

PROJECT INFORMATION

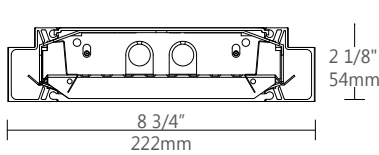
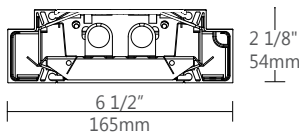
Project:

Type:

Notes:

DIMENSIONS

SECTION VIEWS



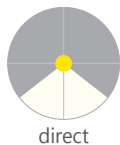
ORDERING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 OPTICS	3 LENGTH/FT	4 LAMP	5 LAMP CONFIGURATION	6 FINISH
CUS surface wide	PL semi spec. para. louvers	4 4'	T5 T5	2 2 lamps	AP aluminum paint
CUBS surface narrow	SB white solid baffles	8 8'	T5HO T5HO		W white
		12 12'			BLK black
		S# System Run			C custom
7 UP LIGHT REFLECTOR	8 DOWN LIGHT REFLECTOR	9 VOLTAGE	10 BALLAST	11 CIRCUITS	
0 no reflector	BK blank ⁽¹⁾	120 120V	D dimming	1 1 regular	
		277 277V	E instant start ⁽³⁾	2 2 regular	
		347 347V ⁽²⁾	ERS program start	2A/B 2 alternating	
		UNV universal	BI bi-level dimming	+E(#) emergency section ⁽⁴⁾	
				+NL(#) night light section ⁽⁴⁾	
				+GTD(#) generator transfer device ⁽⁴⁾	
	(1) Available for all optics	(2) Consult factory	(3) Available with T8 lamp only	(4) Specify quantity	
12 MOUNTING/SUSPENSION	13 BATTERY (OPTIONAL)	14 OTHER (OPTIONAL)	15 IC CONTROLS (OPTIONAL)	16 CUSTOM (OPTIONAL)	
S surface drywall ceiling	B# battery pack 4' sections	F fuse ⁽⁵⁾	DS# daylight sensor	C custom	
SB surface t-bar ceiling		FW(#) flex whip (6' std) ⁽⁶⁾	OS# occupancy sensor		
SC surface solid ceiling			DOS# daylight&occupancy sensor		
See spec sheet for further details	Requires 120V or 277V Please consult factory	(5) Requires 120V or 277V (6) Specify quantity Please consult factory	Requires 8" blank. Specify quantity See integrated controls guide for further details	Please specify	

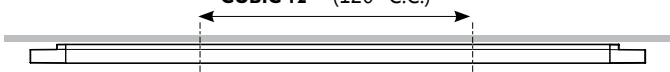
● LIGHT DISTRIBUTION



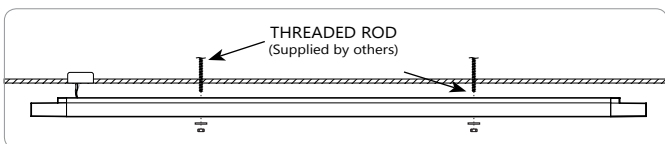
● MOUNTING SPACING

Between Mounting Points:

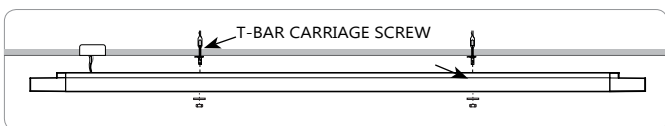
- CUBIC 4'** (24" C.C.)
- CUBIC 8'** (72" C.C.)
- CUBIC 12'** (120" C.C.)



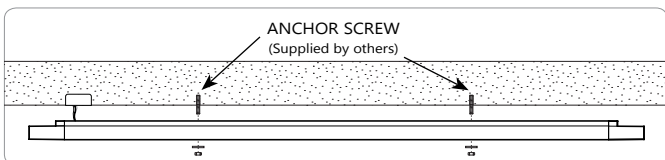
● MOUNTING DETAILS



S SURFACE MOUNT DRYWALL CEILING



SB SURFACE MOUNT T-BAR CEILING

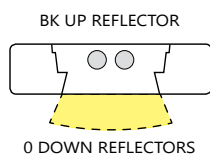


SC SURFACE MOUNT SOLID CEILING

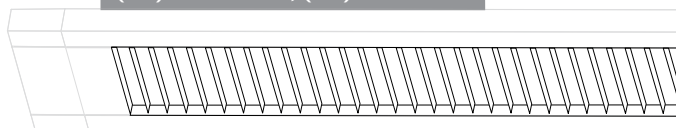
i Installation sheets for all mounting options are available at: www.axislighting.com

● OPTICAL OPTIONS

A blank up reflector is used to give a 100% downlight distribution for surface mount options.



