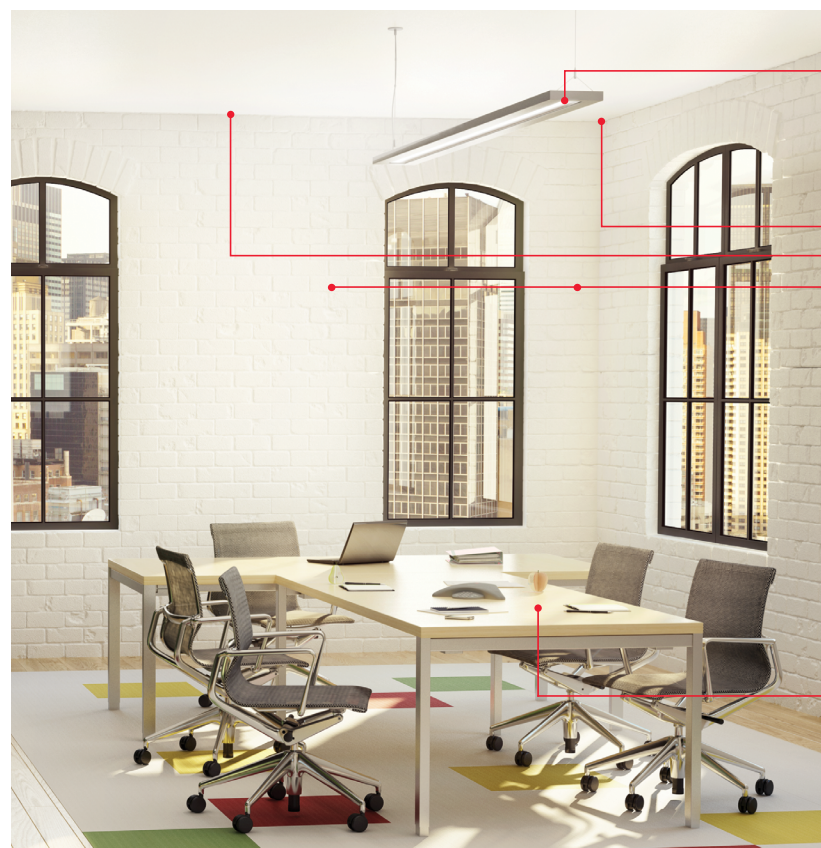
3D Polar Curve (SL 25/75)



3D Polar Curve (SL 100/0)



● SURROUNDLITE BENEFITS



Glare Mitigation

Louvers and lenses yield lower luminance on the luminaire's light-emitting area.

Reduced 'Cave Effect', Increased Perceived Brightness

Wide 3D batwing uplight distribution lights up corners
Lighting at seam between ceiling and wall
3D light distribution from luminaire extremities lights up adjacent spaces and vertical planes

Use of Fewer Luminaires

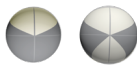
The 3D nature of light distribution is well suited to checkerboard patterns, reducing the need for continuous rows.

Better Facial Modeling / Facial Recognition

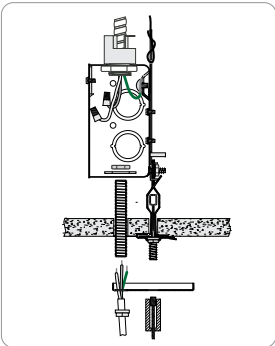
Reflected light from illuminated surfaces within the space results in soft fill light on the vertical plane.

No Streaks or Hot Spots of Light

Axis SurroundLite technology spreads out light uniformly versus Lambertian distributions that put an intensity of light directly above and below the luminaire.



