

LIGHT FIELDS®

Fluorescent
Four Lamp T5 or T5 HO

Recessed
Cluster

2' x 2'

online
Find it Fast 236



Applications: LIGHT FIELDS offers flexibility in innovative office lighting. The Micro-Pyramidal Optic (MPO+) produces an unusually brilliant lighting quality without glare or reflections on computer screens. The four-sided lamp configuration provides complete uniformity as desired in many applications. An example may be conference rooms which would especially benefit from these cluster formations.

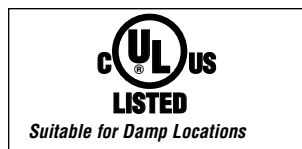
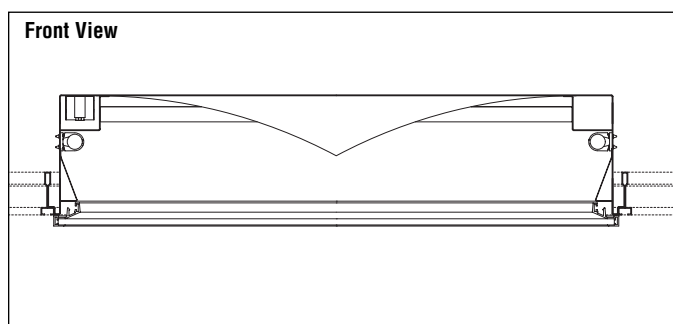
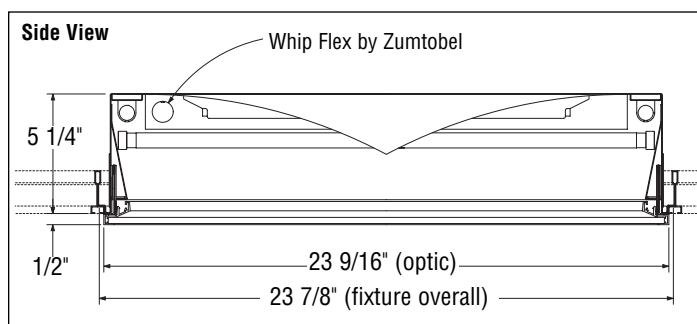
Meets RP-1-04 guidelines for normal (4245) and intensive (4145) VDT-use environments

Type: _____

Project: _____

ORDERING NOTE: Specify fixture/ceiling type, lamping, voltage/ballast and options.

▼ Fixture/Ceiling Type	▼ Length	▼ Lamping	▼ Optic	▼ Voltage/Ballast	▼ Options
	22		MP		
LFCU LIGHT FIELDS Recessed 15/16" Lay-In, Flush 9/16" Slot-Grid, Flush 9/16" Lay-In, Tegular LFCF LIGHT FIELDS Recessed 9/16" Lay-In, Flush <i>For flange details, see next two pages</i>	22 2' x 2'	4145 (4) 14W T5 4245 (4) 24W T5 HO	MP Micro-Pyramidal diffuser	U Universal 120/277V 347 347V DE_* Dimming, Lutron ECO-10™ DH_* Dimming, Lutron HiLume®, (24W only)	WF Whip Flex 3/8" X 6' 14 AWG WN_** Whip Flex 3/8" X 6' 14 AWG F Fusing <i>Can only be ordered with LFCU fixtures</i> PF1 □ Concealed Ceiling Plaster Frame Kit, Flangeless Appearance PF2 ▢ Concealed Ceiling Plaster Frame Kit, Flangeless Appearance PF3 ▣ Concealed Ceiling Plaster Frame Kit, Flangeless Appearance PF4 ▤ Concealed Ceiling Plaster Frame Kit, Flangeless Appearance PF6 ▥ Concealed Ceiling Plaster Frame Kit, Flangeless Appearance PF9 ▧ Concealed Ceiling Plaster Frame Kit, Flangeless Appearance <i>All standard fixtures include attached Whip Flex. * Indicate 120V (1) or 277V (2) ** New York City shipments need clarification of voltage.</i>



IBEW Union Made

1. Housing - 20-gauge cold rolled steel. Finish is powder coated white.

2. Reflector - Spun aluminum reflector to provide uniform brightness across the fixture

3. Optic - Multi-layered, seamless micro-pyramidal structure. Finish is clear anodized aluminum.

4. Lamps/Sockets - (4) 14W T5 or 24W T5 HO lamps, by others.

5. Ballast - Universal voltage electronic 120/277V ballast.

6. Mounting - Integral bend out tabs are provided in the universal (LFCU and LFCF) ceiling fixture types.

7. Dimming - Consult factory for specific dimming requirements other than those listed above.

8. Plaster Frame Kit - Plaster frame kit (PF) available for flangeless concealed ceiling installation. Kit works with LFU fixtures and is available in

pre-determined cluster patterns as shown above. Mud up to flange to provide a smooth, flangeless look.

