

# PATLITE® LKEH Series Signal Towers

## Features

- Large signal horn and light tower combination
- Ultra-bright LEDs with 100mm lens
- Alarm volume up to 105dB
- Meets IP53 standards
- Designed to operate in temperatures from
- -10 to +50°C [+14 to +122°F]
- Body length from 265 to 445mm [10.4 to 17.5 inches]
- Available in both PNP and NPN polarity
- Defaults to 1-4 tiers of lights, depending on model
- 32 standard alarms
- Optional SD card for field configuration (sold separately)



LKEH Series Signal Towers									
Part Number	Price	Drawing Link	Description	Polarity	Number of Lights	Light Color	Body Color	Body Length mm [in]	Diameter
<a href="#">LKEH-102FEPUL-R</a>		<a href="#">PDF</a>	Signal tower with continuous or flashing lights, 32 alarms.	PNP	1	Red	Light gray	265.2 [10.4]	100mm
<a href="#">LKEH-102FEUL-R</a>		<a href="#">PDF</a>		NPN					
<a href="#">LKEH-202FEPUL-RG</a>		<a href="#">PDF</a>		PNP	2	Red, green		325.3 [12.8]	
<a href="#">LKEH-202FEUL-RG</a>		<a href="#">PDF</a>		NPN					
<a href="#">LKEH-302FEPUL-RYG</a>		<a href="#">PDF</a>		PNP	3	Red, amber, green		385.4 [15.2]	
<a href="#">LKEH-302FEUL-RYG</a>		<a href="#">PDF</a>		NPN					
<a href="#">LKEH-402FEPUL-RYGB</a>		<a href="#">PDF</a>		PNP	4	Red, amber, green, blue		445.5 [17.5]	
<a href="#">LKEH-402FEUL-RYGB</a>		<a href="#">PDF</a>		NPN					

LKEH Series Accessories			
Part Number	Price	Drawing Link	Description
<a href="#">B72100151-1F1</a>		N/A	100mm red LED module with colored lens
<a href="#">B72100151-2F1</a>		N/A	100mm amber LED module with colored lens
<a href="#">B72100151-3F1</a>		N/A	100mm green LED module with colored lens
<a href="#">B72100151-4F1</a>		N/A	100mm blue LED module with colored lens
<a href="#">B72100151-7F1</a>		N/A	100mm white LED module with clear lens
<a href="#">B62910033-1F2</a>		N/A	1-tier center screw for use with LKEH series signal towers
<a href="#">B62910033-2F2</a>		N/A	2-tier center screw for use with LKEH series signal towers
<a href="#">B62910033-3F2</a>		N/A	3-tier center screw for use with LKEH series signal towers
<a href="#">B62910033-4F2</a>		N/A	4-tier center screw for use with LKEH series signal towers
<a href="#">B32310054-F1</a>		N/A	Replacement head cover for LKEH series signal towers
<a href="#">C21100087-F1</a>		N/A	Replacement option slot cover for LKEH series signal towers
<a href="#">SZ-008</a>		<a href="#">PDF</a>	Wall mount bracket for LKEH series signal towers
<a href="#">SDV-2GP</a>		N/A	2GB micro SD card with SD adapter



