



SURFACE MOUNT

PROJECT INFORMATION

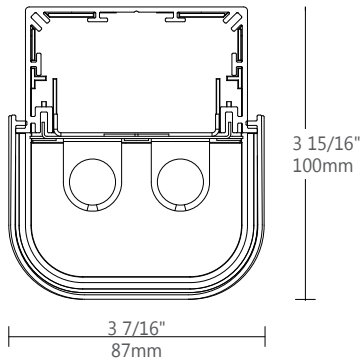
Project:

Type:

Notes:

DIMENSIONS

END VIEW



ORDERING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 OPTICS	3 LENGTH/FT	4 LAMP	5 LAMP CONFIGURATION	6 FINISH	7 VOLTAGE
ARS air surface	S satin lens	3 3' 4 4' 6 6' 8 8' 12 12' S# System Run	T5 T5 T5HO T5HO T8 T8	1 1 lamp 2 2 lamps	AP aluminum paint W white BLK Black C custom	120 120V 277 277V 347 347V ⁽¹⁾ UNV universal

(1) Consult factory

8 BALLAST	9 CIRCUITS	10 MOUNTING/SUSPENSION	11 BATTERY (OPTIONAL)	12 OTHER (OPTIONAL)
D dimming E instant start ⁽²⁾ ERS program start BI bi-level dimming	1 1 regular 2 2 regular 2A/B 2 alternating +E(#) emergency section ⁽³⁾ +NL(#) night light section ⁽³⁾ +GTD(#) generator transfer device ⁽³⁾	S surface drywall ceiling SB surface t-bar ceiling SC surface solid ceiling	B# battery pack 4' sections	F fuse

(2) Available with T8 lamp only

(3) Specify quantity

Requires 120V or 277V
Please consult factory

Requires 120V or 277V
Please consult factory

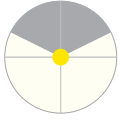
13 IC CONTROLS (OPTIONAL)	14 CUSTOM (OPTIONAL)
DS# daylight sensor OS# occupancy sensor DOS# daylight&occupancy sensor	C custom
Requires 8" blank. Specify quantity See integrated controls guide for further details	Please specify





SURFACE MOUNT

● LIGHT DISTRIBUTION

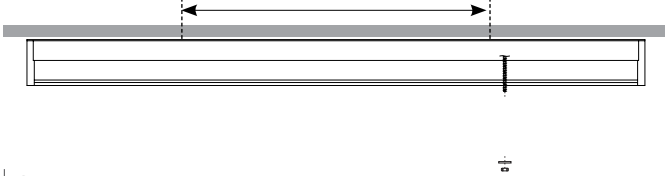


semi-direct

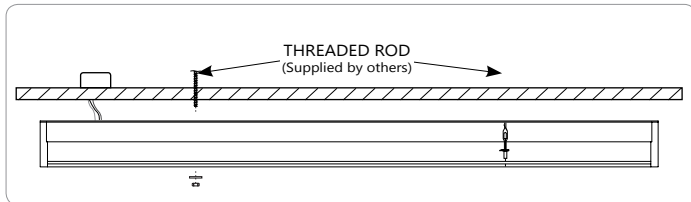
● MOUNTING SPACING

Between Mounting Points:

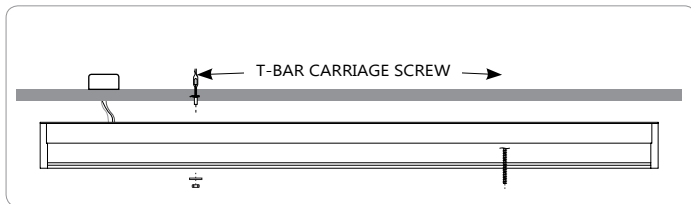
- AIR 4'** (24" C.C.)
- AIR 8'** (72" C.C.)
- AIR 12'** (120" C.C.)