9. Weight - 30.0 lbs.

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on www.zumtobel.us are the most recent version and supersede all other versions that exist in any other printed or electronic form.

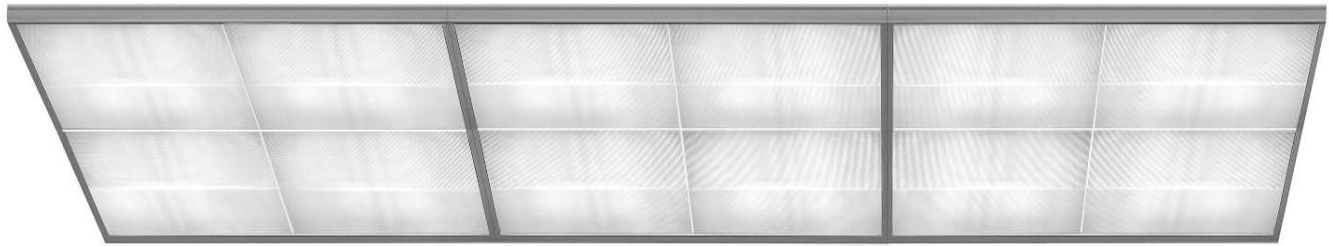
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HiLume is a registered trademark of Lutron Electronics Co., Inc.

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8/27/08

LF-5



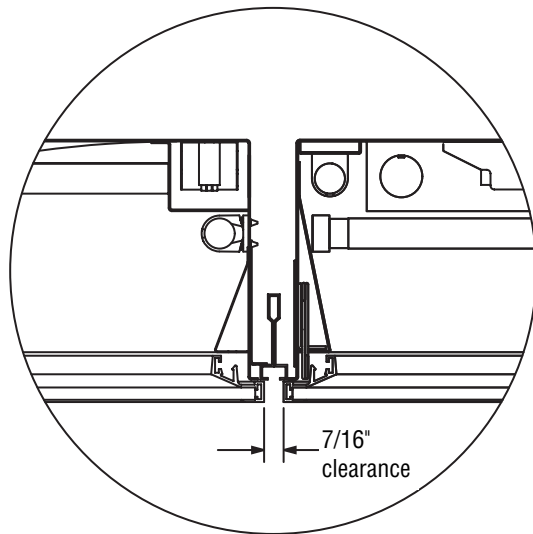
Using LIGHT FIELDS in Cluster Arrangements



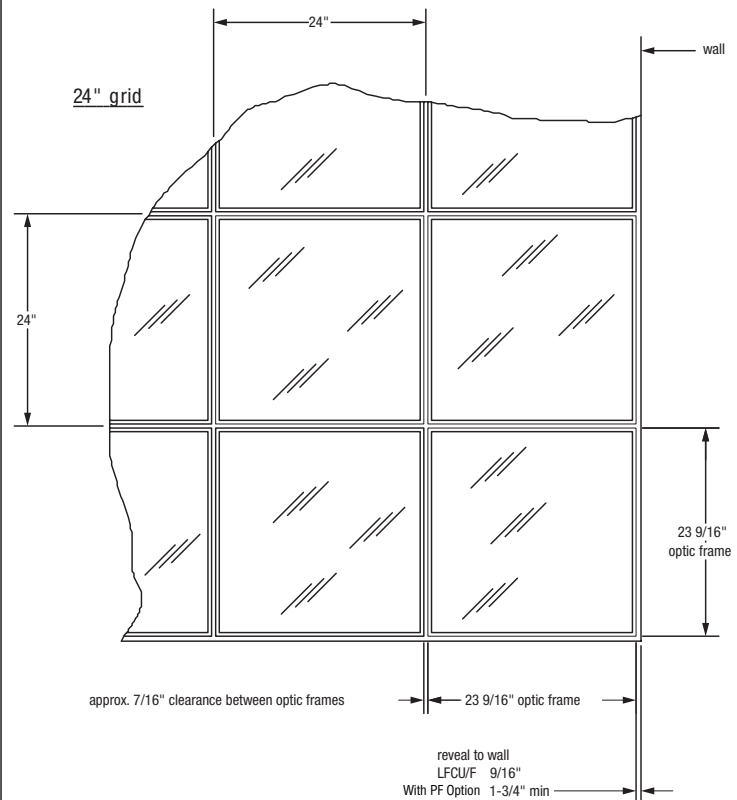
To order LIGHT FIELDS in cluster arrangements:

