

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 ... 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

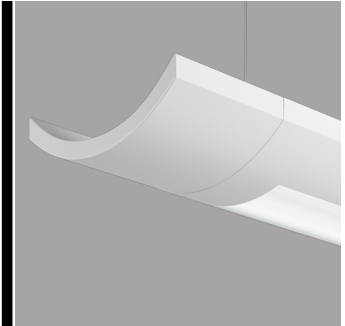
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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.

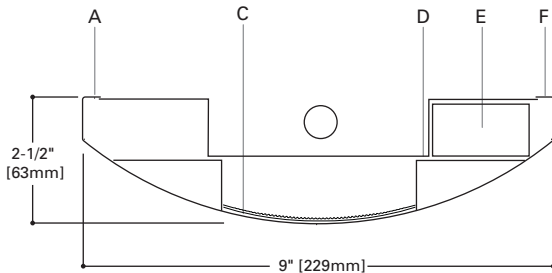


i2 Frosted Lens

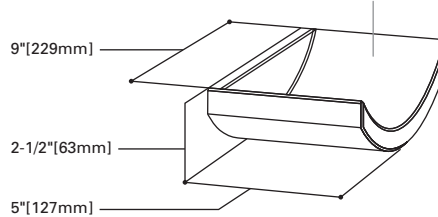
1T5
1T5HO

Suspended
Direct/Indirect

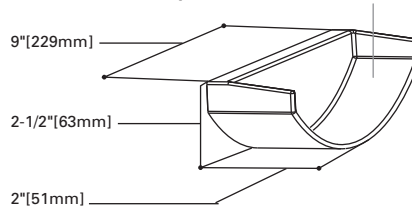
Light Distribution
Indirect - 69.6%
Direct - 30.4%



Standard Straight End Cap



Beveled End Cap



MODULES AND DIMENSIONS*

48" [1219mm]

96" [2438mm]

*Dimensions do not include end caps.

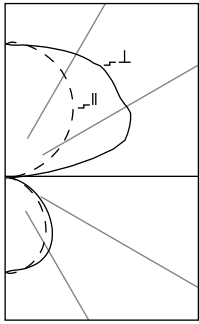


ORDERING INFORMATION

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

Series I2: i2 Suspended	Number of Lamps 1: 1 Lamp	Wiring B: Battery Pack C: Standard Circuit D: Dimming E: Emergency T: Nightlight Y: Daylight	Voltage 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 C: Straight Cord K: Curly Cord	
Optics Down L: Frosted Lens	Number of Circuits 1: 1 Circuit			Suspension Length <u>Adjustable Cable</u> 48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)	Run Length <u>Individually Mounted</u> Luminaires may be 4' or 8' in length <u>Continuously Mounted</u> 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-1T5
(1) FP54/841/HO
4500 Lumens

Efficiency 95.6%

Test Report
#LSI26362

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	98	98	98	98	88	88	88	88	69	69	69	52	52	52	36	36	36	24	1	89	85	82	78	80	77	74	71	60	58	57	46	44	43	32	31	31	21	2	81	74	69	64	73	67	62	58	53	50	47	40	38	36	28	27	26	18	3	74	65	58	53	66	59	53	48	47	43	39	35	33	30	25	23	22	16	4	68	58	50	45	60	52	46	41	41	37	33	32	28	26	22	20	19	14	5	62	51	44	38	55	46	40	35	37	32	29	28	25	22	20	18	16	12	6	57	46	38	33	51	41	35	30	33	28	25	25	22	20	18	16	14	11	7	53	41	34	29	47	37	31	26	30	25	22	23	20	17	17	14	13	10	8	49	37	30	25	44	34	28	23	27	23	19	21	18	15	15	13	11	9	9	45	34	27	22	41	31	25	21	25	20	17	19	16	14	14	12	10	8	10	42	31	24	20	38	28	22	18	23	18	15	18	15	12	13	11	9	7

Candela

Angle	Along I	45°	Across I
0	474	474	474
5	478	472	467
15	457	461	465
25	414	433	448
35	352	383	401
45	277	312	325
55	199	230	236
65	127	150	154
75	67	81	85
85	21	29	37
90	0	14	21
95	30	126	115
105	135	454	561
115	258	523	692
125	377	583	703
135	477	633	730
145	559	652	727
155	621	668	707
165	661	672	686
175	684	676	673
180	676	676	676

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	374	8.3	8.7
0-40	612	13.6	14.2
0-60	1048	23.3	24.4
0-90	1309	29.1	30.4
40-90	697	15.5	16.2
60-90	261	5.8	6.0
90-180	2992	66.5	69.6
0-180	4301	95.6	100.0

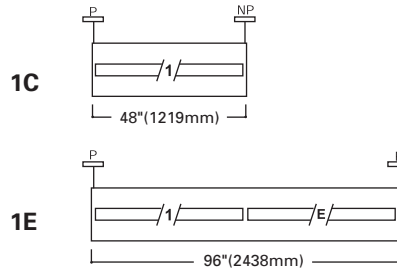
Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	3704	4167	4350
55	3276	3784	3886
65	2838	3353	3444
75	2447	2947	3086
85	2223	3178	3991

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