

● **PROJECT INFORMATION**

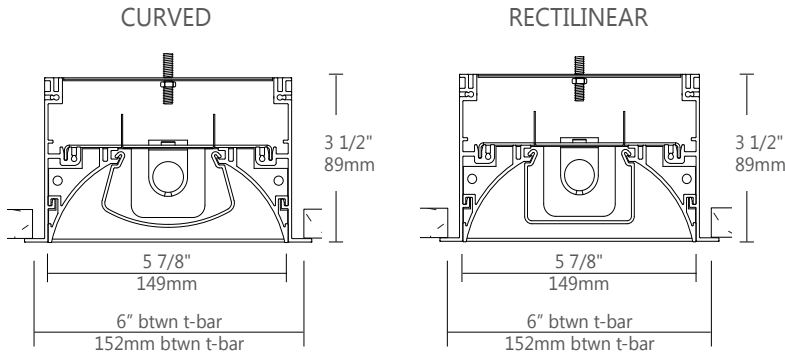
Project:

Type:

Notes:

● **DIMENSIONS**

SECTION VIEW



TECHZONE™ AND LOGIX™ COMPATIBLE
 for more info see page 3

● **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 LENS	3 OPTIC	4 LENGTH/FT	5 LAMP	6 LAMP CONFIGURATION
TEK6 tek 6"	C curved R rectilinear	FO frosted opal S satin lens	2 2' 4 4' 5 5'	T5 T5 T5HO T5HO	1 1 lamp

7 FINISH	8 VOLTAGE	9 BALLAST	10 CIRCUITS	11 MOUNTING/SUSPENSION
W white C custom	120 120V 277 277V 347 347V ⁽¹⁾ UNV universal	D dimming E instant start ⁽²⁾ ERS program start BI bi-level dimming +M master +S satellite	1 1 regular 2A/B 2 alternating +E# emergency section +NL# night light section +GTD# generator transfer device	TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 tegular 9/16" TG15 tegular 15/16" DF drywall flange
	(1) Please consult factory	(2) Available with T8 lamp only		

12 BATTERY	13 OTHER	14 IC CONTROLS	15 FUNCTIONALITY PLATES	16 CUSTOM
B# battery pack	F fuse FW# flex whip (6' std) CP chicago plenum	DS# daylight sensor OS# occupancy sensor DS+OS# daylight+occupancy sensor DOS# daylight&occupancy sensor	MR16# MR16 lamp AR# air return plate BK# blank plate SR# sprinkler plate SPK# speaker plate	C custom
		See integrated controls guide for further details	For 4ft and 5ft only	Please specify

