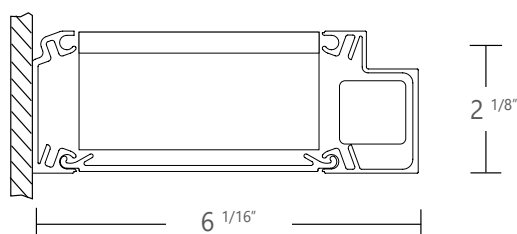




Spotless Lens



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	8.2 w/ft	122 lm/w	SO
75up/25down at 1000 lm/ft	750 lm/ft	250 lm/ft	9.3 w/ft	108 lm/w	PL
100up/0down at 1000 lm/ft	1000 lm/ft	-	7.3 w/ft	136 lm/w	NO

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



Ordering Guide

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

SHIELDING			FIXTURE LENGTH		FINISH		VOLTAGE		DRIVER	
SO PL	spotless lens	Semi-Indirect option only (SL 75/25)	2	2'	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%
	louver		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. * For 347V only ** Please consult factory *** Specify system	

CIRCUITS		BATTERY (OPTIONAL)		IC CONTROLS		CUSTOM	
1	1 circuit	B(#)	battery pack (integral)	DS(#)	daylight sensor	C	custom
2	2 circuits			OS(#)	occupancy sensor		
2A/B	2 circuit alternating/4ft			DOS(#)	daylight & occupancy sensor		
+E(#)	emergency section			WC(#)	wireless control dimming		
+NL(#)	night light section						
+GTD(#)	generator transfer device						
Control UP & DOWN lights together		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	



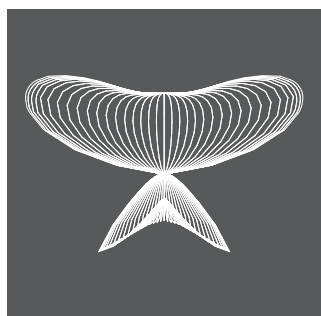
● SURROUNDLITE TECHNOLOGY

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 is only 1.375" depth with 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)





● 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.

● 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 sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F)

● 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

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

● 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.

● OPTICS



SO spotless lens



PL flat blade louvers

● 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 MOLEX POE drivers* (consult factory for more information)	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.

● OTHER MOUNTING OPTIONS

Cubic SurroundLite is also available as a pendant mount.

● FINISH

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

● APPROVALS

Certified to UL and CSA standards 
Suitable for damp locations.

● WEIGHT

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

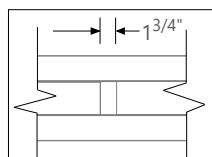
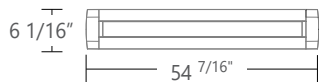
● WARRANTY

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.



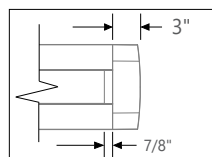
● LENGTHS

Cubic SurroundLite 4ft (4)



