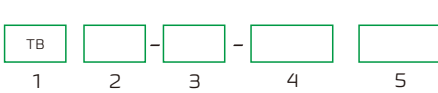




Product Ordering Guide

Sample

TB2 - DM-35U



1. Base Model

TB

2. Length & Wattage

- 2 2' 10w
 4 4' 20w

3. Dimming

0-10V (12%-100%)

4. CCT

- 30 3000K
 35 3500K
 40 4000K
 50 5000K

5. Grid Type

- F 9/16" Flat
 S 9/16" Slot
 I 9/16" Interlude
 U 15/16" Flat

Optional Ordering Guide

Optional

- Emergency
 CCEA
 24VDC

T-GRID LED

Architectural Linear

Specification

TB-DM-XXF (9/16" Flat)



TB-DM-XXS (9/16" Slot)








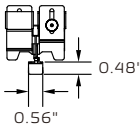
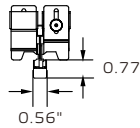
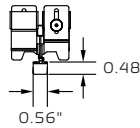
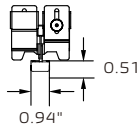


TB-DM-XXI (9/16" Interlude)



TB-DM-XXU (15/16" Flat)



	9/16" Flat	9/16" Slot	9/16" Interlude	15/16" Flat
T-grids Ceiling Compatibility	 Suprafine® XL	 Silhouette® 1/4" XL  Silhouette® 1/8" XL	 Interlude® XL  Sonata® XL	 Prelude® XL  Clean Room
Size				
Lengths Wattages Lumen	2ft 10w 1100lm 4ft 20w 2200lm	2ft 10w 1100lm 4ft 20w 2200lm	2ft 10w 1100lm 4ft 20w 2200lm	2ft 10w 1300lm 4ft 20w 2600lm
Efficacy	>110 lm/w	>110 lm/w	>110 lm/w	>130 lm/w
120° Beam Angle	✓	✓	✓	✓
100-277V AC Input	✓	✓	✓	✓
24V DC options	✓	✓		✓
Custom Pattern	✓			✓
Plenum Rated Cable	✓	✓	✓	✓
Emergency Option	✓	✓	✓	✓
CCEA Option	✓			✓
UL/CUL	✓	✓	✓	✓
DLC	✓ (Standard)			✓ (Premium)

Note: Suprafine®, Silhouette®, Interlude®, Sonata®, Prelude®, are trademarks of Armstrong World Industries (AWI) company.

Performance Summary

CCT: 3000K / 3500K / 4000K / 5000K
CRI: Ra ≥ 80
THD: < 20%
Power Factor: > 0.9
Driver: 1 for 3 units
Dimming: 0-10v dimming (12%-100%)
Standard Lifetime: Designed to L70 minimum 50,000 hours
Tested Dimmers: Lutron® Diva-Dvtv, Leviton® IP-710-DL
Warranty: 5 years limited
Mounting: Recessed

Regulatory & Voluntary Qualifications

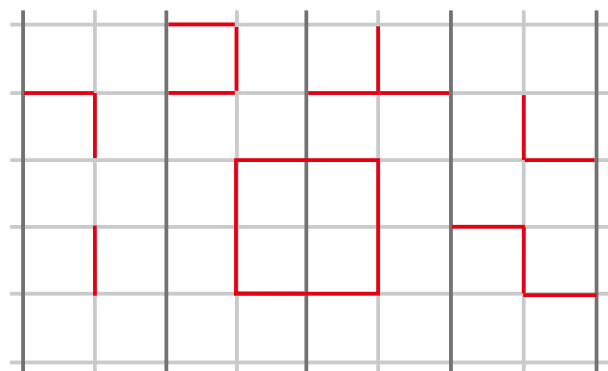
US Patent	10125934
UL Listed	Yes
DLC Qualifications	Yes
CCEA	Yes
LM79 Report	Yes
Damp Rated	Yes
IC Rated	Yes

