

# LF Box

## INTERIOR LED LIGHT FRAME BOX

Designed for Low Profile Cabinet Signs

Date:

Firm:

Project:

Contact:

### 120/277VAC 674 LM/ft. 8W/ft.

Super Slim LED Signage Light Box - Excellent edge lighting for shallow or low profile cabinet signs or box signs. Perfect for Way-finding Signs in Airports, Train Stations, Hospitals, Museums, Shopping Malls,..etc.

#### FEATURES

- Super slim and light weight.
- Available in single and double-sided lighting boxes.
- Available in variety of light box sizes.
- Easy to assemble & install, lower your maintenance expenses.
- Anodized aluminum housing with excellent heat dissipation, available in gray and black color.
- Advanced optics design ensure the high efficiency and uniform light output.
- LED lighting from 2 sides.
- Ceiling or Wall mounted



Our unique design has no UV or infrared, and doesn't contain any mercury or glass, making handling and disposal far more Eco-friendly than fluorescents.

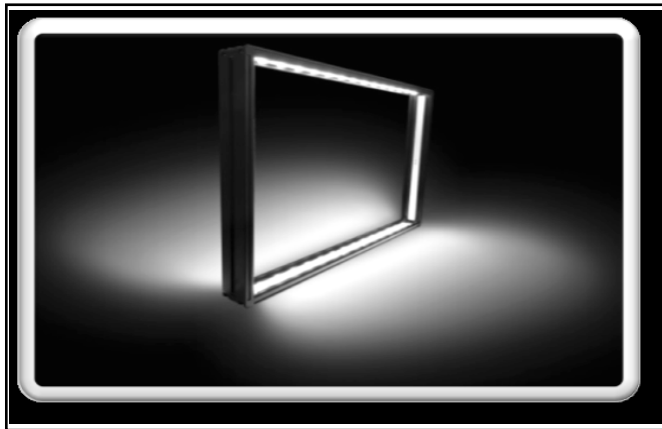
#### PHYSICAL

Housing	Anodized Aluminum Housing
Lengths	1ft, 2ft, 3ft, 4ft & 5ft lengths available
Color Temp Options	5000k and 6500k
Profile	Super low profile
Environment	IP40 Dry Locations,
Single Sided Cabinet Depth	LFO20S (2"), LFO24D (2.4")
Double Sided Cabinet Depth	LF030S (3"), LF039D (3.9")

#### ELECTRICAL

Lumen Output	674 lm/ft.
Wattage	8 w/ft.
Operating Temperatures	-40°F to 122°F, (-40°C to +50°C)
Input Voltage	120/277VAC
CRI	CRI>83

**5-YEAR LIMITED WARRANTY**



#### CREATE YOUR PART NUMBER HERE

Model	Height	Length	Color Temp	Input Volts	LED Board
LF020S	12"	1ft	5000k	120/277vac	LEDs on 1 side
LF024D	18"	2ft	6500k		LEDs on 2 sides
LF030S	30" *	3ft			
LF039D		4ft			
		5ft			
*LF020S & LF024D not available in 30" Height					



For more information visit us at...

[thesmartlightingcompany.com](http://thesmartlightingcompany.com)

or call 949-346-3456

1731 Kaiser Ave. Irvine, CA 92614  
P.O. Box 17275 Irvine, CA 92623



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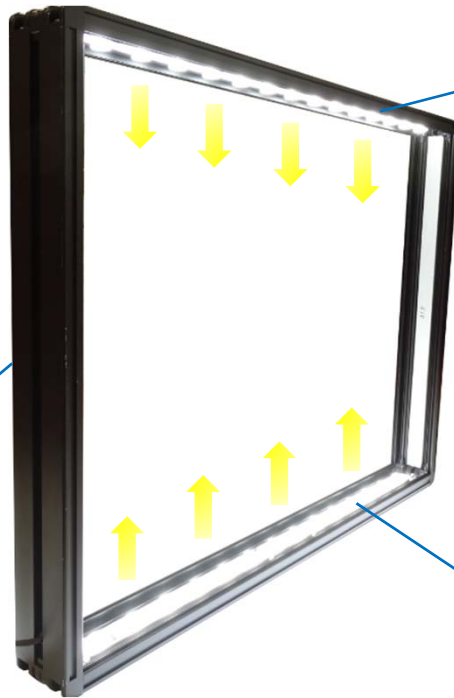
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### Super low profile

Shallow as 2" in single-sided and 2.4" in double-sided light box.