# PATLITE® LKEH Series Signal Towers

## Specifications

LKEH Series Signal Towers Technical Specifications					
Model		LKEH-102FEx-R	LKEH-202FEx-RG	LKEH-302FEx-RYG	LKEH-402FEx-RYGB
Rated Voltage		24VDC			
Operating Voltage Range		24VDC ± 10%			
Rated Power Consumption		10.6 W	12.4 W	14.2 W	16.0 W
Operating Ambient Temperature		-10°C to +50°C [+14°F to +122°F]			
Operating Ambient Humidity		Less than 85% (no condensation)			
Mounting Location		Indoors and outdoors			
Mounting Direction		Upright only			
Protection Rating		IP53			
Insulation Resistance		More than 1MΩ at 500VDC between terminals and chassis			
Withstanding Voltage		500VAC applied for 1 minute between terminals and chassis			
Vibration Resistance		19.6 m/s2 (30Hz, back and forth: 2h, right to left: 2h, up and down: 4h)			
Weight (kg [lbs])		1.4 [3.1]	1.6 [3.5]	1.8 [4.0]	2.0 [4.4]
Sound Pressure Level		Max 105dB, volume adjustable			
Sound Reduction Level		20dB ± 2dB			
Light Source		LED			
Brightness	Red (R)	2100mcd			
	Amber (Y)	2400mcd			
	Green (G)	5200mcd			
	Blue (B)	700mcd			
	White (C)	5500mcd			
Input Interface		16 signal wires (5 LED, 8 sound, sound reduction, blinking common*, common), selection switch, SD card slot			
Number of Channels		Bit Input: 8 Binary Input: 32			
Channel Priority (bit input only)		CH8 > CH7 > CH6 > CH5 > CH4 > CH3 > CH2 > CH1			
Number of Sounds		32			
Memory Card		SD card (SDV-2GP recommended, sold separately), FAT16 format			
Starting Time		At start of power supply: 500ms or less At start of signal wire: 300ms or less			
Agency Approvals		EMC Directive (EN 55011, EN 61000-6-2) RoHS Directive (EN 50581) UL 508, CSA-C22.2 No. 14 Conforms to CE requirements UL Listed (File E215660)			

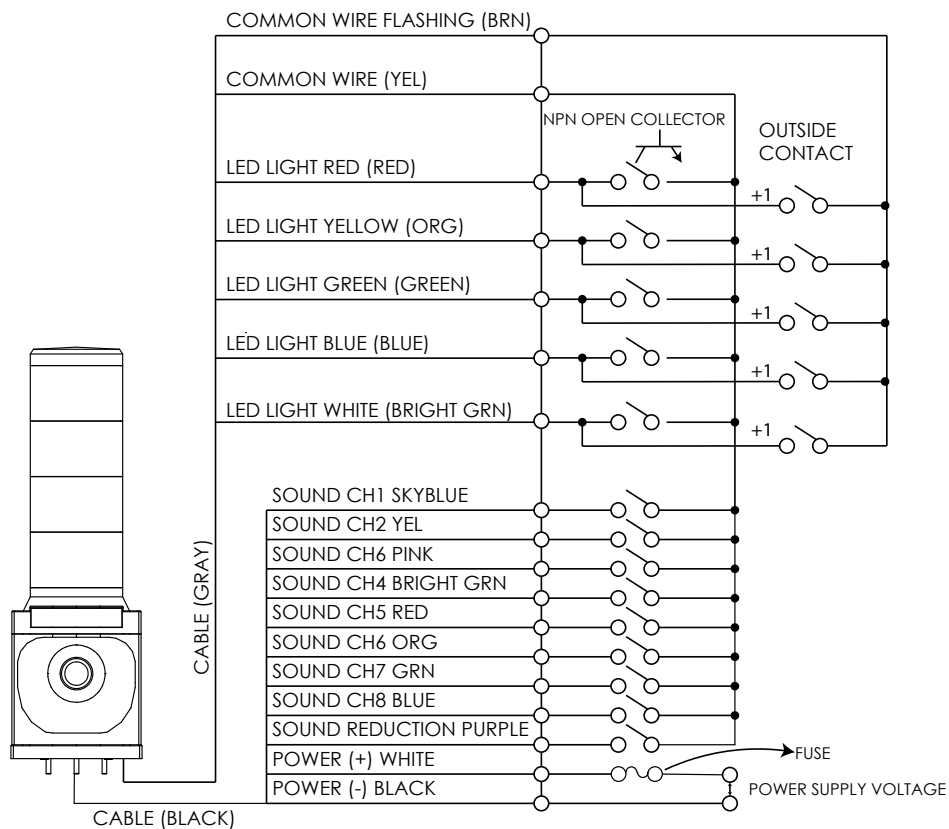
\* Blinking common is for NPN models only.

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

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## Wiring

### NPN Wiring



### PNP Wiring