Custom Pattern

Only for TB-DM-XXF (Flat) and TB-DM-XXU



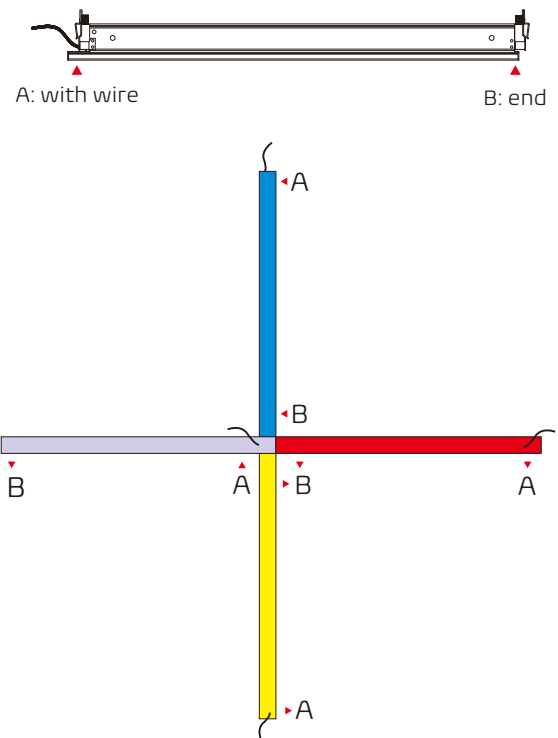
T-Grid LED can be installed in many configurations by replacing any of the cross tees between the main runners of the grid ceiling assembly.



- Examples of configurations
- Possible positions for T-grid LED light modules
- One-piece main runner cannot be replaced

It is free to create compelling spaces, and your space no longer has to be restricted to a single pattern on the ceiling. Custom pattern such as "L", "T", "+", "□" etc.

Custom Pattern Version



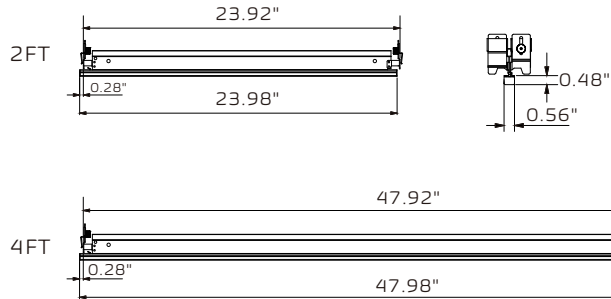
Remark: Only one A-end with wire in joint