(PL) LOUVERS, (SB) BAFFLES



● CONSTRUCTION

- End Cap** Die cast zinc (0.100" nominal)
- Side Profile** Extruded aluminum (0.060" nominal)
- Louvers** Die formed semi-specular aluminum (22 gauge)
- Baffles** Die formed aluminum (22 gauge) powder painted white
- Interior Brackets** Die formed sheet steel (12 gauge)

● WEIGHT

CU - WIDE

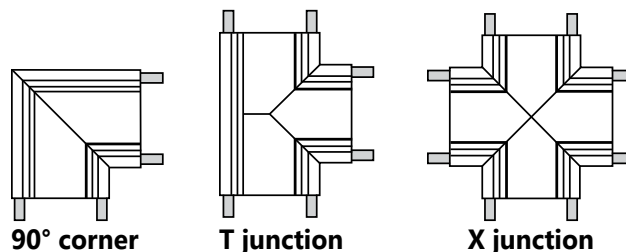
- CU 4 ft** 13 lbs / 5.7 kg
- CU 8 ft** 20 lbs / 9.3 kg
- CU 12 ft** 33 lbs / 15.0 kg

CUB - NARROW

- CUB 4 ft** 12 lbs / 5.6 kg
- CU 8 ft** 20 lbs / 9.1 kg
- CU 12 ft** 31 lbs / 14.1 kg

● CORNER SPECIFICATION

In addition to individual pendants and linear runs, the CUBIC luminaire can be specified with 90 degree corner, T or X junctions.



All systems requiring corner units must be specified as such at the time of order. Existing linear systems or luminaires cannot have corners added at a later date.

i Specifications sheets for all corner specification are available at: www.axislighting.com

● FINISH

Aluminium paint, Powder Coated and custom finishes are also available.

● ELECTRICAL

- Ballast** Electronic IS, Electronic Rapid Start, Dimming (0-10V, Line, EcoSystem, DALI), BI-level dimming
With preinstalled ballast disconnect as per NEC & CEC
- Emergency** Emergency battery pack or emergency circuit
- Voltage** 120V, 277V, 347V, UNV

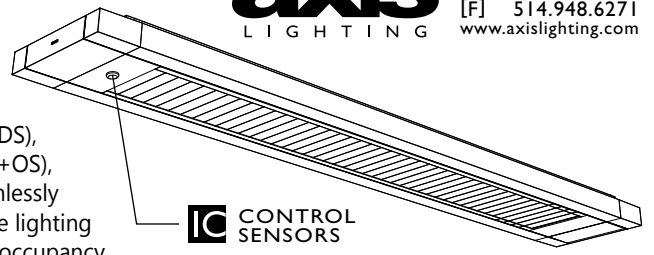
● APPROVALS

Certified to UL and CUL standards ^{US}
 Meets NYC requirements
 Suitable for damp locations.

● OTHER MOUNTING OPTIONS

CUBIC is also available with wall and pendant options.

i Specification sheets for wall and pendant CUBIC luminaires are available for download at www.axislighting.com



● INTEGRATED CONTROL OPTIONS

CUBIC luminaires allow the use of integrated controls such as daylight sensors (DS), occupancy sensors (OS), individual daylight sensors and occupancy sensors (DS+OS), and combination daylight/occupancy sensors (DOS). These options can be seamlessly integrated into our luminaires. The control system could be used to optimize the lighting of the space by reducing energy consumption through daylight harvesting and occupancy, thereby improving the overall interior environment and allowing for LEED credits.

- Consult factory for other options.
- Refer to IC brochure for more information.

