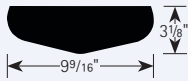




FEATURES

- A gently pointed shape enhances this curved profile
- Primarily indirect, Indecon is well-suited to office, education, and health care where uplight is desired as the primary source
- T8 lamps
- Heavy 20-gauge steel construction provides excellent housing rigidity
- 3 1/8" deep housing is gently angled for visual interest
- Solid housing offers 100% indirect light
- Perforated housing option allows +/- 5% downlight
- All perforated housing provides a continuous glow across the width of the unit for approximately 10% downlight
- Fixed 18" (FCM18) or optional Adjustable 48" (CM48) aircraft cable suspension mountings available
- Finger tab connections for quick and easy alignment
- Modular mounting points for predictable hanging locations
- UL Listed 1598. Damp Label available on most models

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

The Indecon series is constructed of heavy 20 gauge steel with a 9 9/16" x 3 1/8" profile. Fixtures are available with one, two or three T8 lamps. A unique angling method on the one lamp unit and on the middle lamp of the three lamp unit minimizes the length of the fixture without affecting the performance or operation of the unit. This lamp positioning ensures that all fixtures are made in four foot increments. The exact shape of the housing is maintained by the use of an inner structural plate at each socket location. The plate is tabbed and welded into the housing, ensuring housing tolerances are consistent. Aligner fingers are standard on the plate enabling fixtures to be attached together in straight continuous rows without misalignment between fixtures. End caps are made of 18-gauge construction and attach with nuts and bolts. The reflector is constructed of specular anodized aluminum for wide distribution with maximum efficiency.

FINISH

The housing and all painted parts are treated with a five stage phosphate bonding process before being finished. Parts are then finished with a white RAL powder coat finish for maximum consistent coverage and longevity.

MOUNTING

The Indecon is designed for ceiling suspension and is provided with an aircraft cable suspension mechanism. The cable has a total vertical adjustment of 1 1/4". End of cable barrel screws into a standard 1/4-20 bolt brought down from the ceiling. Cover plates are provided to shield the ceiling cutout. A straight or optional coil cord is provided for feed locations. A feed canopy is provided for each feed location. All fixtures are suspended at 48" increments and must be supported at each fixture housing end. Refer to the Indecon TID sheet for actual hanging points for specific rows.

LABELS AND ELECTRICAL

All fixtures bear appropriate UL or CSA labels. Fixtures are prewired with electronic ballasts and are available in 120, 277, or 347 volt. All fixtures are wired for single circuit operation but additional circuits can be supplied as an option.

Name:	IDCL-2T8-S-E-WR
Test #:	12586
Efficiency:	74.5%
LER:	84

ORDERING INFORMATION

EXAMPLE: IDC-8-2T8-S-CM48-EU-MW

MODEL	LAMP TYPE AND PROFILE	MOUNTING	VOLTAGE	FINISH
IDC Indecon	1T8 One T8 Lamp 2T8 Two T8 Lamps 3T8 Three T8 Lamps	FCM Fixed Cable Mount (Non-adjustable, Std.) CM Adjustable Aircraft Cable Mount	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	HOUSING TYPE	ADJUSTABLE CABLE LENGTH	BALLAST	OPTIONS
4 4' Single 8 8' Single - Indicate row length over 8' in 4' increments	S Solid	48 48" 96 96" Other lengths available on request.	E Electronic, Instant Start, (Std. for T8) EP Electronic, Programmed Start (Optional for T8) ED Electronic, Dimming (Must specify) Unless specified, Alera will use fewest ballasts possible.	DC Dust Cover (N/A T5H0) WR White Reflector HRF High Efficiency Reflector LR Left/Right Switching (2-Lamp only) IBOB Inboard/Outboard Switching (3-Lamp only) EL One Emergency Battery Pack ^{1,2} EMC One Emergency Circuit ^{2,3} NL Night Light Circuit ^{2,3} GLR Fast Blow Fuse GMF Slow Blow Fuse TBAR T-Bar Mounting DL Damp Label (Available on most models)

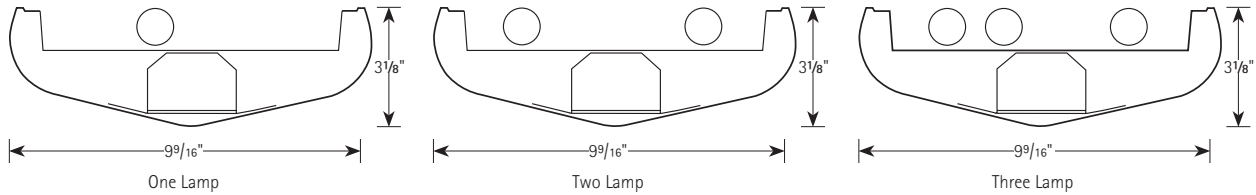
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.

