6.88" (17.48cm)

1.63" (4.14cm)

Ordering Information

Family	Series	Type	Lamps	Color	Wattage	Voltage	Length	Options
F7	**6**	**5**	**2**				**4**	
	6 = Lens	5 = Extruded Lens	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)	X4 = 4 Through Wires X5 = 5 Through Wires DS = Dual Switch

Complete Ordering Instructions below.

Features

1. **Housing:** Single piece of high purity extruded aluminum, a portion from recycled material.
2. **Housing End:** Die-cast aluminum, welded in place.
3. **End Cap:** Die-cast aluminum. Encloses the suspension cable and power feed cord for the end of the run.
4. **Lamps:** F28T5 or F54T5HO as specified. By others. Installed from the ceiling side of the luminaire.
5. **Ballast:** Electronic. Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD.
6. **Shielding:** Extruded acrylic with suspended bead texture; inset metal rod.

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 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. 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:
1. Order one MODULE.
2. Order one POWER FEED END SET.

Continuous Rows:
1. Order the appropriate number of MODULES for the complete run.
2. Order one POWER FEED END SET.
3. Order one INTERMEDIATE CABLE SET per MODULE minus one.
4. For runs that exceed amperage limits, order the appropriate number of CABLE/CORD SETs.

Job Information	**Type:**
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

PHILIPS

LIGHTOLIER®

Performance

CANDLEPOWER CURVE
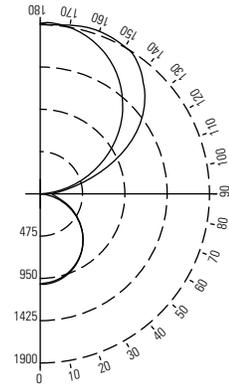
REPORT NO.: ITL54683.IES
LAMPS: 2-F54T5
LUMENS: 5000 each
EFFICIENCY: 81.6%
CAT. NO: F765WH214

CANDLEPOWER

ZONE DEG.	0	22	45	67	90
	CANDELAS				
0	1014	1014	1014	1014	1014
5	1015	1016	1009	1003	1000
15	978	980	974	969	966
25	907	911	903	903	898
35	805	808	803	806	801
45	677	681	677	680	677
55	527	533	530	539	533
65	359	368	370	383	383
75	185	200	211	229	231
85	37	62	104	139	149
95	83	145	162	185	194
105	381	532	530	515	498
115	708	879	955	966	957
125	1024	1182	1296	1360	1368
135	1308	1429	1580	1634	1656
145	1544	1631	1743	1835	1862
155	1735	1783	1854	1907	1930
165	1860	1876	1901	1927	1942
175	1921	1925	1910	1904	1906
180	1915	1915	1915	1915	1915

COEFFICIENTS OF UTILIZATION
% EFFECTIVE CEILING CAVITY REFLECTANCE

	80%			70%			50%		
	WALL REFLECTANCE								
	50	30	10	50	30	10	50	30	10
0	83	83	83	76	76	76	60	60	60
1	72	70	66	65	63	60	52	50	48
2	63	58	54	57	53	49	45	43	40
3	55	49	45	50	45	41	40	36	33
4	48	43	37	44	39	34	35	31	28
5	43	37	32	39	33	30	31	27	24
6	39	32	27	35	30	26	28	24	20
7	35	28	24	31	26	22	26	21	18
8	31	26	21	29	23	20	23	19	16
9	29	23	19	26	20	17	21	17	14
10	26	20	16	24	19	15	20	15	13

ROOM CAVITY RATIO

20% FLOOR CAVITY REFLECTANCE

DISTRIBUTION

Zone	Lumens	% Lamp	%Luminaire
0 - 90	2550	25.5	31.0
90 - 180	5581	56.1	69.0
0 - 180	8131	81.6	100.0

Fixture Lengths & Mounting Reflected (Plan View)

4' 0" (121.92cm)
4' 3" (129.54cm)

4' 0" (121.92cm) — 4' 0" (121.92cm)
8' 3" (251.46cm)

4' 0" (121.92cm) — 4' 0" (121.92cm) — 4' 0" (121.92cm)
12' 3" (373.38cm)

