

## Ordering Information

Family	Series	Type	Lamps	Color	Wattage	Voltage	Length	Options
<b>F7</b>	<b>7</b> 7 = Wedge	<b>6</b> 6 = Wedge lens	<b>2</b> 2 = 2 Lamps	<b>AL</b> = Aluminum <b>WH</b> = White	<b>1</b> = 28W <b>2</b> = 54W <b>3</b> = 28W Dimming <b>4</b> = 28W EM <b>5</b> = 54W Dimming <b>6</b> = 54W EM	<b>1</b> = 120v <b>2</b> = 277v	<b>4</b> = 4' (121.92cm)	<b>X4</b> = 4 Through Wires <b>X5</b> = 5 Through Wires <b>DS</b> = 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.
- Lens:** Two-piece compound lens consisting of injection-molded, bidirectional prismatic acrylic with an extruded, linear prismatic acrylic lower layer.

## 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.

## Electrical

**Connections:** Pre-wired with 18 gauge wires and 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 for 54W lamps (no additional wires required) or ULT Super Dim standard for 28W lamps (5 wires required in end set); use compatible dimmer. Dimming ballasts using additional control wires (e.g. 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.

## Job Information

## Type:

**Job Name:**

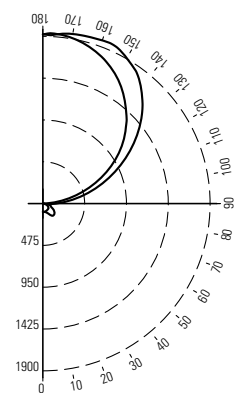
**Cat. No.:**

**Lamp(s):**

**Notes:**

## Performance

### CANDI FPOWER CURVE



REPORT NO.: ITL54674.IES  
LAMPS: 2-F54T5  
LUMENS: 5000 each  
EFFICIENCY: 71.3%  
CAT. NO.: F7762WH214

CANDLEPOWER

ZONE DEG.	0	22	45	67	90
	CANDELAS				
0	95	95	95	95	95
5	97	97	97	96	94
15	95	97	100	100	98
25	92	97	108	114	117
35	88	100	129	153	164
45	86	102	135	169	179
55	77	87	115	150	160
65	59	63	84	114	115
75	34	38	57	83	88
85	6	17	31	45	55
95	103	118	128	236	273
105	422	484	465	551	590
115	760	895	861	910	932
125	1075	1235	1259	1275	1289
135	1347	1482	1571	1595	1602
145	1572	1671	1777	1815	1841
155	1751	1824	1884	1945	1967
165	1873	1907	1937	1950	1965
175	1933	1938	1929	1925	1931
180	1923	1923	1923	1923	1923

### COEFFICIENTS OF UTILIZATION

### % EFFECTIVE CEILING CAVITY REFLECTANCE

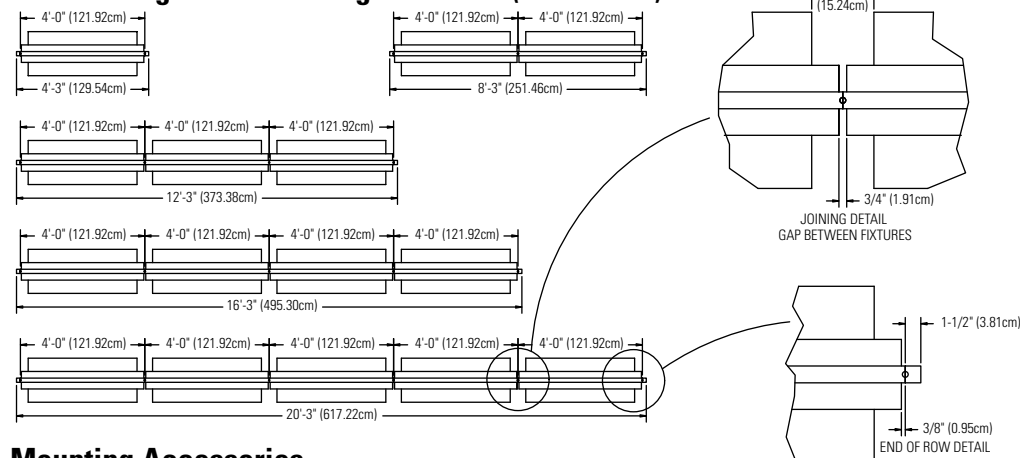
		80%			70%			50%		
		WALL REFLECTANCE								
		50	30	10	50	30	10	50	30	10
ROOM CAVITY RATIO	0	69	69	69	60	60	60	43	43	43
	1	60	57	55	52	50	48	37	36	34
	2	52	48	45	45	42	39	32	30	28
	3	46	41	37	40	36	32	28	26	23
	4	40	35	31	35	30	27	25	22	20
	5	35	30	26	31	26	23	22	19	17
	6	32	26	22	27	23	20	20	17	14
	7	28	23	19	25	20	17	18	15	12
	8	25	20	17	22	18	15	16	13	11
	9	23	18	14	20	16	13	14	11	9
10	21	16	13	18	14	11	13	10	8	

20% FLOOR CAVITY REFLECTANCE

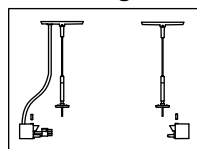
### DISTRIBUTION

Zone	Lumens	% Lamp	%Luminaire
0 - 90	571	6.0	8.0
90 - 180	6559	66.0	92.0
0 - 180	7129	71.0	100.0

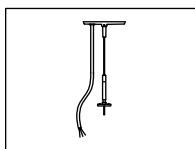
### Fixture Lengths & Mounting Reflected (Plan View)



## Mounting Accessories

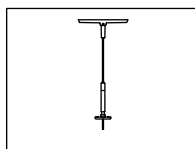
**Power Feed End Set:**

**F7EC36WH** = White  
**F7EC36AL** = Aluminum  
**F7EC36WHX4** = White 4 Wire  
**F7EC36ALX4** = Aluminum 4 Wire  
**F7EC36WHX5** = White 5 Wire  
**F7EC36ALX5** = Aluminum 5 Wire



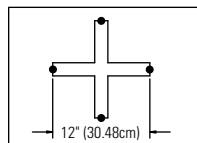
### Intermediate Power Cable

**F7CC36** = 3 Wire  
**F7CC36X4** = 4 Wire



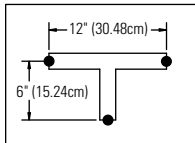
### Intermediate Cable Set

F7C36



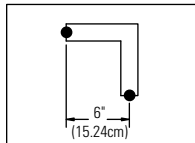
### "X" Joiner Block

**F7XWH** = White  
**F7XAL** = Aluminum



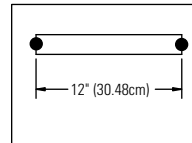
### "T" Joiner Block

**F7TWH** = White  
**F7TAL** = Aluminum



### "L" Joiner Block

**F7LWH** = White  
**F7LAL** = Aluminum



### Inline Joiner Block

**Inline Joiner Block**  
**F7ILWH** = White 1' (30.48cm)  
**F7ILAL** = Aluminum 1' (30.48cm)  
**F7IL2WH** = White 2' (60.96cm)  
**F7IL2AL** = Aluminum 2' (60.96cm)

**F7IL4WH** = White 4' (121.92cm)  
**F7IL4AL** = Aluminum 4' (121.92cm)  
**F7IL8WH** = White 8' (243.84cm)  
**F7IL8AL** = Aluminum 8' (243.84cm)

## Job Information

**Type:**