¹ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

² Not available with all configurations; some limitations apply. Contact factory for details.

³ One extra feed drop per row with through wiring. (Standard is one 4ft lamp per circuit.)

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 12193

Luminaire	IDC-1T8-S-E
	Indecon Architectural Curve
	9.5" x 48" 1-Lamp with Specular Reflector
Ballast	B132I120HP
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	30
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.67 Height: 0.00

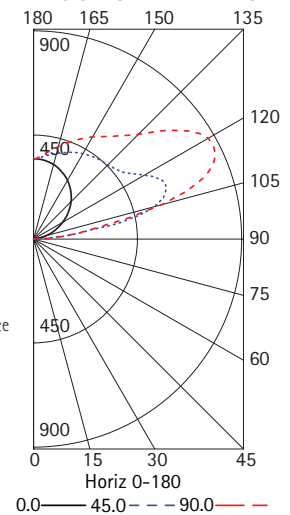
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
90.0	0	0	0	0	0
97.5	22	214	197	185	190
105.0	57	282	541	570	570
112.5	101	262	617	795	841
120.0	145	274	554	802	871
127.5	189	296	478	691	772
135.0	229	319	454	583	640
142.5	264	336	442	525	560
150.0	293	347	426	487	510
157.5	316	353	406	447	461
165.0	334	353	384	406	414
172.5	344	350	361	369	372
180.0	346	346	346	346	346

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0				
	RW	70	50	30	10	70	50	30	10	50	30	10	0	10	0					
1	74	71	68	65	63	61	58	56	41	40	39	0	0	0						
2	68	62	57	53	58	53	49	46	36	34	32	0	0	0						
3	62	54	49	44	52	46	42	38	32	29	27	0	0	0						
4	56	48	42	37	48	41	36	32	28	25	23	0	0	0						
5	51	42	36	31	44	36	31	27	25	22	19	0	0	0						
6	47	38	31	27	40	32	27	23	22	19	16	0	0	0						
7	43	34	27	23	37	29	24	20	20	17	14	0	0	0						
8	40	30	24	20	34	26	21	17	18	15	12	0	0	0						
9	37	27	21	17	31	23	19	15	16	13	11	0	0	0						
10	34	25	19	15	29	21	17	13	15	12	9	0	0	0						

INDOOR CANDELA PLOT



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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
90-120	1093	37.7	43.9
90-130	1544	53.3	62.0
90-150	2160	74.5	86.8
90-180	2489	85.8	100.0
0-180	2489	85.9	100.0

ENERGY DATA

Total Luminaire Efficiency	85.8%
Luminaire Efficacy Rating (LER)	73
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.29 based on 3000 hrs. and \$0.08 per KWH

Test Date 8/20/98

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12154

Luminaire	IDC-2T8-S-E
	Indecon Architectural Curve
	9.5" x 48" 2-Lamp with Specular Reflector
Ballast	B232I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	56
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.67 Height: 0.00

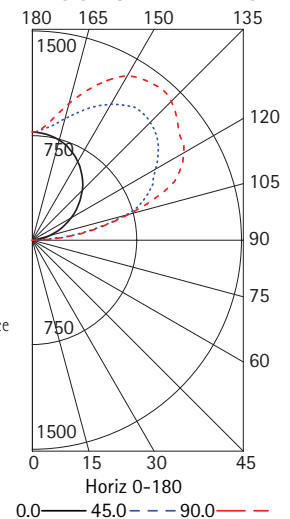
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
90.0	0	0	0	0	0
97.5	53	276	319	332	340
105.0	130	478	693	713	720
112.5	224	634	904	1062	1103
120.0	320	753	1019	1205	1253
127.5	415	823	1135	1277	1318
135.0	506	850	1195	1367	1409
142.5	583	849	1202	1369	1415
150.0	650	836	1127	1310	1362
157.5	703	816	1018	1163	1206
165.0	742	794	904	986	1014
172.5	766	781	813	834	839
180.0	775	775	775	775	775