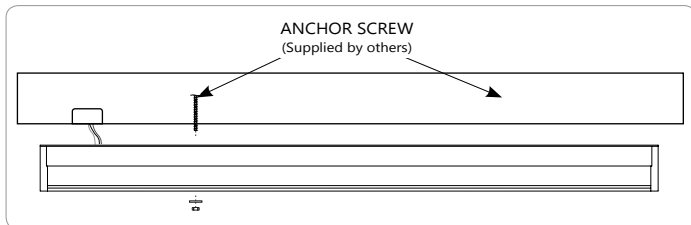
● MOUNTING DETAILS



S SURFACE MOUNT DRYWALL CEILING



SB SURFACE MOUNT ON GRID T-BAR CEILING



SC SURFACE MOUNT SOLID CEILING

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

● SYSTEMS (S#)

Runs of AIR that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination of sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the AIR installation sheets available for download at www.axislighting.com

● OTHER MOUNTING OPTIONS

AIR is also available in pendant and wall mounted options.

i Specification sheets for all mounting options are available for download at www.axislighting.com

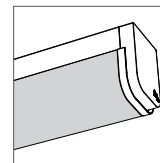
● CONSTRUCTION

- Housing** Extruded aluminium (0.070" nominal)
- Up to 70% recycled content**
- End Cap** Die cast zinc (0.080" nominal)
- Joiners** Die cast zinc (0.065" nominal)
- Interior Brackets** Die formed Sheet Steel (18 gauge)
- Reflectors** Die formed Sheet Steel (22 gauge)
- Lens joiners** Die cast zinc (0.125" nominal)
- Satin lens** Acrylic satin finish (0.060" nominal)

● WEIGHT

	WEIGHT
AIR 4 ft	9.5 lbs / 4.3 Kg
AIR 8 ft	19 lbs / 8.6 Kg
AIR 12 ft	28.5 lbs / 12.9 Kg

● OPTICAL SYSTEM



S satin lens

PMMA satin finish (0.060" nominal)

With efficiencies exceeding 80%, Air delivers softly diffused and ample illumination with a Satin lens which provides maximum glare reduction and light uniformity.

● 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 Suitable for damp locations.



SURFACE MOUNT



● INTEGRATED CONTROL OPTIONS

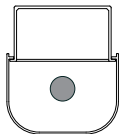
AIR luminaires allow the use of integrated controls such as daylight sensors (DS), occupancy sensors (OS), individual daylight sensors and occupancy sensors (DS+OS), and combination daylight/occupancy sensors (DOS). These options can be seamlessly integrated into our luminaires. The control system could 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.

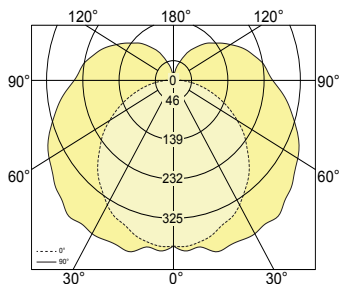
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed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

I T5



PHOTOMETRIC CURVE



Test Lamp: 1xT5

IES FILE: AR-S-4-T5-1.ies

Efficiency: 83.4 %

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	23	45	68	90	
0	391	391	391	391	391	
5	393	391	400	402	404	21
15	378	392	400	406	418	94
25	355	369	391	417	415	165
35	318	345	377	404	412	222
45	274	306	353	386	403	262
55	221	263	320	368	379	279
65	158	211	282	332	355	273
75	95	155	237	294	316	245
85	40	107	193	253	276	205
90	20	88	173	234	255	
95	16	78	163	222	242	168
105	12	65	144	199	217	145
115	11	56	122	168	187	117
125	9	46	99	140	153	90
135	9	37	79	111	124	63
145	7	29	60	85	93	40
155	5	19	40	56	62	21
165	4	12	23	30	34	8
175	4	6	9	10	11	2
180	4	4	4	4	4	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50					
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	94	94	94	94	90	90	90	90	81	81	81	81	81	81
1	83	78	73	69	79	74	70	66	66	63	60	66	63	60
2	74	66	60	54	70	63	57	52	56	52	47	52	49	43
3	67	57	50	44	63	54	47	42	49	43	38	42	37	32
4	61	50	42	36	57	48	40	35	43	37	32	37	32	27
5	56	44	36	30	52	42	35	29	38	32	27	32	27	22
6	51	40	32	26	48	38	30	25	34	28	23	28	23	18
7	47	36	28	23	45	34	27	22	31	25	20	25	20	15
8	44	32	25	20	41	31	24	19	28	22	18	22	18	14
9	41	29	22	18	39	28	22	17	26	20	16	20	16	12
10	38	27	20	16	36	26	19	15	24	18	14	18	14	10

