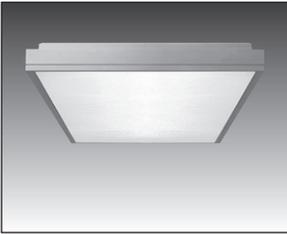


LIGHT FIELDS™ LED

LED
3000K, 3500K
or 4000K

Suspended or
Surface Mounted

1' x 4'



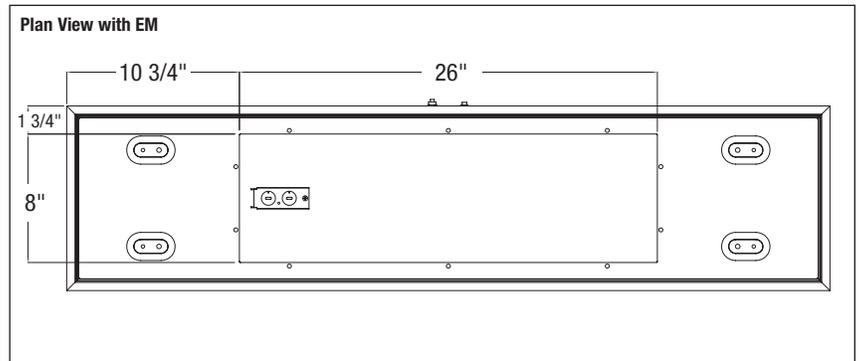
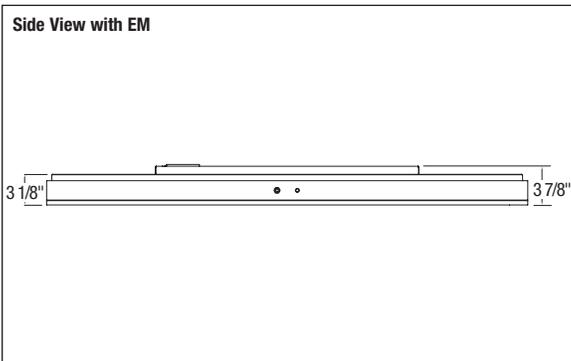
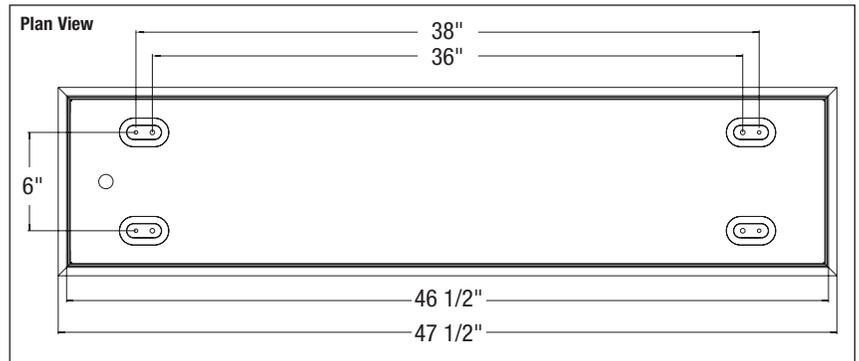
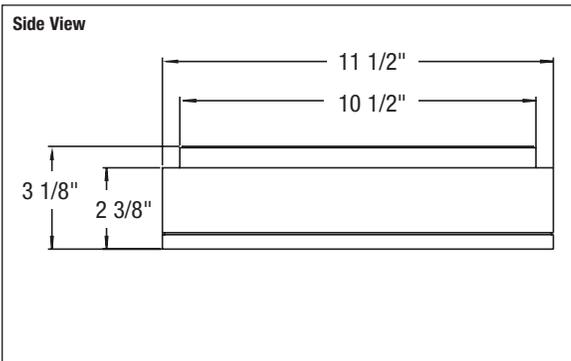
Applications: LIGHT FIELDS™ LED offers flexibility in innovative office lighting. The Micro-Pyramidal Optic (MPO) produces an unusually brilliant lighting quality without glare or reflections on computer screens. Use not just in offices but for healthcare, retail, conference rooms, corridors and reception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