- Select the quantity of LFC 2x2 fixtures desired. The four-sided lamp configuration of this LIGHT FIELDS fixture, in conjunction with a spun reflector, provides no directional field of light, so the cluster arrangement may be expanded in both directions.
- LFC 2x2 fixtures install in accessible 24" ceiling grids. 8" minimum height above ceiling recommended.
- For non-accessible ceilings, choose PF option. Please submit architectural ceiling plans, electrical feed details and a detailed ceiling specification along with your order.

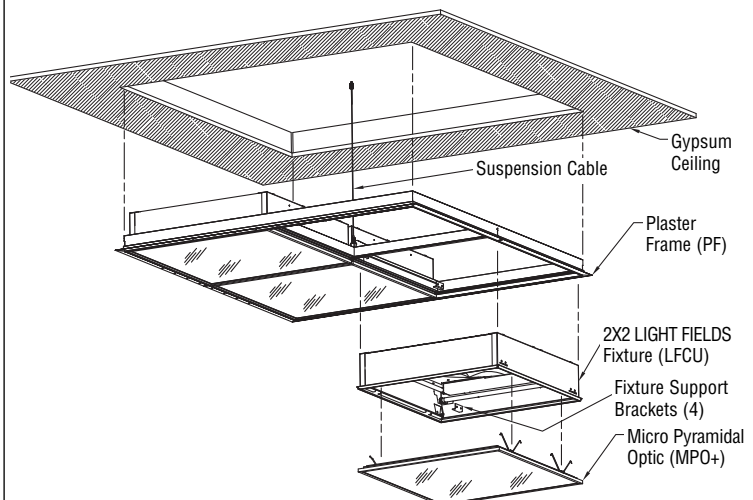
LIGHT FIELDS Cluster T-bar mounting detail



