

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

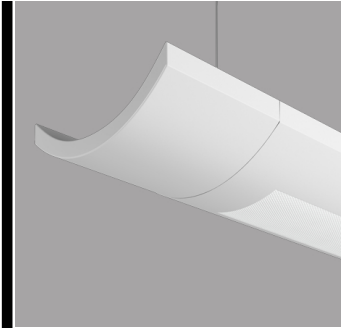
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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 and rigid pendant mounting details.

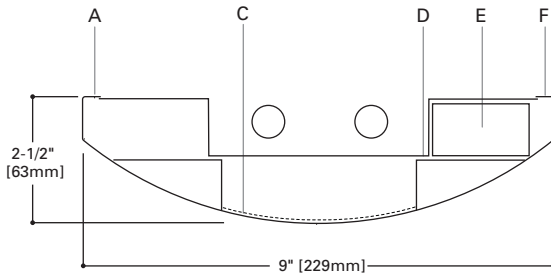


i2 Perf Inlay

2T5
2T5HO

Suspended
Semi-Indirect

Light Distribution
Indirect - 92.5%
Direct - 7.5%



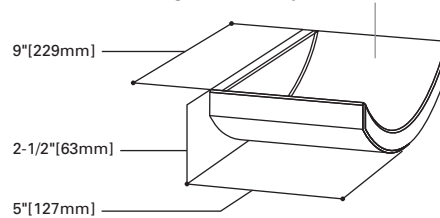
MODULES AND DIMENSIONS*

48" [1219mm]

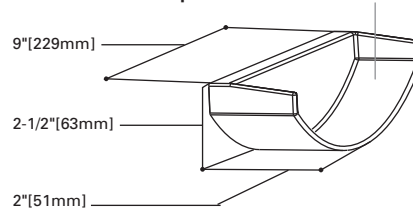
96" [2438mm]

*Dimensions do not include end caps.

Standard Straight End Cap



Beveled End Cap

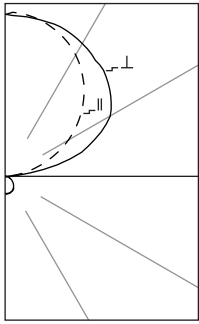


ORDERING INFORMATION

Sample Number: I2-WD-2T5-1C-UNV-AC48-T1-12-ES

Series I2: i2 Suspended	Number of Lamps 2: 2 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	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	
Optics Down D: Perf Inlay	Number of Circuits ¹ 1: 1 Circuit 2: 2 Circuits			Suspension Length Adjustable Cable 48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)	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

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



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

Efficiency 86.9%

Test Report
#LSI26352

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	50	30	10	50	30	10	50	30	10	
RCR	0	84	84	84	84	73	73	73	73	52	52	52	33	33	33	15	15	15	7	0	0	0	0	0	0	0	0
	1	77	73	70	67	66	64	61	59	45	44	42	29	28	27	13	13	13	6								
	2	70	64	59	55	60	55	51	48	40	37	35	25	24	22	12	11	11	5								
	3	64	56	50	46	55	49	44	40	35	32	29	22	20	19	10	10	9	4								
	4	58	49	43	38	50	43	38	34	31	27	25	20	18	16	9	8	8	3								
	5	53	44	37	33	46	38	33	29	27	24	21	17	15	14	8	7	7	3								
	6	49	39	33	28	4	234	29	25	25	21	18	16	14	12	7	6	6	3								
	7	45	35	29	24	39	31	25	21	22	18	16	14	12	10	7	6	5	2								
	8	41	32	25	21	36	28	22	19	20	16	14	13	11	9	6	5	4	2								
	9	38	29	23	18	33	25	20	16	18	15	12	12	10	8	6	5	4	2								
	10	36	26	20	16	31	23	18	14	17	13	11	11	9	7	5	4	4	2								

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	173	1.9	2.2
0-40	284	3.2	3.6
0-60	488	5.4	6.2
0-90	590	6.6	7.5
40-90	306	3.4	3.9
60-90	102	1.2	1.3
90-180	7233	80.4	92.5
0-180	7824	86.9	100.00

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	1900	1942	1934
55	1702	1750	1714
65	1445	1420	1393
75	1388	1015	986
85	911	737	727

Candela

Angle	Along II	45°	Across I
0	221	221	221
5	223	221	216
15	216	214	210
25	201	198	199
35	176	177	177
45	142	145	145
55	103	106	104
65	65	64	62
75	38	28	27
85	8	7	7
90	0	1	2
95	75	189	168
105	374	771	844
115	731	1152	1332
125	1080	1398	1628
135	1394	1607	1794
145	1660	1785	1894
155	1868	1934	1989
165	2006	2004	2032
175	2081	2052	2044
180	2060	2060	2060

COMMON CIRCUIT CONFIGURATIONS FOR ONE 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

