

Ordering Information

Style	Lamps	Length	Ballast	Voltage
CL	1			
	1 = 1-Lamp T5	2 = 2-Foot Nominal 3 = 3-Foot Nominal 4 = 4-Foot Nominal 6 = 6-Foot Nominal 8 = 8-Foot Nominal	T5 = T5 Standard Output HO = T5 High Output	1 = 120v 2 = 277v

Features

- 1. Housing:** Die-formed 20 gauge pre-painted steel. Low profile 1-3/4" (4.45cm) in height and 5-3/4" (14.61cm) in width.

Fixture	O.A. Length
2-foot nominal	22" (55.88cm)
3-foot nominal	34" (86.36cm)
4-foot nominal	46" (116.84cm)
6-foot nominal	68" (172.72cm)
8-foot nominal	92" (233.68cm)

- 2. Lamping:** One T5 fluorescent lamp. Provided by others.

Fixture	T5	T5HO
2-foot nominal	1-FP14	1-FP24/HO
3-foot nominal	1-FP21	1-FP39/HO
4-foot nominal	1-FP28	1-FP54/HO
6-foot nominal	2-FP21	2-FP39/HO
8-foot nominal	2-FP28	2-FP54/HO

- 3. Reflector:** Constructed of precision die-formed specular aluminum lighting sheet. Reflector is covered with a scratch resistant protective coating to prevent damage during installation.
- 4. Ballast:** Specify 120v or 277v. electronic .98 ballast factor, rapid start. HPF, class "P" thermally protected.

Electrical

3 conductor, 12 gauge wire. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

Labels

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

Job Information

Type:

Job Name:

Cat. No.:

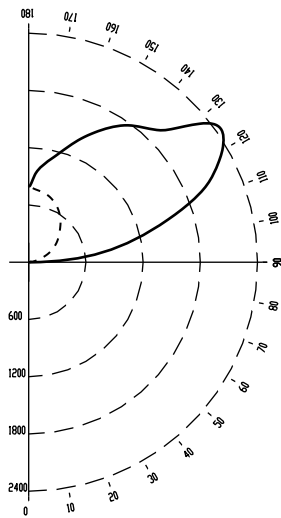
Lamp(s):

Notes:

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

CANDLEPOWER CURVE



REPORT NO: LRL 400-5B
 LAMPS: 1 F54T5
 LUMENS: 5000
 EFFICIENCY = 80.0%

CANDLEPOWER

Zone	0	22	45	67	90	112	135	157	180	
Deg.										
			CANDELAS							
180	789	789	789	789	789	789	789	789	789	
175	950	952	864	971	768	743	658	646	630	
165	1169	1167	1083	983	734	589	416	380	361	
155	1467	1407	1164	1013	670	435	284	275	220	
145	1751	1693	1340	983	576	301	160	104	79	
135	1955	1784	1412	937	460	187	53	16	15	
125	2453	2390	1551	987	357	98	13	14	14	
115	2124	2075	1871	815	241	17	7	7	8	
105	1364	1322	1295	922	106	8	7	10	10	
95	561	533	514	362	22	6	8	10	10	
90	64	37	64	13	13	5	11	8	10	
85	8	8	11	4	10	6	10	10	11	

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

	% WALL REFLECTANCE								
	80			70			50		
	70	50	30	70	50	30	50	30	10
0	76	76	76	65	65	65	44	44	44
1	69	66	63	59	57	54	39	37	36
2	63	58	53	54	49	46	34	32	30
3	57	51	45	49	43	39	30	27	25
4	52	45	39	45	38	34	26	23	21
5	48	39	33	41	34	29	23	20	18
6	44	35	29	37	30	25	21	18	15
7	40	31	25	34	27	22	19	15	13
8	37	28	22	32	24	19	17	14	11
9	34	25	20	29	22	17	15	12	10
10	32	23	18	27	20	16	14	11	9

20% FLOOR CAVITY REFLECTANCE

Distribution Summary

Zone	Lumens	% Barelamp	Luminaire
0-90	0	0	0
90-180	4002	80.0	100.00
0-180	4002	80.0	100.00

Quick Calculators & Ceiling Brightness

Readings are rounded off based on initial footcandles at center of 20-foot run of luminaires. Room reflectance are 80% ceiling, 50% wall and 20% floor.

T5 54W, 2 Fixtures, 2 Walls, 14" (0.36) from Ceiling

Distance From Ceiling	Distance from wall						
	1'	3'	5'	7'	9'	11'	13'
14" (0.36m)	268	119	47	36	47	119	268
8'6" (2.59m)	76	81	82	82	82	81	76
9'6" (2.90m)	73	77	79	79	79	77	73
10'6" (3.20m)	70	74	76	76	76	74	70
11'6" (3.51m)	67	71	73	73	73	71	67
12'6" (3.81m)	62	66	68	68	68	66	62

T5 54W, 2 Fixtures, 2 Walls, 18" (0.46) from Ceiling

Distance From Ceiling	Distance from wall						
	1'	3'	5'	7'	9'	11'	13'
18" (0.46m)	271	120	48	36	48	120	271
8'6" (2.59m)	78	83	84	84	84	83	78
9'6" (2.90m)	74	79	80	81	80	79	74
10'6" (3.20m)	71	75	77	78	77	75	71
11'6" (3.51m)	68	72	74	75	74	72	68
12'6" (3.81m)	62	65	67	68	67	65	62

T5 54W, 1 Fixture, 1 Wall, 14" (0.36) from Ceiling

Distance From Ceiling	Distance from wall						
	1'	3'	5'	7'	9'	11'	13'
14" (0.36m)	316	86	27	15	11	9	8
8'6" (2.59m)	56	56	50	41	33	27	22
9'6" (2.90m)	52	51	47	40	33	28	23
10'6" (3.20m)	48	48	44	39	33	28	24
11'6" (3.51m)	44	44	42	37	33	28	24
12'6" (3.81m)	38	38	37	33	29	26	23

T5 54W, 1 Fixtures, 1 Wall, 18" (0.46) from Ceiling

Distance From Ceiling	Distance from wall						
	1'	3'	5'	7'	9'	11'	13'
18" (0.46m)	261	109	35	18	12	10	9
8'6" (2.59m)	54	54	49	41	34	27	23
9'6" (2.90m)	49	50	46	40	34	28	24
10'6" (3.20m)	46	46	44	39	33	28	24
11'6" (3.51m)	43	43	41	37	33	28	25
12'6" (3.81m)	38	39	37	34	30	27	24

Maximum Candle Power: 2453 CD at 125°

Data is based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams.
 FC is initial footcandles at center of beam.

L and W are to the point that the candlepower drops 50% of maximum.

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