

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 ... Baffle

Standard white aluminum with perforated blades spaced 1-1/2" on-center with a 3-5/8" opening.

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

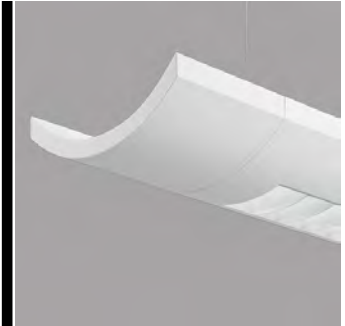
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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 Baffle

1T5
1T5HO

Suspended
Direct/Indirect

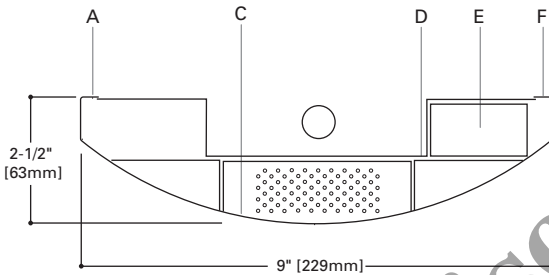
Light Distribution
Indirect - 70.4%
Direct - 29.6%



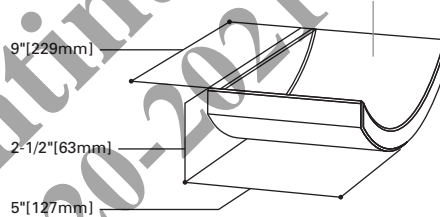
fifthlight
technology



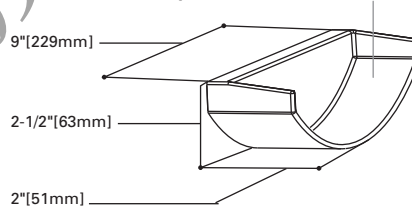
SLIDE-N-LOCK™



Standard Straight End Cap



Beveled End Cap



MODULES AND DIMENSIONS*

48" [1219mm]

96" [2438mm]

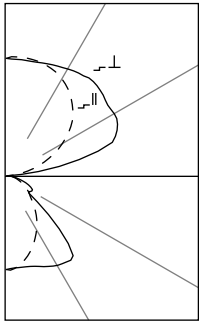
*Dimensions do not include end caps.

ORDERING INFORMATION

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

Series I2: i2 Suspended	Number of Lamps 1: 1 Lamp	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	Ceiling Type T1: 1" T-Bar T9: 9/16" T-Bar TS: Slotted T-Bar ST: Structure JB: 4" Octagonal J-Box	Options Slide-N-Lock™ DL1 DL2 DL3 DL4 DL5 DL6 DL7 DL8
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	Run Length Individually Mounted Luminaires may be 4' or 8' in length Continuously Mounted Standard row configurations over 8' consist of 4' and 8' sections	
Optics Down F: Perf Baffle	Number of Circuits 1 1: 1 Circuit			Suspension Length Adjustable Cable 48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)		

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



I2-WF-1T5
(1) FP54/841/HO
4500 Lumens

Efficiency 95.3%

Test Report
#LSI26361

Coefficients of Utilization

rc	Effective 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	98	98	98	98	87	87	87	87	69	69	69	51	51	51	36	36	36	28
1	89	85	82	79	80	77	74	71	46	58	57	46	44	43	32	31	30	24
2	81	75	69	64	73	67	63	59	53	50	47	40	38	36	28	27	26	21
3	74	66	59	54	66	59	54	49	47	43	40	36	33	31	25	24	22	18
4	68	58	51	46	61	53	46	42	42	37	34	32	29	27	23	21	19	15
5	62	52	44	39	56	47	41	36	37	33	29	29	26	23	20	19	17	14
6	57	46	39	34	51	42	36	31	34	29	26	26	23	20	19	17	15	12
7	53	42	35	29	47	38	32	27	30	26	22	24	20	18	17	15	13	11
8	49	38	31	26	44	34	28	24	28	23	20	21	18	16	16	14	12	10
9	46	34	28	23	41	31	25	21	25	21	18	20	17	14	14	12	11	9
10	43	31	25	21	38	29	23	19	23	19	16	18	15	13	13	11	10	8

Candela

Angle	Along II	45°	Across I
0	523	523	523
5	522	520	518
15	465	488	524
25	386	450	560
35	299	408	589
45	212	347	421
55	151	209	155
65	96	102	153
75	54	54	77
85	14	16	16
90	0	6	0
95	34	109	82
105	156	447	533
115	295	530	687
125	425	607	694
135	526	650	718
145	599	663	707
155	647	669	682
165	669	664	662
175	672	663	659
180	661	661	661

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	401	8.9	9.4
0-40	667	14.8	15.5
0-60	1079	24.0	25.1
0-90	1271	28.2	29.6
40-90	604	13.4	14.1
60-90	192	4.2	4.5
90-180	3018	67.1	70.4
0-180	4289	95.3	100.0

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	2838	4643	5629
55	2485	3448	2548
65	2156	2290	3422
75	1983	1958	2808
85	1497	1735	1768

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

