

6. Pattern Shielding

Ordering Information

Family	Series	Type	Lamps	Color	Wattage	Voltage	Length	Options
F7	5 5 = Curved	3 3 = Tiger Striped	2 2 = 2 Lamps	AL = Aluminum WH = White	1 = 28W 2 = 54W 3 = 28W Dimming 4 = 28W EM 5 = 54W Dimming 6 = 54W EM	1 = 120v 2 = 277v	4 = 4' (121.92cm) 8 = 8' (243.84cm)	X4 = 4 Through Wires X5 = 5 Through Wires DS = Dual Switch

Complete Ordering Instructions below.

Features

- Housing:** Single piece of high purity extruded aluminum, a portion from recycled material.
- Housing End:** Die-cast aluminum, welded in place.
- End Cap:** Die-cast aluminum. Encloses the suspension cable and power feed cord for the end of the run.
- Lamps:** F28T5 or F54T5HO as specified. By others. Installed from the ceiling side of the luminaire.
- Ballast:** Electronic. Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD.
- Shielding:** Tiger striped pattern pierced in extruded housing, regressed and backed by 0.20" (0.51cm) opal acrylic.

Electrical

Connections: 18 gauge pre-wired with polarized cannon plug connectors for simultaneous mechanical/electrical connection.

Emergency Battery Pack: 90 minute operation, 700 lumens for 54W and 520 lumens for 28W.

Dimming: Advance Mark X standard (no additional wires required); use compatible dimmer. Dimming ballasts using additional control wires (eg Lutron Hi-Lume or ECO-10, Osram) can be used; consult factory and use X4 or X5 power feeds with additional leads, as appropriate. Ballast not to exceed 1.25" (3.18cm) wide by 1.20" (3.05cm) high.

iGEN: F7000 accepts iGEN (DALI) with supplemental 2-wire control technology. Use with X5 power feed.

Power Tray: Code-gauge, die-formed steel, pre-paint white enamel finish; secured by quarter-turn fasteners for easy access to wiring. Holds ballasts, sockets, and wiring. Accepts ballasts up to 1.25" (3.18cm) wide by 1.20" (3.05cm) high.

Power Feeds: Standard 18/3 power feed is rated for 10 amps. X4 power feed is 18/4 and is rated for 7 amps. Observe amperage limitations and provide additional Intermediate Power Cables, as required. When providing an additional power feed, the through wiring from the previous module must be disconnected from the cannon plug and capped.

Dual Switching: Use DS option for separate switching of the lamp rows. DS includes a 4th through wire. Use X4 power feed.

Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

Finish

Powder-coated, baked enamel, white or aluminum, as specified.

Mounting

Cable suspension is on 48" (121.92cm) and 96" (243.84cm) centers and consists of a 4 1/2" (11.43cm) diameter canopy finished white enamel and a 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm).

Labels

UL, cUL and I.B.E.W.

Ordering Instructions

Individual Fixtures:

- Order one MODULE.
- Order one POWER FEED END SET.

Continuous Rows:

- Order the appropriate number of MODULES for the complete run.
- Order one POWER FEED END SET.
- Order one INTERMEDIATE CABLE SET per MODULE minus one.
- For runs that exceed amperage limits, order the appropriate number of CABLE/CORD SETS.

Job Information

Type:

Job Name:

Cat. No.:

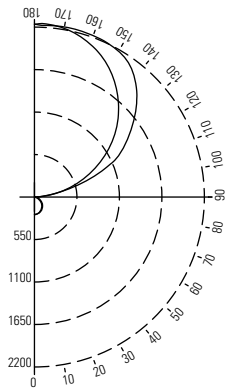
Lamp(s):

Notes:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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Performance

CANDLEPOWER CURVE



REPORT NO.: ITL54682.IES
 LAMPS: 2-F54T5
 LUMENS: 5000 each
 EFFICIENCY: 77.0%
 CAT. NO.: F7532WH214

CANDLEPOWER

ZONE DEG.	0	22	45	67	90
	CANDELAS				
0	228	228	228	228	228
5	227	228	228	226	222
15	213	216	217	219	217
25	191	197	197	202	200
35	164	170	171	177	177
45	131	138	139	147	148
55	93	101	104	114	116
65	50	59	66	79	79
75	19	25	36	51	54
85	2	8	13	30	34
95	101	152	109	104	105
105	478	602	634	584	556
115	854	1018	1075	1149	1158
125	1215	1370	1476	1509	1527
135	1538	1652	1807	1858	1876
145	1813	1888	2001	2089	2124
155	2028	2074	2126	2182	2210
165	2173	2193	2207	2223	2234
175	2244	2248	2233	2225	2229
180	2237	2237	2237	2237	2237

