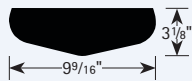


indecon

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
- Perforated housing option allows +/- 5% 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). Fixtures are available with two or three T8 lamps. A unique angling method 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 a combination of painted white steel and specular anodized aluminum for wide distribution and 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-PERF-CM48-EU-MW

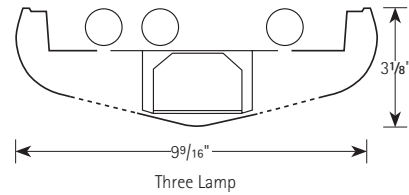
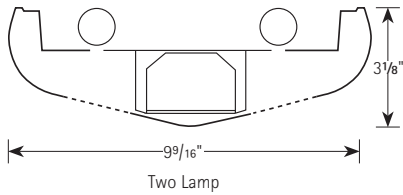
IDC		LAMP TYPE AND PROFILE		MOUNTING		VOLTAGE		FINISH	
MODEL	IDC Indecon	2T8	Two T8 Lamps	FCM	Fixed Cable Mount (Non-adjustable, Std.)	U	120V-277V	MW	Matte White (Std.)
		3T8	Three T8 Lamps	CM	Adjustable Aircraft Cable Mount	120	120V	ZT	ZET Metallic Silver
						277	277V		See MTX-1 for other color selections.
						347	347V		
ROW LENGTH		HOUSING TYPE		ADJUSTABLE CABLE LENGTH		BALLAST		OPTIONS	
4	4' Single	PERF	Perforated	48	48"	E	Electronic, Instant Start, (Std. for T8)	DC	Dust Cover (N/A T5H0)
8	8' Single	HSLT	Horizontal Slot	96	96"	EP	Electronic, Programmed Start (Optional for T8)	WR	White Reflector
-	Indicate row length over 8' in 4' increments	VSLT	Vertical Slot	Other lengths available on request.		ED	Electronic, Dimming (Must specify)	HRF	High Efficiency Reflector
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.						Unless specified, Alera will use fewest ballasts possible.		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)

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 12182

Luminaire	IDC-2T8-PERF-E-NO
	Indecon Architectural Curve
	9.5" x 48" 2-L with Specular Side Reflectors
Ballast	B232I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	57
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.15 90° = 0.93
Luminous Opening in Feet	Length: 3.33 Width: 0.33 Height: 0.00

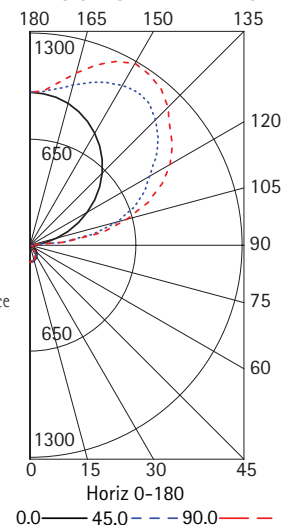
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	1028	1028	1028	1028	1028
30	916	882	814	679	645
40	831	767	588	499	460
45	776	720	526	416	443
50	701	594	442	457	457
55	615	529	444	461	461
60	529	490	451	451	451
65	417	394	440	464	464
70	315	401	430	458	487
75	303	378	454	492	492
80	282	395	508	621	621
85	337	562	787	899	899

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0	0		
1	72	68	65	63	61	59	56	54	41	40	39	3	0			
2	65	60	55	51	56	51	48	45	36	34	32	3	0			
3	59	52	47	42	51	45	41	37	32	29	27	2	0			
4	54	46	40	36	46	40	35	31	28	25	23	2	0			
5	50	41	35	30	42	35	30	27	25	22	19	2	0			
6	45	36	30	26	39	32	26	23	22	19	17	2	0			
7	42	33	27	22	36	28	23	20	20	17	14	1	0			
8	39	29	23	19	33	25	21	17	18	15	13	1	0			
9	36	26	21	17	31	23	18	15	16	13	11	1	0			
10	33	24	19	15	29	21	16	13	15	12	10	1	0			

INDOOR CANDELA PLOT



Test Date 8/12/98

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12188

Luminaire	IDC-3T8-PERF-3E-NO
	Indecon Architectural Curve
	9.5" x 48" 3-L with Specular Side Reflectors
Ballast	B332I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	85
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.16 90° = 0.93
Luminous Opening in Feet	Length: 3.33 Width: 0.33 Height: 0.00

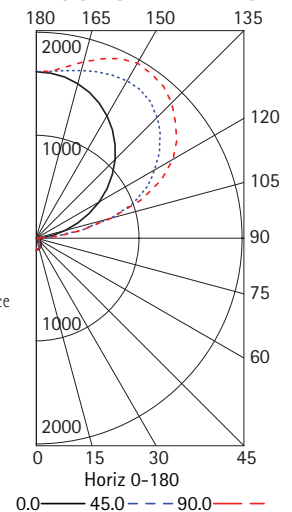
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	1117	1117	1117	1117	1117
30	1007	984	894	769	701
40	908	869	639	575	524
45	845	776	582	485	513
50	762	655	503	518	533
55	649	564	512	546	546
60	549	529	509	529	549
65	464	464	510	533	556
70	344	430	487	544	544
75	303	416	492	568	606
80	282	451	564	677	733
85	337	674	899	1124	1012

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0	0		
1	72	68	65	63	62	59	57	54	41	40	38	2	0			
2	65	60	55	51	56	51	48	45	36	34	32	2	0			
3	59	52	47	43	51	45	41	37	32	29	27	2	0			
4	54	46	40	36	46	40	35	31	28	25	22	1	0			
5	50	41	35	30	42	35	30	27	25	22	19	1	0			
6	45	36	30	26	39	31	26	23	22	19	16	1	0			
7	42	33	27	22	36	28	23	20	20	17	14	1	0			
8	39	29	23	19	33	25	20	17	18	15	12	1	0			
9	36	26	21	17	31	23	18	15	16	13	11	1	0			
10	33	24	19	15	28	21	16	13	15	12	10	1	0			

INDOOR CANDELA PLOT



Test Date 8/18/98