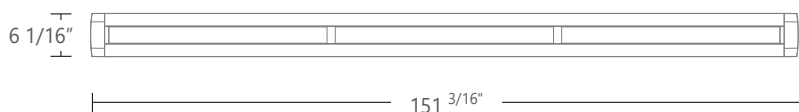
For all fixture lengths

Cubic SurroundLite 8ft



For all fixture lengths

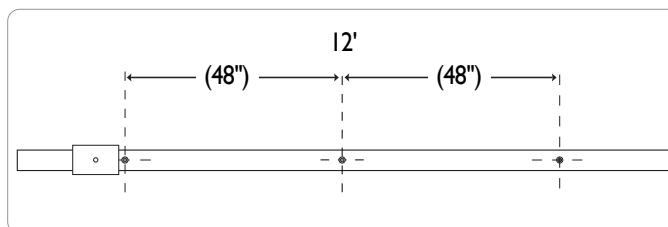
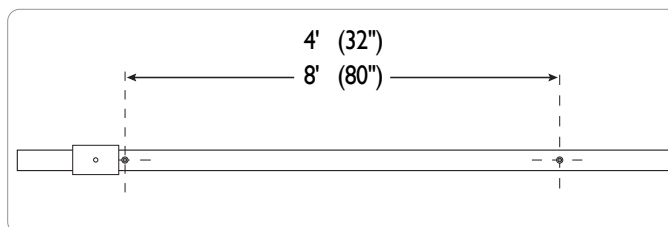
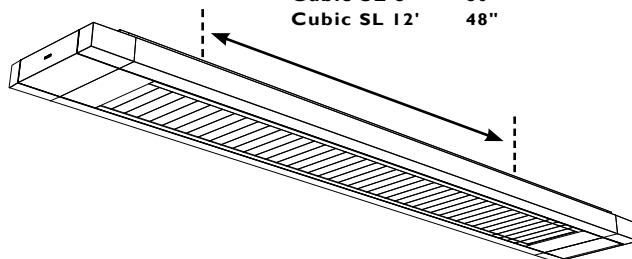
Cubic SurroundLite 12ft



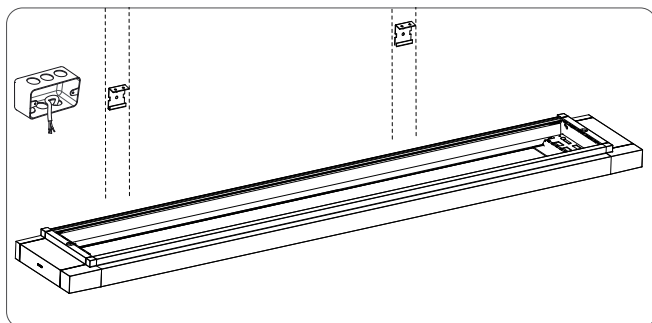
● MOUNTING SPACING

Distance Between Mounting Points:

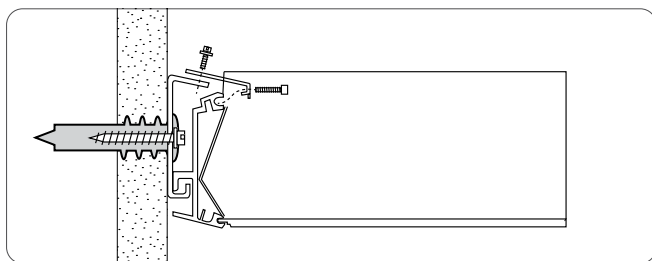
Cubic SL 4'	32"
Cubic SL 8'	80"
Cubic SL 12'	48"



● MOUNTING DETAILS



MOUNTING BRACKETS



SIDE VIEW

i Installation sheets for all mounting options are available at:
www.axislighting.com



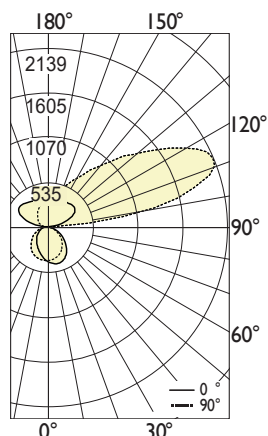
● PHOTOMETRIC DATA

SPOTLESS LENS (SO)

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

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

PHOTOMETRIC CURVE



Luminaire Lumens: 4002 lm

Input Watts: 32.8 W

Efficacy: 122 lm/W

IES FILE: CUBWLED-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	401	401	401	401	401
5	400	410	418	424	425
15	388	414	436	450	454
25	360	396	425	443	449
35	316	354	383	399	405
45	259	291	316	327	332
55	195	220	239	244	249
65	130	148	161	162	168
75	72	81	90	92	94
85	18	24	30	32	33
90	1	2	3	4	5
95	499	550	446	222	56
105	1821	1655	989	485	222
115	2104	1738	1046	601	353
125	1600	1367	936	614	403
135	1114	1007	760	546	388
145	757	711	588	464	361
155	542	522	471	405	342
165	426	418	396	365	330
175	355	352	347	338	325
180	324	324	324	324	324

