



FEATURES

- 6" Tube Shape
- Asymmetric 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

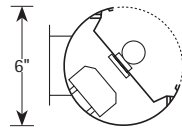
Name:	IT6-1U2DT8-CLA-E
Test #:	10438
Efficiency:	67.5%
LER:	69

ORDERING INFORMATION

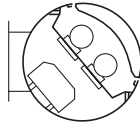
EXAMPLE: IT6-12-2AUT8-WM-WCB-U-EU-MW

IT6		LAMP TYPE		MOUNTING METHOD		DOWNLIGHT SHIELDING		VOLTAGE		FINISH																					
MODEL	6" Diameter Tube	T8 T8	T5 T5 ¹	CM Adjustable Aircraft Cable	PM Pendant Mount	WM Wall Mount	Blank N/A	CLA Clear Prismatic Acrylic Lens	OL Opal Prismatic Acrylic Lens (Contact Factory)	WCB White Cross Baffle	U Unshielded	U 120V-277V	MW Matte White (Std.)	ZT ZET Metallic Silver																	
ROW LENGTH	4' Single 8' Single – Indicate row length over 8' in 4' increments	LAMP PROFILE AND DISTRIBUTION	1AU 1 Asymmetric Uplight (WM only)	2AU 2 Asymmetric Uplights (WM only)	1AUR 1 Asymmetric Uplight Room Distribution	1AUW 1 Asymmetric Uplight Wall Distribution (WM only)	1ADR 1 Asymmetric Downlight Room Distribution (WM only)	1ADW 1 Asymmetric Downlight Wall Distribution (WM only)	1AD 1 Asymmetric Downlight	2AD 1 Asymmetric Downlights	SUSPENSION LENGTH	48 48" 96 96"	UPLIGHT SHIELDING	Blank N/A	CLA Clear Prismatic Acrylic Lens	OL Opal Prismatic Acrylic Lens (Contact Factory)	WCB White Cross Baffle	U Unshielded	BALLAST	E Electronic, Instant Start (Std. for T8)	EP Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)	Options	LR Left/Right Switching*	EL Emergency Battery Pack ^{2,3,4}	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
<p>Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.</p> <p>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.)</p>																															

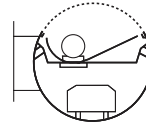
CROSS SECTION



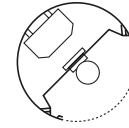
1-Lamp Asymmetric Uplight,
Prismatic Lens
(Wall Mount Only)
1AU



2-Lamp Asymmetric Uplight,
White Cross Baffle
(Wall Mount Only)
2AU



1-Lamp Asymmetric Uplight,
Room Dist. Prismatic Lens
1AUR



1-Lamp Asymmetric Downlight,
Prismatic Lens
1AD

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

PHOTOMETRIC DATA

LUMINAIRE DATA Test IL0548

Luminaire	IT6-1AUT12-U-LE IT6 Architectural Tube 1-L INDIRECT 45 DEG/ ASYM, EXTRUDED ALUM HSG, WHITE REFL, NO SHIELDING
Ballast	446-LR
Ballast Factor	.95
Lamp	.95
Lumens per Lamp	3150
Watts	48
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 4.00 Width: 0.40 Height: 0.00

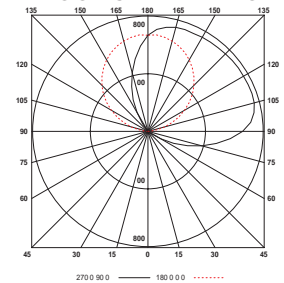
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.5	270.0
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	84	0	0	0	0
55	305	23	0	0	0
60	1399	81	0	0	0
65	3136	780	0	0	0
70	5744	2439	0	0	0
75	10059	5303	0	0	0
80	18635	11003	0	0	0
85	44308	28175	0	0	0

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	68	63	60	56	59	55	52	49	39	37	35	4				
2	61	54	49	44	53	47	43	39	33	30	28	2				
3	55	47	41	36	48	41	36	32	29	25	22	1				
4	50	42	35	30	43	36	31	26	25	22	19	0				
5	46	37	30	25	40	32	26	22	23	19	16	0				
6	42	33	26	22	36	28	23	19	20	16	14	0				
7	39	29	23	19	33	25	20	16	18	14	12	0				
8	36	26	20	16	31	23	18	14	16	13	10	0				
9	33	24	18	14	29	21	16	12	15	11	9	0				
10	31	22	16	12	27	19	14	11	14	10	8	0				

INDOOR CANDELA PLOT



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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	6	0.2	0.3
0-90	329	10.4	13.3
0-180	2474	78.5	100.0

ENERGY DATA

Total Luminaire Efficiency	78.5%
Luminaire Efficacy Rating (LER)	49
ANSI/IESNA RP-1-2004 Compliance	
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.90 based on 3000 hrs. and \$0.08 per KWH

Test Date 11/15/06

PHOTOMETRIC DATA

LUMINAIRE DATA Test IL0559

Luminaire	IT6-1AURT12-WCB-LE IT6 Architectural Tube 1-L IND/ASYM, EXTRUDED ALUM HSG, SPECULAR REFLECTOR, WHITE CROSS BAFFLE
Ballast	RS140
Ballast Factor	0.95
Lamp	F40CW
Lumens per Lamp	3150
Watts	48
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 4.00 Width: 0.50 Height: 0.00

