

**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.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

**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 ... Lens**

Linear prismatic fully frosted acrylic lens.

**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**

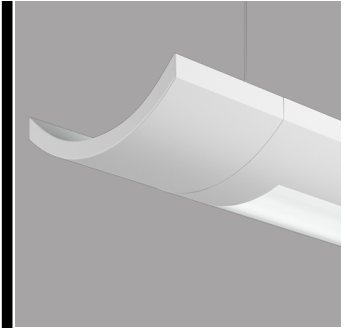
Fixtures are prewired with quick wire connectors and use UL listed Class P, 265ma T8 instant start universal voltage electronic ballasts. Power factor of 95% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

**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.

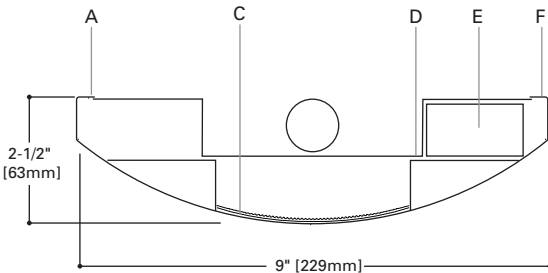


**i2  
Frosted Lens**

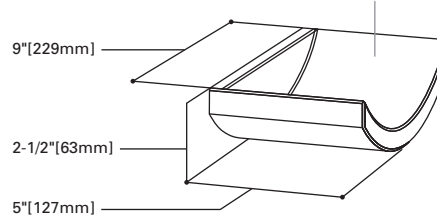
1T8

**Suspended  
Direct/Indirect**

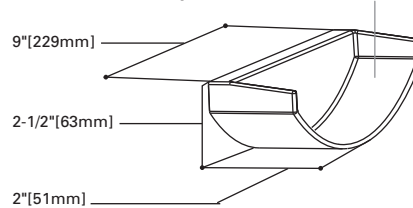
**Light Distribution**  
Indirect - 69.2%  
Direct - 30.8%



**Standard Straight End Cap**



**Beveled End Cap**



**MODULES AND DIMENSIONS\***



\*Dimensions do not include end caps.

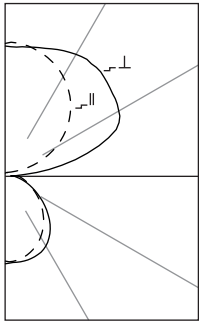


**ORDERING INFORMATION**

Sample Number: I2-WL-1T8-1C-UNV-AC48-T1-12-ES

<b>Series</b> I2: i2 Suspended	<b>Number of Lamps</b> 1: 1 Lamp	<b>Wiring</b> <sup>1</sup> B: Battery Pack C: Standard Circuit D: Dimming E: Emergency T: Nightlight Y: Daylight	<b>Voltage</b> <sup>1</sup> 120: 120V 277: 277V 347: 347V UNV: Universal (120V-277V)	<b>Suspension</b> A: Aircraft Cable	<b>Ceiling Type</b> T1: 1" T-Bar T9: 9/16" T-Bar TS: Slotted T-Bar ST: Structure JB: 4" Octagonal J-Box
<b>Optics Up</b> S: Specular W: White	<b>Lamp Type</b> T8: T8 Normal Output			<b>Power Feed</b> <sup>1</sup> C: Straight Cord K: Curly Cord	
<b>Optics Down</b> L: Frosted Lens	<b>Number of Circuits</b> <sup>1</sup> 1: 1 Circuit			<b>Suspension Length</b> <b>Adjustable Cable</b> 48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)	<b>Run Length</b> <b>Individually Mounted</b> Luminaires may be 4' or 8' in length <b>Continuously Mounted</b> Standard row configurations over 8' consist of 4' and 8' sections

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



I2-WL-1T8  
(1) F32T8/TL835  
3000 Lumens

Efficiency 97.5%

Test Report  
#LSI26363

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	100	100	100	100	90	90	90	90	71	71	71	53	53	53	38	38	38	30	30	30	30	30	30	30	30	30	30	30	30					
	1	91	87	83	80	82	78	75	72	62	60	58	47	45	44	33	32	31	25	25	25	25	25	25	25	25	25	25	25	25					
	2	83	76	70	65	74	68	63	59	54	51	48	41	39	37	29	28	26	21	21	21	21	21	21	21	21	21	21	21	21					
	3	76	67	60	54	68	60	54	49	48	43	40	36	33	31	26	24	22	18	18	18	18	18	18	18	18	18	18	18	18					
	4	69	59	51	46	62	53	47	42	42	38	34	32	29	27	23	21	19	15	15	15	15	15	15	15	15	15	15	15	15					
	5	63	52	45	39	57	47	41	36	38	33	29	29	25	23	21	18	17	13	13	13	13	13	13	13	13	13	13	13	13					
	6	58	47	39	34	52	42	36	31	34	29	25	26	23	20	19	16	15	12	12	12	12	12	12	12	12	12	12	12	12					
	7	54	42	35	29	48	38	32	27	31	26	22	24	20	18	17	15	13	10	10	10	10	10	10	10	10	10	10	10	10					
	8	50	38	31	26	44	34	28	24	28	23	20	21	18	16	16	13	12	9	9	9	9	9	9	9	9	9	9	9	9					
	9	46	35	27	23	41	31	25	21	25	21	17	20	16	14	14	12	10	8	8	8	8	8	8	8	8	8	8	8	8					
	10	43	32	25	20	39	29	23	19	23	19	16	18	15	12	13	11	9	7	7	7	7	7	7	7	7	7	7	7	7					

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	249	8.4	8.6
0-40	408	13.8	14.2
0-60	705	23.9	24.5
0-90	885	30.0	30.8
40-90	477	16.2	16.6
60-90	180	6.1	6.3
90-180	1992	67.5	69.2
0-180	2877	97.5	100.00

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	2510	2827	2973
55	2251	2576	2686
65	1986	2275	2402
75	1768	1994	2202
85	1356	2191	2820

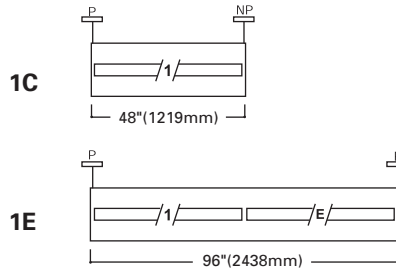
Candela

Angle	Along I	45°	Across I
0	313	313	313
5	315	312	310
15	302	305	310
25	275	287	301
35	236	257	272
45	188	212	222
55	137	156	163
65	89	102	107
75	48	55	60
85	13	20	26
90	0	21	36
95	20	95	112
105	103	271	300
115	186	343	445
125	262	388	475
135	327	429	495
145	380	446	504
155	422	455	490
165	448	458	471
175	464	460	459
180	461	461	461

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