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0				
	RW	70	50	30	10	70	50	30	10	50	30	10	0	10	0					
1	73	70	66	64	62	59	57	55	41	39	38	0	0	0						
2	66	61	56	52	56	52	48	45	36	33	31	0	0	0						
3	60	53	48	43	51	46	41	37	31	29	26	0	0	0						
4	55	47	41	36	47	40	35	31	28	25	22	0	0	0						
5	50	41	35	31	43	36	30	27	25	21	19	0	0	0						
6	46	37	31	26	39	32	27	23	22	19	16	0	0	0						
7	42	33	27	23	36	28	23	20	20	16	14	0	0	0						
8	39	30	24	20	33	25	20	17	18	14	12	0	0	0						
9	36	27	21	17	31	23	18	15	16	13	11	0	0	0						
10	34	24	19	15	29	21	16	13	15	11	9	0	0	0						

INDOOR CANDELA PLOT



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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
90-120	1655	28.5	33.9
90-130	2550	44.0	52.2
90-150	4079	70.3	83.6
90-180	4881	84.2	100.0
0-180	4881	84.2	100.0

ENERGY DATA

Total Luminaire Efficiency	84.2%
Luminaire Efficacy Rating (LER)	77
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.12 based on 3000 hrs. and \$0.08 per KWH

Test Date 7/20/98

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12171

Luminaire	IDC-3T8-S-3E
	Indecon Architectural Curve
	9.5" x 48" 3-Lamp with Specular Reflector
Ballast	B3321120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	83
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 0.00 90° = 0.00
Luminous Opening in Feet	Length: 4.00 Width: 0.67 Height: 0.00

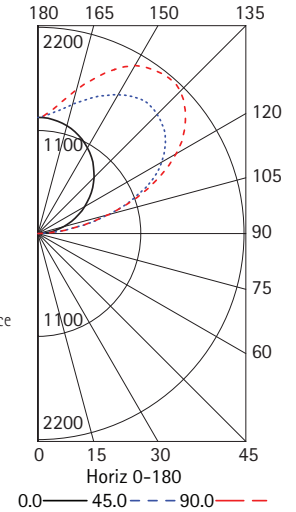
AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
90.0	0	0	0	0	0
97.5	139	312	314	318	325
105.0	283	686	789	786	788
112.5	429	948	1220	1274	1284
120.0	575	1119	1525	1679	1702
127.5	716	1228	1711	1931	1983
135.0	846	1281	1799	2083	2147
142.5	961	1305	1806	2083	2156
150.0	1056	1303	1710	1995	2070
157.5	1134	1290	1574	1787	1850
165.0	1192	1269	1427	1551	1588
172.5	1226	1251	1303	1341	1349
180.0	1240	1240	1240	1240	1240

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	70	67	64	61	60	57	55	53	39	38	36	0	
2	64	58	54	50	54	50	46	43	34	32	30	0	
3	58	51	46	41	49	44	39	36	30	27	25	0	
4	53	45	39	35	45	39	34	30	27	24	21	0	
5	48	40	34	29	41	34	29	26	24	20	18	0	
6	44	35	29	25	38	30	25	22	21	18	15	0	
7	41	32	26	22	35	27	22	19	19	16	13	0	
8	38	28	23	19	32	24	20	16	17	14	12	0	
9	35	26	20	16	30	22	17	14	15	12	10	0	
10	32	23	18	14	27	20	16	13	14	11	9	0	

INDOOR CANDELA PLOT



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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
90-120	2103	24.2	29.9
90-130	3443	39.6	49.0
90-150	5777	66.4	82.2
90-180	7031	80.8	100.0
0-180	7031	80.8	100.0

ENERGY DATA

Total Luminaire Efficiency	80.8%
Luminaire Efficacy Rating (LER)	75
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.20 based on 3000 hrs. and \$0.08 per KWH

Test Date 8/4/98