

DESCRIPTION

Corelite's Iridium Perf suspended semi-indirect fluorescent luminaire features elegant styling with sleek profile and end caps. The engineered optical system provides a widespread uplight distribution for excellent ceiling uniformity and wide row spacing. The perforated fixture housing creates a soft downlight component to closely match the ceiling brightness, which minimizes contrast on computer screens. Iridium may be mounted individually or continuously with 4', 8' and 12' modular sections. Luminaires align with T-Grid and interface with all ceiling types. Iridium is suited for open offices, private offices, conference rooms, corridors, schools, libraries, labs and public spaces.

SPECIFICATION FEATURES

A ... Construction

Housing is one piece die-formed cold rolled steel, forming a 9"x 2-1/2" architectural profile. Standard 4'-0", 8'-0", and 12'-0" fixture lengths combine for continuous runs.

B ... End Caps

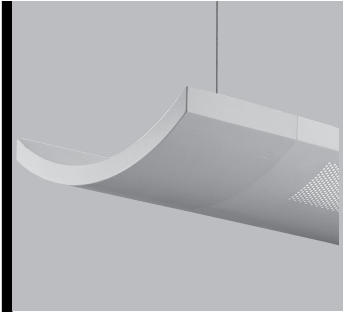
Standard Straight and optional Beveled end caps are precision die-cast aluminum mechanically attached without exposed fasteners.

C ... Reflectors

Reflector pan is painted with a high reflectance white powder coat finish. Optional die-formed side reflectors are highly specular anodized aluminum.

D ... Electrical

T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

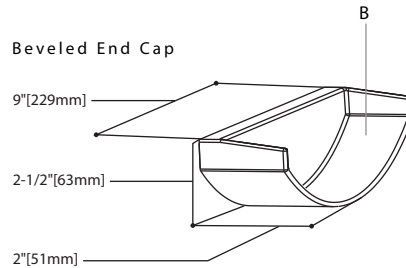
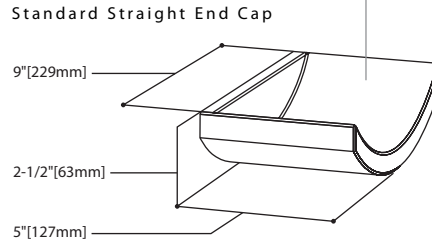
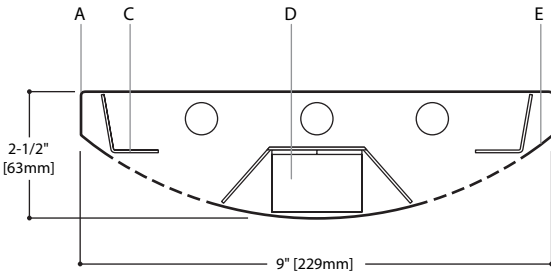


Iridium Perf

3T5
3T5HO

Suspended
Semi-Indirect

Light Distribution
Indirect - 94.7%
Direct - 5.3%



MODULES AND DIMENSIONS*



*Dimensions do not include end caps.



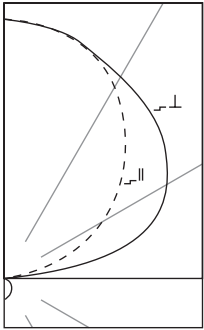
ORDERING INFORMATION

Sample Number: IP-WP-3T5-1C-UNV-AC48-T1-12-ES

| | | | | | | |
|---|--|--|--|---|---|--|
| Series IP: Iridium Perf Suspended | Number of Lamps 3: 3 Lamps | Wiring ¹ B: Battery Pack C: Standard Circuit D: Dimming E: Emergency T: Nightlight Y: Daylight | Voltage ¹ 120: 120V 277: 277V 347: 347V UNV: Universal (120V-277V) | Suspension A: Aircraft Cable P: Rigid Pendant | Suspension Length Fixed Cable 12", 15", 18", 21", 24", or 27" (+/- 1/2" adjustment) Adjustable Cable 48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable) | Ceiling Type T1: 1" T-Bar T9: 9/16" T-Bar TS: Slotted T-Bar ST: Structure JB: 4" Octagonal J-Box |
| Optics Up S: Specular W: White | Lamp Type N5: T5 Normal Output T5: T5 High Output | | | Power Feed ¹ C: Straight Cord K: Curly Cord P: Rigid Pendant | Rigid Pendant ² 12", 15", 18", 21", 24", or 27" | Run Length Individually Mounted Luminaires may be 4', 8', or 12' in length Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections |

Notes: ¹ Not all options available. Please consult your Cooper Lighting Solutions Representative for availability.
² Consult adder section of the price guide for additional standard lengths.

PHOTOMETRICS



IP-WP-3T5
 (3) FP54/841/HO
 4500 Lumens
 Efficiency 95.6%
 Test Report
 #LSI15724

