



FEATURES

- 6" Tube Shape
- Indirect distribution
- Fully extruded housing and aluminum end caps ensure the entire unit is rigid and straight
- Housing end caps are welded which results in a seamless appearance
- Available in lengths up to 12'. For longer rows, contact factory
- A variety of shielding options make the system usable for almost any application
- All internal components are painted gloss white for maximum photometric performance
- Standard finish is powder coat matte white
- Excellent for schools, libraries and office environments

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- IT6 housing is constructed of .115" thick extruded aluminum.
- End caps are welded onto the housing. The seam is sanded then puttied before being painted. This provides a seamless appearance with the end cap appearing to be part of the housing.
- Internal components of the fixture are constructed of steel and attached so no fasteners are exposed. Internal components are painted gloss white after they are fabricated.

FINISH

Housing and end caps are painted matte white as standard with a powder coat system for maximum coverage. Fixtures are treated with a five stage phosphate bonding process before being painted. Optional RAL colors are available. Consult MTX-1 in the options section of the Alera binder for other available finishes.

SHIELDING

The IT6 is available with a clear prismatic lens (contact factory), white cross baffle or unshielded. All shielding options lift and shift into the fixture.

MOUNTING

IT6 can be cable, stem, or wall mounted with a bracket. Wall brackets are shipped separately. For specific spacing dimensions of the mounting points consult the TID installation sheet.

LABELS AND ELECTRICAL

- UL 1598 or CSA
- Prewired w/ electronic T8, T5 or T5HO electronic ballasts
- Quick connect plugs standard
- Damp label available on most models

Name:	IT6-1U2DT8-CLA-E
Test #:	10438
Efficiency:	67.5%
LER:	69

ORDERING INFORMATION

EXAMPLE: IT6-24-1UT8-CM48-CLA-EU-MW

IT6		LAMP PROFILE AND DISTRIBUTION		LAMP TYPE		SUSPENSION LENGTH		BALLAST		VOLTAGE		FINISH	
MODEL	6" Diameter Tube	1U	1 Uplight	T5	T5 ¹	48	48"	E	Electronic, Instant Start (Std. for T8)	U	120V-277V	MW	Matte White (Std.)
		2U	2 Uplights	T5HO	T5HO ¹	96	96"	EP	Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)	120	120V	ZT	ZET Metallic Silver
				T8	T8	Not applicable on Wall Mount. Other lengths are available on request.		Unless specified, Alera will use fewest ballasts possible.		277	277V	See MTX-1 for other color selections.	
										347	347V		
ROW LENGTH		MOUNTING METHOD		UPLIGHT SHIELDING		OPTIONS							
4 4' Single		CM Adjustable Aircraft Cable		CLA Clear Prismatic Acrylic Lens		RT Rotatable Housing							
8 8' Single		PM Pendant Mount		OL Opal Prismatic Acrylic Lens (Contact Factory)		LR Left/Right Switching*							
– Indicate row length over 8' in 4' increments		WM Wall Mount		WCB White Cross Baffle		EL Emergency Battery Pack ^{2,3,4}							
		See HGR-1 for other hanging methods.		U Unshielded		EMC One Emergency Circuit ^{3,4}							
						NL Night Light Circuit ^{3,4}							
						GLR Fast Blow Fuse							
						GMF Slow Blow Fuse							
						TBAR T-Bar Mounting							
						CSA UL listed or CSA certified for Canada							
						DL Damp Label (Available on most models)							
								Switching configuration must be provided.					

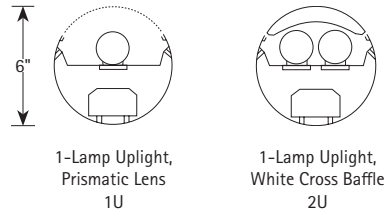
¹T5/T5HO at risk for socket shadow in downlight component.

²Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

³Not available with all configurations; some limitations apply. Contact factory for details.

⁴One extra feed drop per row with through wiring. (Standard is one 4ft lamp per circuit.)

CROSS SECTION



Note: Measurements vary based on trim selected. Please see Technical Installation Data for complete information.

