DESCRIPTION

The next generation addition to the Iridium family, the direct-indirect i2 series, offers a generous open center aperture for maximum versatility in optics, lamping and distribution. The i2 is also available with adjustable uplight and downlight optics for evolving interior spaces with Corelite's Slide-N-Lock (TM) optics accessory. i2 may be mounted individually or continuously with 4' and 8' modular sections. Luminaires align with T-Grid and interface with all ceiling types. The i2 is ideally suited for open offices, conference rooms, classrooms, libraries, labs and public spaces.

Catalog #		Type
Project		
Comments		Date
Prepared by		

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" and 8'-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 ... Inlay
Inlay is comprised of 0.025" perforated white powder coat aluminum and frosted acrylic backing.

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

E ... 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.

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

Mounting
Standard aircraft cable mounts on 4'-0" and 8'-0" centers. Refer to installation section for various ceiling interface details.
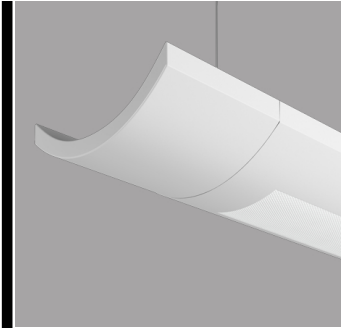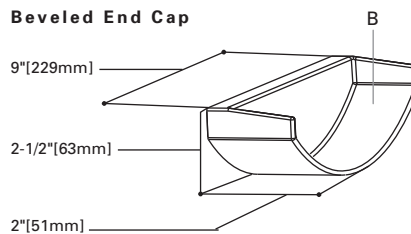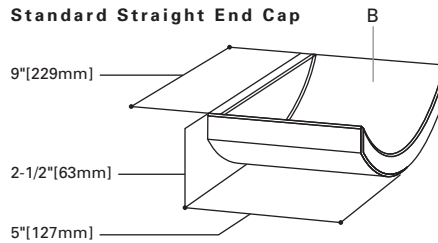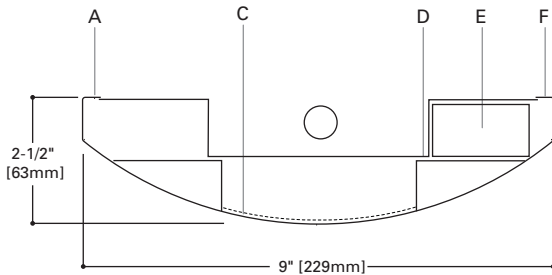
i2
Perf Inlay

1T5
1T5HO

Suspended
Semi-Indirect

Light Distribution
Indirect - 93.1%
Direct - 6.9%

A C D E F

2-1/2" [63mm]

9" [229mm]

Standard Straight End Cap   B

9"[229mm]
2-1/2"[63mm]
5"[127mm]

Beveled End Cap   B

9"[229mm]
2-1/2"[63mm]
2"[51mm]

MODULES AND DIMENSIONS*

48" [1219mm]

96" [2438mm]

*Dimensions do not include end caps.

fifthlight technology

ORDERING INFORMATION

Sample Number: I2-WD-1T5-1C-UNV-AC48-T1-12-ES

Series	**Number of Lamps**	**Wiring** [1]	**Voltage** [1]	**Suspension**	**Ceiling Type**
I2= i2 Suspended	**1**= 1 Lamp	**B**= Battery Pack	**120**= 120V	**A**= Aircraft Cable	**T1**= 1" T-Bar
		C= Standard Circuit	**277**= 277V		**T9**= 9/16" T-Bar
Optics Up	**Lamp Type**	**D**= Dimming	**347**= 347V	**Power Feed** [1]	**TS**= Slotted T-Bar
S= Specular	**N5**= T5 Normal Output	**E**= Emergency	**UNV**= Universal (120V-277V)	**C**= Straight Cord	**ST**= Structure
W= White	**T5**= T5 High Output	**T**= Nightlight		**K**= Curly Cord	**JB**= 4" Octagonal J-Box
		Y= Daylight			
Optics Down	**Number of Circuits** [1]			**Suspension Length**	**Run Length**
D= Perf Inlay	**1**= 1 Circuit			**Adjustable Cable** 48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)	**Individually Mounted** Luminaires may be 4' or 8' in length **Continuously Mounted** Standard row configurations over 8' consist of 4' and 8' sections