### Anodized aluminum housing

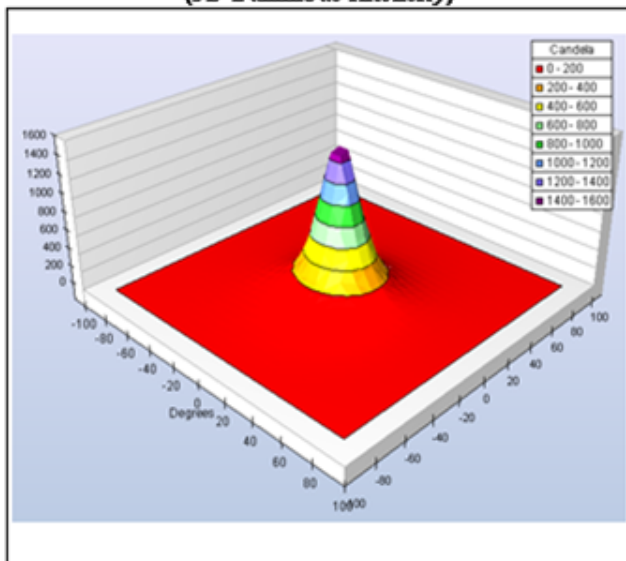
Ensure excellent heat dissipation, available in gray and black color.



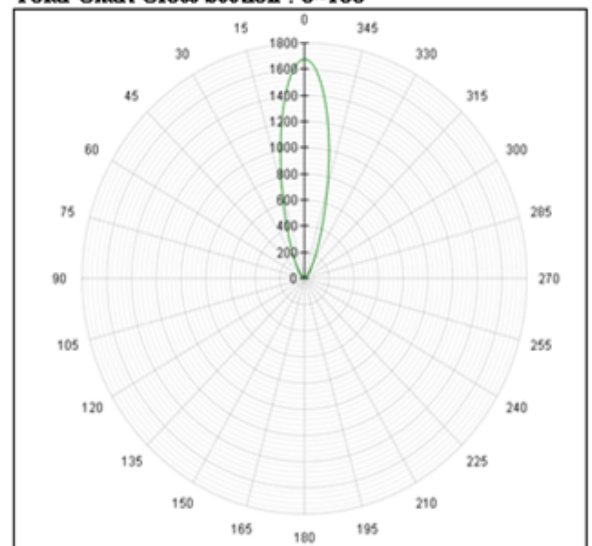
### Advanced optic technology

For best lighting efficiency and distributing brilliant and uniform light.

(3D Luminous Intensity)



Polar Chart Cross Section : 0~180



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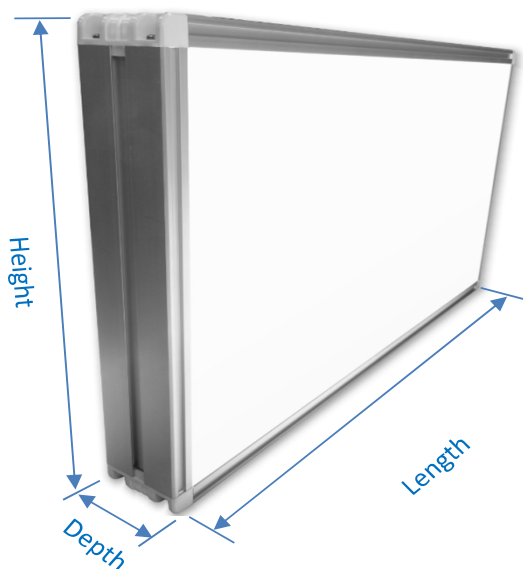
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120/277VAC 674 LM/ft. 8W/ft.

### DIMENSIONS AND DATA



Model : LF020S / LF024D (Standard Sizes)

Table no.1

LEDs /Side	LEDs /Box	Watts /Box	Box Dimensions		Acrylic Board / Backboard (Recommended Dimensions)	
			Length	Height	Length	Height
			mm (inches)	mm (inches)	mm (inches)	mm(inches)
06	12	12	298mm (11.7")	300mm (12") 450mm (18")	238mm (9.4")	Box Height → Board Height
14	28	28	603mm (23.7")		579mm (22.8")	300mm (12") → 276mm (10.9")
22	44	44	907mm (35.7")		883mm (34.8")	450mm (18") → 426mm (16.8")
30	60	60	1212mm (47.7")		1,188mm (46.8")	
38	76	76	1517mm (59.7")		1,493mm (58.8")	

Model : LF030S / LF039D (Standard Sizes)

