

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

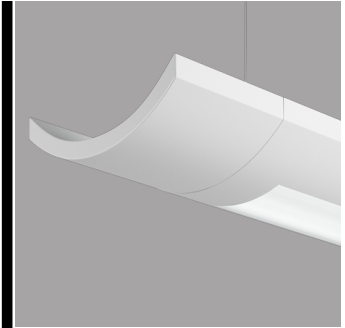
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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 and rigid pendant mounting details.

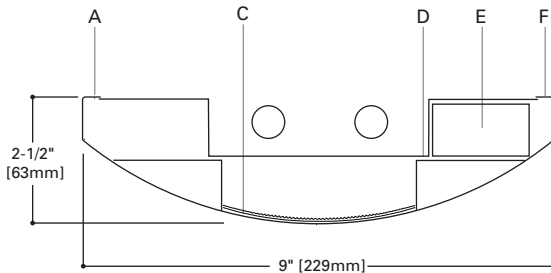


i2 Frosted Lens

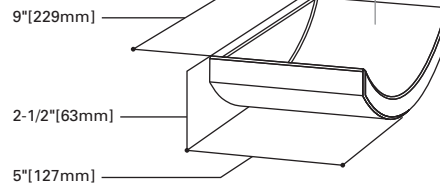
2T5
2T5HO

Suspended
Direct/Indirect

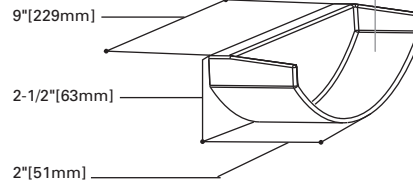
Light Distribution
Indirect - 69.8%
Direct - 30.2%



Standard Straight End Cap B



Beveled End Cap B



MODULES AND DIMENSIONS*

48" [1219mm]

96" [2438mm]

*Dimensions do not include end caps.

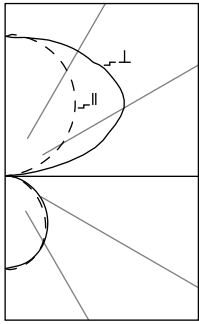


ORDERING INFORMATION

Sample Number: I2-WL-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 L: Frosted Lens	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 Solutions Representative for availability.



I2-WL-2T5
(2) FP54/841/HO
4500 Lumens

Efficiency 92.2%

Test Report
#LSI26364

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	94	94	94	94	85	85	85	85	67	67	67	67	50	50	50	50	35	35	35	35	28	28	28	28	28	28	28	28
	1	86	82	79	75	77	74	71	68	58	56	54	52	44	43	42	41	31	30	29	28	26	26	26	26	26	26	26	26
	2	78	72	66	62	70	64	60	56	51	48	45	43	39	36	35	34	27	26	25	24	20	20	20	20	20	20	20	20
	3	71	63	56	51	64	57	51	47	45	41	38	36	34	31	29	28	24	22	21	20	17	17	17	17	17	17	17	17
	4	65	56	49	43	58	50	44	39	40	36	32	30	27	25	24	23	21	20	19	18	14	14	14	14	14	14	14	14
	5	60	49	42	37	53	45	38	34	36	31	28	27	24	22	22	21	19	17	16	15	12	12	12	12	12	12	12	12
	6	55	44	37	32	49	40	34	29	32	27	24	24	21	19	19	18	17	15	14	13	11	11	11	11	11	11	11	11
	7	51	40	33	28	45	36	30	25	29	24	21	22	19	17	17	16	16	14	13	12	10	10	10	10	10	10	10	10
	8	47	36	29	24	42	33	27	22	26	22	19	20	17	15	15	14	13	11	10	9	9	9	9	9	9	9	9	9
	9	44	33	26	22	39	30	24	20	24	20	16	19	15	13	13	12	11	10	9	8	8	8	8	8	8	8	8	8
	10	41	30	24	19	37	27	22	18	22	18	15	17	14	12	12	11	10	9	8	7	7	7	7	7	7	7	7	7

Candela

Angle	Along II	45°	Across I
0	951	951	951
5	957	948	936
15	913	910	906
25	827	830	829
35	703	713	719
45	553	576	595
55	399	429	457
65	259	285	311
75	142	155	1745
85	38	55	75
90	0	23	41
95	57	190	183
105	280	724	818
115	540	1025	1229
125	785	1156	1454
135	998	1253	1484
145	1172	1331	1470
155	1305	1393	1470
165	1395	1412	1446
175	1443	1425	1421
180	1427	1427	1427

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	728	8.1	8.8
0-40	1173	13.0	14.1
0-60	2000	22.2	24.1
0-90	2510	27.9	30.2
40-90	1337	14.9	16.1
60-90	510	5.7	6.1
90-180	5791	64.3	69.8
0-180	8300	92.2	100.0

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	7398	7697	7950
55	6582	7070	7531
65	5795	6370	6954
75	5182	5664	6384
85	4154	5965	8112

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