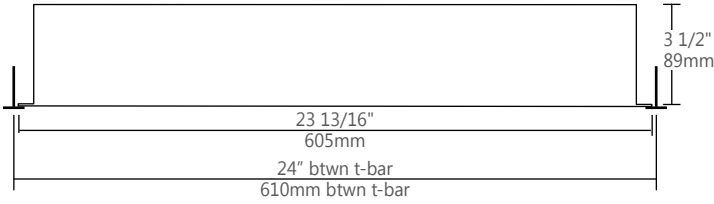




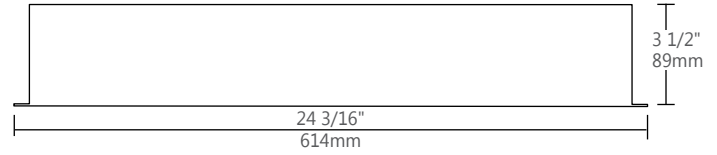
● DIMENSIONS - SIDE VIEW

TEK - 2FT

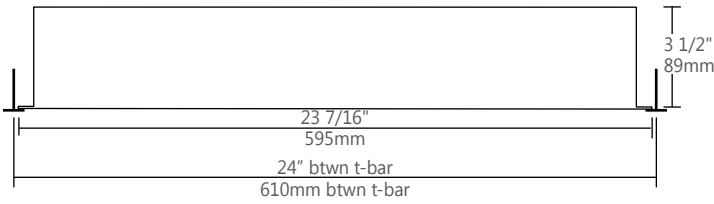
TB9 - TB15 - TG9 - ST



DF

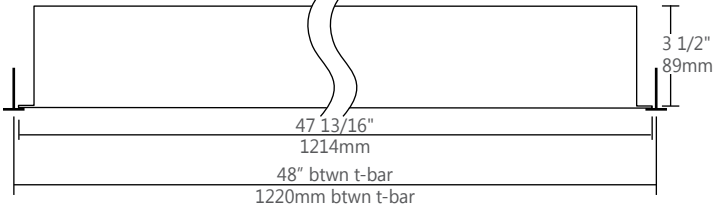


TG15

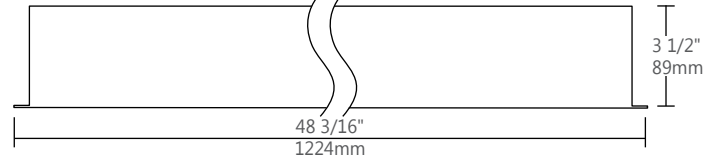


TEK - 4FT

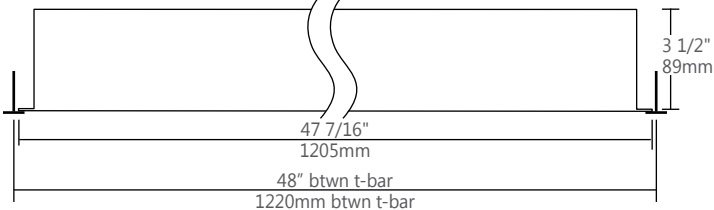
TB9 - TB15 - TG9 - ST



DF

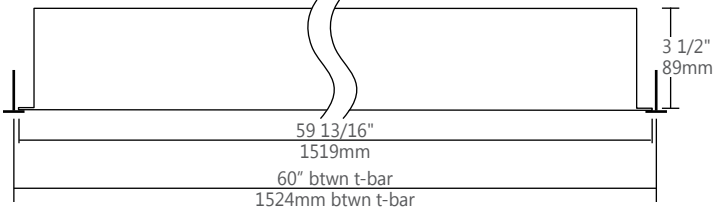


TG15

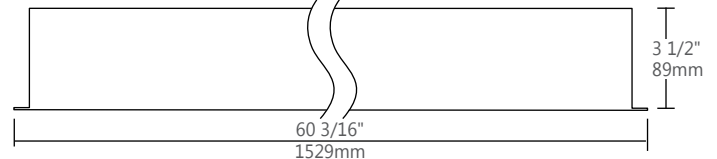


TEK - 5FT

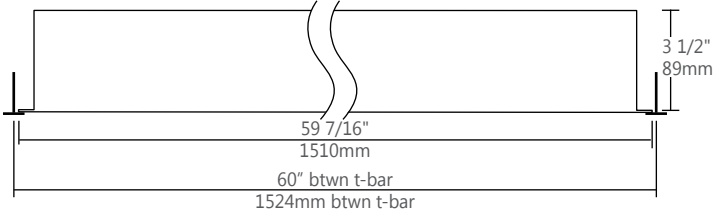
TB9 - TB15 - TG9 - ST



DF



TG15



● FUNCTIONALITY PLATES

TEK 6 is compatible with the Armstrong Techzone™ and USG Logix™ ceiling systems.

