

Luminex™ 2040E_G3 _ EDGE-LIT FLAT LED 2X4 PANEL

1/28/13 Updated



A high performance LED flat panel designed to lay in to drop ceilings; typically used to replace 2'x 2' and 2'x 4' fluorescent fixtures. Suitable for office, school, hospital and medical facility applications. Panels are fully dimmable, and are compatible with building controls, motion sensors, timers, and daylight harvesting systems.

The design of the panels produces an even, consistent shadowless light. The LEDs mean long life, high lumen maintenance, high CRI, and low maintenance, with no hazardous materials.

PROJECT NAME	
CATALOG NUMBER	
LOCATION	
NOTE	

FEATURES:

- Lumens: 3,500K: 4,200 lm ↑ / 5,000K: 4,600 lm ↑
- 50 Watts
- CCT : 3,500K, 5,000K
- 50,000 Hour Life (L70)
- 20.2 lbs
- 0-10V dimming
- 5 Year Warranty
- CRI: CRI 85 (Typ.)
- Optional remote power supply as required
- Surface mount and suspension kits available
- LED: Samsung 2323 LED
- LM79 Test data available
- 0~10V dimming
- Zigbee wireless control (Optional)



CONTROL:

- Standard discrete driver on back
- Up to 15 panels can be linked to each master panel

CONSTRUCTION:

- The housing and back panel are aluminum providing heat sink and thermal control capabilities
- Lens is translucent white polycarbonate
- Profile including the control box is 2 inches
- Unique mounting gives flush-fit in drop ceiling
- Modular construction for easy replacement

Luminaire Ordering Information:

Typical Order Example - L2040E503585_G3

	Dimension	Optic	Wattage	Color	CRI	Finish	Option	Dimming
L = Luminex	2040 = 2'x4'	E = Edge-Lit	50 = 50 Watt	35 = 3500 50 = 5000	85 = > 85 (TYP.)	Blank = Off White Standard	RP = Remote PSU	G3 = 0~10V

Optional Accessories:

OPTIONS: Add option's suffix (below) to model numbers (above) when ordering options. (ie: L2040E505085_RP_G3)

Item	Model Number	Description	Option's Suffix	Item	Description
Luminex™	L-PCSK	Aircraft cable suspension kit	RP	Remote PSU	Allowing for an installation depth of just 2"
	L-2040ESMK	Surface Mounting Kit 2x4 Edge-Lit			



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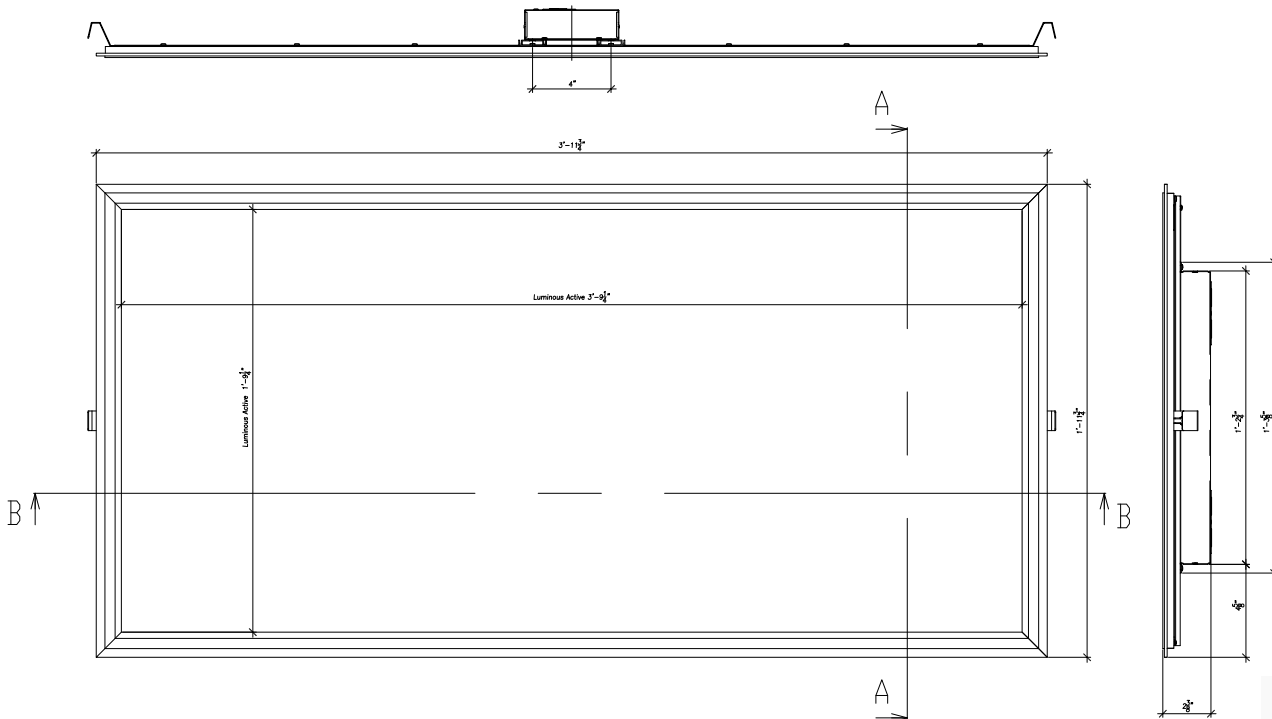
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▪ **SPECIFICATION:**