online
Find it Fast **1051**

Type: _____ Quantity: _____ Project: _____

LED

LFSLED	14	40W		MP				
FIXTURE/CEILING TYPE	LENGTH	WATTAGE	CCT (K)	OPTIC	DRIVER	MOUNTING	OPTIONS	
LFSLED LIGHT FIELDS™ LED Suspended or Surface Mount White LED Typical Ra / R9 Values 85CRI 10.7R9	14 1' x 4'	40W 40W 3800lm +/- 5%	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 120V/277V	SM Surface Mount SKW070* Suspension Kit 70" White SKG070* Suspension Kit 70" Gray SKW157* Suspension Kit 157" White SKG157* Suspension Kit 157" Gray	WF** Whip Flex 3/8" X 6' 14 AWG WN_* Whip Flex 3/8" X 6' 14 AWG (NYC) F Fusing EM_* Standby Battery Pack, 936 lm, 10W WS105_* WattStopper Super High Frequency Sensor FM-105	
		CCT Multiplier for Lumen Output 3000K 0.97 3500K 1.00 4000K 1.08					* Specify "1" for 120V or "2" for 277V. ** Whip Flex only available with Surface Mount.	
							* Must select Power Feed and Non-Power Feeds from page 3.	



COMPANION LUMINAIRE OPTIONS	FIF #	COMPANION LUMINAIRE OPTIONS	FIF #
1x1 LIGHT FIELDS™ LED – Recessed	1052	1x4 LIGHT FIELDS™ LED – Recessed	1050
2x2 LIGHT FIELDS™ LED – Recessed	1053	2x2 LIGHT FIELDS™ LED – Surface Mount / Suspended	1054

Zumtobel Lighting, Inc. ©2014
3300 Route 9W
Highland, NY 12528-2630

845-691-6262
800-448-4131
zli.us@zumtobel.com

www.zumtobel.us

D00578TS 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.



Descriptions



IC-Rated

IBEW Union Made

Suitable for damp locations
NYC Approved



Registration, Evaluation and Authorization of Chemicals



1. Housing – Made from aluminum extrusions, painted Zumtobel Silver.

2. 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.

3. Optics – MPO Micro-Pyramidal optic with seamless look and defined light emission for glare-free light distribution. Frame is extruded aluminum, painted Zumtobel Silver.

4. 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.

5. Mounting – Suspended – Supported by adjustable aircraft cables. **Surface Mount** – Top plate attaches to ceiling, fixture snaps onto top plate for sleek installed look.

LIGHT FIELDS™ LED surface can also be mounted to a sheetrock wall if the wall has appropriate spacing available. EM fixtures will need a hole cut out for the EM pack. Follow surface mount installation instructions.

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 test switch located on side of housing. 90 minute run time, provides 936lm 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.

10. Weight – 25 lbs. with EM 28 lbs.

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

lighting facts®							
A Program of the U.S. DOE							
Light Output (Lumens)	3585						
Watts	41.48						
Lumens per Watt (Efficacy)	86						
Color Accuracy Color Rendering Index (CRI)	85						
Light Color Correlated Color Temperature (CCT)	3476 (Bright White)						
<table border="1"> <tr> <td>Warm White</td> <td>Bright White</td> <td>Daylight</td> </tr> <tr> <td>2700K</td> <td>3000K</td> <td>4500K</td> </tr> </table>		Warm White	Bright White	Daylight	2700K	3000K	4500K
Warm White	Bright White	Daylight					
2700K	3000K	4500K					
LED Lumen Maintenance Projection at 10,000 Hours at 25°C Ambient*	98.66%						
Warranty**	Yes						
<small>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.</small>							
<small>* Based on TM-21 projections for the light source.</small>							
<small>** See www.lightingfacts.com/products for details.</small>							
<small>Registration Number: EMMN-RE207A (8/19/2013) Model Number: LFLED-HV00W-3585PDU Type: Surface-mounted or recessed surface</small>							



EM test switch location

Suspension Information

1. Select Power Feed Suspensions

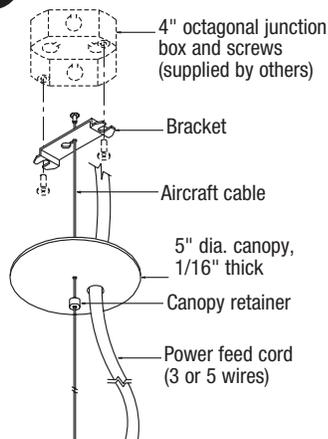
FIXTURE	SUSPENSION TYPE/LENGTH	CANOPY
LFSLED LIGHT FIELDS LED	CBL070 Aircraft Cable 70"	J5FW J-box mounting, 5" round, flat canopy, white
	CBL157 Aircraft Cable 157"	