4' 0" (121.92cm) — 4' 0" (121.92cm) — 4' 0" (121.92cm) — 4' 0" (121.92cm)
16' 3" (495.30cm)

4' 0" (121.92cm) — 4' 0" (121.92cm) — 4' 0" (121.92cm) — 4' 0" (121.92cm) — 4' 0" (121.92cm)
20' 3" (617.22cm)

3/4" (1.91cm)
JOINING DETAIL
GAP BETWEEN FIXTURES

1-1/2" (3.81cm)
3/8" (0.95cm)
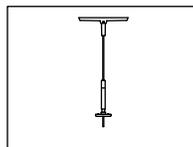END OF ROW DETAIL
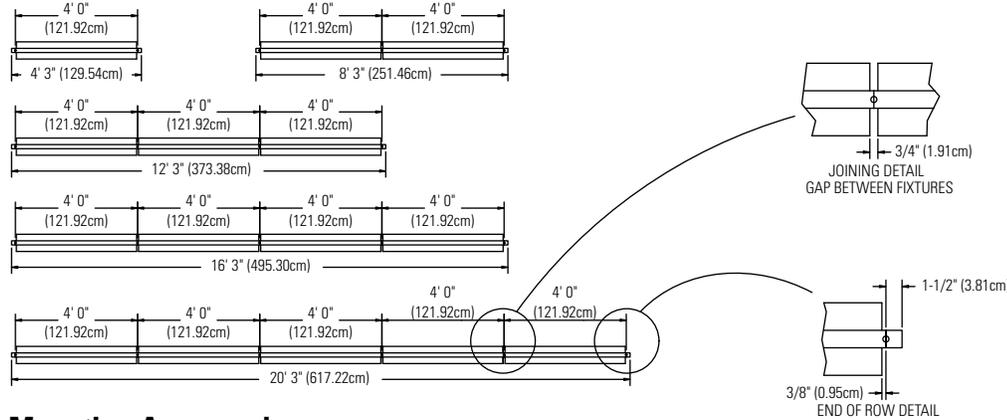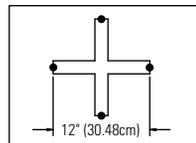
Mounting Accessories
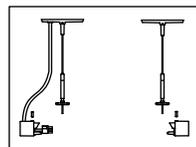
Power Feed End Set:
F7EC36WH = White
F7EC36AL = Aluminum
F7EC36WHX4 = White 4 Wire
F7EC36ALX4 = Aluminum 4 Wire
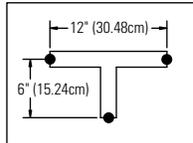**F7EC36WHX5** = White 5 Wire
F7EC36ALX5 = Aluminum 5 Wire
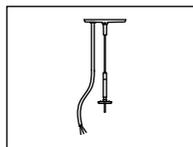
Intermediate Power Cable
F7CC36 = 3 Wire
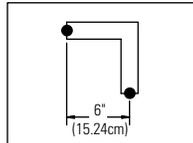**F7CC36X4** = 4 Wire
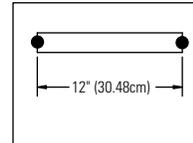
Intermediate Cable Set
F7C36

"X" Joiner Block
F7XWH = White
F7XAL = Aluminum

12" (30.48cm)

"T" Joiner Block
F7TWH = White
F7TAL = Aluminum

12" (30.48cm)
6" (15.24cm)

"L" Joiner Block
F7LWH = White
F7LAL = Aluminum

6" (15.24cm)

Inline Joiner Block
F7ILWH = White 1' (30.48cm)   **F7IL4WH** = White 4' (121.92cm)
F7ILAL = Aluminum 1' (30.48cm)   **F7IL4AL** = Aluminum 4' (121.92cm)
F7IL2WH = White 2' (60.96cm)   **F7IL8WH** = White 8' (243.84cm)
F7IL2AL = Aluminum 2'(60.96cm)   **F7IL8AL** = Aluminum 8' (243.84cm)

12" (30.48cm)

Job Information | **Type:**

PHILIPS

LIGHTOLIER®