

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

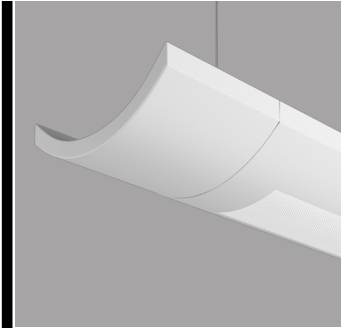
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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.

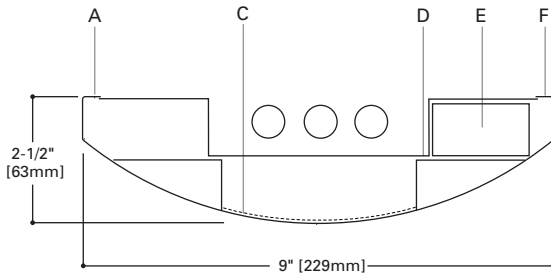


i2 Perf Inlay

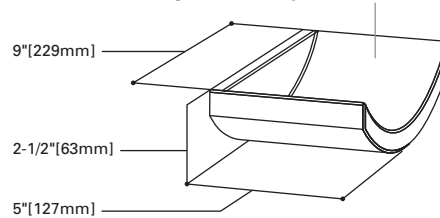
3T5
3T5HO

Suspended
Semi-Indirect

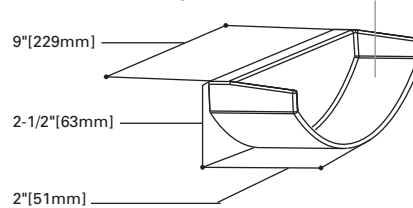
Light Distribution
Indirect - 90.5%
Direct - 9.5%



Standard Straight End Cap



Beveled End Cap



MODULES AND DIMENSIONS*

48" [1219mm]

96" [2438mm]

*Dimensions do not include end caps.

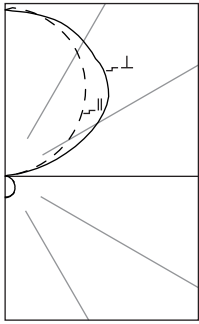


ORDERING INFORMATION

Sample Number: I2-WD-3T5-1C-UNV-AC48-T1-12-ES

Series I2: i2 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	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	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 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)	

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



I2-WD-3T5
(3) F54T5/TL835
4500 Lumens

Efficiency 85.7%

Test Report
#LSI26354

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	50	30	10	0					
RCR	0	84	84	84	84	73	73	73	73	52	52	52	33	33	33	16	16	16	8	8	8	8	8	8	8	8	8	8	8	8					
	1	76	73	69	67	66	63	61	58	45	44	42	29	28	28	14	14	14	7	7	7	7	7	7	7	7	7	7	7	7					
	2	69	63	58	54	60	55	51	48	40	37	35	26	24	23	13	12	11	6	6	6	6	6	6	6	6	6	6	6	6					
	3	63	56	50	45	55	48	44	40	35	32	29	23	21	19	11	10	10	5	5	5	5	5	5	5	5	5	5	5	5					
	4	58	49	43	38	50	43	38	34	31	28	25	20	18	17	10	9	8	4	4	4	4	4	4	4	4	4	4	4	4					
	5	53	43	37	32	46	38	33	29	28	24	21	18	16	14	9	8	7	4	4	4	4	4	4	4	4	4	4	4	4					
	6	48	39	32	28	42	34	28	25	25	21	18	16	14	12	8	7	6	3	3	3	3	3	3	3	3	3	3	3	3					
	7	44	35	28	24	38	30	25	21	22	19	16	14	12	11	7	6	6	3	3	3	3	3	3	3	3	3	3	3	3					
	8	41	31	25	21	36	27	22	19	20	17	14	13	11	9	7	6	5	3	3	3	3	3	3	3	3	3	3	3	3					
	9	38	28	22	18	33	25	20	16	18	15	12	12	10	8	6	5	4	2	2	2	2	2	2	2	2	2	2	2	2					
	10	35	26	20	16	31	23	18	14	17	13	11	11	9	7	6	5	4	2	2	2	2	2	2	2	2	2	2	2	2					

Candela

Angle	Along II	45°	Across I
0	412	412	412
5	414	413	404
15	401	401	394
25	373	371	368
35	327	327	326
45	264	267	264
55	191	194	189
65	120	117	115
75	68	54	52
85	18	14	12
90	1	4	3
95	118	164	134
105	583	865	814
115	1128	1637	1645
125	1661	2109	2344
135	2138	2438	2682
145	2540	2723	2857
155	2856	2959	3034
165	3065	3071	3111
175	3180	3136	3129
180	3149	3149	3149

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	323	2.4	2.8
0-40	527	3.9	4.6
0-60	902	6.7	7.8
0-90	1095	8.1	9.5
40-90	568	4.2	4.9
60-90	193	1.4	1.7
90-180	10470	77.6	90.5
0-180	11565	85.7	100.0

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	3528	2569	3533
55	3149	3194	3110
65	2673	2610	2574
75	2480	1954	1884
85	1898	1551	1312

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

