

**DESCRIPTION**

Corelite's Iridium Perf suspended semi-indirect fluorescent luminaire features elegant styling with a sleek profile and end caps. The engineered optical system provides a widespread upright 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**

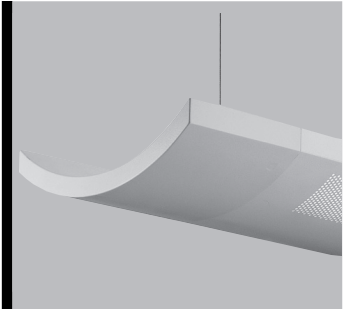
Fixtures are prewired with quick wire connectors and use UL listed Class P, T5HO program rapid start universal voltage electronic ballasts. Power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

**E ... Finish**

Fixture housings are standard white using electrostatically applied polyester powder coat paint.

**F ... Mounting**

Standard aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers. Refer to installation section for various ceiling interface details and rigid pendant mounting details.



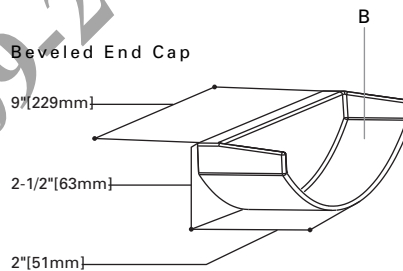
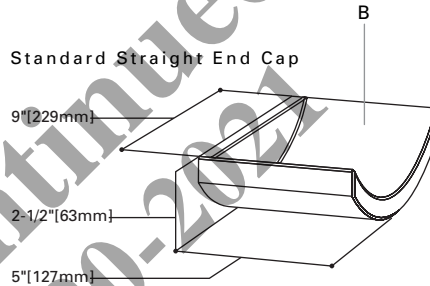
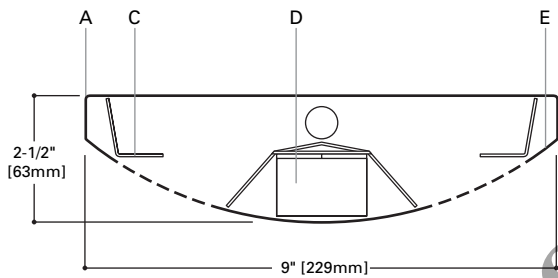
**Iridium Perf**

**1T5HO**

**Suspended  
Semi-Indirect**

**Light Distribution**

**Indirect - 96.7%  
Direct - 3.3%**



**MODULES AND DIMENSIONS\***



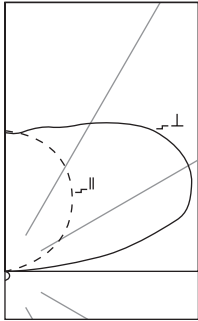
\*Dimensions do not include end caps.

**ORDERING INFORMATION**

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

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

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.



IP-WP-1T5  
(1) FP54/841/HO  
4500 Lumens

Efficiency 95.4%

Test Report  
#LS15720

Coefficients of Utilization

rc	Effective floor cavity reflectance																		
	80%					70%					20%								
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	92	92	92	92	79	79	79	79	55	55	55	33	33	33	13	13	13	03
	1	83	79	76	73	71	68	66	62	48	46	44	29	28	27	11	11	10	03
	2	76	69	64	59	65	59	55	51	42	39	36	25	23	22	10	09	09	02
	3	69	61	54	49	59	52	47	43	37	33	31	22	20	19	08	08	07	02
	4	63	53	47	41	54	46	40	36	32	29	26	19	18	16	08	07	06	02
	5	57	46	40	35	49	41	35	31	29	25	22	17	15	14	07	06	05	01
	6	53	42	35	30	45	36	30	26	26	22	19	15	13	12	06	05	05	01
	7	48	38	31	26	41	32	27	23	23	19	16	14	12	10	05	05	04	01
	8	45	34	27	22	38	29	23	20	21	17	14	13	10	09	05	04	03	01
	9	41	30	24	19	35	26	21	17	19	15	12	11	09	08	04	04	03	01
	10	38	28	21	17	33	24	19	15	17	13	11	10	08	07	04	03	03	01

Candela

Angle	Along II	45°	Across I
0	45	45	45
5	45	45	43
15	42	42	43
25	39	39	40
35	34	35	37
45	27	29	32
55	20	24	29
65	13	19	25
75	8	14	20
85	2	8	13
90	10	13	14
95	29	274	262
105	138	704	893
115	267	818	1105
125	395	857	1146
135	509	841	1095
145	607	805	990
155	682	787	875
165	736	783	816
175	762	750	752
180	753	753	753

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	34	0.76	0.80
0-40	56	1.25	1.31
0-60	99	2.22	2.32
0-90	141	3.14	3.29
40-90	85	1.89	1.99
60-90	41	0.92	0.97
90-180	4150	92.23	96.71
0-180	4291	95.37	100.00

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	326	350	393
55	302	362	440
65	267	384	484
75	268	419	486
85	178	330	403

COMMON CIRCUIT CONFIGURATIONS FOR ONE LAMP SUSPENDED FIXTURES

1C=Single circuit luminaire

1E=Single circuit luminaire with emergency circuit

1B=Single circuit luminaire with battery pack

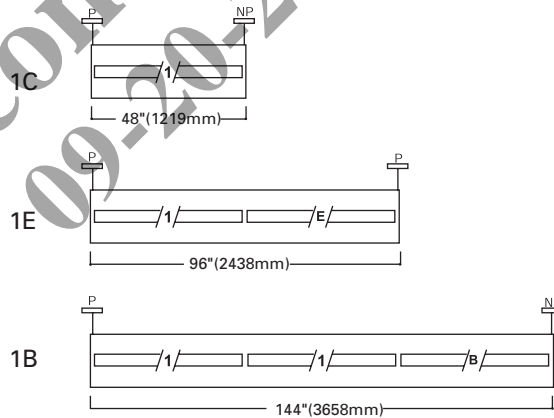
/1/ =Circuit 1

/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	