Table no.2

LEDs /Side	LEDs /Box	Watts /Box	Box Dimensions		Acrylic Board / Backboard (Recommended Dimensions)	
			Length	Height	Length	Height
			mm (inches)	mm (inches)	mm (inches)	mm(inches)
06	12	12	- -	300mm (12")	238 (9.4")	300mm (12") → 276mm (10.9")
14	28	28	615 (24.2")	450mm (18")	579 (22.8")	450mm (18") → 426mm (16.8")
22	44	44	919 (36.2")	500mm (20")	883 (34.8")	500mm (20") → 468mm (18.4")
30	60	60	1224 (48.2")	600mm (24")	1,188 (46.8")	600mm (24") → 568mm (22.4")
38	76	76	1529 (60.2")	750mm (30")	1,493 (58.8")	750mm (30") → 718mm (28.3")

- ※ 1. Box Length can be customized with no limitation.
- 2. Box Height can be customized.  
Max. Height: 18"(450mm) in LF020S & LD0240D series. 30"(750mm) in LF030S / LD0390D series.
- 3. The recommended thickness of the acrylic board or backboard is 3mm.

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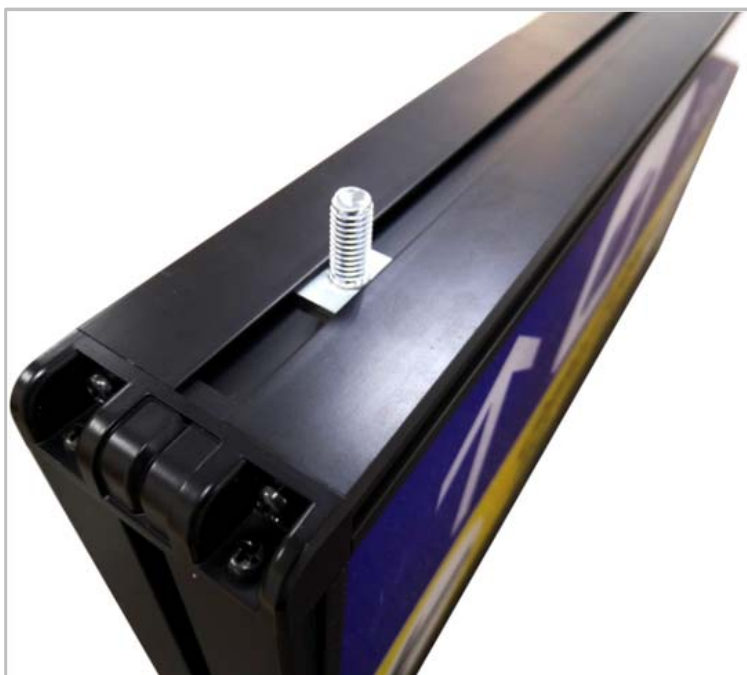
### ACCESSORIES

#### MOUNTING BRACKETS

#### ■ Mounting Brackets



Brackets mount inside channel



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### WEIGHT INFORMATION

\*Max. height is 18" for LF020S & LF024D; Max. height is 30" for LF030S & LF039D

#### Total Weight of Light Box Frame - w/ LED board on one side (Unit : lbs.)

Model	Height	The long side Length				
		1 ft.	2 ft.	3 ft.	4 ft.	5 ft.
LF020S	12 in	2.10	2.95	3.80	4.65	5.50
	18 in	2.47	3.32	4.18	5.03	5.88
	30 in	N/A	N/A	N/A	N/A	N/A
LF024D	12 in	2.41	3.38	4.36	5.33	6.30
	18 in	2.85	3.82	4.79	5.77	6.74
	30 in	N/A	N/A	N/A	N/A	N/A
LF030S	12 in	3.84	5.31	6.78	8.25	9.73
	18 in	4.53	6.00	7.47	8.94	10.41
	30 in	5.90	7.37	8.84	10.31	11.79
LF039D	12 in	4.43	6.11	7.79	9.47	11.15
	18 in	5.22	6.90	8.58	10.26	11.94
	30 in	6.80	8.48	10.16	11.84	13.52

#### Total Weight of Light Box Frame - w/ LED board on two sides (Unit : lbs.)

Model	Height	The long side Length				
		1 ft.	2 ft.	3 ft.	4 ft.	5 ft.
LF020S	12 in	2.17	3.12	4.07	5.02	5.97
	18 in	2.55	3.50	4.45	5.40	6.35
	30 in	N/A	N/A	N/A	N/A	N/A
LF024D	12 in	2.48	3.56	4.63	5.70	6.77
	18 in	2.92	3.99	5.07	6.14	7.21
	30 in	N/A	N/A	N/A	N/A	N/A
LF030S	12 in	3.91	5.48	7.05	8.63	10.20
	18 in	4.60	6.17	7.74	9.31	10.88
	30 in	5.97	7.54	9.11	10.68	12.26
LF039D	12 in	4.51	6.29	8.06	9.84	11.62
	18 in	5.30	7.08	8.85	10.63	12.41
	30 in	6.88	8.65	10.43	12.21	13.99

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