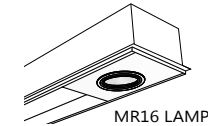
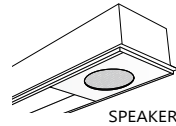
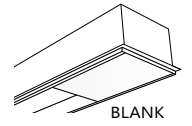
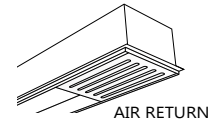
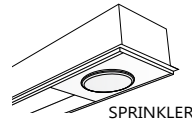
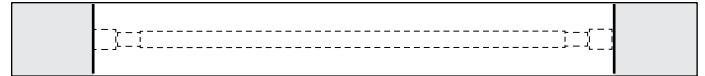
Air return and MR16 accent plates are provided complete, as shown. Speaker and sprinkler plates are ready to receive customer-furnished and installed equipment. Custom applications, can also be accommodated.

Nominally 6" long, the Functionality Plates are supplied in pairs for each applicable luminaire but can be specified with the same or different functions.

4' luminaires use nominal three-foot lamps;

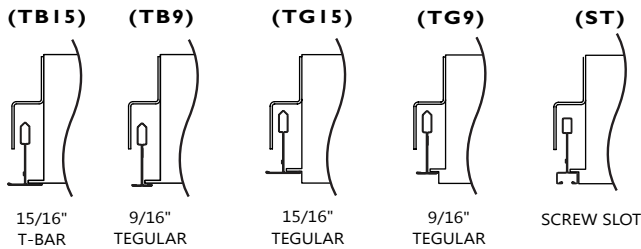
5' luminaires use nominal four-foot lamps.

i Consult your Axis Representative to coordinate the specification.

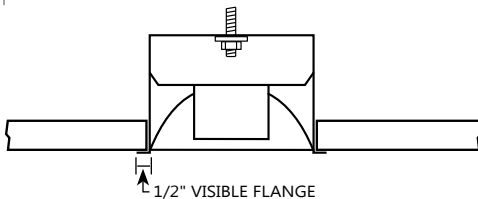


● CEILING SYSTEM

T-BAR STYLE MOUNTING



DRYWALL MOUNTING



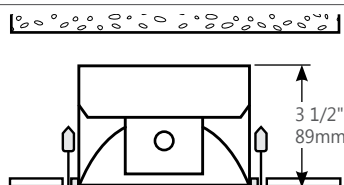
i Installation sheets for all mounting options are available at: www.axislighting.com

● CONSTRUCTION

Housing	Extruded aluminum (0.070" nominal)
Reflectors	Extruded aluminum (0.070" nominal)
Interior Brackets	Die formed cold rolled sheet steel (18 gauge)
Ballast Cover	Die formed cold rolled sheet steel (24 gauge)
Functionality Plate	Die formed cold rolled sheet steel (22 gauge)
T-Bar Bracket	Die formed cold rolled sheet steel (16 gauge)

● RESTRICTED PLENUM SPACE

With a 3 1/2" depth, TEK's low-profile allows easy installation where plenum space is restricted.



● LENS

Frosted Opal	Extruded PMMA (0.060" nominal) diffuses glare and reduce lamp image, while maintaining high light transmission.
Satin	Extruded PMMA (0.060" nominal) provides maximum glare reduction and light uniformity.

● WEIGHT

2ft - 7.5lbs/3.4kg, **4ft** - 14lbs/6.4kg, **5ft** - 17.3lbs/7.8kg

● ELECTRICAL

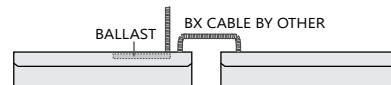
Ballast	Electronic IS, Electronic Rapid Start, Dimming (0-10V, Line, EcoSystem, DALI), BI-level dimming With preinstalled ballast disconnect as per NEC & CEC
Emergency	Emergency battery pack or emergency circuit
Voltage	120V, 277V, 347V, UNV

● FINISH

Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior. Custom finishes are also available.

● MASTER / SATELLITE CONFIGURATION

Master / Satellite configuration allows the satellite luminaire to share a ballast and power supply with the master luminaire.



