



2' x 2' LED Panel

### Product Description

The K-LUMINA22 LED Panel typically used to replace 2'x2' fluorescent fixtures or new construction, It is designed to lay in drop ceilings in offices, schools and healthcare applications. The K-LUMINA22 LED panel is available for 4000K/5000K and offers 0-10VDC control dimming standard. The LEDs enable long life, high lumen maintenance, and high CRI, and are low maintenance and constructed without hazardous materials.

### Applications

- Office Spaces
- Schools and Universities
- Hotels
- Lobby Areas
- Hospitals
- Meeting Rooms

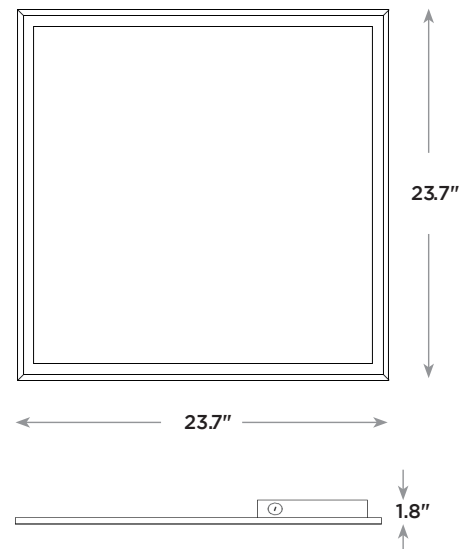
### Features:

- Face frame is extruded aluminum painted white
- Ultra thin for narrow plenums
- Delivered Light Output : 4000 lumens
- Power : 40 watts
- CRI : 80
- CCT: 4000K,5000K
- Input Voltage : 100-277 VAC
- Warranty : 5 Years
- Lifetime : Designed to last 50,000 hours
- Dimming :10%-100% with 0-10V dimming controls
- Mounting : Recessed,Suspension
- Dimensions : L 23.7" x W 23.7" x H 1.8"
- Weight : max 6.61 lbs.
- Certification : ETLus , DLC , Fcc
- Also available in 2'x 4'
- Fits standard T-bar and narrow grid drop ceilings
- 7/8" conduit knock out provided

## K-LUMINA 22 SERIES



### Dimensions:



### Luminaire Ordering Information:

Watts	Order Number	Model Number	Nominal Lumens	Lamp Life (Hrs.)	Dimensions (LxWxH)	CCT
40		KL22H-40W40K-D	4000	50,000	23.7"X23.7"X 1.8"	4000K
40		KL22H-40W50K-D	4000	50,000	23.7"X23.7"X 1.8"	5000K

**Product Specifications**

ITEM	SPECIFICATION	DETAILS	
General Performance	Spacing Criteria	Available upon request	
	Wattage (W)	40W	40W
	Color Temperature (CCT)	4000K	5000K
	Nominal Lumens Delivered	4000lm	4000lm
	Efficacy (LM/W)	100lm/w	100lm/w
	CRI	>80	
	Color Consistency	Proprietary binning for uniform color	
	Lumen Maint. (L70)	50,000 hours	
Electrical	Power Factor	Over 95%	
	Input Voltage	100V-277V 50/60 Hz	
	Power Consumption	40watt nominal	
	THD	< 20%	
Control	Dimming Switch	Standard 0 -10V dimming 10%-100%	
	Linking Lengths/Qty	15 cable feet x 20 panels	
Physical	Dimensions	23.7" x 23.7" x 1.8"	
	Weight	6.61 lbs.	
	Housing	Aluminum	
	Lens	Translucent white PS	
	Mounting	Fits standard grid for drop ceilings	
	Operating Temperature	-5°F to 104°	
	Humidity	20% - 85% RH, non condensing	
Certification	Certification	ETLus, DLC, Fcc	
	Material Usage	RoHS compliant; no mercury	
	Environment	Damp location	
	Warranty	Five year	

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- ETLus Listed
- DLC qualified.
- Fcc tested

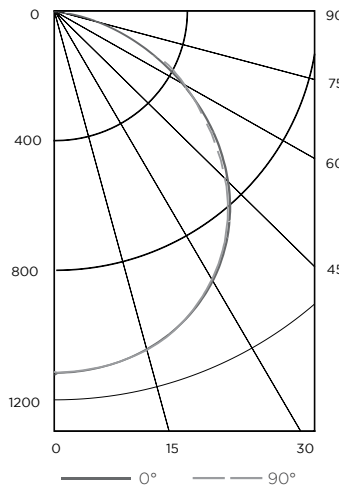
**Applicaton Reference**

Open Space					
Spacing	Lumens	Wattage	LP	w/ft <sup>2</sup>	Average fc
8 x 8	3300Lm	30	100	0.47	46
	4400Lm	40	100	0.63	62
8 x 10	3300Lm	30	100	0.38	37
	4400Lm	40	100	0.50	49
10 x 10	3300Lm	30	100	0.30	29
	4400Lm	40	100	0.40	39
10 x 12	3300Lm	30	100	0.25	25
	4400Lm	40	100	0.33	32

9' ceiling: 80/50/20 reflectances, 25' workplane open room, CCT : 4000K  
 Lf:1.0 Initial. Open Space: 50' x40'x 10'

**Photometry**

**KL22H-40W40K-D**



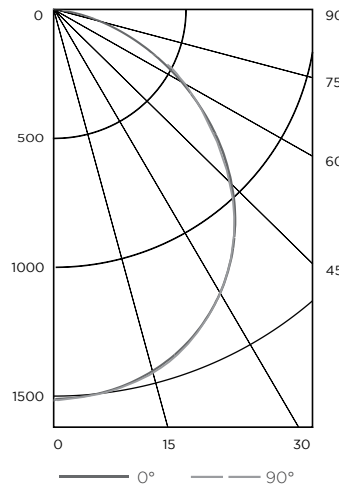
**Intensity (Candlepower) Summary**

Angle	0°	90°
0°	1071	1071
5°	1067	1066
15°	1022	1021
25°	946	943
35°	850	845
45°	703	697
55°	558	553
65°	384	377
75°	198	193
85°	42	45
90°	1	2

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fix
0-30	821	27.0%	27.0%
0-40	1369	44.3%	44.3%
0-60	2431	78.7%	78.7%
0-90	3089	100%	100%

**KL22H-40W50K-D**



**Intensity (Candlepower) Summary**

Angle	0°	90°
0°	1528	1528
5°	1521	1527
15°	1480	1436
25°	1398	1400
35°	1195	1258
45°	1051	1064
55°	813	830
65°	554	556
75°	282	286
85°	54	50
90°	3	2

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fix
0-30	1210	27.2%	27.2%
0-40	1994	44.9%	44.9%
0-60	3532	79.5%	79.5%
0-90	4440	100%	100%