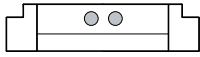
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed Rapid Start
		FS-155	PIR Occupancy	WP3	Programmed Rapid Start
		FS-505	Ultrasonic Occupancy	WU1	Programmed Rapid Start
		FS-505C	Ultrasonic Occupancy	WU2	Programmed Rapid Start
		FM-105	High Frequency Occupancy	WH	Programmed Rapid Start
Daylight & Occupancy Sensors (DOS)	Philips	Actilume	Daylight & PIR Occupancy	PA	DALI or 0-10V



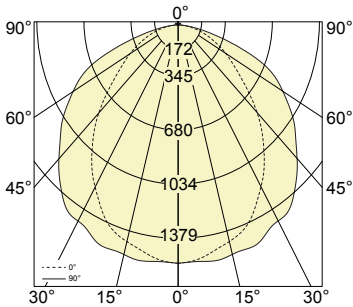
PHOTOMETRIC DATA

CUBIC WIDE

2 T5



PHOTOMETRIC CURVE



Test Lamp: 2xF28T5

IES FILE: CU-SB-4-T5-2-0-BK-0-100

Efficiency: 73.1%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1550	1550	1550	1550	1550	
5	1528	1542	1526	1512	1544	73
15	1431	1431	1470	1496	1525	208
25	1234	1257	1340	1430	1443	311
35	972	1029	1130	1251	1321	358
45	677	727	851	1000	1085	335
55	432	451	555	756	867	271
65	269	278	320	483	625	190
75	141	146	162	206	244	94
85	42	43	45	47	49	25
90	7	8	6	6	5	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	87	87	87	87	85	85	85	85	80	80	80
1	80	77	74	70	78	75	72	69	71	69	66
2	73	67	63	57	71	66	62	56	63	60	55
3	67	60	54	48	65	59	53	47	56	52	46
4	62	53	47	41	60	52	47	40	50	45	40
5	57	48	42	35	55	47	41	35	45	40	35
6	53	43	37	31	51	43	37	31	41	36	30
7	49	39	33	27	48	39	33	27	38	32	27
8	46	36	30	24	44	36	30	24	34	29	24
9	43	33	27	22	42	33	27	22	32	27	22
10	40	31	25	20	39	30	25	20	29	25	20

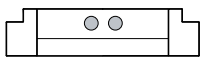
Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

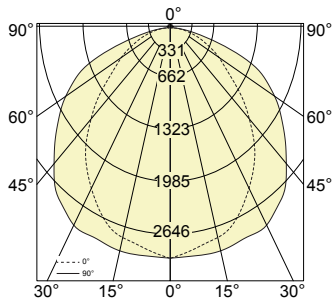
Vertical Angle	Horizontal Angles		
	0	45	90
45	7104	8926	11382
55	5581	7181	11214
65	4729	5623	10966
75	4045	4635	6986
85	3559	3793	4189

CUBIC WIDE

2 T5HO



PHOTOMETRIC CURVE



Test Lamp: 2xF54T5HO

IES FILE: CU-SB-4-T5HO-2-0-BK-0-100

Efficiency: 73.1%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2977	2977	2977	2977	2977	
5	2894	2923	2955	2972	2965	141
15	2737	2767	2813	2888	2933	401
25	2349	2411	2574	2712	2853	596
35	1887	1954	2169	2412	2564	689
45	1323	1424	1645	1925	2095	649
55	831	861	1077	1438	1677	520
65	520	545	617	929	1210	367
75	270	279	306	388	459	177
85	84	82	84	94	95	48
90	12	12	13	11	10	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	87	87	87	87	85	85	85	85	81	81	81
1	80	77	74	70	78	75	72	69	72	69	66
2	73	68	63	57	71	66	62	57	63	60	55
3	67	60	54	48	65	59	53	47	56	52	47
4	62	53	47	41	60	52	47	40	50	45	40
5	57	48	42	35	55	47	41	35	45	40	35
6	53	43	37	31	51	43	37	31	41	36	30
7	49	39	33	27	48	39	33	27	38	32	27
8	46	36	30	24	44	36	30	24	34	29	24
9	43	33	27	22	42	33	27	22	32	27	22
10	40	31	25	20	39	30	25	20	29	25	20

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	13874	17258	21968
55	10739	13921	21679
65	9119	10819	21227
75	7734	8757	13148
85	7176	7172	8074

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