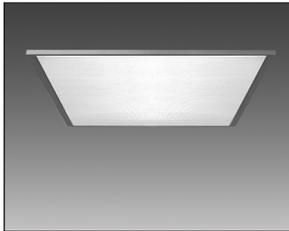


LIGHT FIELDS™ LED LED 3000K, 3500K or 4000K

Recessed **2' x 2'**



Applications: LIGHT FIELDS™ LED offers flexibility in innovative office lighting. The Micro-Pyramidal Optic (MPO) produces an unusually brilliant lighting quality without glare or reflections on computer screens. Use not just in offices but for healthcare, retail, conference rooms, corridors and reception areas.

online
Find it Fast

1053

Type: _____ Quantity: _____ Project: _____

LED

LF_LED	22	40W		MP					
FIXTURE/CEILING TYPE	LENGTH	WATTAGE	CCT (K)	OPTIC	DRIVER	OPTIONS			
LFULED LIGHT FIELDS™ LED 15/16" Lay-In, Flush 9/16" Slot-Grid, Flush 9/16" Lay-In, Tegular LFLEED LIGHT FIELDS™ LED 9/16" Lay-In, Flush White LED Typical Ra / R9 Values 85CRI 10.7R9	22' x 2'	40W 40W 3800lm +/- 5% <div style="border: 1px solid black; padding: 2px;"> CCT Multiplier for Lumen Output 3000K 0.97 3500K 1.00 4000K 1.08 </div>	K30 3000K K35 3500K K40* 4000K * 4000K requires longer lead time 3.5-step MacAdam, +126K/-50K @ 3000K, +75K/-168K @ 3500K, +110K/-165K @ 4000K initial color binning	MP Micro-Pyramidal Diffuser	DU Standard 0-10V Universal Dimming Driver 120/277V	WF Whip Flex 3/8" X 6' 14 AWG WN_* Whip Flex 3/8" X 6' 14 AWG (NYC) EM_* Standby Battery Pack, 950 lm, 10W CP** Chicago Plenum F Fusing WS105_* WattStopper Super High Frequency Sensor FM-105 PF Concealed Ceiling Plaster Frame Kit, Flangeless Appearance (can only be ordered with LFU fixture)	* Specify "1" for 120V or "2" for 277V. ** Chicago Plenum option not available for Sheetrock Ceiling		

To order Plaster Frame Kit or Cluster Frame Kits, select "PF" in the fixture option, along with your Frame Kit

FIXTURE/CEILING TYPE	FRAME KIT
LF22PF1	<input type="checkbox"/> Concealed Ceiling Plaster Frame Kit, Flangeless Appearance, 1 Luminaire
LF22PF2	<input type="checkbox"/> Concealed Ceiling Cluster Frame Kit, Flangeless Appearance, 2 Luminaires
LF22PF3	<input type="checkbox"/> Concealed Ceiling Cluster Frame Kit, Flangeless Appearance, 3 Luminaires
LF22PF4	<input type="checkbox"/> Concealed Ceiling Cluster Frame Kit, Flangeless Appearance, 4 Luminaires
LF22PF6	<input type="checkbox"/> Concealed Ceiling Cluster Frame Kit, Flangeless Appearance, 6 Luminaires
LF22PF9	<input type="checkbox"/> Concealed Ceiling Cluster Frame Kit, Flangeless Appearance, 9 Luminaires

When ordering a Cluster Frame Kit, you must order the number of fixtures and frame kits you need. Ex: If you need 3 quantities of the 9 luminaire kits, you would need to order 27 fixtures and 3 of the LF22PF9 Cluster Kits.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	3726
Watts	40.38
Lumens per Watt (Efficacy)	92
Color Accuracy Color Rendering Index (CRI)	85
Light Color Correlated Color Temperature (CCT)	3488 (Bright White)
LED Lumen Maintenance Projection at 10,000 Hours at 25°C Ambient*	98.66%
Warranty**	Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

* Based on TM-21 projections for the light source.
** See www.lightingfacts.com/products for details.