Notes: 1   Not all options available. Please consult your Cooper Lighting Representative for availability.

Specifications and Dimensions subject to change without notice.
Consult your representative for additional options and finishes.

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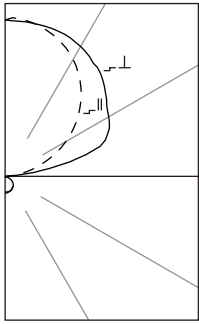
I2-WD-2T5
(1) F54T5/TL835
4500 Lumens

Efficiency 90.9%

Test Report
#LSI26350

Coefficients of Utilization

rc	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	88	88	88	88	76	76	76	76	54	54	54	34	34	34	15	15	15	6
1	80	76	73	70	69	66	64	61	47	45	44	29	29	28	13	13	13	5
2	73	67	62	57	63	58	54	50	41	39	36	26	24	23	12	11	11	5
3	66	59	52	48	57	51	46	42	36	33	30	23	21	20	10	10	9	4
4	61	52	45	40	52	45	39	35	32	29	26	20	18	17	9	8	8	3
5	55	46	39	34	48	40	34	30	29	25	22	18	16	14	8	7	7	3
6	51	41	34	29	44	35	30	26	25	22	19	16	14	12	7	7	6	3
7	47	37	30	25	40	32	26	22	23	19	16	15	12	11	7	6	5	2
8	43	33	26	22	37	29	23	19	21	17	14	14	11	9	6	5	5	2
9	40	30	24	19	35	26	21	17	19	15	13	12	10	8	6	5	4	2
10	37	27	21	17	32	24	19	15	17	14	11	11	9	7	5	4	4	2

Effective floor cavity reflectance 20%

Candela

Angle	Along II	45°	Across I
0	106	106	106
5	108	106	103
15	104	103	101
25	97	95	95
35	85	85	85
45	69	70	69
55	50	51	49
65	31	30	29
75	18	13	12
85	4	3	2
90	0	1	1
95	42	114	78
105	192	493	547
115	368	599	755
125	544	717	814
135	701	828	903
145	935	913	965
155	939	979	1011
165	1008	1012	1026
175	1046	1031	1029
180	1035	1035	1035

Zonal Lumen Summary

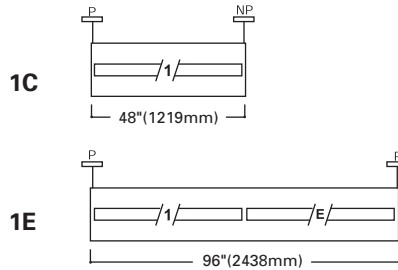| Zone	Lumens	%Lamp	%Fixture
0-30	83	1.9	2.0
0-40	137	3.0	3.3
0-60	235	5.2	5.7
0-90	283	6.3	6.9
40-90	146	3.3	3.6
60-90	48	1.1	1.2
90-180	3808	84.6	93.1
0-180	4090	90.9	100.00

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	920	938	924
55	826	839	807
65	700	678	646
75	672	464	442
85	477	304	249

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

P =Power Mount

NP =Non-Power Mount

1C   P   NP   /1/   48"(1219mm)

1E   P   P   /1/ /E/   96"(2438mm)

Specifications and Dimensions subject to change without notice.
Corelite • 18001 E. Colfax Ave. • Aurora, CO 80011 • 303.393.1522 • FAX 303.393.1477

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