Coefficients of Utilization

| rc | Effective floor cavity reflectance | | | | | | | | | | | | | | | | | | |
|-----|------------------------------------|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|-----|----|----|----|----|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | 10% | | 0% | | |
| rw | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | 0 | 92 | 92 | 92 | 80 | 80 | 80 | 80 | 56 | 56 | 56 | 34 | 34 | 34 | 14 | 14 | 14 | 05 | |
| | 1 | 84 | 80 | 76 | 73 | 72 | 69 | 66 | 63 | 49 | 47 | 45 | 30 | 29 | 28 | 13 | 12 | 12 | 04 |
| | 2 | 76 | 70 | 64 | 59 | 65 | 60 | 56 | 52 | 42 | 40 | 37 | 26 | 25 | 23 | 11 | 10 | 10 | 03 |
| | 3 | 70 | 61 | 55 | 50 | 60 | 53 | 48 | 44 | 37 | 34 | 31 | 23 | 21 | 20 | 10 | 09 | 08 | 03 |
| | 4 | 63 | 54 | 47 | 42 | 54 | 47 | 41 | 37 | 33 | 29 | 27 | 20 | 18 | 17 | 09 | 08 | 07 | 03 |
| | 5 | 58 | 47 | 41 | 35 | 50 | 41 | 35 | 31 | 29 | 25 | 22 | 18 | 16 | 14 | 08 | 07 | 06 | 02 |
| | 6 | 53 | 42 | 35 | 30 | 46 | 37 | 31 | 27 | 26 | 22 | 19 | 16 | 14 | 12 | 07 | 06 | 05 | 02 |
| | 7 | 49 | 38 | 31 | 26 | 42 | 33 | 27 | 23 | 23 | 19 | 17 | 15 | 12 | 11 | 06 | 05 | 05 | 02 |
| | 8 | 45 | 34 | 27 | 23 | 39 | 30 | 24 | 20 | 21 | 17 | 14 | 13 | 11 | 09 | 06 | 05 | 04 | 01 |
| | 9 | 42 | 31 | 24 | 20 | 36 | 27 | 21 | 17 | 19 | 15 | 13 | 12 | 10 | 08 | 05 | 04 | 04 | 01 |
| | 10 | 39 | 28 | 22 | 17 | 33 | 24 | 19 | 15 | 17 | 14 | 11 | 11 | 09 | 07 | 05 | 04 | 03 | 01 |

Candela

| Angle | Along \parallel | 45° | Across \perp |
|-------|-------------------|------|----------------|
| 0 | 232 | 232 | 232 |
| 5 | 235 | 231 | 228 |
| 15 | 223 | 223 | 220 |
| 25 | 203 | 205 | 206 |
| 35 | 173 | 179 | 181 |
| 45 | 135 | 147 | 156 |
| 55 | 91 | 118 | 134 |
| 65 | 44 | 89 | 112 |
| 75 | 16 | 60 | 83 |
| 85 | 0 | 27 | 49 |
| 90 | 0 | 35 | 43 |
| 95 | 122 | 449 | 435 |
| 105 | 680 | 1483 | 1735 |
| 115 | 1280 | 1950 | 2345 |
| 125 | 1844 | 2276 | 2669 |
| 135 | 2338 | 2593 | 2849 |
| 145 | 2754 | 2850 | 3023 |
| 155 | 3078 | 3121 | 3143 |
| 165 | 3299 | 3307 | 3305 |
| 175 | 3405 | 3380 | 3353 |
| 180 | 3391 | 3391 | 3391 |

Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Fixture |
|--------|--------|-------|----------|
| 0-30 | 178 | 1.32 | 1.38 |
| 0-40 | 289 | 2.15 | 2.25 |
| 0-60 | 504 | 3.74 | 3.91 |
| 0-90 | 677 | 5.02 | 5.25 |
| 40-90 | 387 | 2.87 | 3.00 |
| 60-90 | 172 | 1.28 | 1.34 |
| 90-180 | 12223 | 90.54 | 94.75 |
| 0-180 | 12900 | 95.56 | 100.00 |

Luminance Data

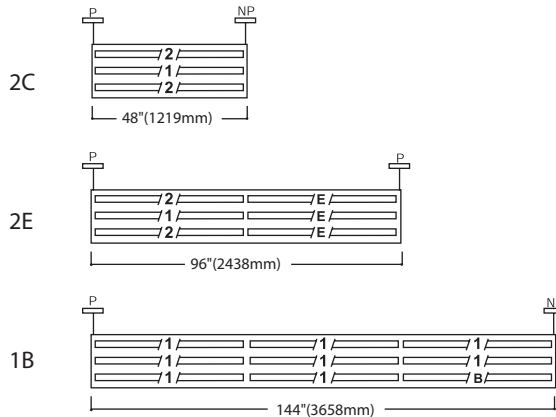
| Angle in Deg | 0-Deg cd/sm | 45-Deg cd/sm | 90-Deg cd/sm |
|--------------|-------------|--------------|--------------|
| 45 | 1626 | 1774 | 1888 |
| 55 | 1362 | 1768 | 2010 |
| 65 | 893 | 1823 | 2179 |
| 75 | 523 | 1755 | 1979 |
| 85 | 0 | 1098 | 1501 |

COMMON CIRCUIT CONFIGURATIONS FOR THREE LAMP SUSPENDED FIXTURES

2C = Two circuit luminaire
 2E = Two circuit luminaire with emergency circuit
 1B = Single circuit luminaire with battery pack

/1/ = Circuit 1
 /2/ = Circuit 2
 /E/ = Emergency Circuit
 /B/ = Battery Circuit

= Power Mount
 = Non-Power Mount



STANDARD ROW CONFIGURATIONS

| FIXTURE LENGTH | 4' | 8' | 12' | 16' | 20' | 24' | 28' | 32' | 36' | 40' | 44' | 48' | 52' | 56' | 60' | 64' | 68' | 72' | 76' | 80' | 84' | 88' | 92' | 96' | 100' | 104' | 108' |
|----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 4' | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8' | | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | |
| 12' | | | 1 | | 1 | 2 | 1 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 5 | 4 | 5 | 6 | 5 | 6 | 7 | 6 | 7 | 8 | 7 | 8 | 9 |