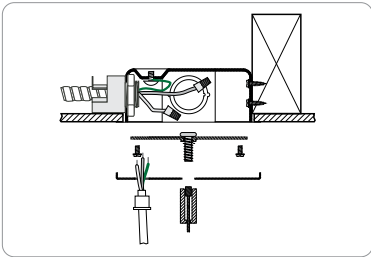
● MOUNTING OPTIONS



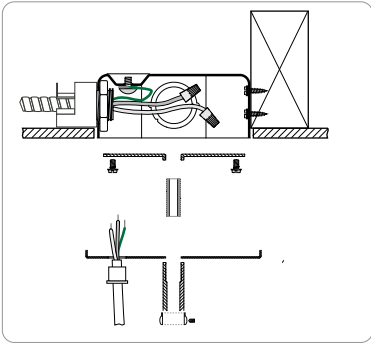
CT TILE CEILING - ON GRID

Mounting options are also available for slope ceiling and seismic bracing.

i Installation sheets for all mounting options are available at: www.axislighting.com under 'Downloads' tab.



CA DRYWALL CEILING



SA STEM MOUNT IN DRYWALL CEILING

i Specification sheets for pendant mounted Cubic SurroundLite luminaires are available at: www.axislighting.com under 'Downloads' tab.

● OTHER MOUNTING OPTIONS

Cubic SurroundLite is also available as a wall mount.

● 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.

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
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 spreader to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104F)

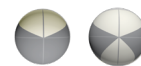
● CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal)
End Cap	Die cast aluminum (0.10" nominal)
Joiners	Die cast aluminum (0.10" nominal)
Top Covers	Cold rolled sheet steel painted (24 gauge)
Smooth Lens	Uniform frosted acrylic lens
Flat blade louvers	Semispecular aluminum material (electronically anodized) for added visual comfort

● ELECTRICAL

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)	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	UL2108 certified for integral or remote driver Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV.

i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

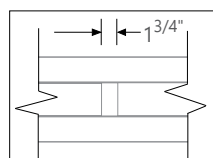
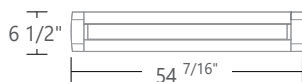


● LIGHT GUIDE

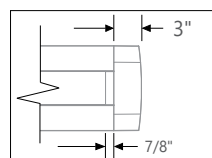
High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire.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

● LENGTHS

Cubic SurroundLite 4ft (4)

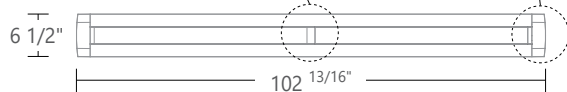


For all fixture lengths

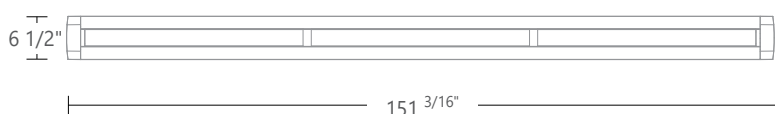


For all fixture lengths

Cubic SurroundLite 8ft



Cubic SurroundLite 12ft



● SYSTEMS (S#)

Runs of Cubic SurroundLite that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination 4ft and/or 8ft and 12ft sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the Cubic SurroundLite installation sheets available at: www.axislighting.com under 'Downloads' tab.

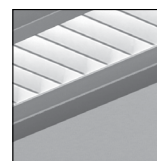
● WEIGHT

Cubic SurroundLite 4ft	12 lbs / 5.4 kg
Cubic SurroundLite 8ft	24 lbs / 10.9 kg
Cubic SurroundLite 12ft	36 lbs / 16.3 kg

● OPTICS



SO spotless lens



PL flat blade louvers

● SUSPENSION / MOUNTING SPACING

Standard Suspension Length:

CABLE : 36" (Adjustable length)

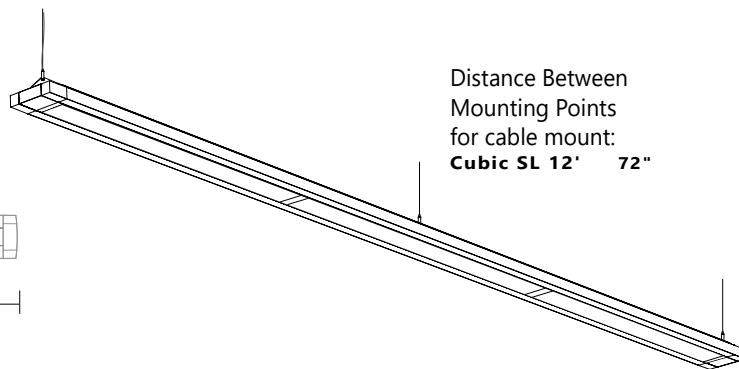
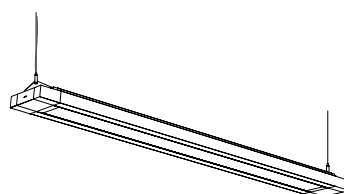
STEM: 18" (For 8' length maximum)

