

Shallow profile, aesthetically pleasing and simple to use.

TH SERIES THE DIRECTOR 2



5" x 48", 9" x 48", 14" x 48", 5" x 96", 9" x 96" SURFACE FLUORESCENT
1, 2, 3 OR 4 LAMP IN A LUMINAIRE CROSS-SECTION
T8 OR T12 LAMP

A true high quality injection molded lens. Low glare optic with an architectural appearance and luminous ends. Construction for maximum strength.

Project: _____
Location: _____
Catalog No: _____
Fixture Type: _____
Mfg: _____ Lamps: _____ Qty: _____
Notes: _____

Ordering Guide

Explanation of Catalog Number Example: TH248120LE

TH—The Director—2	Lamp/Fixture Length/Watt	Voltage	Ballast Type	Options
TH				
14"	Nominal 5" x 48" 148 = 1-32W T8 or 1-34W T12 Nominal 9" x 48" 1W8 = 1-32W T8 or 1-34W T12 248 = 2-32W T8 or 2-34W T12 Nominal 14" x 48" 2W8 = 2-32W T8 or 2-34W T12 348 = 3-32W T8 or 3-34W T12 448 = 4-32W T8 or 4-34W T12 Nominal 5" x 96" 148T = 2-32W T8 or 2-34W T12 (Tandem) Nominal 9" x 96" 248T = 4-32W T8 or 4-34W T12 (Tandem)	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	LE = T12 Magnetic, Energy Saving SO = 1 or 2 Lamp T8 Electronic 03 = 3 Lamp T8 Electronic 04 = 4 Lamp T8 Electronic PS = LOL Electronic Dimming (Not available in 347V)	Add appropriate suffix to catalog No.

Features

- 72.7% efficient 2 lamp 40W T12.
- One-piece wrap diffuser with opaque end cap.
- Suitable for surface or pendant mounting.
- Suitable for individual or continuous row mounting.
- Diffuser secured with concealed spring catcher.
- Moulded end caps with integral hinge pin receptacle.
- Optional silver reflector.
- Ideal school luminaire.

Specifications

Performance: In an installation of 2 lamp 40W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .73. To reduce glare the average luminance at 65° shall not exceed 1674 candelas per square meter. To control ceiling reflections, luminaire output in the 30°–90° zone shall be not less than 58.7%.

Materials: Chassis parts are die-formed code gauge cold rolled with one piece socket straps.

Finish: Chassis exterior—white baked polyester enamel. Cavity—white baked polyester enamel minimum reflectance 86%. Phosphate undercoating.

Lens: Extruded linear virgin acrylic.

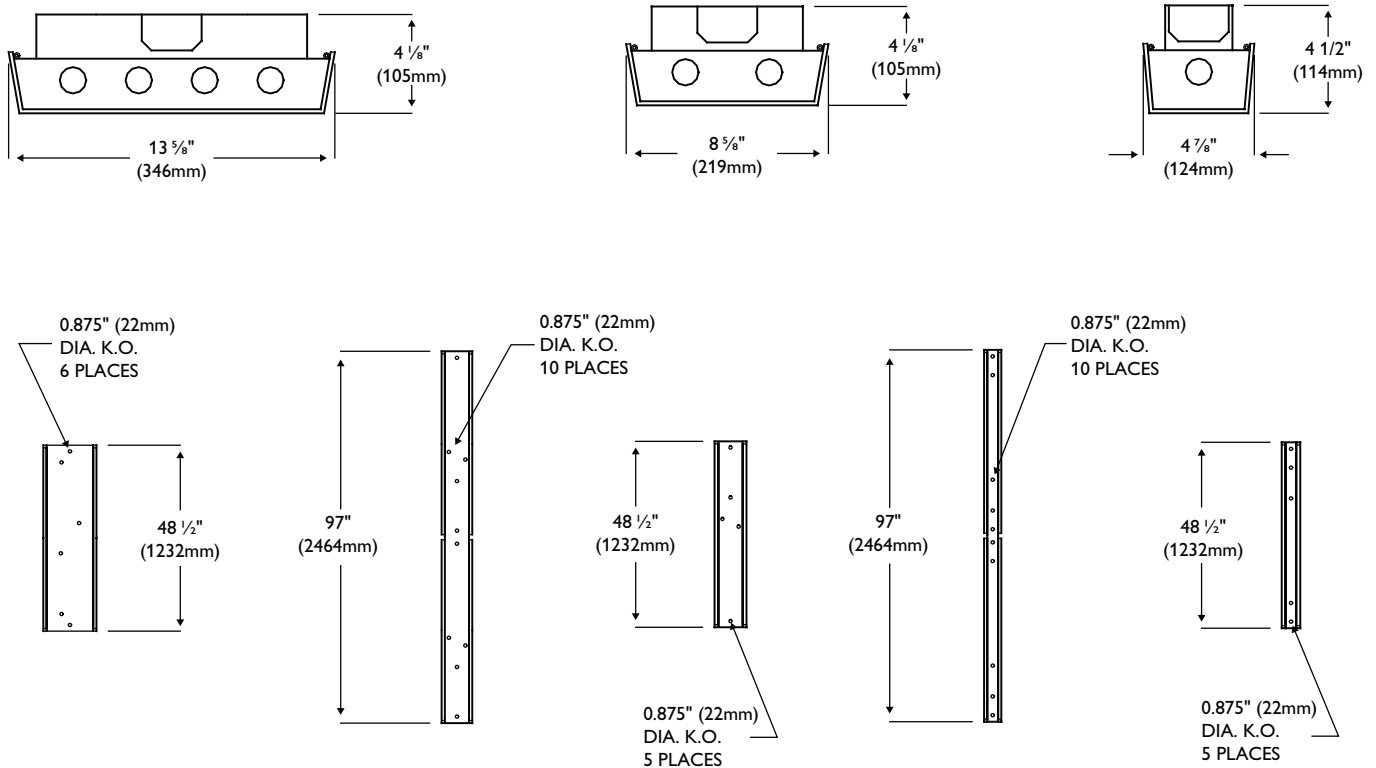
Electrical: Rapid start HPF, thermally protected class "P" ballast. If K.O. is within 3" (76.2mm) of ballast, use wire suitable for at least 90° (194°F).