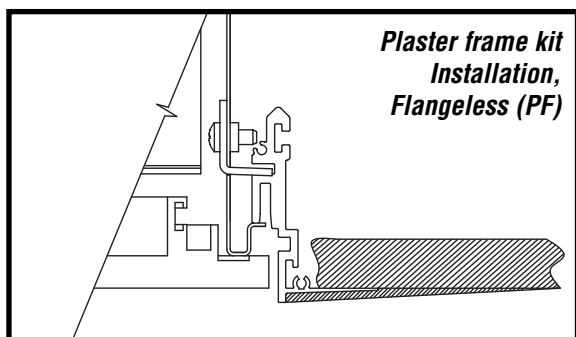
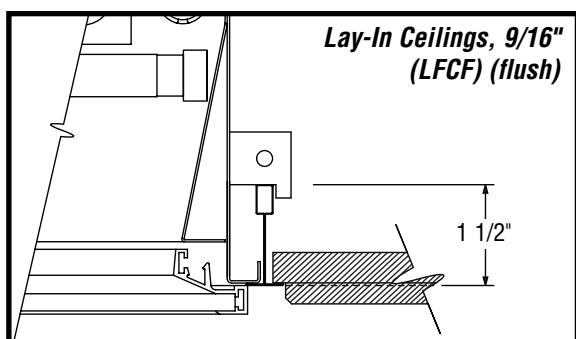
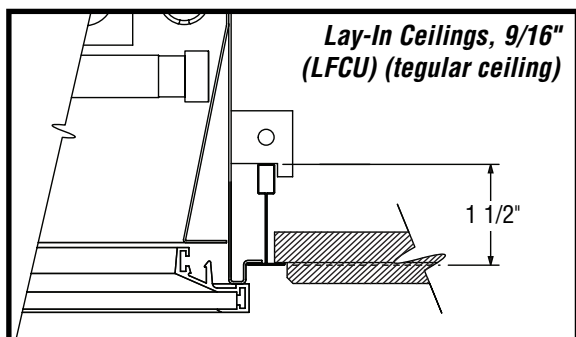
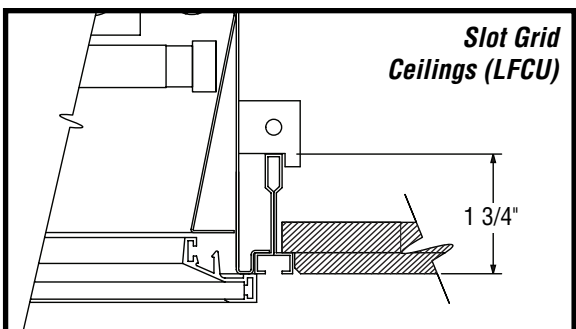
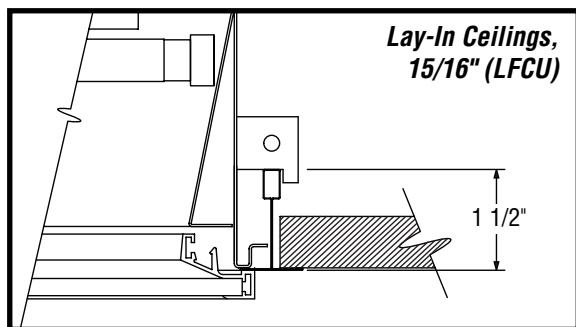
2x2 LIGHT FIELDS recessed for clusters/patterns



Concealed Ceiling Plaster Frame Kit, Flangeless Appearance (PF option)



Mounting with common ceiling types



Photometric Data

LFC 22 4245 MP (4) 24W T5 HO

2x2 RECESSED CLUSTER, MICRO-PYRAMIDAL OPTIC

LTL 08236

Total Luminaire Efficiency 41%

0% Uplight 100% Downlight

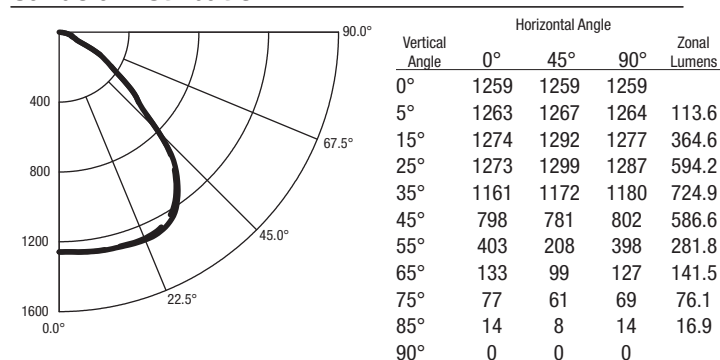
Spacing Criteria

Lateral Plane	0°	90°
	1.4	1.4

TOTAL LAMP LUMENS = 7040

TOTAL INPUT WATTS = 100

Candela Distribution



Luminance Data in Candela / Sq. Meter

Angle in Vertical°	Average 0°	Average 45°	Average 90°
45°	3474	3400	3491
55°	2163	1116	2136
65°	969	721	925
75°	916	725	821
85°	494	283	494

Coefficients of Utilization

Effective Floor Cavity Reflectance = 20%

pcc pw	0.8				0.7				0.5			0.3		
	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1
0	49	49	49	49	48	48	48	48	46	46	46	44	44	44
1	46	45	43	42	45	44	42	41	42	41	40	40	39	39
2	43	40	38	36	42	39	37	35	38	36	34	36	35	34
3	40	36	33	31	39	35	33	31	34	32	30	33	31	30
4	37	32	29	27	36	32	29	27	31	28	26	30	28	26
5	34	29	26	24	33	29	26	24	28	25	23	27	25	23
6	32	27	24	21	31	26	23	21	26	23	21	25	23	21
7	30	24	21	19	29	24	21	19	24	21	19	23	21	19
8	28	22	19	17	27	22	19	17	22	19	17	21	19	17
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