PHOTOMETRIC DATA

LUMINAIRE DATA Test IO437

Luminaire	IT6-2UT8-CLA-EB8 IT6 Architectural Tube 6" x 48" 2-LAMP WITH CLEAR LINEAR PRISMATIC LENS
Ballast	B2321120
Ballast Factor	0.96
Lamp	F032
Lumens per Lamp	2900
Watts	55
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.37 Height: 0.08

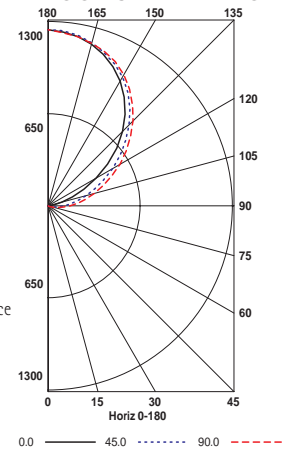
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	0	0	0	0	0
30	0	0	0	0	0
40	0	0	0	0	16
45	0	0	9	17	25
50	0	0	28	36	36
55	0	0	41	49	48
60	0	12	45	75	85
65	0	14	76	143	165
70	0	17	175	298	320
75	0	61	415	634	653
80	0	186	989	1270	1298
85	0	619	2180	2575	2524

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50				
		70	50	30	10	0	70	50	30	10	0	50	30	10	0	
1	55	52	49	47	47	44	42	41	31	29	28	1	0	0	0	0
2	50	45	41	38	42	39	36	33	27	25	23	0	0	0	0	0
3	45	39	35	32	38	34	30	27	23	21	19	0	0	0	0	0
4	41	35	30	26	35	30	26	23	21	18	16	0	0	0	0	0
5	38	31	26	22	32	26	22	20	18	16	14	0	0	0	0	0
6	34	27	23	19	29	24	20	17	16	14	12	0	0	0	0	0
7	32	24	20	16	27	21	17	14	15	12	10	0	0	0	0	0
8	29	22	17	14	25	19	15	12	13	11	9	0	0	0	0	0
9	27	20	15	12	23	17	13	11	12	9	8	0	0	0	0	0
10	25	18	14	11	21	16	12	10	11	8	7	0	0	0	0	0

INDOOR CANDELA PLOT



RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	63.1%
Luminaire Efficacy Rating (LER)	64
ANSI/IESNA RP-1-2004 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.75 based on 3000 hrs. and \$0.08 per KWH

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	4	0.1	0.1
0-90	106	1.8	2.9
0-180	3660	63.1	100.0

Test Date 11/15/06

PHOTOMETRIC DATA

LUMINAIRE DATA Test IL0537

Luminaire	IT6-1UT12-CLA-LE IT6 Architectural Tube 1-L INDIRECT EXTRUDED ALUM HSG, WHITE REFL, CLEAR LINEAR PRISMATIC REFRACTOR
Ballast	446-LR
Ballast Factor	0.95
Lamp	.95
Lumens per Lamp	3150
Watts	45
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.50 Height: 0.25

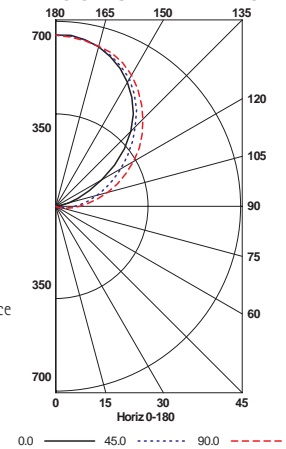
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	0	0	0	0	0
30	0	0	0	0	0
40	0	0	0	0	0
45	0	0	0	0	0
50	0	0	6	6	5
55	0	0	13	18	23
60	0	8	21	44	43
65	0	9	53	88	93
70	0	22	134	177	174
75	0	51	286	330	331
80	0	144	534	584	579
85	576	514	646	650	184

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50				
		70	50	30	10	0	70	50	30	10	0	50	30	10	0	
1	55	52	49	47	47	44	42	41	31	29	28	1	0	0	0	0
2	50	45	41	38	42	39	36	33	27	25	23	0	0	0	0	0
3	45	39	35	32	38	34	30	27	23	21	19	0	0	0	0	0
4	41	35	30	26	35	30	26	23	21	18	16	0	0	0	0	0
5	38	31	26	22	32	26	22	19	18	16	14	0	0	0	0	0
6	34	27	23	19	29	24	20	17	16	14	12	0	0	0	0	0
7	32	24	20	16	27	21	17	14	15	12	10	0	0	0	0	0
8	29	22	17	14	25	19	15	12	13	11	9	0	0	0	0	0
9	27	20	15	12	23	17	13	11	12	9	8	0	0	0	0	0
10	25	18	14	11	21	16	12	10	11	8	7	0	0	0	0	0

INDOOR CANDELA PLOT



RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	63.2%
Luminaire Efficacy Rating (LER)	42
ANSI/IESNA RP-1-2004 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$5.71 based on 3000 hrs. and \$0.08 per KWH

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	1	0.0	0.0
0-90	62	2.0	3.1
0-180	1991	63.2	100.0

Test Date 11/15/06