

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

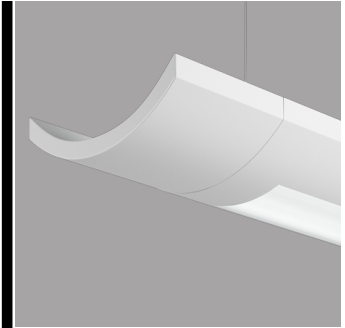
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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.

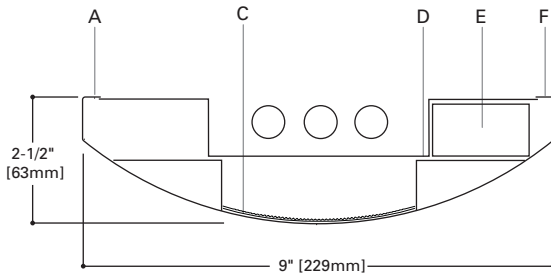


i2 Frosted Lens

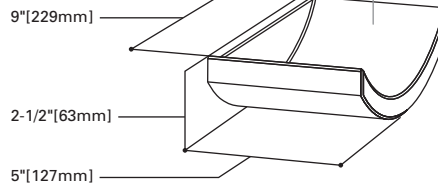
3T5
3T5HO

Suspended
Direct/Indirect

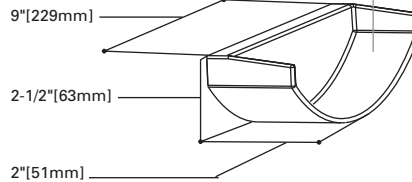
Light Distribution
Indirect - 66.1%
Direct - 33.9%



Standard Straight End Cap B



Beveled End Cap B



MODULES AND DIMENSIONS*

48" [1219mm]

96" [2438mm]

*Dimensions do not include end caps.

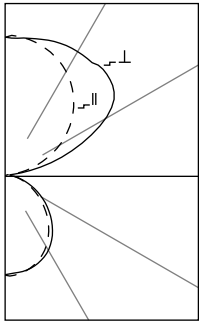


ORDERING INFORMATION

Sample Number: I2-WL-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	
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-3T5
 (3) FP54/841/HO
 4500 Lumens

Efficiency 93.6%

Test Report
 #LSI26366

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	50	30	10	0			
RCR	0	97	97	97	97	87	87	87	87	70	70	70	53	53	53	39	39	39	32																	
	1	88	84	81	77	79	76	73	70	61	59	57	47	46	44	34	33	32	27																	
	2	80	73	68	63	72	66	62	58	53	50	47	41	39	37	30	29	27	22																	
	3	73	64	58	52	66	58	53	48	47	43	40	36	34	31	27	25	23	19																	
	4	67	57	50	44	60	52	45	41	42	37	34	32	29	27	24	22	20	16																	
	5	61	51	43	38	55	46	40	35	37	33	29	29	26	23	21	19	17	14																	
	6	56	45	38	33	51	41	35	30	33	29	25	26	23	20	19	17	15	12																	
	7	52	41	34	29	47	37	31	26	30	25	22	24	20	18	18	15	14	11																	
	8	48	37	30	25	43	34	28	23	28	23	19	22	18	16	16	14	12	10																	
	9	45	34	27	22	40	31	25	21	25	21	17	20	17	14	15	13	11	9																	
	10	42	31	24	20	38	28	22	18	23	19	16	18	15	13	14	12	10	8																	

Candela

Angle	Along II	45°	Across I
0	1592	1592	1592
5	1601	1585	1570
15	1531	1535	1542
25	1393	1421	1444
35	1188	1240	1267
45	939	1003	1029
55	677	739	763
65	438	484	504
75	240	261	281
85	69	94	121
90	3	46	71
95	89	159	150
105	428	800	749
115	823	1469	1503
125	1198	1778	2102
135	1527	1939	2272
145	1799	2070	2267
155	2006	2166	2279
165	2145	2186	2240
175	2223	2198	2193
180	2199	2199	2199

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1238	9.2	9.8
0-40	2009	14.9	15.9
0-60	3428	25.4	27.1
0-90	4282	31.7	33.9
40-90	2273	16.8	18.0
60-90	854	6.3	6.8
90-180	8357	61.9	66.1
0-180	12639	93.6	100.0

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	12553	13420	13748
55	11157	12180	12572
65	9799	10830	11275
75	8754	9517	10248
85	7472	10151	13112

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