T-GRID LED

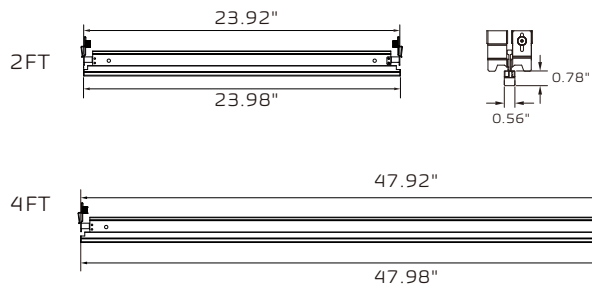
Architectural Linear

Dimension

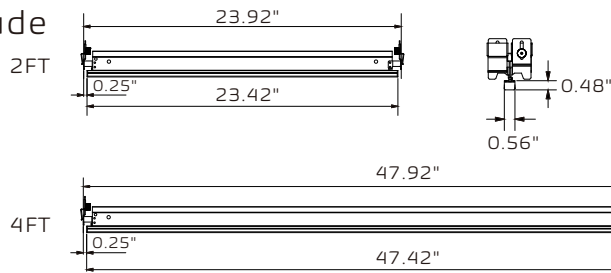
9/16" Flat



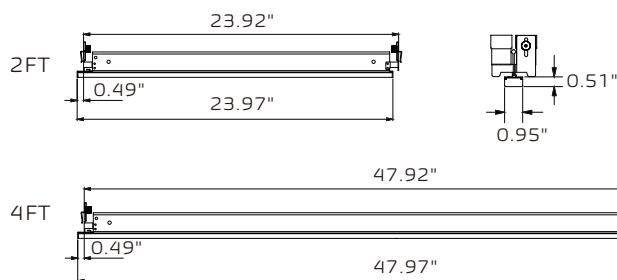
9/16" Slot



9/16" Interlude



15/16" Flat



T-GRID LED

Architectural Linear

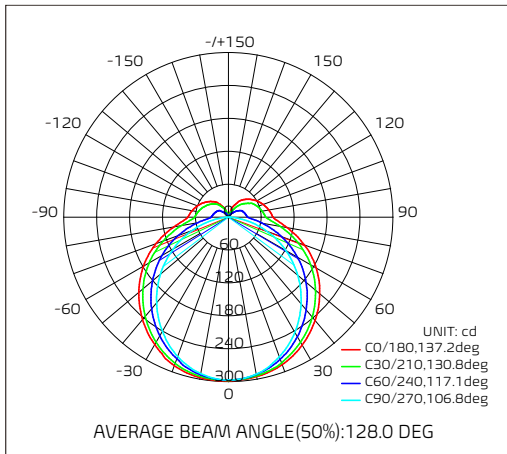
9/16" Flat

PHOTOMETRY

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

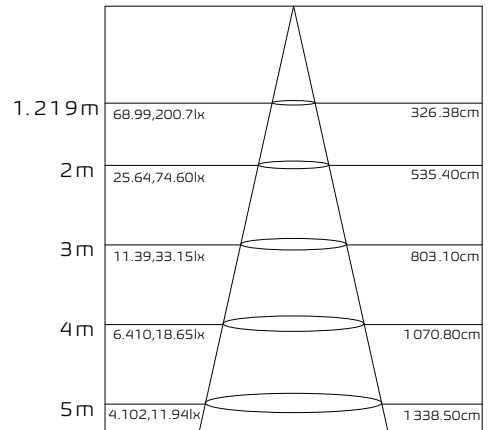
Luminous Intensity Distribution Diagram

TB2-DM-XXF (Flat)



Average Illuminance Curve

Flux out: 6103. lm



Height Eavg, Emax Angle: 106.47 deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	295.2	292.6	290.7	293.3	297.1	293.3	289.8	291.5
20	286.2	279.0	271.0	280.0	288.2	279.9	270.3	277.1
30	269.2	258.0	242.3	258.0	268.8	257.4	240.8	255.3
40	245.7	230.0	206.2	228.6	243.6	227.7	203.8	226.8
50	217.4	197.1	165.0	193.9	213.5	192.9	162.2	193.4
60	184.6	160.2	120.7	155.5	178.9	154.1	116.3	155.9
70	147.0	120.1	74.5	114.2	140.2	112.6	69.35	115.5
80	108.2	79.96	29.44	73.39	100.4	72.28	24.87	75.81
90	81.66	53.09	0.0606	46.95	74.29	48.08	0.0211	48.83
DEG	LUMINOUS INTENSITY: cd							

Zonal Lumen Summary

T	φzone	φtotal	%lum, lamp
0-10	28.15	28.15	2.4, 0.42
10-20	81.06	109.2	9.3, 1.63
20-30	123.8	233.0	19.8, 3.47
30-40	151.5	384.5	32.7, 5.73
40-50	162.0	546.5	46.5, 8.15
50-60	155.1	701.6	59.7, 10.5
60-70	132.0	833.6	79.2, 13.9
70-80	96.80	930.4	84.4, 14.8
80-90	60.91	991.3	88.4, 15.5
UNIT: lm			

Coefficients Of Utilization

ppc	80%		70%		50%		30%		10%		0					
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0			
pfc	20%		20%		20%		20%		20%		0					
RCR	RCR: Room Cavity Ratio				(CU)											
0.0	20	20	20	19	19	19	18	18	18	17	17	17	15	15	15	15
1.0	17	16	15	16	16	15	15	15	14	14	14	13	13	13	12	12
2.0	15	13	12	14	13	12	13	12	11	12	11	11	11	11	10	9
3.0	13	11	10	12	11	10	11	10	9	11	10	9	10	9	8	8
4.0	11	10	8	11	9	8	10	9	8	9	8	7	9	8	7	7
5.0	10	8	7	10	8	7	9	8	7	8	7	6	8	7	6	6
6.0	9	7	6	9	7	6	8	7	6	8	6	5	7	5	5	5
7.0	8	7	6	8	6	5	7	6	5	7	6	5	6	5	5	4
8.0	7	6	5	7	6	5	7	5	5	6	5	4	6	5	4	4
9.0	7	5	4	7	5	4	6	5	4	6	5	4	5	4	4	3
10.0	6	5	4	6	5	4	6	5	4	5	4	4	5	4	3	3