2. Select NON-Power Feed Suspensions

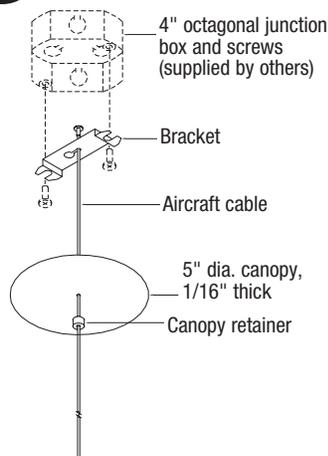
FIXTURE	SUSPENSION TYPE/LENGTH	CANOPY
LFSLED LIGHT FIELDS LED	CBL070 Aircraft Cable 70"	J5W J-box mounting, 5" round, flat canopy, white
	CBL157 Aircraft Cable 157"	S2W 1/4-20, 2" flat canopy, white
		S5W 1/4-20, 5" flat canopy, white

Standard mounting attachments

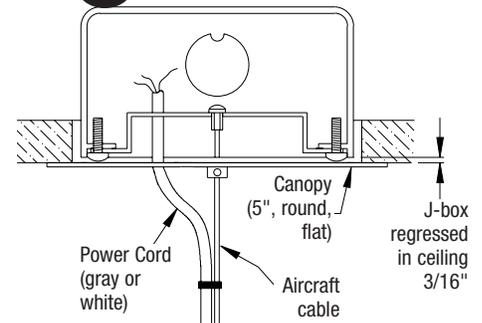
J5 J-box Mounted with Power Feed



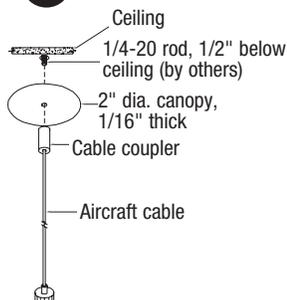
J5 J-box Mounted Non-Power Feed



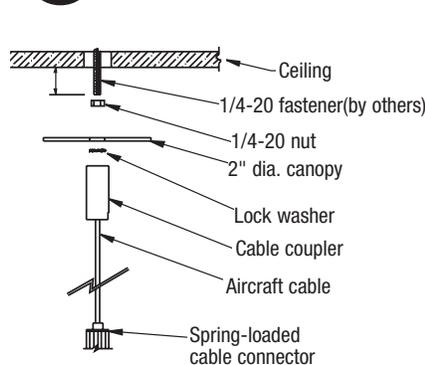
J5 (Feed) Canopy Detail



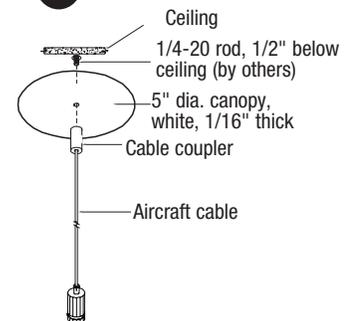
S2 1/4-20 Fastener



S2 1/4-20 Fastener Detail



S5 1/4-20 Fastener



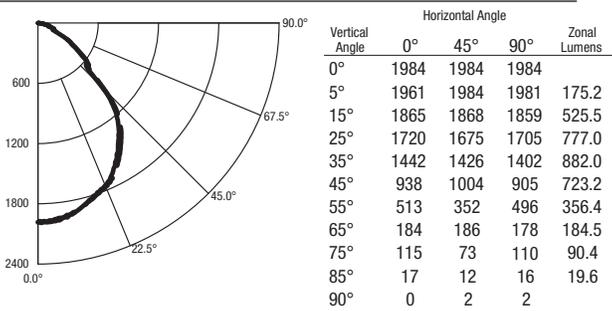
LIGHT FIELDS™ LED, 1x4, 40W, 4000K

Efficacy = 92lm/W

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45°	4148	4439	4000
55°	2795	1921	2705
65°	1363	1376	1316
75°	1394	882	1328
85°	610	413	578

Candela Distribution



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30			
	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		