CORELITE™

DESCRIPTION

Corelite's Class A Perf suspended semi-indirect fluorescent luminaire combines classic design with contemporary styling perfect for today's interiors. The engineered optical system provides a widespread uplight distribution for excellent ceiling uniformity and wide row spacing. The perforated fixture housing creates a soft downlight component to closely match the ceiling brightness, which minimizes contrast on computer screens. Class A Perf may be mounted individually or continuously with 4', 8' and 12' modular sections. Luminaires align with T-Grid and interface with all ceiling types. Class A Perf 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 20-gauge cold rolled steel, forming a 9" x 2 7/8" architectural profile. Perforated sections are 23% open with 0.0625" staggered hole pattern and opal diffuser. Standard 4'-0", 8'-0", and 12'-0" fixture lengths combine for continuous runs.

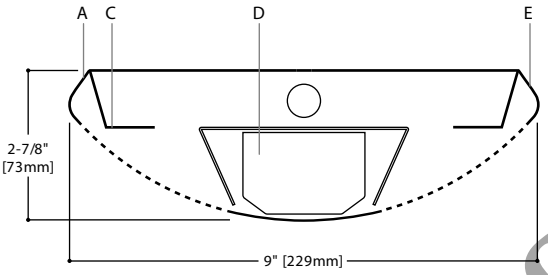
B ... End Plates
Standard laser cut 14-gauge cold rolled steel, mechanically attached with no exposed fasteners. Optional die-cast aluminum end caps also available.

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

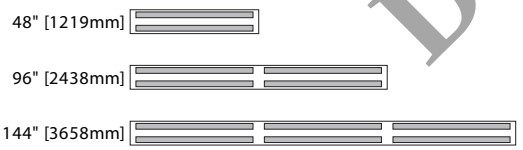
D ... Electrical
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

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

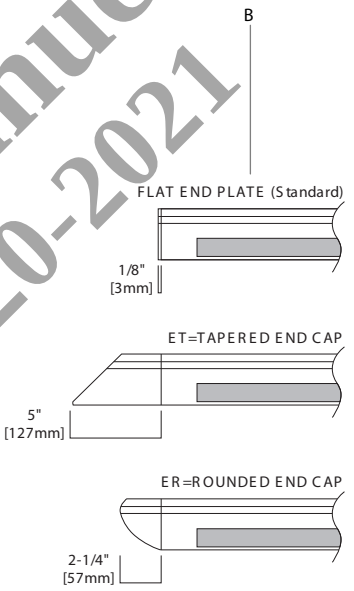
Mounting
Standard aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers. Refer to installation section for various ceiling interface details and rigid pendant mounting details.



MODULES AND DIMENSIONS*



*Dimensions do not include end plates.



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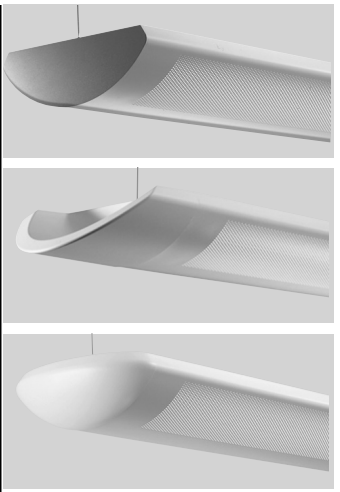


Class A
Perf

1T5
1T5HO

Suspended
Semi-Indirect

Light Distribution
Indirect - 99.0%
Direct - 1.0%

fifthlight technology

ORDERING INFORMATION

Sample Number: AP-WP-1T5-1C-UNV-AC48-T1-12-ET

Series
AP= Class A Perf Suspended

Optics Up
S= Specular
W= White

Optics Down
P= Round Perf

Number of Lamps
1= 1 Lamp

Lamp Type
N5= T5 Normal Output
T5= T5 High Output

Number of Circuits [1]
1= 1 Circuit

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

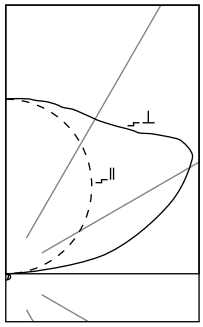
Suspension Length
Fixed Cable
12", 15", 18", 21", 24", or 27" (+/- 1/2" adjustment)
Adjustable Cable
48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)
Rigid Pendant [2]
12", 15", 18", 21", 24", or 27"

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
ER= Rounded End Cap
ET= Tapered End Cap

Notes: 1 Not all options available. Please consult your Cooper Lighting Solutions Representative for availability.
2 Consult adder section of the price guide for additional standard lengths.



AP-SP-1T5
(1) FP54/841/HO
4500 Lumens

Efficiency 94.9%

Test Report
#LSI17244

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	91	91	91	91	78	78	78	78	53	53	53	31	31	31	11	11	11	01		
1	82	79	75	72	70	67	65	61	46	45	43	27	26	25	09	09	09	01		
2	75	68	63	58	64	59	54	50	40	38	35	24	22	21	08	08	07	01		
3	68	60	54	49	58	52	46	42	36	32	30	21	19	18	07	07	06	00		
4	62	53	46	41	33	46	40	35	31	28	25	18	17	15	06	06	05	00		
5	57	46	40	35	48	40	34	30	28	24	21	16	14	13	06	05	04	00		
6	52	42	35	30	44	36	30	26	25	21	18	15	13	11	05	04	04	00		
7	48	37	30	25	41	32	26	22	22	18	16	13	11	09	05	04	03	00		
8	44	33	27	22	38	29	23	19	20	16	14	12	10	08	04	03	03	00		
9	41	30	24	19	35	26	21	17	18	15	12	11	09	07	04	03	03	00		
10	38	27	21	17	32	24	18	15	17	13	11	10	08	06	03	03	02	00		

Candela

Angle	Along II	45°	Across ⊥
0	11	11	11
5	11	10	11
15	9	9	10
25	9	9	11
35	7	10	11
45	6	9	11
55	4	8	12
65	3	9	11
75	1	7	10
85	0	3	6
90	0	1	3
95	32	121	50
105	172	605	671
115	339	865	1003
125	502	872	1218
135	647	857	1093
145	769	883	997
155	861	921	971
165	925	949	967
175	958	962	963
180	963	963	963

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	8	18	19
0-40	13	30	32
0-60	27	60	64
0-90	44	98	1.03
40-90	30	68	71
60-90	16	38	40
90-180	4228	93.96	98.97
0-180	4272	94.94	100

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	46	69	93
55	35	69	126
65	31	88	154
75	16	97	213
5	8	59	317

Discontinued
09-20-2021

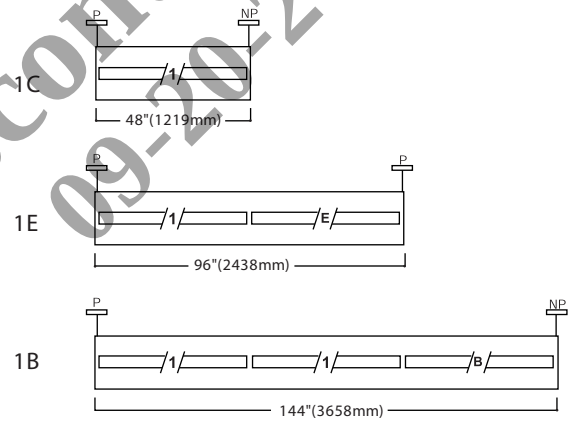
COMMON CIRCUIT CONFIGURATIONS FOR TWO LAMP SUSPENDED FIXTURE

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

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