

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, T5, or T5HO lamps
- Heavy 20-gauge steel construction provides excellent housing rigidity
- 3 1/8" deep housing is gently angled for visual interest
- 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

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. The perforations measure .095" in diameter and provide a 23% opening per square inch. Fixtures are available with two or three T8 lamps. A unique angling method on the middle lamp minimizes the length of the fixture without affecting performance or operation. The exact shape of the housing is maintained by the use of an inner structural plate at each socket location. This plate is tabbed and welded into the housing, ensuring housing tolerances are maintained. Aligner fingers are standard on the plate enabling fixtures to be attached together in straight continuous rows without any snaking or twisting.

LOUVER

The straight blade louvers are constructed of 20-gauge steel, are 24" in length, and are painted white. There is one louver for a 4' unit, two for an 8', and 3 for a 12' unit. Perforations on the louver measure .095" in diameter and have an opening of 23% per square inch. The louvers are attached from above and cannot be removed without removing the reflector system. The louver provides 13% downlight when a three lamp system is used.

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: IDCL-8-2T8-S-CM48-EU-MW

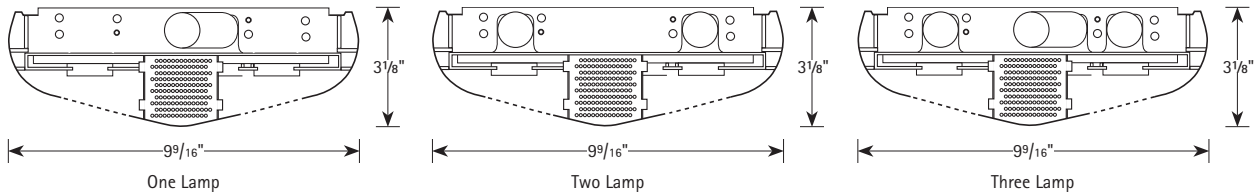
| | | | | | | | | | |
|-------------------|--|------------------------------|----------------|--------------------------------|--|----------------|--|----------------|---|
| MODEL | | LAMP TYPE AND PROFILE | | MOUNTING | | VOLTAGE | | FINISH | |
| IDCL | Indecon Louvered | 2T8 | Two T8 Lamps | FCM | 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 T5HO) |
| 8 | 8' Single | S | Solid | 96 | 96" | EP | Electronic, Programmed Start (Optional for T8) | WR | White Reflector |
| - | Indicate row length over 8' in 4' increments | | | | 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 12418

| | |
|--------------------------|--|
| Luminaire | IDCL-2T8-PERF-E-LSH Indecon Architectural Curve 9.5" x 48" 2-Lamp w/Perf Bottom, Perf Louver, and Uplight Lens |
| Ballast | B2321120RH |
| Ballast Factor | 0.88 |
| Lamp | F32T8 |
| Lumens per Lamp | 2900 |
| Watts | 56 |
| Mounting | Pendant |
| Shielding Angle | 0° = 41 90° = 44 |
| Spacing Criterion | 0° = 1.76 90° = 2.09 |
| Luminous Opening in Feet | Length: 3.33 Width: 0.49 Height: 0.00 |

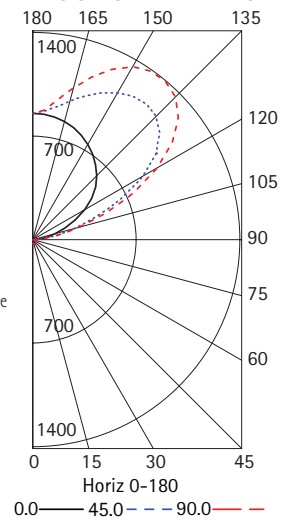
AVG. LUMINANCE (Candela/Sq. M.)

| Angle | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|-----|------|------|------|------|
| 0 | 165 | 165 | 165 | 165 | 165 |
| 30 | 229 | 244 | 259 | 289 | 305 |
| 40 | 258 | 267 | 301 | 336 | 362 |
| 45 | 261 | 271 | 308 | 336 | 364 |
| 50 | 246 | 267 | 287 | 328 | 349 |
| 55 | 219 | 230 | 265 | 299 | 322 |
| 60 | 185 | 198 | 251 | 290 | 303 |
| 65 | 156 | 187 | 234 | 281 | 281 |
| 70 | 135 | 174 | 212 | 251 | 251 |
| 75 | 102 | 153 | 204 | 229 | 229 |
| 80 | 76 | 152 | 152 | 190 | 228 |
| 85 | 0 | 76 | 151 | 151 | 227 |