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3364	2510	2491
55	3229	2338	2350
65	2974	2184	2281
75	2626	2023	2167
85	2197	1903	2103

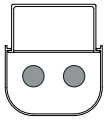
i All IES files are available for download at: www.axislighting.com



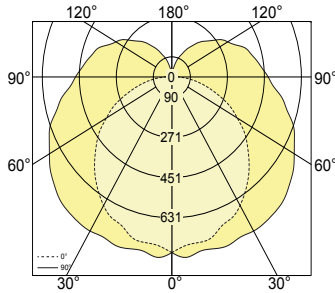


PHOTOMETRIC DATA

2 T5



PHOTOMETRIC CURVE



Test Lamp: 2xT5

IES FILE: AR-S-4-T5-2.ies

Efficiency: 78.8 %

CANDELA DISTRIBUTION

Table with 7 columns: Vertical Angle, Horizontal Angles (0, 23, 45, 68, 90), and Zonal Lumens. Rows range from 0 to 180 degrees vertical angle.

COEFFICIENTS OF UTILIZATION (%)

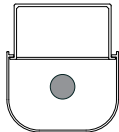
Table with 4 columns: Ceiling, 80, 70, 50. Rows show Wall and Ceiling utilization percentages for various vertical angles.

Based on floor reflectance of 20

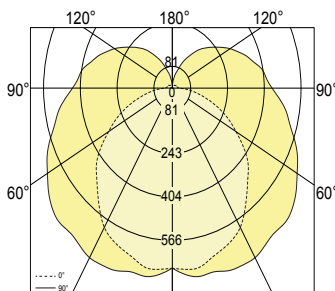
LUMINANCE DATA (CD/M²)

Table with 3 columns: Vertical Angle, Horizontal Angles (0, 45, 90). Rows show luminance values for vertical angles 45, 55, 65, 75, 85.

1 T5HO



PHOTOMETRIC CURVE



Test Lamp: 1xT5HO

IES FILE: AR-S-4-T5HO-1.ies

Efficiency: 83.4 %

CANDELA DISTRIBUTION

Table with 7 columns: Vertical Angle, Horizontal Angles (0, 23, 45, 68, 90), and Zonal Lumens. Rows range from 0 to 180 degrees vertical angle.

COEFFICIENTS OF UTILIZATION (%)

Table with 4 columns: Ceiling, 80, 70, 50. Rows show Wall and Ceiling utilization percentages for various vertical angles.

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Table with 3 columns: Vertical Angle, Horizontal Angles (0, 45, 90). Rows show luminance values for vertical angles 45, 55, 65, 75, 85.

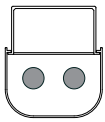
All IES files are available for download at: www.axislighting.com



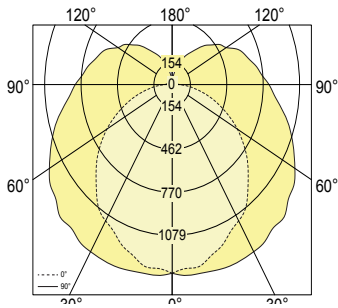


PHOTOMETRIC DATA

2 T5HO



PHOTOMETRIC CURVE



Test Lamp: 2x F54T5HO

IES FILE: AR-S-4-T5HO-2.ies

Efficiency: 78.8 %

CANDELA DISTRIBUTION

Table with 6 columns: Vertical Angle, Horizontal Angles (0, 23, 45, 68, 90), and Zonal Lumens. Rows range from 0 to 180 degrees vertical angle.

COEFFICIENTS OF UTILIZATION (%)

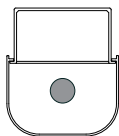
Table with 4 columns: Ceiling, 80, 70, 50. Rows include Wall and 0-10 degree vertical angles.