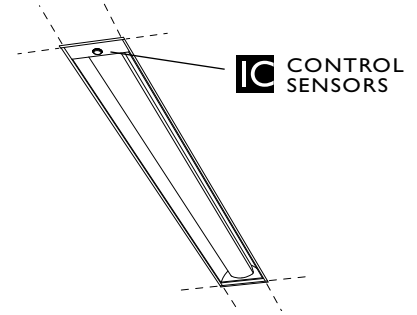
i Check Master/Satellite Installation Guide at: www.axislighting.com

● APPROVALS

Certified to UL and CUL standards Chicago Plenum Certified (CCEA)
 Meets NYC requirements
 Suitable for damp locations.
 IC Rated (Insulated ceiling)

● **INTEGRATED CONTROL OPTIONS**

TEK 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.

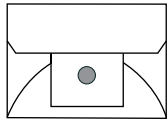


- Consult factory for other options.
- Refer to IC brochure for more information.

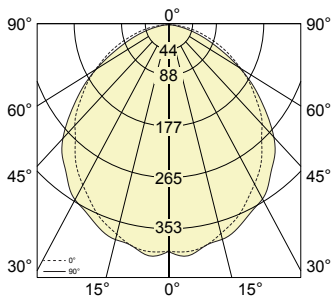
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed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

● **PHOTOMETRIC DATA**

I T5



PHOTOMETRIC CURVE



Test Lamp: IxF14T5
 IES FILE: TEK6-FO-2-T5-1

Efficiency: 74.8%

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

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	388	388	388	388	388	
5	390	395	397	397	397	21
15	367	371	375	377	378	89
25	326	332	339	345	348	145
35	280	284	295	308	308	180
45	228	233	247	252	252	189
55	170	177	182	177	176	168
65	113	118	114	103	97	123
75	60	61	53	46	43	69
85	17	13	11	10	10	23
90	3	2	3	3	2	

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2728	2309	2286
55	2379	1850	1713
65	1973	1307	1062
75	1471	727	551
85	734	202	163

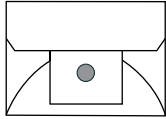
COEFFICIENTS OF UTILIZATION (%)

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	89	89	89	89	87	87	87	87	83	83	83
1	82	79	76	73	80	77	74	72	74	71	69
2	75	69	64	60	73	67	63	59	65	61	58
3	68	61	55	50	67	60	54	50	57	53	49
4	63	54	48	43	61	53	47	43	51	46	42
5	58	48	42	37	56	48	41	37	46	41	36
6	53	44	37	32	52	43	37	32	42	36	32
7	50	40	33	29	48	39	33	29	38	32	28
8	46	36	30	26	45	36	30	26	35	29	25
9	43	33	27	23	42	33	27	23	32	27	23
10	41	31	25	21	40	30	25	21	30	25	21

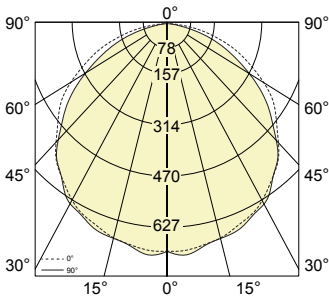
Based on floor reflectance of 20

PHOTOMETRIC DATA

I T5



PHOTOMETRIC CURVE



Test Lamp: **1xF28T5**
 IES FILE: TEK6-S-4-T5-1

Efficiency: **69.8%**

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	327	327	327	327	327	
5	319	320	326	327	320	17
15	315	312	308	314	315	75
25	290	293	292	295	301	125
35	264	263	267	269	264	161
45	224	224	228	222	216	174
55	176	182	174	164	160	161
65	125	127	116	107	101	126
75	70	67	57	50	48	75
85	18	15	10	10	10	24
90	2	2	2	2	2	

COEFFICIENTS OF UTILIZATION (%)

