CORELITE™

DESCRIPTION

Corelite's Iridium IQ suspended direct-indirect fluorescent luminaire features elegant styling with a sleek profile and end caps. The Iridium IQ is available with two open baffle options including the glare-reducing Eclipse Louver. Also available with adjustable uplight and downlight optics for evolving interior spaces with Corelite Slide-N-LockTM optics accessory. Iridium may be mounted individually or continuously with 4', 8', and 12' modular sections. Luminaires align with T-Grid and interface with all ceiling types. Iridium is suited for open offices, private offices, conference rooms, corridors, schools, 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", 8'-0", and 12'-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.

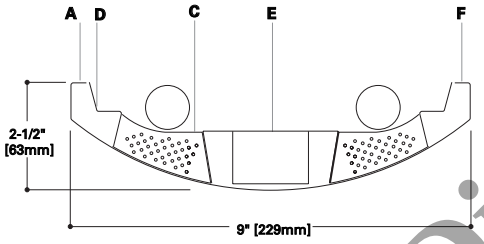
C ... Louver
Standard white aluminum perforated blades. Optional Eclipse Louver with white perforated blades and ribbed diffuse anodized aluminum runners.

D ... Reflectors
Reflector pan is painted with a high reflectance white powder coat finish. Optional die-formed side reflectors are highly specular anodize aluminum.

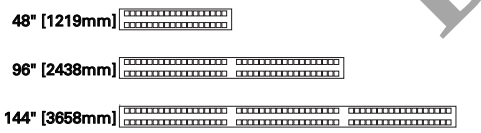
E ... Electrical
Fixtures are prewired with quick wire connectors and use UL listed Class P, 265ma T8 instant start universal voltage electronic ballasts. Power factor of 95% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

F ... Finish
Fixture housings are standard white using electrostatically applied polyester powder coat paint.

Mounting
Standard aircraft cable mounts on 4'-0", 8'-0", and 12'-0" centers. Refer to installation section for various ceiling interface details and rigid pendant mounting details.

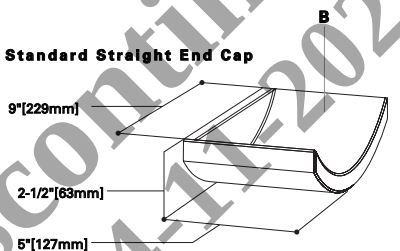


MODULES AND DIMENSIONS*

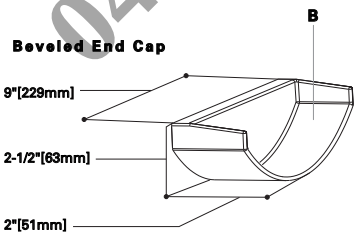


*Dimensions do not include end caps.

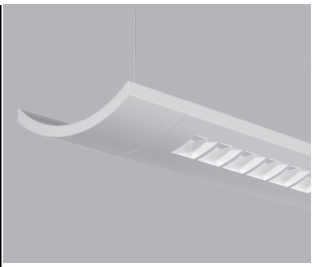
Standard Straight End Cap



Beveled End Cap



Discontinued
04-11-2023



Open Baffle

Iridium IQ

2T8

Suspended
Direct/Indirect

Light Distribution
Indirect - 70.7%
Direct - 29.3%

fifthlight technology

SLIDE-N-LOCK™

ORDERING INFORMATION

Sample Number: IQ-WB-2T8-1C-UNV-AC48-T1-12-ES

Series
IQ= Iridium IQ Suspended

Optics Up
S= Specular
W= White

Optics Down
B= Perforated Baffle
E= Eclipse Louver

Number of Lamps
2= 2 Lamps

Lamp Type
T8= T8 Normal Output

Number of Circuits [1]
1= 1 Circuit
2= 2 Circuits

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
P= Rigid Pendant

Power Feed [1]
C= Straight Cord
K= Curly Cord
P= Rigid Pendant

Suspension Length
Fixed Cable
12", 15", 18", 21", 24", or 27" (+/- 1/2" adjustment)
Adjustable Cable
48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)
Rigid Pendant [2]
12", 15", 18", 21", 24", or 27"

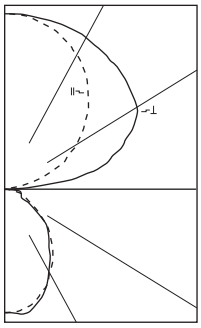
Ceiling Type
T1= 1" T-Bar
T9= 9/16" T-Bar
TS= Slotted T-Bar
ST= Structure
JB= 4" Octagonal J-Box