Registration Number: EMLN WINGA10 (8/19/2013)
Model Number: LFULED22PF9K3500K
Type: Surface-mounted or recessed fixtures



IC-Rated
IBEW Union Made
Suitable for damp locations
NYC Approved



- Housing** – 20 gauge cold-rolled steel housing. Finish is powder-coated white. Post painted.
- Wattage and CCT** – 40W. Available in 3000K, 3500K or 4000K color temperatures. Initial color binning for LEDs is +126K/-50K @ 3000K, +75K/-168K @ 3500K, +110K/-165K @ 4000K, and potential color shift over the life of the LEDs is +/- 50K @ 50,000 hrs.
- Optics** – MPO Micro-Pyramidal optic with seamless look and defined light emission for glare-free light distribution. Frame is extruded aluminum, painted Zumtobel Silver.
- Driver** – Universal voltage 120/277V with integral 0-10V dimming. For non-dimming requirements, order DU driver but do not connect to dimming control during installation.
- Mounting** – Lay-in mounting for typical grid ceilings (LFULED and LFLEED). Above ceiling access is required. Use PF1 (Plaster Frame kit) with LFULED fixture for sheetrock ceiling installation.

LIGHT FIELDS™ LED recessed can also be mounted into a sheetrock wall using the PF kit if the wall has appropriate spacing available, and blocking will have to be built out. Wall mount not recommended with EM fixtures. Follow PF kit installation instructions.

For cluster arrangements, you must select the "PF" option on the fixture, along with the Cluster Frame Kit.

6. Occupancy Sensor – Option of WattStopper FM-105 occupancy sensor located behind lens. It detects motion via super high frequency (SHF) electromagnetic waves and the Doppler principle. Range sensitivity is up to 20'. Due to the nature of the LIGHT FIELDS™ LED optic and lens, the sensor shadow is visible through the lens.

Compatible with the following remote sensors:

- Philips ActiLume LR11655/00 Daylight and Occupancy Sensor
- Philips ActiLume Classic LRM2320
- Hubbell DLC-7 Daylight Sensor

7. Life – 60,000 hours rated life. L70.

8. Standby Battery Pack – Integral standby battery pack with integral test switch. 90 minute run time, provides 750 lm with 10W.

9. PureBinning™ – Beyond the finer quarter-binning we have already applied to most of our standard LED product lines, we define an even finer color binning (~ 2-step MacAdam) in our LIGHTFIELDS™ LED product by using the PureBin™ technique from Zumtobel US. We use the LEDs with

color coordinates located in diagonal directions within a quarter-bin and mix them on the board level with our own formula. The result is a fine-tuned, tighter overall color output from the luminaire that is much closer to exactly the specified color temperature such as 3500K, 3000K, or 4000K. This technique has been proven to work for all different luminaire sizes such as 2x2, 1x4, and 1x1. Both the color uniformity within a single fixture and the color consistency from fixture to fixture are dramatically increased to a level that the output white light is visually non-discernable from the light coming from a single bin located at the center of a particular color temperature white light.

9. Weight – 18.5 lbs. with EM 21.5 lbs.

NOTE: For non-dimming installations, simply cap off the two control wires and connect the hot/neutral and ground as normal.

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D00580TS 09/08/14

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.



COMPANION LUMINAIRE OPTIONS

1x1 LIGHT FIELDS™ LED – Recessed
 1x4 LIGHT FIELDS™ LED – Recessed

FIF #

1052
 1050

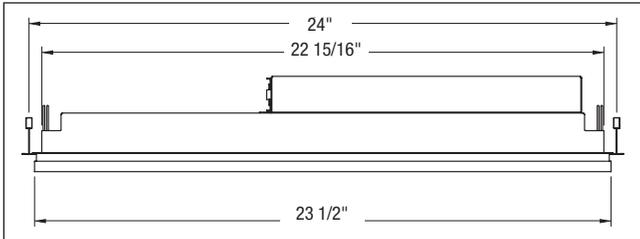
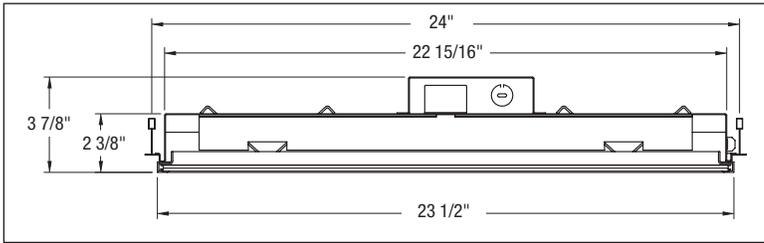
COMPANION LUMINAIRE OPTIONS

1x4 LIGHT FIELDS™ LED – Surface Mount / Suspended
 2x2 LIGHT FIELDS™ LED – Surface Mount / Suspended