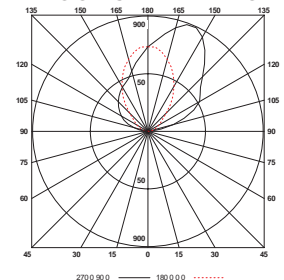
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
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	0	0	0
55	0	9	0	0	0
60	0	32	0	0	0
65	0	64	0	13	0
70	0	126	0	79	0
75	0	229	0	208	0
80	0	496	0	558	0
85	62	1359	0	1606	62

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	45	42	40	39	38	36	35	33	25	24	23	0				
2	40	37	34	31	35	32	29	27	22	20	19	0				
3	37	32	29	26	31	28	25	23	19	17	16	0				
4	34	28	25	22	29	24	21	19	17	15	13	0				
5	31	25	21	18	26	22	18	16	15	13	11	0				
6	28	22	19	16	24	19	16	14	13	11	10	0				
7	26	20	16	14	22	17	14	12	12	10	8	0				
8	24	18	14	12	20	16	12	10	11	9	7	0				
9	22	16	13	10	19	14	11	9	10	8	6	0				
10	21	15	11	9	17	13	10	8	9	7	6	0				

INDOOR CANDELA PLOT



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

ZONAL LUMEN SUMMARY

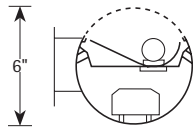
Zone	Lumens	% Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	28	0.9	1.8
0-180	1622	51.5	100.0

ENERGY DATA

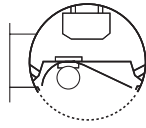
Total Luminaire Efficiency	51.5%
Luminaire Efficacy Rating (LER)	32
ANSI/IESNA RP-1-2004 Compliance	
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$7.50 based on 3000 hrs. and \$0.08 per KWH

Test Date 11/15/06

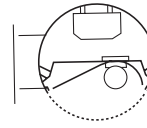
CROSS SECTION



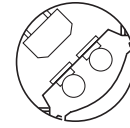
1-Lamp Asymmetric Uplight,
Wall Dist. Prismatic Lens
1AUW



1-Lamp Asymmetric Downlight,
Room Dist., Unshielded
1ADR



1-Lamp Asymmetric Downlight,
Wall Dist., Prismatic Lens
1ADW



2-Lamp Asymmetric Downlight,
White Cross Baffle
2AD

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

PHOTOMETRIC DATA

LUMINAIRE DATA Test IL0561

Luminaire	IT4-1UT12-U-LE IT4 ARCHITECTURAL TUBE 1-L INDIRECT, 4 IN. EXTRUDED ALUMINUM HOUSING, WHITE REF., NO SHIELDING
Ballast	446-LR
Ballast Factor	0.95
Lamp	.95
Lumens per Lamp	3150
Watts	48
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.30 Height: 0.20

AVG. LUMINANCE (Candela/Sq. M.)

	90.0	135.0	180.0	225.0	270.0
0	6286	6286	6286	6286	6286
30	7594	7109	6028	4375	4052
40	7644	7026	5564	3906	3836
45	7611	6774	5160	3790	3730
50	7653	6531	4655	3684	3584
55	7713	6381	4054	3528	3453
60	7750	6222	3358	3358	3380
65	7743	6215	2700	3311	3387
70	8151	6200	2046	3399	3493
75	9358	6405	1456	3535	3701
80	11716	6943	868	4091	4215
85	19020	9881	494	6175	6175

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	443	14.1	27.4
0-40	714	22.7	44.1
0-60	1217	38.6	75.2
0-90	1568	49.8	96.9
0-180	1618	51.4	100.0

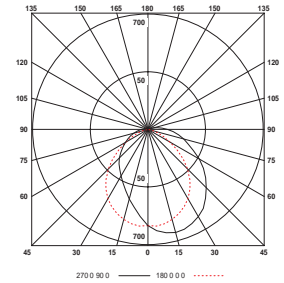
COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	55	53	50	48	54	51	49	47	49	47	45	41				
2	50	46	42	39	49	45	41	39	43	40	37	34				
3	46	40	36	33	44	39	35	32	38	34	31	29				
4	42	36	31	28	41	35	31	27	33	30	27	25				
5	39	32	27	24	37	31	27	24	30	26	23	21				
6	36	29	24	21	35	28	24	21	27	23	21	19				
7	33	26	22	19	32	26	21	18	25	21	18	17				
8	31	24	20	17	30	24	19	17	23	19	16	15				
9	29	22	18	15	28	22	18	15	21	17	15	13				
10	27	20	16	14	26	20	16	14	19	16	13	12				

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

INDOOR CANDELA PLOT



ENERGY DATA

Total Luminaire Efficiency	51.4%
Luminaire Efficacy Rating (LER)	32
ANSI/IESNA RP-1-2004 Compliance	
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$7.50 based on 3000 hrs. and \$0.08 per KWH

Test Date 11/15/06