Run Length
Individually Mounted
Luminaires may be 4', 8', or 12' in length
Continuously Mounted
Standard row configurations over 12' consist of 8' and 12' sections

Options
Slide-N-Lock™ [3]
DL1
DL2
DL3
DL4
DL5
DL6
DL7
DL8

Notes: 1 Not all options available. Please consult your Cooper Lighting Representative for availability.
2 Consult adder section of the price guide for additional standard lengths.
3 Slide-N-Lock™ on 2 outboard lamps only. Distributions based on 2T8 data.

PHOTOMETRICS



IQ-WB-2T8

(2) F32T8/TL841
3000 Lumens

Efficiency 91.8%

Test Report
#20511

Coefficients of Utilization

Effective floor cavity reflectance																				
rc	80%				70%				50%			30%			10%			0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	94	94	94	94	84	84	84	84	66	66	66	49	49	49	34	34	34	27		
1	86	82	78	75	77	73	70	68	58	56	54	43	42	41	30	29	29	23		
2	78	71	66	62	70	64	60	56	51	48	45	38	36	34	27	25	24	19		
3	71	63	57	51	64	57	51	47	45	41	38	34	31	29	24	22	21	17		
4	65	56	49	44	58	50	44	40	40	36	32	30	27	25	21	20	18	14		
5	60	50	43	37	53	45	39	34	36	31	28	27	24	22	19	17	16	13		
6	55	44	37	32	49	40	34	30	32	28	24	25	22	19	18	16	14	11		
7	51	40	33	28	46	36	30	26	29	25	21	22	19	17	16	14	13	10		
8	47	36	30	25	42	33	27	23	27	22	19	20	17	15	15	13	11	09		
9	44	33	27	22	39	30	24	20	24	20	17	19	16	14	14	12	10	08		
10	41	30	24	20	37	28	22	18	22	18	15	17	14	12	13	11	09	07		

Candela

Angle	Along II	45 Degrees	Across I_
0	688	688	688
5	688	687	693
15	652	687	677
25	574	597	587
35	475	490	454
45	366	362	356
55	253	254	225
65	145	142	109
75	75	75	110
85	21	50	65
90	0	41	55
95	42	207	226
105	191	499	604
115	367	652	794
125	527	739	890
135	670	815	928
145	791	888	947
155	883	934	972
165	944	969	974
175	978	982	977
180	979	979	979

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	528	8.8	9.6
0-40	829	13.8	15.0
0-60	1332	22.2	24.2
0-90	1613	26.9	29.3
90-120	1282	21.4	23.3
90-130	1930	32.2	35.0
90-150	3101	51.7	35.0
90-180	3897	64.9	70.7
0-180	5509	91.8	100.0

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	4661	4093	3885
55	3942	3363	2828
65	3029	2345	1686
75	2494	1730	2281
85	1832	1996	2183

Discontinued
04-11-2023

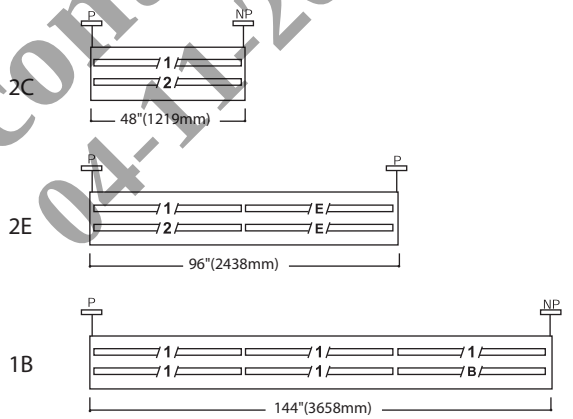
COMMON CIRCUIT CONFIGURATIONS FOR TWO LALMP SUSPENDED FIXTURES

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

P =Power Mount

NP =Non-Power Mount



STANDARD ROW CONFIGURATIONS

FIXTURE LENGTH	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'	52'	56'	60'	64'	68'	72'	76'	80'	84'	88'	92'	96'	100'	104'	108'
4'	1																										
8'		1		2	1		2	1		2	1		2	1		2	1		2	1		2	1		2	1	
12'			1		1	2	1	2	3	2	3	4	3	4	5	4	5	6	5	6	7	6	7	8	7	8	9