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

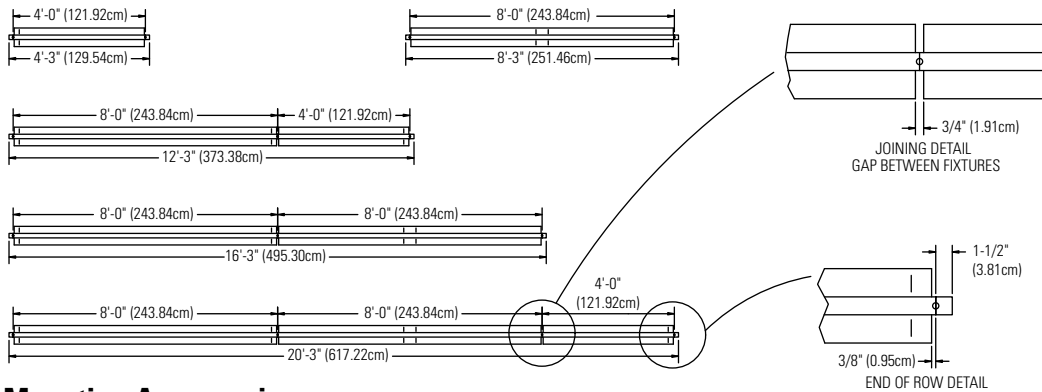
ROOM CAVITY RATIO	WALL REFLECTANCE								
	80%			70%			50%		
	50	30	10	50	30	10	50	30	10
0	75	75	75	65	65	65	47	47	47
1	65	62	60	56	54	52	40	39	37
2	57	52	48	49	46	43	35	33	31
3	49	45	40	43	39	35	31	29	26
4	44	38	34	38	33	29	28	25	22
5	39	33	29	34	29	26	25	21	19
6	34	29	25	30	26	22	22	18	16
7	31	26	21	27	22	19	20	16	14
8	28	22	18	25	20	16	18	14	12
9	26	20	16	22	17	14	16	13	10
10	23	18	14	20	15	12	14	11	10

20% FLOOR CAVITY REFLECTANCE

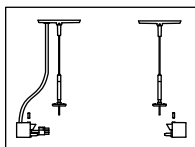
DISTRIBUTION

Zone	Lumens	% Lamp	% Luminaire
0 - 90	580	5.7	8.0
90 - 180	7125	71.3	92.0
0 - 180	7705	77.0	100.0

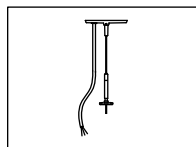
Fixture Lengths & Mounting Reflected (Plan View)



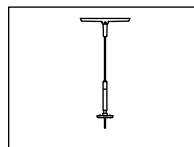
Mounting Accessories



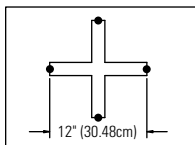
Power Feed End Set:
F7EC36WH = White
F7EC36AL = Aluminum
F7EC36WHX4 = White 4 Wire
F7EC36ALX4 = Aluminum 4 Wire
F7EC36WHX5 = White 5 Wire
F7EC36ALX5 = Aluminum 5 Wire



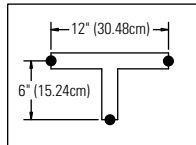
Intermediate Power Cable
F7CC36 = 3 Wire
F7CC36X4 = 4 Wire



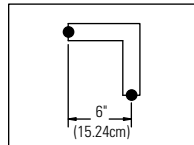
Intermediate Cable Set
F7C36



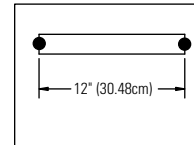
"X" Joiner Block
F7XWH = White
F7XAL = Aluminum



"T" Joiner Block
F7TWH = White
F7TAL = Aluminum



"L" Joiner Block
F7LWH = White
F7LAL = Aluminum



Inline Joiner Block
F71LWH = White 1' (30.48cm)
F71LAL = Aluminum 1' (30.48cm)
F71L2WH = White 2' (60.96cm)
F71L2AL = Aluminum 2' (60.96cm)
F71L4WH = White 4' (121.92cm)
F71L4AL = Aluminum 4' (121.92cm)
F71L8WH = White 8' (243.84cm)
F71L8AL = Aluminum 8' (243.84cm)

Job Information Type:

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