COEFFICIENTS OF UTILIZATION (%)

| RCR | 80 | | | | | 70 | | | | | 50 | | | | | 0 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|--|---|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | 0 | | |
| 1 | 65 | 62 | 59 | 57 | 56 | 53 | 51 | 49 | 37 | 36 | 34 | 2 | 0 | | | |
| 2 | 59 | 54 | 50 | 46 | 50 | 46 | 43 | 40 | 32 | 30 | 28 | 1 | 0 | | | |
| 3 | 54 | 47 | 42 | 38 | 46 | 41 | 37 | 33 | 28 | 26 | 24 | 1 | 0 | | | |
| 4 | 49 | 42 | 36 | 32 | 42 | 36 | 31 | 28 | 25 | 22 | 20 | 1 | 0 | | | |
| 5 | 45 | 37 | 31 | 27 | 38 | 32 | 27 | 24 | 22 | 19 | 17 | 1 | 0 | | | |
| 6 | 41 | 33 | 27 | 23 | 35 | 28 | 24 | 20 | 20 | 17 | 15 | 1 | 0 | | | |
| 7 | 38 | 29 | 24 | 20 | 32 | 25 | 21 | 18 | 18 | 15 | 13 | 1 | 0 | | | |
| 8 | 35 | 26 | 21 | 17 | 30 | 23 | 18 | 15 | 16 | 13 | 11 | 1 | 0 | | | |
| 9 | 32 | 24 | 19 | 15 | 27 | 21 | 16 | 13 | 14 | 12 | 10 | 0 | 0 | | | |
| 10 | 30 | 22 | 17 | 13 | 26 | 19 | 15 | 12 | 13 | 10 | 8 | 0 | 0 | | | |

INDOOR CANDELA PLOT



Test Date 12/9/99

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12418

| | |
|--------------------------|---|
| Luminaire | IDCL-3T8-PERF-E-LSH Indecon Architectural Curve 9.5" x 48" 2-Lamp w/Perf Bottom, Perf Louvers, and Uplight Lens |
| Ballast | B3321120RHH |
| Ballast Factor | 1.18 |
| Lamp | F32T8 |
| Lumens per Lamp | 2900 |
| Watts | 107 |
| Mounting | Pendant |
| Shielding Angle | 0° = 41 90° = 44 |
| Spacing Criterion | 0° = 0.98 90° = 0.93 |
| Luminous Opening in Feet | Length: 3.33 Width: 0.49 Height: 0.00 |

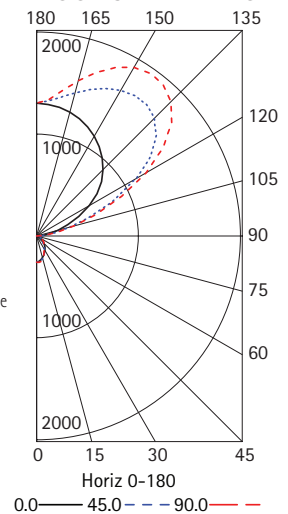
AVG. LUMINANCE (Candela/Sq. M.)

| Angle | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|------|------|------|------|------|
| 0 | 1689 | 1689 | 1689 | 1689 | 1689 |
| 30 | 1234 | 1264 | 1181 | 1074 | 1066 |
| 40 | 1051 | 1051 | 904 | 870 | 904 |
| 45 | 933 | 933 | 821 | 858 | 942 |
| 50 | 842 | 811 | 770 | 893 | 944 |
| 55 | 759 | 702 | 736 | 817 | 851 |
| 60 | 699 | 633 | 699 | 752 | 792 |
| 65 | 609 | 593 | 671 | 718 | 734 |
| 70 | 540 | 540 | 636 | 656 | 675 |
| 75 | 484 | 484 | 561 | 586 | 612 |
| 80 | 380 | 456 | 494 | 532 | 532 |
| 85 | 303 | 303 | 378 | 378 | 454 |

COEFFICIENTS OF UTILIZATION (%)

| RCR | 80 | | | | | 70 | | | | | 50 | | | | | 0 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|--|---|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | 0 | | |
| 1 | 63 | 60 | 58 | 55 | 55 | 52 | 50 | 48 | 37 | 36 | 35 | 5 | 0 | | | |
| 2 | 58 | 53 | 49 | 45 | 50 | 46 | 43 | 40 | 33 | 31 | 29 | 4 | 0 | | | |
| 3 | 53 | 46 | 42 | 38 | 45 | 40 | 36 | 33 | 29 | 26 | 24 | 3 | 0 | | | |
| 4 | 48 | 41 | 36 | 32 | 41 | 36 | 31 | 28 | 26 | 23 | 21 | 3 | 0 | | | |
| 5 | 44 | 36 | 31 | 27 | 38 | 32 | 27 | 24 | 23 | 20 | 18 | 3 | 0 | | | |
| 6 | 40 | 32 | 27 | 23 | 35 | 28 | 24 | 20 | 20 | 17 | 15 | 2 | 0 | | | |
| 7 | 37 | 29 | 24 | 20 | 32 | 25 | 21 | 18 | 18 | 15 | 13 | 2 | 0 | | | |
| 8 | 34 | 26 | 21 | 17 | 30 | 23 | 18 | 15 | 17 | 14 | 12 | 2 | 0 | | | |
| 9 | 32 | 24 | 19 | 15 | 27 | 21 | 16 | 14 | 15 | 12 | 10 | 2 | 0 | | | |
| 10 | 29 | 21 | 17 | 14 | 26 | 19 | 15 | 12 | 14 | 11 | 9 | 2 | 0 | | | |

INDOOR CANDELA PLOT



Test Date 12/9/99