Labels: Listed by CSA.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws.

See: www.lamprecycle.org

Dimensions



TH SERIES

THE DIRECTOR 2

Performance

Report Number: LSC3830

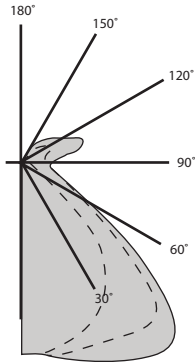
Catalog No: TH248-1

Lamp Type: 2 F40CW 40W

Lumens per Lamp: 3150

Lumen Input Watts: 89.3

Total Efficiency: 72.7%



Candela Distribution

Angle	Along	22.5	45.0	67.5	Across	Output Lumens
0	1249	1249	1249	1249	1249	119
5	1247	1247	1251	1253	1250	
10	1229	1230	1266	1282	1277	
15	1196	1216	1268	1320	1328	
20	1154	1193	1283	1346	1373	
25	1100	1172	1290	1380	1413	591
30	1040	1143	1309	1427	1467	
35	943	1106	1326	1460	1514	
40	807	1038	1322	1459	1503	
45	612	905	1154	1294	1336	
50	363	536	816	996	1015	799
55	220	339	362	692	719	
60	153	240	375	476	456	
65	108	186	247	368	303	
70	76	149	220	285	265	
75	76	127	213	245	245	197
80	55	125	187	209	217	
85	25	84	158	183	184	
90	0	62	114	158	167	

Luminance Data in Candela / Sq. Meter

Angle	Along	45	Across
45	3495	5319	5697
55	1546	2946	3404
65	1030	1554	1674
75	1189	1744	1682
85	1166	1946	1737

Coefficients of Utilization

RC	80%				50%			30%			
RW	70	50	30	10	50	30	10	50	30	10	
RCR	Zonal Cavity Method Effective Floor Cavity Reflectance = .20										
Room Cavity Ratio	1	77	73	71	68	65	63	61	60	59	57
	2	70	65	61	57	58	55	52	54	51	49
	3	65	58	53	49	52	48	45	48	45	42
	4	60	52	46	42	47	42	39	44	40	37
	5	55	46	40	36	42	37	34	39	35	32
	6	51	42	36	31	38	33	29	35	31	28
	7	47	37	31	27	34	29	26	32	28	25
	8	43	33	28	24	30	26	22	29	24	21
	9	39	30	24	20	27	22	19	26	21	18
	10	36	27	21	18	25	20	17	23	19	16

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1068	16.96	23.33
0-40	1867	29.65	40.77
0-60	3154	50.07	68.85
0-90	3758	59.66	82.05
40-90	1890	30.02	41.28
60-90	604	9.60	13.20
90-180	822	13.05	17.95
0-180	4580	72.71	100.00

Options/Accessories

Electrical/Wiring Options:

For special wiring or emergency packs, consult your Philips Lighting representative.

Internal Fusing:

Consult your Philips Lighting representative.

Canopy Spacer:

Suspends luminaire 1½" from surface. Order catalog number **STKF**.

Stem and Canopy:

Suspends luminaire 12", 18", 24", 36" or 48" from surface. Order catalog number **STKF12** (12"), **STKF18** (18"), **STKF24** (24"), **STKF36** (36"), **STKF48** (48"). White finish.

Lens:

Holophane 7100 lens standard.
For pattern 19: suffix **KA**.
For pattern 12: suffix **VB**.

Ballast Options:

For other ballast options, consult your Philips Lighting representative.



© 2013 Koninklijke Philips N.V. All rights reserved.
Specifications are subject to change without notice.
www.philips.com/luminaires

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008