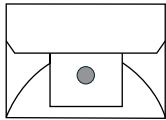
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	83	83	83	83	81	81	81	81	77	77	77
1	76	73	70	67	74	71	68	66	68	66	64
2	69	63	58	55	67	62	58	54	59	56	53
3	63	55	50	45	61	54	49	45	52	48	44
4	57	49	43	38	56	48	42	38	46	41	38
5	53	44	38	33	51	43	37	33	42	36	32
6	49	39	33	29	47	39	33	29	38	32	28
7	45	36	30	25	44	35	29	25	34	29	25
8	42	33	27	23	41	32	26	22	31	26	22
9	39	30	24	20	38	29	24	20	29	24	20
10	37	28	22	18	36	27	22	18	27	22	18

Based on floor reflectance of 20

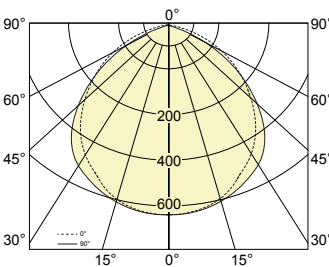
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2681	2132	1957
55	2463	1768	1563
65	2193	1327	1102
75	1696	778	621
85	742	182	160

I T5



PHOTOMETRIC CURVE



Test Lamp: **1xF14T5**
 IES FILE: TEK6-S-2-T5-1

Efficiency: **69.4%**

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1149	1149	1149	1149	1149	
5	1156	1119	1104	1116	1104	60
15	1110	1097	1056	1040	1055	257
25	1055	1009	960	918	899	418
35	909	840	730	648	630	472
45	620	542	517	489	476	432
55	245	242	211	188	187	236
65	146	135	117	112	112	133
75	110	76	50	31	28	78
85	19	9	6	6	6	20
90	0	1	0	0	0	

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	81	78	76	74	79	77	74	72	74	72	70
2	75	70	66	63	73	69	65	62	66	63	61
3	70	63	58	54	68	62	58	54	60	56	53
4	65	57	52	48	63	56	51	47	55	50	47
5	60	52	46	42	59	51	46	42	50	45	42
6	56	48	42	38	55	47	42	38	46	41	37
7	52	44	38	34	51	43	38	34	42	37	34
8	49	40	35	31	48	40	34	31	39	34	31
9	46	37	32	28	45	37	32	28	36	31	28
10	43	35	29	26	42	34	29	26	34	29	26

Based on floor reflectance of 20

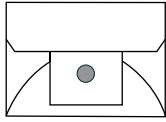
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7668	3412	2692
55	3596	1404	1043
65	2742	810	635
75	2972	371	165
85	977	52	37

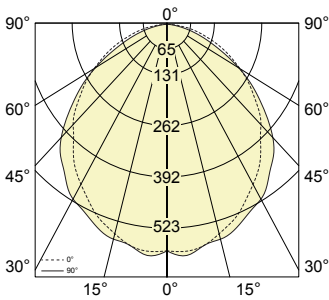
i All IES files are available for download at: www.axislighting.com

PHOTOMETRIC DATA

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF24T5HO
 IES FILE: TEK6-FO-2-T5HO-1

Efficiency: 74.8%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	575	575	575	575	575	
5	578	585	588	588	589	31
15	543	549	556	559	561	133
25	484	492	502	511	516	215
35	415	421	437	456	457	267
45	337	345	365	373	374	280
55	251	262	270	263	260	249
65	167	174	169	153	144	182
75	90	91	79	68	63	103
85	26	20	17	15	15	34
90	4	4	4	4	4	

COEFFICIENTS OF UTILIZATION (%)

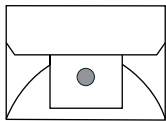
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	89	89	89	89	87	87	87	87	83	83	83
1	82	79	76	73	80	77	74	72	74	71	69
2	75	69	64	60	73	67	63	59	65	61	58
3	68	61	55	50	67	60	54	50	57	53	49
4	63	54	48	43	61	53	47	42	51	46	42
5	58	48	42	37	56	48	41	37	46	41	36
6	53	44	37	32	52	43	37	32	42	36	32
7	50	40	33	29	48	39	33	29	38	32	28
8	46	36	30	26	45	36	30	26	35	29	25
9	43	33	27	23	42	33	27	23	32	27	23
10	41	31	25	21	40	30	25	21	30	25	21

