

## Ordering Information

Family	Lamps	Shielding	Wattage	Voltage	Length	Options
<b>LFK</b>	<b>1</b> 1 = 1 lamp per 4' (121.92cm)	<b>N</b> N = No Shielding	<b>28</b> = 28w T5 <b>54</b> = 54w T5 <b>2D</b> = 28w T5 Dimming <b>5D</b> = 54w T5 Dimming <b>2E</b> = 28w T5 Emergency Pack <b>5E</b> = 54w T5 Emergency Pack	<b>1</b> = 120v <b>2</b> = 277v	<b>4</b> = 4' (121.92cm) <b>8</b> = 8' (243.84cm)	<b>DS</b> = Dual Switch <b>X4</b> = 4 Through Wires <b>X5</b> = 5 Through Wires

Complete Ordering Instructions below.

## Features

- Extrusion:** Extruded aluminum, painted white.
- Housing:** Multi-layered 5/8" (1.59cm) thick polycarbonate panels with patented prism design. Clear outer layer and an opal non-glare inner layer. Light transmission is 32% ASTM D1003 perpendicular to the panel. Reflectivity is more than 40% perpendicular to the panel.
- Endcap:** Die cast aluminum, painted white.
- Ballast Channel:** Accepts linear fluorescent ballasts up to 1.2" (3.05cm) wide by 1.2" (3.05cm) tall.
- Lamp:** T5 linear fluorescent, 28 or 54 watt. (by others).

## Electrical

**Ballast:** Electronic and meets A.N.S.I. starting, end of life protection, T.H.D., "A" sound rating, and end-of-life specifications. Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

**Wiring:** 3 Conductor 18 gauge wire. Color-coded quick connectors allow ease of connection for fixture modules.

**Dimming:** Advance Mark X. Use Advance compatible 2 wire control (no extra lead is required in the luminaire).

**Emergency Battery Pack:** 54 Watt: 390-700 Lumens for 90 minutes,  
28 Watt: 370-520 Lumens for 90 minutes.

**Dual Switching:** Order the DS option for separate row switching. DS option comes complete with the 4th through wire option.

**4 and 5 wire:** Order X4 for EM Battery Pack. For non-standard dimming options order X5 option for Osram or DALI 54 watt dimming, X4 option for Lutron HiLume or ECO-10 54 Watt dimming.

Consult Factory for any additional wiring conditions.

## Finish

Powder coated white baked enamel. Custom colors available, consult factory.

## Mounting

Mounting locations are adjustable along the top of the extrusion. Cable suspension (not shown) consists of 4 1/2" (11.43cm) diameter canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm). Draw-tight connector to create hairline seam between joiner modules. Modules allow 6" (15.24cm) of suspension position adjustment.

## Ordering Instructions

### Individual Fixtures:

- Order number of MODULES required.
- Order one POWER FEED CABLE END SET per MODULE.

### Continuous Rows:

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

## Labels

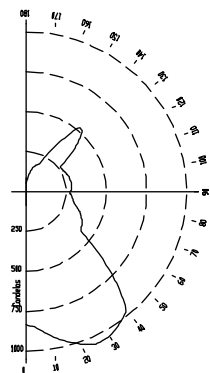
UL, cUL and I.B.E.W. Patent Applied For.

Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

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

### CANDLEPOWER CURVE



REPORT NO.: ITL54306  
LAMPS: 1-F54T5  
LUMENS: 5000  
EFFICIENCY: 87.0%  
CAT NO.: LFK1N5414

### CANDLEPOWER

ZONE DEG.	0	22	45	67	90
CANDELAS					
180	54	54	54	54	54
175	53	56	61	65	68
165	51	74	113	140	149
155	50	104	160	182	190
145	46	127	193	339	400
135	40	131	344	491	475
125	32	153	360	277	264
115	23	229	184	247	275
105	13	75	162	250	286
95	6	51	131	234	286
90	0	40	118	224	277
85	15	60	132	237	285
75	129	145	214	284	317
65	287	445	293	357	381
55	422	617	600	438	418
45	550	731	848	844	784
35	659	799	948	997	1012
25	745	833	953	1025	1050
15	806	847	910	953	971
5	836	844	857	860	864
0	835	835	835	835	835