Specification	Description	
Lamp Type	Side Edge	
Color Temperature (CCT: K)	3,500K	5,000K
Luminous Flux (lm)	4,200 ↑	4,600 ↑
Efficiency (lm/w)	84 lm/W	93 lm/W
LED / Samsung 2323 LED	SPMWHT221MD5WU0S0	SPMWHT221MD5WARMS0
Color Consistency	Proprietary binning for uniform color	
Lumen Maintenance (L70)	50,000 hours	
Power Factor	0.9 ↑	
Input Voltage	120-277VAC, 50/60 Hz	
Power Consumption	50 Watt	
Dimming Range	0~10V Dimming	
CRI (Ra.)	85 (Typ.)	
Dimension	23.7" x 47.7" x 5/8"	
Weight	20.2 lbs	
Optics	Light Refraction / Acrylic Diffusion	
Beam Angle	120°	
Application	Fits standard grid for drop ceilings	
Operating Temperature	-20°F to 130°F	
Humidity	20% - 85% RH, Non condensing	
Certification	UL / ETL	
Material Usage	RoHS compliant, No mercury	
Environment	Dry location, Indoor Use	
LED Class	L70 rated to 50,000 hours	

▪ **DIMENSION:**



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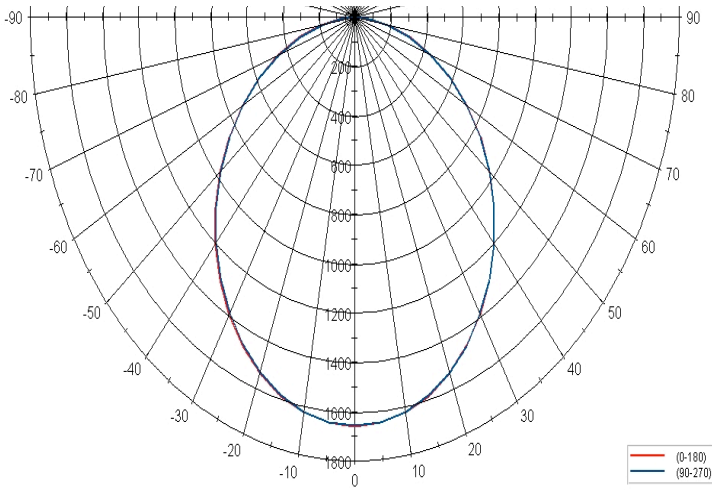
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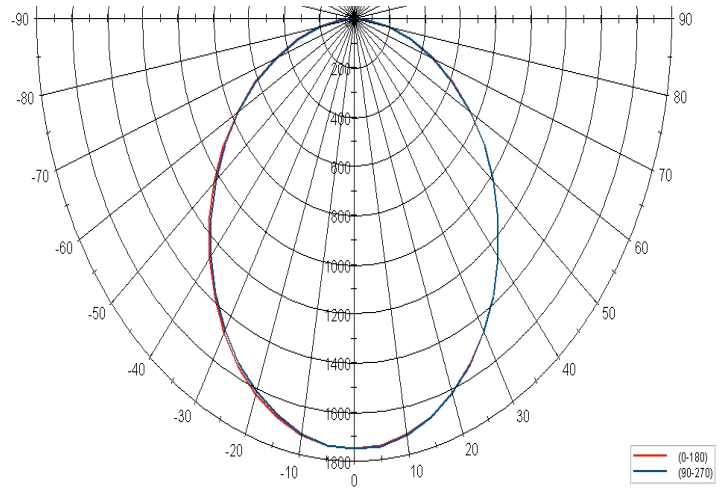
▪ PHOTOMETRIC:

Conical Illuminance

2'X4' Troffer Side Edge (3,500K)

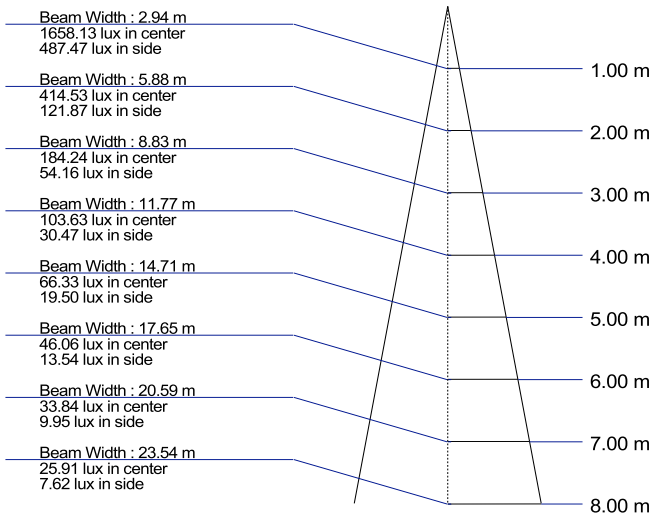


2'X4' Troffer Side Edge (5,000K)



Polar Distribution

2'X4' Troffer Side Edge (3,500K)



2'X4' Troffer Side Edge (5,000K)