Based on floor reflectance of 20

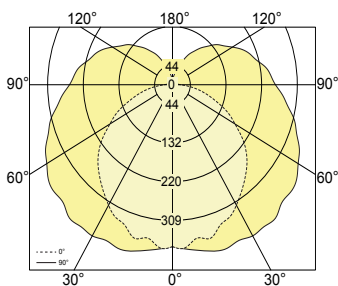
LUMINANCE DATA (CD/M²)

Table with 3 columns: Vertical Angle, Horizontal Angles (0, 45, 90). Rows range from 45 to 85 degrees vertical angle.

1 T8



PHOTOMETRIC CURVE



Test Lamp: 1x F03231

IES FILE: AR-S-4-T8-1.ies

Efficiency: 81.0 %

CANDELA DISTRIBUTION

Table with 6 columns: Vertical Angle, Horizontal Angles (0, 23, 45, 68, 90), and Zonal Lumens. Rows range from 0 to 180 degrees vertical angle.

COEFFICIENTS OF UTILIZATION (%)

Table with 4 columns: Ceiling, 80, 70, 50. Rows include Wall and 0-10 degree vertical angles.

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Table with 3 columns: Vertical Angle, Horizontal Angles (0, 45, 90). Rows range from 45 to 85 degrees vertical angle.

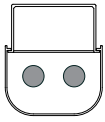
All IES files are available for download at: www.axislighting.com



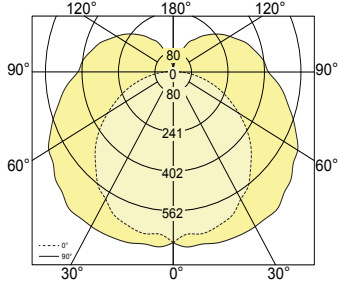


PHOTOMETRIC DATA

2 T8



PHOTOMETRIC CURVE



Test Lamp: 2xFO3231

IES FILE: AR-S-4-T8-2.ies

Efficiency: 71.6 %

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	23	45	68	90	
0	691	691	691	691	691	
5	660	710	708	696	711	38
15	661	680	696	717	718	165
25	631	654	695	719	723	288
35	572	604	660	707	719	390
45	487	532	618	672	691	457
55	390	454	554	627	645	484
65	277	363	480	567	598	469
75	171	266	403	497	525	417
85	72	178	327	420	458	344
90	34	146	290	386	419	
95	24	131	268	367	405	277
105	22	109	240	328	363	240
115	20	96	208	285	313	199
125	18	78	172	243	265	153
135	15	65	139	190	212	109
145	14	49	104	147	159	70
155	11	34	70	99	103	38
165	10	23	41	54	55	15
175	5	8	14	18	17	3
180	6	6	6	6	6	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80												70												50											
	70	50	30	10	70	50	30	10	50	30	10	70	50	30	10	50	30	10	70	50	30	10														
0	81	81	81	81	77	77	77	77	70	70	70	81	81	81	81	77	77	77	77	70	70	70														
1	71	67	63	60	68	64	60	57	57	55	52	71	67	63	60	68	64	60	57	57	55	52														
2	64	57	51	47	60	54	49	45	49	45	41	64	57	51	47	60	54	49	45	49	45	41														
3	58	49	43	38	54	47	41	36	42	37	33	58	49	43	38	54	47	41	36	42	37	33														
4	53	43	36	31	49	41	35	30	37	32	28	53	43	36	31	49	41	35	30	37	32	28														
5	48	38	31	26	45	36	30	25	33	28	23	48	38	31	26	45	36	30	25	33	28	23														
6	44	34	27	23	42	32	26	22	29	24	20	44	34	27	23	42	32	26	22	29	24	20														
7	41	31	24	20	38	29	23	19	27	21	18	41	31	24	20	38	29	23	19	27	21	18														
8	38	28	22	17	36	27	21	17	24	19	16	38	28	22	17	36	27	21	17	24	19	16														
9	35	25	19	15	33	24	19	15	22	17	14	35	25	19	15	33	24	19	15	22	17	14														
10	33	23	18	14	31	22	17	13	20	16	12	33	23	18	14	31	22	17	13	20	16	12														

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	5780	4245	4127
55	5542	3911	3868
65	5074	3604	3708
75	4604	3332	3483
85	3928	3114	3378

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