Based on floor reflectance of 20

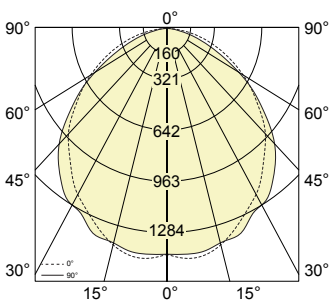
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4042	3421	3387
55	3525	2741	2538
65	2923	1937	1574
75	2179	1076	816
85	1087	300	241

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF54T5HO
 IES FILE: TEK6-FO-4-T5HO-1

Efficiency: 74.9%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1403	1403	1403	1403	1403	
5	1434	1444	1437	1426	1408	77
15	1374	1359	1373	1385	1370	329
25	1220	1235	1260	1281	1269	538
35	1046	1068	1104	1133	1153	669
45	862	866	905	931	933	702
55	639	662	675	660	644	625
65	427	455	421	378	353	458
75	233	235	199	166	156	258
85	69	55	42	38	39	87
90	11	9	9	9	9	

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	89	89	89	89	87	87	87	87	83	83	83
1	82	79	76	73	80	77	74	72	74	72	69
2	75	69	64	60	73	68	63	59	65	61	58
3	69	61	55	50	67	60	54	50	57	53	49
4	63	54	48	43	61	53	47	42	51	46	42
5	58	48	42	37	56	48	41	37	46	41	36
6	54	44	37	32	52	43	37	32	42	36	32
7	50	40	33	29	48	39	33	29	38	32	28
8	46	36	30	26	45	36	30	26	35	29	25
9	43	33	27	23	42	33	27	23	32	27	23
10	41	31	25	21	40	30	25	21	30	24	21

Based on floor reflectance of 20

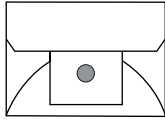
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	5497	4391	4232
55	4885	3589	3148
65	4233	2563	1935
75	3443	1469	1004
85	2097	414	315

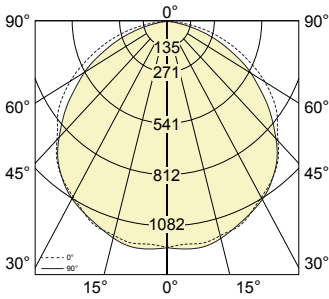
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● PHOTOMETRIC DATA

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF54T5HO
 IES FILE: TEK6-S-4-T5HO-1

Efficiency: 69.4%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	485	485	485	485	485	
5	472	474	483	484	474	26
15	466	463	457	465	466	110
25	429	435	432	436	446	185
35	390	389	396	399	391	238
45	331	332	337	329	320	257
55	260	269	258	243	237	238
65	185	188	171	159	149	186
75	103	99	84	75	72	111
85	26	22	15	14	15	35
90	3	3	4	4	3	

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3972	3158	2899
55	3649	2619	2316
65	3248	1966	1632
75	2513	1152	920
85	1099	270	237

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	83	83	83	83	81	81	81	81	77	77	77
1	76	73	70	67	74	71	68	66	68	66	64
2	69	63	58	55	67	62	58	54	59	56	53
3	63	55	50	45	61	54	49	45	52	48	44
4	57	49	43	38	56	48	42	38	46	41	38
5	53	44	38	33	51	43	37	33	42	36	32
6	49	39	33	29	47	39	33	29	38	32	28
7	45	36	30	25	44	35	29	25	34	29	25
8	42	33	27	23	41	32	26	22	31	26	22
9	39	30	24	20	38	29	24	20	29	24	20
10	37	28	22	18	36	27	22	18	27	22	18

Based on floor reflectance of 20

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