T-GRID LED

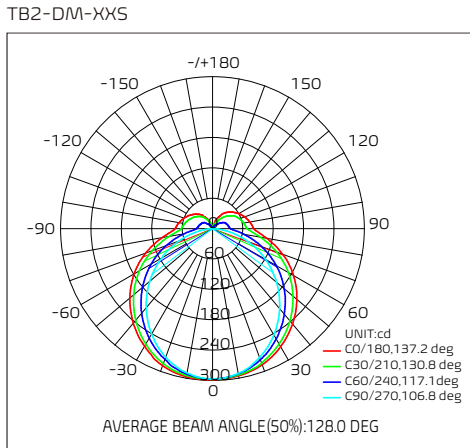
Architectural Linear

9/16" Slot

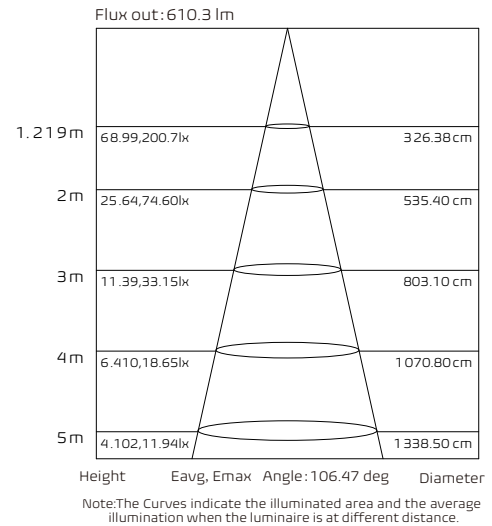
Photometry

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Luminous Intensity Distribution Diagram



Average Illuminance Curve



Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	295.2	292.6	290.7	293.3	297.1	293.3	289.8	291.5
20	286.2	279.0	271.0	280.0	288.2	279.9	270.3	277.1
30	269.2	258.0	242.3	258.0	268.8	257.4	240.8	255.3
40	245.7	230.0	206.2	228.6	243.6	227.7	203.8	226.8
50	217.4	197.1	165.0	193.9	213.5	192.9	162.2	193.4
60	184.6	160.2	120.7	155.5	178.9	154.1	116.3	155.9
70	147.0	120.1	74.5	114.2	140.2	112.6	69.35	115.5
80	108.2	79.96	29.44	73.39	100.4	72.28	24.87	75.81
90	81.66	53.09	0.0606	46.95	74.29	48.08	0.0211	48.83

DEG LUMINOUS INTENSITY:cd

Zonal Lumen Summary

T	φzone	φtotal	φlum, lamp
0-10	28.15	28.15	2,40,42
10-20	81.06	109.2	9,3,1,63
20-30	123.8	233.0	19,8,3,47
30-40	151.5	384.5	32,7,5,73
40-50	162.0	546.5	46,5,8,15
50-60	155.1	701.6	59,7,10,5
60-70	132.0	833.6	79,2,13,9
70-80	96.80	930.4	84,4,14,8
80-90	60.91	991.3	88,4,15,5

UNIT:lm

Coefficients Of Utilization

ppc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	20%															0
pfc	20%															0
RCR	RCR:Room Cavity Ratio (CU)															0
0.0	20	20	20	19	19	19	18	18	18	17	17	17	15	15	15	15
1.0	17	16	15	16	16	15	15	15	14	14	14	13	13	13	12	12
2.0	15	13	12	14	13	12	13	12	11	12	11	11	11	11	10	9
3.0	13	11	10	12	11	10	11	10	9	11	10	9	10	9	8	8
4.0	11	10	8	11	9	8	10	9	8	9	8	7	9	8	7	7
5.0	10	8	7	10	8	7	9	8	7	8	7	6	8	7	6	6
6.0	9	7	6	9	7	6	8	7	6	8	6	5	7	5	5	5
7.0	8	7	6	8	6	5	7	6	5	7	6	5	6	5	5	4
8.0	7	6	5	7	6	5	7	5	5	6	5	4	6	5	4	4
9.0	7	5	4	7	5	4	6	5	4	6	5	4	5	4	4	3
10.0	6	5	4	6	5	4	6	5	4	5	4	4	5	4	3	3