ZONAL LUMENS

Zone	Lumens
0	
0-10	38
10-20	109
20-30	164
30-40	194
40-50	195
50-60	169
60-70	126
70-80	73
80-90	23
90-100	212
100-110	583
110-120	644
120-130	529
130-140	385
140-150	261
150-160	169
160-170	96
170-180	31
180	

LUMINANCE DATA (cd/m²)

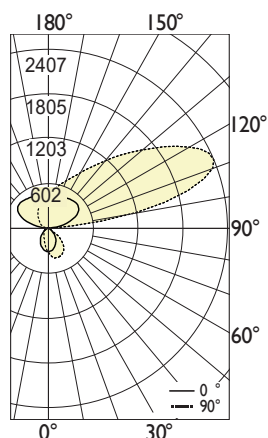
Vertical Angle	Horizontal Angles		
	0	45	90
45	3415	4175	4387
55	3174	3883	4045
65	2876	3552	3700
75	2590	3242	3396
85	1977	3199	3577

LOUVER (PL)

CUBWLED- SL 75 25-1000-80-35-PL-4

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

PHOTOMETRIC CURVE



Luminaire Lumens: 3998 lm

Input Watts: 37.1 W

Efficacy: 108 lm/W

IES FILE: CUBWLED- SL 75 25-1000-80-35-PL-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	317	317	317	317	317
5	313	330	343	356	359
15	283	328	378	405	414
25	236	299	343	386	407
35	182	236	277	325	362
45	115	151	185	228	273
55	59	70	84	100	104
65	23	28	24	21	23
75	7	8	7	7	10
85	1	1	1	2	3
90	2	1	0	0	0
95	62	241	430	368	335
105	260	544	1112	1761	1948
115	427	700	1209	1994	2383
125	498	746	1120	1635	1903
135	501	700	957	1256	1389
145	483	624	776	928	997
155	467	559	647	717	748
165	458	510	554	586	598
175	454	470	484	494	499
180	453	453	453	453	453

ZONAL LUMENS

Zone	Lumens
0	
0-10	30
10-20	83
20-30	115
30-40	122
40-50	102
50-60	58
60-70	23
70-80	9
80-90	2
90-100	200
100-110	638
110-120	744
120-130	637
130-140	485
140-150	345
150-160	230
160-170	133
170-180	44
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	1514	2442	3603
55	956	1366	1691
65	516	534	513
75	257	252	348
85	62	127	325

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



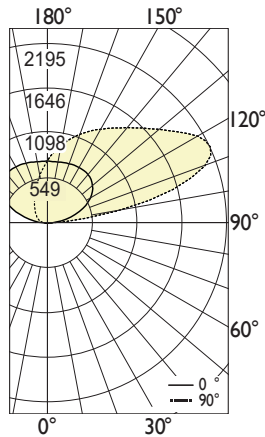
● PHOTOMETRIC DATA

NO SHIELDING (NO)

CUBWLED-SL 100 0-1000-80-35-NO-4

100% up at 1000 lm/ft

PHOTOMETRIC CURVE



Luminaire Lumens: 3997 lm
Input Watts: 29.3 W
Efficacy: 136 lm/W
IES FILE: CUBWLED-SL 100 0-1000-80-35-NO-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	5	3	2	1	1
95	70	200	287	218	203
105	297	535	997	1464	1588
115	518	755	1186	1859	2195
125	670	904	1231	1685	1942
135	753	977	1222	1501	1640
145	781	987	1176	1344	1415
155	779	948	1091	1197	1237
165	765	878	971	1038	1059
175	754	796	830	856	863
180	759	759	759	759	759

ZONAL LUMENS	
Zone	Lumens
90	
90-100	149
100-110	578
110-120	754
120-130	723
130-140	629
140-150	506
150-160	366
160-170	220
170-180	73
180	

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