

● **PROJECT INFORMATION**

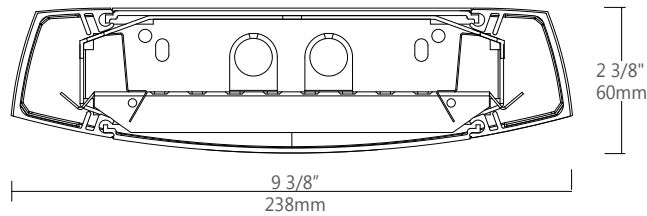
Project:

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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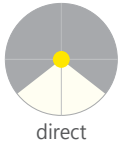
● **PRODUCT SPECIFICATIONS**

1 PRODUCT ID	2 OPTICS	3 LENGTH/FT	4 LAMP	5 LAMP CONFIGURATION	6 FINISH
101CS surface curved	PL semi spec. para. louvers SB white solid baffles	4 4' 8 8' 12 12' S# System Run	T5 T5 T5HO T5HO	2 2 lamps	AP aluminum paint W white BLK black C custom

7 UP LIGHT REFLECTOR	8 DOWN LIGHT REFLECTOR	9 VOLTAGE	10 BALLAST	11 CIRCUITS	12 MOUNTING/SUSPENSION
0 no reflector	BK blank ⁽¹⁾	120 120V 277 277V 347 347V ⁽²⁾ UNV universal	D dimming E instant start ⁽³⁾ ERS program start BI bi-level dimming	1 1 regular 2 2 regular 2A/B 2 alternating +E(#) emergency section ⁽⁴⁾ +NL(#) night light section ⁽⁴⁾ +GTD(#) generator transfer device ⁽⁴⁾	S surface drywall ceiling SB surface t-bar ceiling SC surface solid ceiling
	(1) Available for all optics	(2) Consult factory	(3) Available with T8 lamp only	(4) Specify quantity	See spec sheet for further details

13 BATTERY (OPTIONAL)	14 OTHER (OPTIONAL)	15 IC CONTROLS (OPTIONAL)	16 CUSTOM (OPTIONAL)
B# battery pack 4' sections	F fuse ⁽⁵⁾ FW(#) flex whip (6' std)	DS# daylight sensor OS# occupancy sensor DOS# daylight&occupancy sensor	C custom
Requires 120V or 277V Please consult factory	(5) Requires 120V or 277V Please consult factory	Requires 8" blank. Specify quantity See integrated controls guide for further details	Please specify

● LIGHT DISTRIBUTION



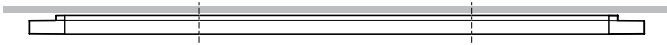
● MOUNTING SPACING

Between Mounting Points:

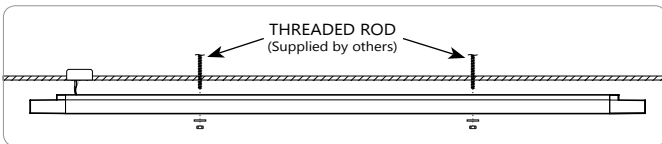
101 4' (24" C.C.)

101 8' (72" C.C.)

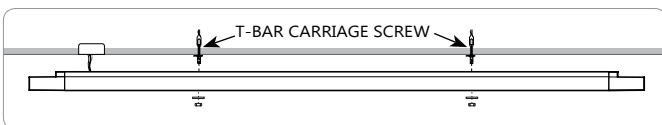
101 12' (120" C.C.)



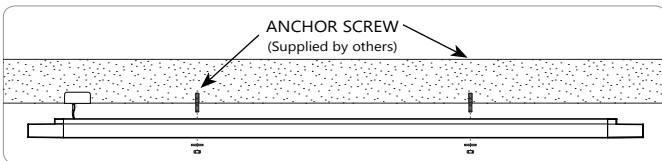
● MOUNTING DETAILS



S SURFACE MOUNT DRYWALL CEILING



SB SURFACE MOUNT T-BAR CEILING

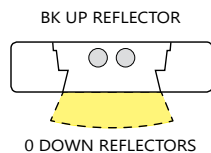


SC SURFACE MOUNT SOLID CEILING

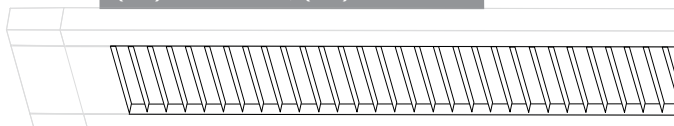
i Installation sheets for all mounting options are available at: www.axislighting.com

● OPTICAL OPTIONS

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



(PL) LOUVERS, (SB) BAFFLES



i IES files and specific Light Distribution for baffles and louvers are available at: www.axislighting.com

● OTHER MOUNTING OPTIONS

101 is also available with wall and pendant options.

i Specification sheets for wall and pendant 101 luminaires are available for download at www.axislighting.com

● 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

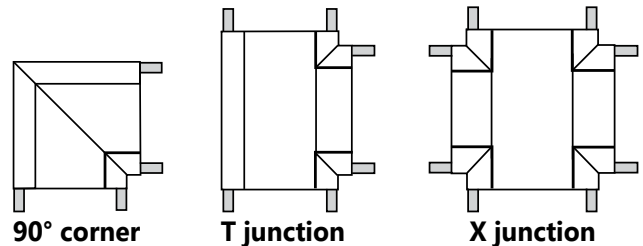
101 4 ft 12 lbs / 5.5 kg

101 8 ft 21 lbs / 9.4 kg

101 12 ft 33 lbs / 14.8 kg

● CORNER SPECIFICATION

In addition to individual pendants and linear runs, the 101 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

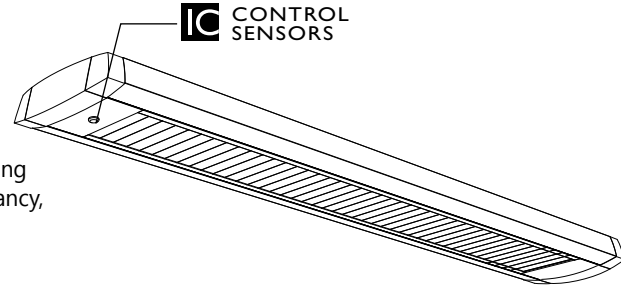
Ballast	Electronic IS, Electronic Rapid Start, Dimming (0-10V, Line, EcoSystem, DALI), BI-level dimming With preinstalled ballast disconnect as per NEC & CEC
Emergency	Emergency battery pack or emergency circuit
Voltage	120V, 277V, 347V, UNV

● APPROVALS

Certified to UL and CUL standards
 Meets NYC requirements
 Suitable for damp locations.

● INTEGRATED CONTROL OPTIONS

101 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.

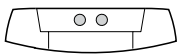


- Consult factory for other options.
- Refer to IC brochure for more information.

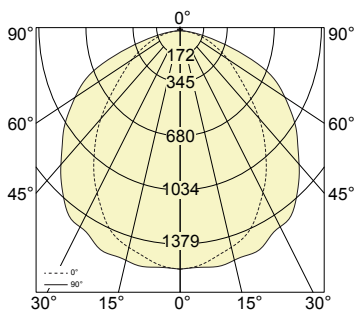
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed 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

2 T5



PHOTOMETRIC CURVE



Test Lamp: 2x F28T5

IES FILE: 101-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	

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

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

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