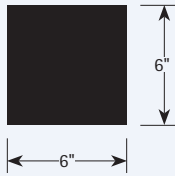

FEATURES

- Choice of direct, indirect, or direct/indirect lighting with a variety of shielding options
- Up to 2 T8 lamps in cross section
- Optional asymmetric reflector available for wall wash applications
- Cable, surface, pendant, or wall mount
- Controls compatible
- Standard finish is matte white, other optional color finishes are available
- Excellent for schools, offices or retail environments

SHAPE AND DIMENSIONS

PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

The housing of the IB66 is constructed of rigid extruded aluminum. End caps are aluminum and are welded to the housing. Before being painted the seam is sanded and puttied to create a seamless end cap appearance. All internal fasteners and aligners are concealed inside of the housing.

FINISH

Standard housing finish is powder coat matte white. Other powder coat finishes are available as an option. Please see the Options section of this binder for more details. End caps and connectors are finished the same as the housing on all painted parts. Internal components are finished in gloss white.

SHIELDING

The IB66 is available with a parabolic louver, acrylic lens, white straight blade baffle, or a 1/2" x 1/2" small cell louver.

—Parabolic louvers are constructed of anodized aluminum with either a specular or semi-specular finish. They lift and shift for easy lamp access.

—A variety of lenses are available and are lay-in type.

—The white straight blade baffle (WCB) is constructed of steel and finished with a gloss

white finish.

MOUNTING

The IB66 is designed to be installed with cables or stems, or mounted to the wall with a bracket. Precise mounting dimensions are available from the TID installation sheet. When patterns or rows are being used it is recommended that the factory be provided with a layout diagram.

LABELS AND ELECTRICAL

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

ORDERING INFORMATION
EXAMPLE: IB66-24-2DT8-CM96-WCB-EU-MW

IB66		T8						
MODEL	LAMP PROFILE AND DISTRIBUTION	MOUNTING METHOD	SUSPENSION LENGTH	VOLTAGE	FINISH			
IB66 IB66	1U 1-Lamp Uplight 2U 2-Lamp Uplight 1AU 1-Lamp Asymmetric Uplight 1D 1-Lamp Downlight 2D 2-Lamp Downlight 1AD 1-Lamp Asymmetric Downlight 1UD 1-Lamp Uplight & Downlight (WM only) 2UD 2-Lamp Uplight & Downlight (CM/PM only) 1U1D 1-Lamp Uplight, 1-Lamp Downlight 1U2D 1-Lamp Uplight, 2-Lamp Downlight 2U1D 2-Lamp Uplight, 1-Lamp Downlight 2U2D 2-Lamp Uplight, 2-Lamp Downlight	CM Adj. Aircraft Cable PM Pendant Mount SM Surface Mount WM Wall Mount See HGR-1 for other hanging methods.	48 48" 96 96" Not applicable for surface or wall mount. Other lengths available on request.	U 120V-277V 120 120V 277 277V 347 347V	MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.			
ROW LENGTH	LAMP TYPE	SHIELDING	BALLAST	OPTIONS				
4 4' Single 8 8' Single — Indicate row length over 8' in 4' increments Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.	T8 T8	LD Low Iridescent Semi-Specular Louver ¹ LS Low Iridescent Specular Louver ¹ AL 1/2" x 1/2" Aluminum Louver ¹ A12 Pattern 12 Acrylic Lens ¹ A19 Pattern 19 Acrylic Lens ¹ CA Clear Acrylic Lens (No pattern) OA Opal Acrylic Lens (No pattern) WCB White Cross Baffle ¹ U No Shielding (Uplight)	E Electronic, Instant Start (Std. for T8) EP Electronic, Programmed Start (Optional for T8) ED Electronic, Dimming (Must specify) ESD Electronic, Step Dimming	DC Dust Cover LR Left/Right Switching (2-Lamp only) ² UB Upper/Lower Switching (2-Lamp only) ² EL One Emergency Battery Pack ^{3,4} EMC One Emergency Circuit ^{4,5} NL Night Light Circuit ^{4,5} 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)				

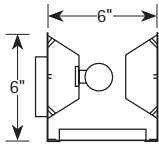
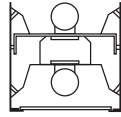
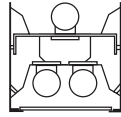
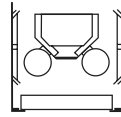
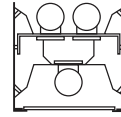
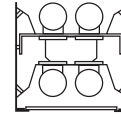
¹ For downlight component only.

² LR requires 2 lamps in cross section. UB assumes 1 circuit up, 1 circuit down.

³ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

⁴ Not available with all configurations; some limitations apply. Contact factory for details.

⁵ One extra feed drop per row with through wiring. (Standard is one 4ft lamp per circuit.)

CROSS SECTION

 1-Lamp Uplight/Downlight
Straight Blade Louver
Wall Mount Only
1U1D

 1-Lamp Uplight,
1-Lamp Downlight
Lens
1U1D

 1-Lamp Uplight,
2-Lamp Downlight
Lens
1U2D

 2-Lamp Uplight/Downlight
Straight Blade Louver
PM/CM Only
2UD

 2-Lamp Uplight,
1-Lamp Downlight
Lens
2U1D

 2-Lamp Uplight,
2-Lamp Downlight
Lens
2U2D

PHOTOMETRIC DATA
LUMINAIRE DATA Test 9595

Luminaire	IB66-1UDT12-A12-LE IB66 Architectural Beam 6" x 48" 1-Lamp with A12 Lens and Open Top
Ballast	R-140
Ballast Factor	0.95
Lamp	F40WW
Lumens per Lamp	3200
Watts	49
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.18 90° = 0.96
Luminous Opening in Feet	Length: 0.34 Width: 4.00 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	4472	4472	4472	4472	4472
30	4094	3866	3418	3043	2906
40	3399	3007	2511	2149	2004
45	2888	2541	2104	1836	1713
50	2327	2069	1712	1551	1502
55	1821	1614	1325	1269	1325
60	1456	1235	1013	1076	1235
65	1311	1049	880	1011	1180
70	1273	1064	995	995	1157
75	1254	1131	1131	1040	1162
80	1185	1185	1185	1094	1048
85	1271	999	908	817	817

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0	0		
1	69	66	64	62	63	61	59	57	50	49	47	26	0	0		
2	64	59	55	51	58	54	50	47	45	42	40	23	0	0		
3	58	52	47	43	53	48	44	40	40	37	35	20	0	0		
4	54	47	41	37	49	43	38	35	36	33	30	18	0	0		
5	50	42	36	32	45	39	34	30	33	29	26	16	0	0		
6	46	38	32	28	42	35	30	27	30	26	23	14	0	0		
7	43	34	29	25	39	32	27	24	27	23	21	13	0	0		
8	40	31	26	22	36	29	24	21	25	21	19	12	0	0		
9	37	29	24	20	34	27	22	19	23	19	17	11	0	0		
10	35	26	21	18	32	25	20	17	21	18	15	10	0	0		

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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fxtr.
0-30	405	12.7	17.6
0-40	602	18.8	26.2
0-60	851	26.6	37.1
0-90	960	30.0	41.8
90-120	162	5.1	7.1
90-130	374	11.7	16.3
90-150	934	29.2	40.7
90-180	1336	41.7	58.2
0-180	2295	71.7	100.0

ENERGY DATA

Total Luminaire Efficiency	71.7%
Luminaire Efficacy Rating (LER)	44
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$5.45 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT
