

LGEH / LGH

Signal Tower



LED (LGEH)

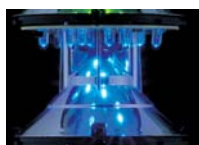
Bulb (LGH)

102dB/m

Ø100

IP53

NPN
Open collector 24V



Triple Reflection
system

Integrated signal device featuring enhanced visibility and 102dB (at 1m) adjustable volume perfect for noisy environment.

- PATLITE's large prism cut lens: For enhanced downward illumination (cut lens: Φ100mmx60mm high).
- Newly developed triple-reflection system: For enhanced visibility and low power consumption.
- Flashing Pattern: Flashing and continuous.
- ADPCM 64kbit/s: High sound quality from LSI digital voice synthesizer.
- FB type: Built-in adjustable high volume up to 102dB (at 1m).
- Extended Bulb Life: Bayonet base incandescent bulbs with LG type, firm against vibration.
- Installation: Direct mount.
- Interchangeable Modules: No re-wiring even after installation.
- Lens: Superior impact- and heat-resistant polycarbonate resin for superior durability and light transmission.
- NPN compatible: AC/DC 24V only.
- CE compliance: AC/DC 24V type (LGEH-※02FK/FL/FM).
- Available Colors: Red, Amber, Green, Blue, Clear/White.

Available Special Order (LGEH type)

- Voltage Range: AC 120V type.

Interchangeable LED modules

- Changeable color sequence: Easy to add / remove up to 5 colored modules even after installation.
- Note: LED modules of the same color within a signal tower will light up simultaneously.

The wiring remains the same

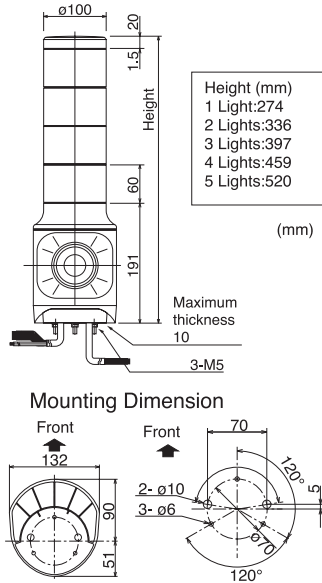
No re-wiring: Each color module corresponds to the wire's color.



Easy to add and remove

- Note: Add-on kit is required to add another LED module.

Dimensions



VOICE LGEH-FV

Voice Synthesizer

Total 16 seconds long recording capacity can be divided up to 4 messages.

LGEH-FM

Melody

Comes with 8 melodies.

Ch	TYPE OF SOUND		
	G type	H type	P type
1	Runner	Happy birthday	She wore a yellow ribbon
2	I want to take care of you	Mickey mouse club march	My darling clementine
3	Oribia wo kikinagara	It's a small world	The yellow rose of Texas
4	September	Forest bear	Yankee doodle
5	Saturday lovers	Cha cha cha toy	When the saints go marchin' in
6	Autumn	Who needs a kid like this?	Londonderry air
7	Surf heaven, Ski heaven	Lullaby (Schubert)	Havah nagilah
8	Color/White blend	Rudolph the red-nosed reindeer	JAMAICA FAREWELL

ALARM LGH-FK LGEH-FK

Alarm

Comes with 8 alarm sounds.

Ch	A type		
	1	2	3
1	Beep (slow intermittent horn)	5	Rapid Hi-Lo
2	Stutter (rapid intermittent horn)	6	Melody Chime
3	Bell (clear high-pitched bell)	7	Synthesized Piano
4	Yelp (rapid siren)	8	Synthesized Bell

LGEH-FL

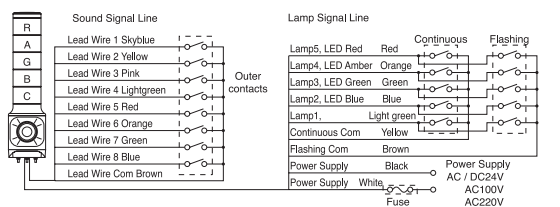
Chime

Comes with 6 melodies and 2 chimes.

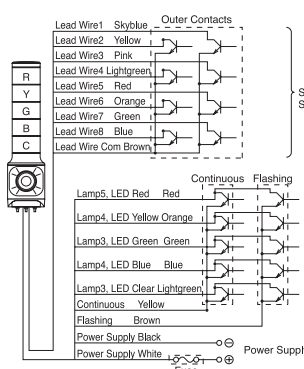
Ch	TYPE OF SOUND		
	S type	F type	Q type
1	Amaryllis	For Elise	Merry had a little Lamb
2	Symphony No.40	Maiden's Prayer	The camptown Races
3	Silent Lakeside	Minuet	Cuckoo
4	Mountain musician	Annie Laurie	Blacksmith in the village
5	Romance De Amour	London bridge is falling down	On the Avignon bridge
6	Petrouchka	Holdiridia	Ob-La-Di, Ob-La-Da
7		Chime	
8		Call sign	

Wiring Diagram

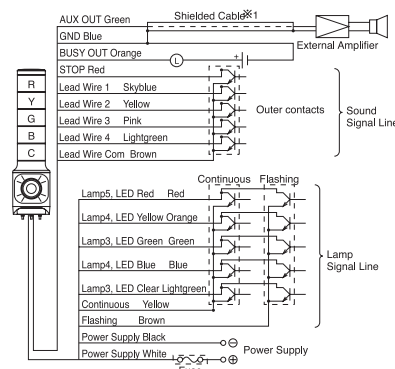
LGH/LGEH-FK,FL,FM type Contact Point wiring example



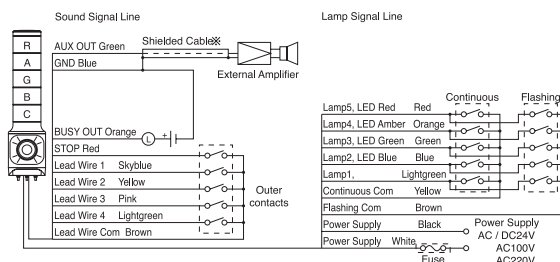
LGH type Transistor type



LGH type Transistor type



LGH/LGEH-FV type Contact Point wiring example



* Please cut shielded cable length as short as possible

g Voltage and Amperage of lead wire per layer

Voltage Type	Signal Line Voltage	Fuse rate	LGEH		Voltage Type	Signal Line Voltage	Fuse rate	LGH			
			LED Signal Line Current	Sound Signal Line Current				Incandescent bulb Signal Line Current	Push Current	Flash Current	Sound Signal Line Current
AC/DC 24V	AC/DC 24V	1A	90mA	FL,FK,FM Voltage: DC5V Current: 1mA	AC/DC 24V	AC/DC 24V	7A	600mA	6A	FK Voltage: DC5V Current: 1mA	
AC100V	AC24V			FV Voltage: DC20V Current: 5mA	AC100V	AC100V	2A	200mA	2A		
AC220V					AC220V	AC220V	1A	100mA	1A		

LGEH / LGH type

How to order

Number of stacks	Model	Rated Voltage	Voltage Range	Power Consumption		V type:()	Mass
				LGEH	LGH		
1Light	LGEH-102F/LGH-102F	AC/DC 24V	AC/DC 22V~26V	10(14)W	28(32)W	1.8kg	1.7kg
	LGEH-110F/LGH-110F	AC 100V	AC 90V~110V	12W	29W	2.0kg	1.8kg
	LGEH-120F/LGH-120F	AC 220V	AC 200V~240V	12(16)W	48(52)W	2.0kg	1.8kg
2Lights	LGEH-202F/LGH-202F	AC/DC 24V	AC/DC 22V~26V	12(16)W	48(52)W	2.0kg	1.8kg
	LGEH-210F/LGH-210F	AC 100V	AC 90V~110V	15W	49W	2.2kg	1.9kg
	LGEH-220F/LGH-220F	AC 220V	AC 200V~240V	14(18)W	68(72)W	2.2kg	2.0kg
3Lights	LGEH-302F/LGH-302F	AC/DC 24V	AC/DC 22V~26V	14(18)W	68(72)W	2.2kg	2.0kg
	LGEH-310F/LGH-310F	AC 100V	AC 90V~110V	18W	69W	2.4kg	2.0kg
	LGEH-320F/LGH-320F	AC 220V	AC 200V~240V	16(20)W	88(92)W	2.4kg	2.1kg
4Lights	LGEH-402F/LGH-402F	AC/DC 24V	AC/DC 22V~26V	16(20)W	88(92)W	2.4kg	2.1kg
	LGEH-410F/LGH-410F	AC 100V	AC 90V~110V	21W	89W	2.6kg	2.1kg
	LGEH-420F/LGH-420F	AC 220V	AC 200V~240V	—	—	—	—
5Lights	LGH-502F	AC/DC 24V	AC/DC 22V~26V	—	108(112)W	—	2.1kg
	LGH-510F	AC 100V	AC 90V~110V	—	109W	—	2.2kg
	LGH-520F	AC 220V	AC 200V~240V	—	—	—	—

FB type approx. 60 flashes per minute.

LGH type:Bulb...T20 BA15D

	Operating Temperature Range	Volume	AUX Output	BUSY Output (Max load.)	Channel	Message Time
FV	-10°C~+55°C (Humidity 85% or less)	Max. 102dB (at 1m)	-20dBv 600 Ω	DC24V 500mA	4	Max. 16 sec.
FM/FK/FL	-20°C~+55°C (Humidity 85% or less)	—	—	—	8	—

LGEH-402FV-RYGB

Light	Color
LGEH:LED	R:Red
LGH:Incandescent bulb	Y:Amber
Stack	G:Green
LGEH:1~4	B:Blue
LGH:1~5	C:Clear/White
Rated Voltage	Type
02:AC/DC24V	FV:Voice Synthesizer
10:AC100V	FM:Melody
20:AC220V	FK:Alarm
	FL:Chime & Melody