Distance Between Mounting Points for stem mount:

Cubic SL 4' 48 7/16"
Cubic SL 8' 96 13/16"

Distance Between Mounting Points for cable mount:

Cubic SL 4' 48"
Cubic SL 8' 96"



Distance Between Mounting Points for cable mount:
Cubic SL 12' 72"

Stem Mount - 8ft Max

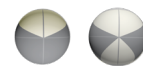
i Row configuration and mounting spacing file is available for download at: www.axislighting.com

● FINISH

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

● APPROVALS

Certified to UL and CSA standards Suitable for damp locations.



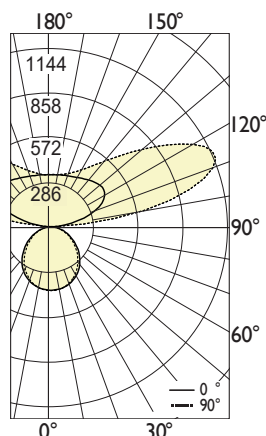
● PHOTOMETRIC DATA

SPOTLESS LENS (SO)

CUBLED-SL 75-25-1000-80-35-SO-4

75% up / 25% down at 1000 lm/ft

PHOTOMETRIC CURVE



Luminaire Lumens: 3998 lm

Input Watts: 32.3 W

Efficacy: 124 lm/W

IES FILE: CUBLED-SL 75-25-1000-80-35-SO-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	408	408	408	408	408
5	404	406	407	407	407
15	391	392	391	389	388
25	363	362	357	353	351
35	318	315	308	301	298
45	258	255	247	239	236
55	193	191	184	177	174
65	129	127	122	118	116
75	69	68	66	64	63
85	20	20	19	19	19
90	1	1	1	2	2
95	51	126	204	214	210
105	219	304	551	826	922
115	361	408	612	965	1143
125	414	444	569	787	918
135	402	422	494	598	653
145	374	384	419	464	484
155	353	356	370	386	392
165	341	341	345	349	351
175	335	334	334	335	335
180	334	334	334	334	334

ZONAL LUMENS

Zone	Lumens
0	
0-10	39
10-20	110
20-30	164
30-40	192
40-50	191
50-60	164
60-70	121
70-80	70
80-90	22
90-100	159
100-110	551
110-120	668
120-130	562
130-140	406
140-150	273
150-160	175
160-170	99
170-180	32
180	

LUMINANCE DATA (cd/m²)

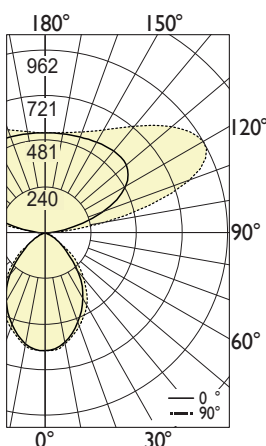
Vertical Angle	Horizontal Angles		
	0	45	90
45	3652	3492	3339
55	3366	3197	3040
65	3048	2893	2737
75	2667	2560	2435
85	2310	2217	2124

LOUVER (PL)

CUBLED-SL 55-45-1000-80-35-PL-4

55% up / 45% down at 1000 lm/ft

PHOTOMETRIC CURVE



Luminaire Lumens: 3991 lm

Input Watts: 47.4 W

Efficacy: 84 lm/W

IES FILE: CUBLED-SL 55-45-1000-80-35-PL-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	604	604	604	604	604
5	598	599	602	603	604
15	535	540	540	545	547
25	442	440	438	459	474
35	334	325	326	351	374
45	205	200	203	224	256
55	103	94	93	111	123
65	42	39	34	39	52
75	13	12	12	16	24
85	2	2	3	4	6
90	1	1	1	1	1
95	28	46	67	75	74
105	202	257	396	517	557
115	408	450	609	821	914
125	524	553	666	828	909
135	553	574	644	737	784
145	546	557	594	639	660
155	532	537	552	571	579
165	522	523	528	534	537
175	517	517	518	518	518
180	516	516	516	516	516