### COEFFICIENTS OF UTILIZATION % EFFECTIVE CEILING CAVITY REFLECTANCE

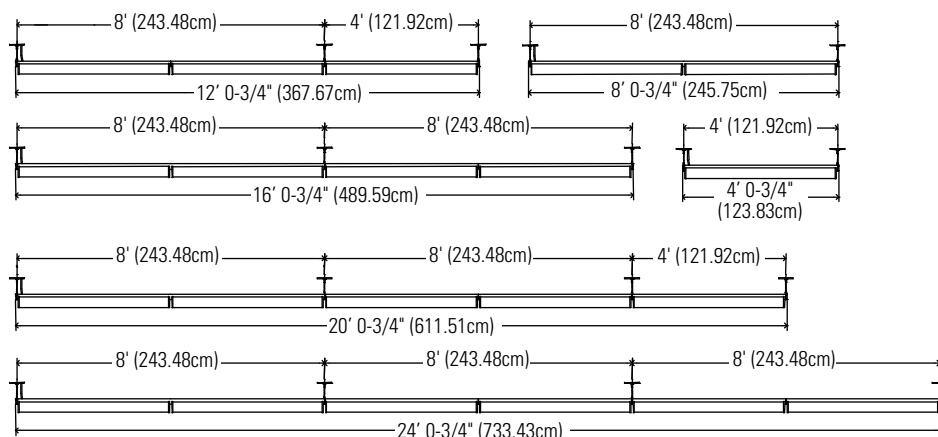
		80%			70%			50%		
		WALL REFLECTANCE								
		70	50	30	70	50	30	50	30	10
ROOM CAVITY RATIO	0	98	98	98	93	93	93	83	83	83
	1	88	84	80	83	80	76	72	69	66
	2	80	73	67	76	69	64	62	58	54
	3	73	64	57	69	61	54	55	50	46
	4	67	56	49	63	54	47	48	43	39
	5	61	50	43	58	48	41	43	38	33
	6	56	45	37	53	43	36	39	33	29
	7	52	41	33	49	39	32	35	29	25
	8	48	37	30	46	35	29	32	26	22
	9	45	34	27	42	32	26	29	24	20
10	42	31	24	40	30	23	27	22	18	

### 20% FLOOR CAVITY REFLECTANCE

### DISTRIBUTION

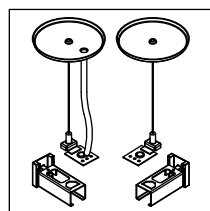
Zone	Lumens	% Lamp	% Luminaire
0-90	3136	63.0	72.0
90-180	1216	24.0	28.0
0-180	4352	87.0	100.0

## Fixture Lengths & Mounting

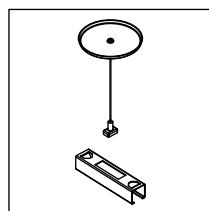


Note: All suspension points have 6" (15.24cm) of adjustment within each module. 12" (30.48cm) when two modules are joined. Field cutting of wire cover is required.

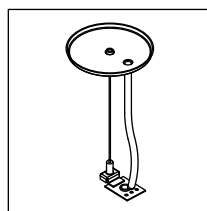
## Mounting Accessories



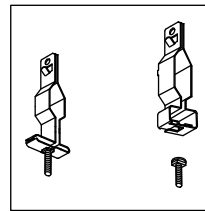
**Power Feed Cable End Set**  
Cable length is 36" (91.44cm)  
Straight Cord: **LFKEC36WH**  
4 Wire Cord: **LFKEC36WHX4**  
5 Wire Cord: **LFKEC36WHX5**



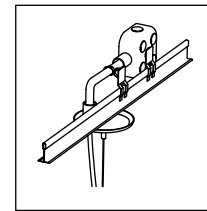
**Intermediate Cable Set**  
Cable length is 36" (91.44cm)  
Single Cable: **LFKC36**



**Intermediate Cable/Cord Set**  
Cable length is 36" (91.44cm)  
Straight Cord: **LFKCC36**  
4 Wire Cord: **LFKCC36X4**  
5 Wire Cord: **LFKCC36X5**



**Ceiling Grid Kit (CGK)**  
Includes both standard 1" (2.54cm) Tee and Slot Tee Clip.  
Order one for every non-powered suspension point.



**Ceiling Grid Kit—Power (CGKP)**  
Includes the hardware necessary to install a power feed above a suspended ceiling. J-box not included. Order one for every powered suspension point.

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