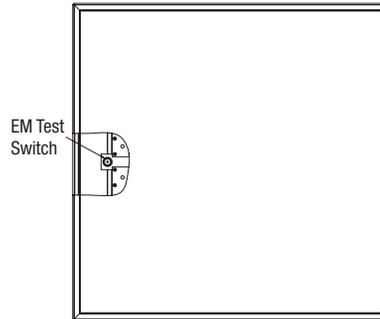
FIF #

1051
 1054

2x2 Recessed



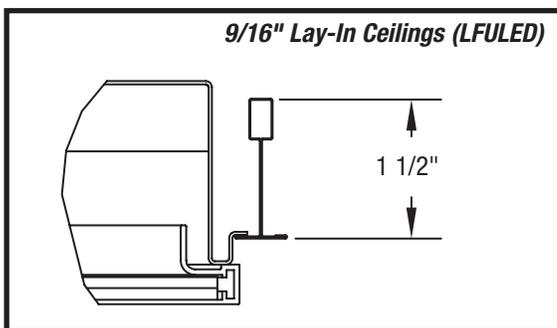
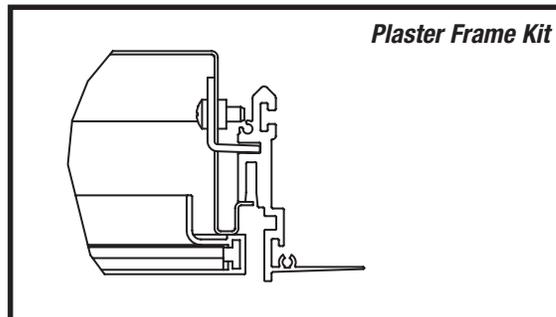
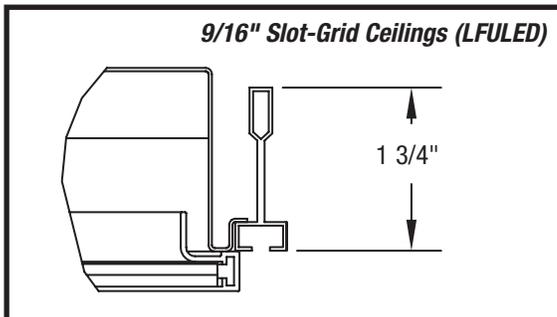
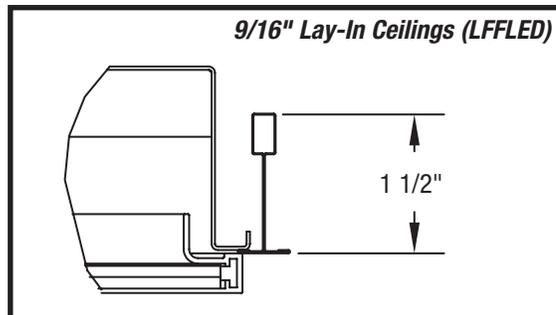
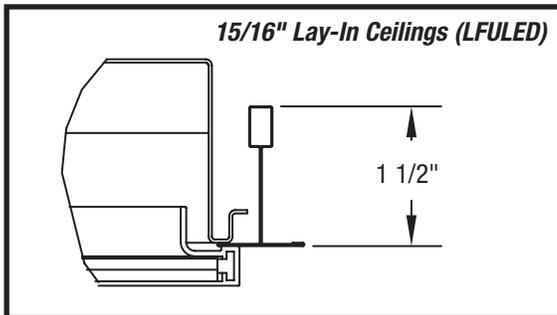
EM Test Switch



Mounting with common ceiling types

Ceiling (Grid or Block) cannot exceed heights shown in the drawings below.

Mounting



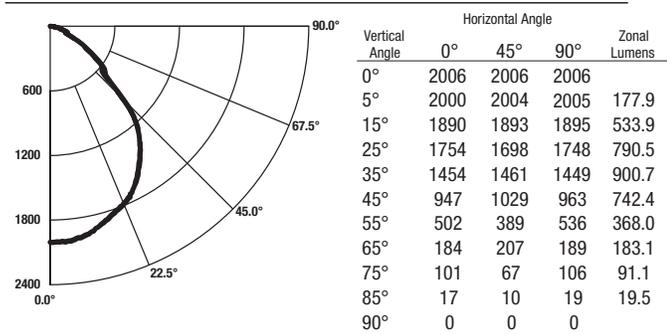
LIGHT FIELDS™ LED, 2x2, 40W, 4000K

Efficacy = 93lm/W

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45°	4051	4404	4120
55°	2647	2050	2826
65°	1318	1481	1350
75°	1186	785	1234
85°	573	354	656

Candela Distribution



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30			
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82		
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72		
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64		
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57		
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46		
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38		
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35		