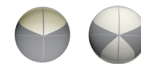
ZONAL LUMENS

Zone	Lumens
0	
0-10	57
10-20	153
20-30	208
30-40	213
40-50	166
50-60	92
60-70	40
70-80	16
80-90	4
90-100	67
100-110	376
110-120	614
120-130	624
130-140	517
140-150	383
150-160	260
160-170	151
170-180	50
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2914	2896	3646
55	1810	1631	2162
65	1011	804	1249
75	505	472	941
85	225	331	742

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

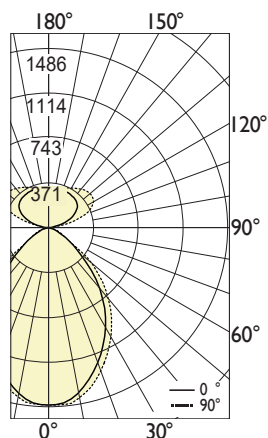


● PHOTOMETRIC DATA

LOUVER (PL)

CUBLED-SL 25-75-1000-80-35-PL-4
25% up / 75% down at 1000 lm/ft

PHOTOMETRIC CURVE



Luminaire Lumens: 3979 lm
Input Watts: 67.6 W
Efficacy: 59 lm/W
IES FILE: CUBLED-SL 25-75-1000-80-35-PL-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1481	1481	1481	1481	1481
5	1469	1472	1479	1483	1486
15	1313	1335	1351	1372	1378
25	1084	1091	1097	1136	1166
35	822	808	802	858	921
45	509	495	504	562	640
55	253	228	225	265	289
65	105	94	82	94	124
75	33	30	30	40	58
85	5	5	8	12	17
90	1	1	1	1	1
95	18	24	25	24	25
105	116	135	179	214	231
115	225	243	304	368	399
125	296	314	365	422	450
135	324	340	379	420	438
145	333	343	366	390	401
155	336	341	352	363	368
165	338	339	343	347	349
175	339	338	339	340	340
180	339	339	339	339	339

ZONAL LUMENS

Zone	Lumens
0	
0-10	140
10-20	378
20-30	510
30-40	520
40-50	409
50-60	222
60-70	97
70-80	39
80-90	10
90-100	33
100-110	178
110-120	297
120-130	328
130-140	294
140-150	232
150-160	164
160-170	98
170-180	32
180	

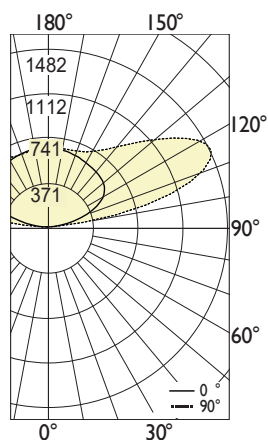
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7196	7125	9056
55	4417	3926	5035
65	2496	1945	2943
75	1280	1172	2242
85	588	874	1926

NO SHIELDING (NO)

CUBLED-SL 100-0-1000-90-35-NO-4
100% up at 1000 lm/ft

PHOTOMETRIC CURVE



Luminaire Lumens: 4000 lm
Input Watts: 44.4 W
Efficacy: 90 lm/W
IES FILE: CUBLED-SL 100-0-1000-90-35-NO-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	2	2	2	3	3
95	66	146	184	125	93
105	289	388	691	976	1052
115	481	541	805	1262	1482
125	574	618	779	1080	1267
135	601	631	723	868	958
145	610	628	672	731	764
155	623	633	650	669	679
165	637	642	648	653	656
175	646	647	649	650	651
180	647	647	647	647	647

ZONAL LUMENS

Zone	Lumens
90	
90-100	200
100-110	701
110-120	850
120-130	731
130-140	562
140-150	416
150-160	296
160-170	181
170-180	62
180	