T-GRID LED

Architectural Linear

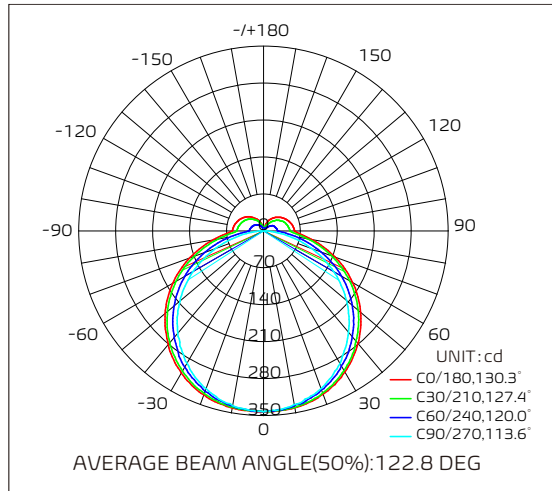
15/16" Flat

Photometry

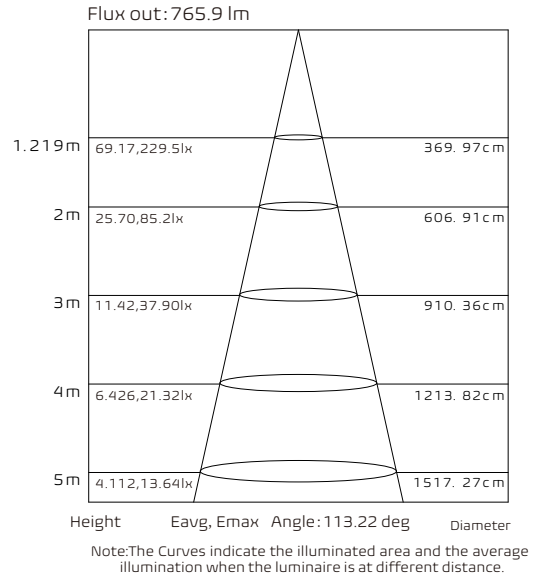
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Luminous Intensity Distribution Diagram

TB2-DM-XXU



Average Illuminance Curve



Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	340.3	337.3	334.0	337.2	341.2	338.4	336.3	338.8
20	329.2	324.4	317.8	325.0	330.3	326.2	318.1	325.3
30	308.7	301.0	290.3	302.5	311.7	303.5	290.0	302.8
40	278.2	268.4	250.9	269.5	281.1	270.2	252.8	269.6
50	240.1	227.6	205.6	229.0	243.5	230.2	206.5	229.6
60	194.5	180.3	153.2	182.8	198.7	182.8	154.6	182.4
70	143.7	127.4	96.49	130.0	148.6	129.9	96.09	128.9
80	91.91	73.78	38.68	76.83	96.57	76.27	38.26	74.64
90	59.16	40.08	3.115	41.60	59.70	40.68	3.064	40.96

DEG LUMINOUS INTENSITY:cd

Zonal Lumen Summary

T	φzone	φtotal	lum, lamp
0-10	32.45	32.45	2.5,2.47
10-20	93.95	126.4	9.74,9.61
20-30	144.8	271.2	20.9,20.6
30-40	178.8	450.0	34.7,34.2
40-50	191.6	641.7	49.4,48.8
50-60	182.3	823.9	63.5,62.6
60-70	151.4	975.3	75.1,74.1
70-80	103.9	1079	83.1,82
80-90	55.27	1134	87.4,86.2

UNIT:lm

Coefficients Of Utilization

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio (CU)															
0.0	115	115	115	110	110	110	103	103	103	96	96	96	89	89	89	86
1.0	98	93	89	94	90	86	88	84	81	82	79	77	76	74	72	69
2.0	84	77	71	81	75	69	76	70	66	71	66	62	66	62	59	56
3.0	74	65	58	71	63	57	66	60	54	62	56	52	58	53	50	47
4.0	65	56	49	63	54	48	59	52	46	55	49	44	51	46	42	39
5.0	58	49	42	56	47	41	52	45	39	49	43	38	46	41	36	34
6.0	52	43	36	50	42	36	47	40	34	44	38	33	41	36	32	29
7.0	47	38	32	45	37	31	43	35	30	40	34	29	38	32	28	26
8.0	42	34	28	41	33	28	39	32	27	37	30	26	35	29	25	23
9.0	39	31	25	38	30	25	36	29	24	34	28	23	32	26	22	21
10.0	36	28	23	35	27	22	33	26	22	31	25	21	30	24	20	19