

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

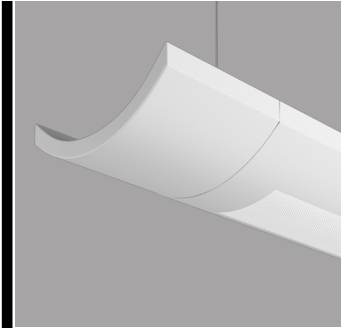
Fixtures are prewired with quick wire connectors and use UL listed Class P, 265ma T8 instant start universal voltage electronic ballasts. Power factor of 95% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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.

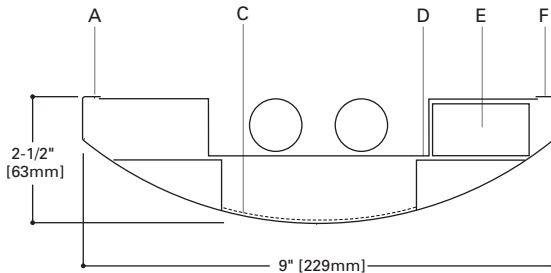


i2 Perf Inlay

2T8

**Suspended
Semi-Indirect**

Light Distribution
Indirect - 91.3%
Direct - 8.7%



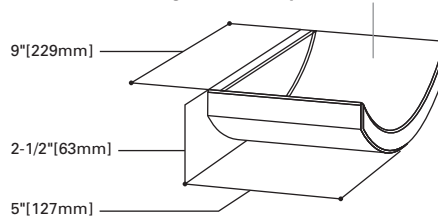
MODULES AND DIMENSIONS*

48" [1219mm]

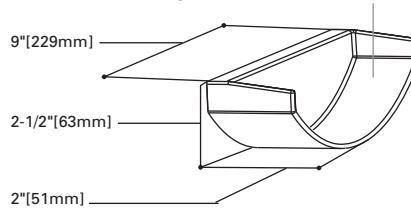
96" [2438mm]

*Dimensions do not include end caps.

Standard Straight End Cap



Beveled End Cap

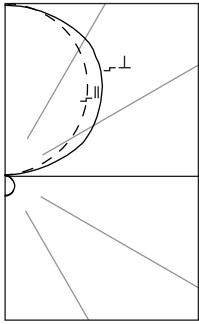


ORDERING INFORMATION

Sample Number: I2-WD-2T8-1C-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 T8: T8 Normal 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-2T8
(2) F32T8/TL835
3000 Lumens

Efficiency 88.8%

Test Report
#LSI26353

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	86	86	86	86	75	75	75	75	54	54	54	34	34	34	16	16	16	16	8	8	8	8	8	8	8	8	8	8
1	79	75	72	69	68	65	63	60	47	45	44	30	29	28	14	14	14	14	7	7	7	7	7	7	7	7	7	7
2	72	66	61	56	62	57	53	49	41	38	36	26	25	24	13	12	11	11	6	6	6	6	6	6	6	6	6	6
3	65	57	51	47	56	50	45	41	36	33	30	23	21	20	11	10	10	10	5	5	5	5	5	5	5	5	5	5
4	60	51	44	39	51	44	39	35	32	28	26	21	18	17	10	9	8	8	4	4	4	4	4	4	4	4	4	4
5	54	45	38	33	47	39	34	29	28	25	22	18	16	14	9	8	7	7	4	4	4	4	4	4	4	4	4	4
6	50	40	33	29	43	35	29	25	25	22	19	16	14	13	8	7	6	6	3	3	3	3	3	3	3	3	3	3
7	46	36	29	25	40	31	26	22	23	19	16	15	13	11	7	6	6	6	3	3	3	3	3	3	3	3	3	3
8	43	32	26	22	37	28	23	19	21	17	14	13	11	10	7	6	5	5	2	2	2	2	2	2	2	2	2	2
9	39	29	23	19	34	26	20	17	19	15	13	12	10	8	6	5	4	4	2	2	2	2	2	2	2	2	2	2
10	37	27	21	17	32	23	18	15	17	14	11	11	9	8	6	5	4	4	2	2	2	2	2	2	2	2	2	2

Candela

Angle	Along II	45°	Across I
0	173	173	173
5	175	174	169
15	169	168	164
25	156	154	153
35	136	136	136
45	110	112	110
55	79	81	79
65	49	48	48
75	28	21	22
85	6	5	5
90	0	4	8
95	67	119	123
105	290	449	452
115	536	696	764
125	770	911	965
135	979	1107	1150
145	1157	1234	1292
155	1295	1331	1364
165	1389	1393	1405
175	1440	1429	1429
180	1432	1432	1432

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	135	2.3	2.6
0-40	220	3.7	4.2
0-60	377	6.4	7.2
0-90	455	7.7	8.7
40-90	235	4.0	4.5
60-90	78	1.3	1.5
90-180	4786	81.1	91.3
0-180	5241	88.8	100.00

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	1469	1493	1474
55	1307	1333	1299
65	1098	1076	1065
75	1019	782	803
85	683	575	564

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

