



indecon

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
- 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 perforated steel with a 9 9/16" x 3 1/8" profile. The perforations measure .095" in diameter and provide a 23% opening per square inch (refer to the TID sheet for an illustration). All perforated housings are available with two T8 lamps. 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.

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 a 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-AP-FCM24-EU-MW

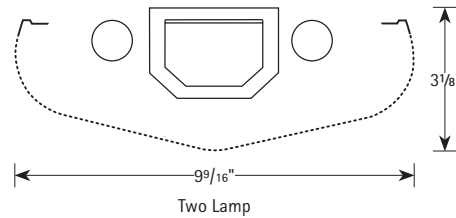
MODEL	LAMP TYPE AND PROFILE	MOUNTING	VOLTAGE	FINISH
IDC Indecon	2T8 Two T8 Lamps	FCM Fixed Cable Mount (Non-adjustable, Std.) CM Adjustable Aircraft Cable Mount	U 120V-277V 120 120V 277 277V 347 347V	MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.
ROW LENGTH	HOUSING TYPE	ADJUSTABLE CABLE LENGTH	BALLAST	OPTIONS
4 4' Single 8 8' Single - Indicate row length over 8' in 4' increments	AP All Perforated (2T8 only)	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 12402

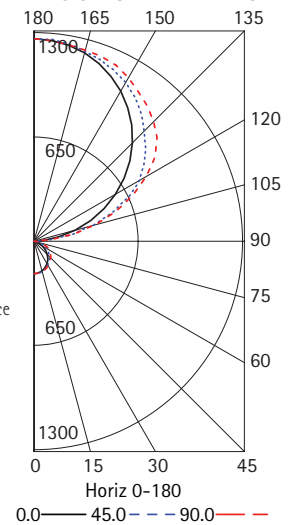
Luminaire	IDC-2T8-AP-E
	Indecon Architectural Curve
	9.5" x 48" 2-L with Perforations Across Housing
Ballast	REL2P32-SC
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	57
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.18 90° = 1.28
Luminous Opening in Feet	Length: 3.99 Width: 0.68 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	805	805	805	805	805
30	738	751	779	797	802
40	689	715	756	798	813
45	651	684	741	802	825
50	605	648	734	802	827
55	553	609	726	816	844
60	476	555	730	825	857
65	394	535	732	854	892
70	325	487	673	812	847
75	276	445	598	736	797
80	206	388	525	685	731
85	91	319	455	637	683

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	75	71	68	65	65	62	60	57	45	44	42	8				
2	68	62	57	53	59	54	50	47	40	37	35	7				
3	62	54	49	44	54	48	43	39	35	32	29	6				
4	56	48	42	37	49	42	37	33	31	27	25	5				
5	52	42	36	31	45	37	32	28	27	24	21	4				
6	47	38	31	27	41	33	28	24	24	21	18	4				
7	44	34	28	23	38	30	24	21	22	18	16	3				
8	40	31	24	20	35	27	22	18	20	16	14	3				
9	37	28	22	18	32	24	19	16	18	15	12	3				
10	35	25	19	16	30	22	17	14	16	13	11	2				

INDOOR CANDELA PLOT


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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	157	2.7	3.2
0-40	256	4.4	5.3
0-60	450	7.8	9.3
0-90	574	9.9	11.8
90-120	1103	19.0	22.8
90-130	1837	31.7	37.9
90-150	3265	56.3	67.3
90-180	4274	73.7	88.2
0-180	4848	83.6	100.0

ENERGY DATA

Total Luminaire Efficiency	83.6%
Luminaire Efficacy Rating (LER)	75
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.20 based on 3000 hrs. and \$0.08 per KWH

Test Date 10/22/99