

LFH



IP66 NEMA 4, 4X, 13

PATLITE
New Frontiers in Safety, Security and Comfort

Bright & Protected Indoor/Outdoor LED Warning Lights

Model LFH

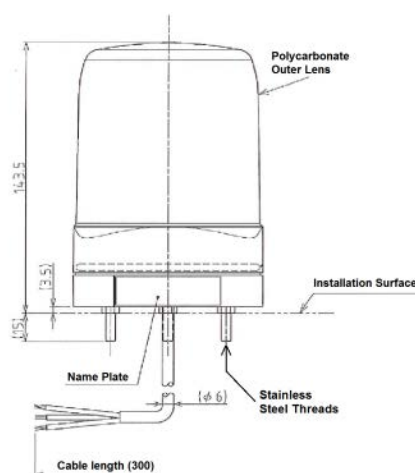
Patlite's Model LFH indoor/outdoor LED Warning Light provides about 110 bright flashes per minute. This Warning Light is available in 12VDC, 24VDC, 48VDC, and 90-250VAC. In the upright position, the LFH offers water resistance (IP66) with its tough construction. Base models are UL 1638 listed and RoHS compliant.

Model LFH has superior visibility as it has a night-time visibility of 3,280 feet (1,000m). The long life LED makes it ideal for placement in hard to service locations.

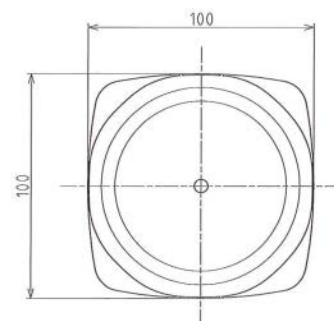
The sun-light visible LED and ruggedness of the LFH allows for it to be used in various environments such as factories, utilities, food and beverage, pharmaceutical, parking lots, and others. The 90m/s² (9G)* vibration resistance allows for the Warning Light to be mounted on forklifts, construction, maintenance, and industrial vehicles.



- Available in 12VDC, 24VDC, 48VDC, and 90-250VAC
- Five dome colors (Red, Yellow, Green, Blue, and Clear)
- Triple flash, 110 +/-10 flashes/minute
- Indoor/Outdoor use
- IP66 (IEC60529)
- Vibration resistant 90m/s² (9G)*
- UL 1638, CAN/ULC-S526-M87
- NEMA Type 4, 4X, 13
- RoHS Directive (EN50581)
- CE
- FCC Part 15 Subpart B Class A



Drawing in millimeters



Optional Parts



SZ-007
Wall mount bracket



SZ-170
Heavy duty mount bracket

How to Order:

LFH -



Rated Voltage

12: 12VDC

24: 24VDC

48: 48VDC

M2: 90-250VAC

Color

R: Red

Y: Yellow

G: Green

B: Blue

C: Clear

Specifications

Model	LFH-12	LFH-24	LFH-48	LFH-M2
Rated Voltage	12VDC 24VDC		48VDC	100V/120V/200V/230VAC
Operating Voltage Range	9.5VDC ~ 15VDC	20VDC ~ 30VDC	35VDC ~ 60VDC	90VAC ~ 250VAC
Operating Ambient Temperature	-22°F ~ +158°F (-30°C ~ +70°C)			-4°F ~ +140°F (-20°C ~ +60°C)
Operating Ambient Humidity	Less than 90% (No condensation)			
Mounting Location	Indoors and Outdoors			
Mounting Direction	Upright, Inverted, and Sideways (in a wet environment upright only)			
Vibration Resistance	90 m/s ²			20 m/s ²
Protection Rating	IP66 (IEC 606529)			
Luminous Intensity	Red: more than 112cd Yellow: more than 177cd Green: more than 240cd Blue: more than 52cd White: more than 257cd			
Weight (+/- 10%)	20.1oz (570g)			21.5oz (610g)

* Vibration resistance 20m/s² for the LFH-M2

Patlite (USA) Corporation

SPECIFICATIONS

[General Specifications]

Model		LFH-12	LFH-24	LFH-48
Rated Voltage		12V DC	24V DC	48V DC
Operating Voltage Range		9.5V DC~15V DC	20V DC~30V DC	35V DC~60V DC
Signal Wire Current	Typ.	0.42A	0.19A	0.13A
	Max.	0.50A	0.23A	0.18A
Rated Power Consumption	Typ.	5.0W	4.5W	6.5W
	Max.	6.0W	5.5W	7.5W
Operating Ambient		-30℃ ~ +70℃		
Operating Ambient Humidity		Less than 90% (No condensation)		
Storage Ambient Temperature		-40℃ ~ +80℃		
Storage Ambient Humidity		Less than 90% (No condensation)		
Mounting Location		Indoors and Outdoors		
Mounting Direction		Upright ,Inverted and Sideways (In a wet environment, Upright only)		
Protection Rating		IP66 (IEC 60529)		
Environmental Condition		Upright Mounting		
Vibration Resistance		90m/s ²		
Insulation Resistance		More than 1MΩ at 500VDC between the terminals and the chassis		
Withstand Voltage	The following voltage applied for 1min between terminals and chassis without breaking			
	500V AC		1000V AC	
Flashing Rate		110±10 Flashes Per Minute (Triple Flash Pattern)		
Luminous Intensity		Red: more than 112cd Amber: more than 177cd Green: more than 240cd Blue: more than 52cd White: more than 257cd		
Mass (Tolerance ±10%)		570g		
Outer Dimensions		Refer to the "Dimensions" Drawing		
Conformity Standards	UL 1638, CAN/ULC-S526-M87			
	RoHS Directive (EN 50581)			
	EMC Directive (EN 55015, EN 61547)		-	
	FCC Part15 SubpartB Class A		-	
	ECE Regulation No.10		-	
Remarks	UL Listed (File No.S24210) This product conforms to EN standard and shows the CE Marking. (Except for LFH-48) Accessories : Spring Washer (X3) 、 Washer (X3) 、 Nut (X3) 、 Instruction Manual			
	Specifications 13.4.09 PATLITE			

No. LFH - . -A18A-1_2

PATLITE Corporation

Approved

Checked

Drawn

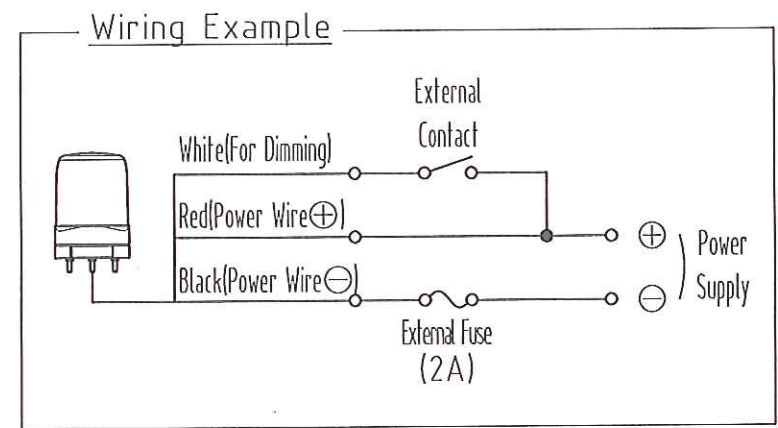
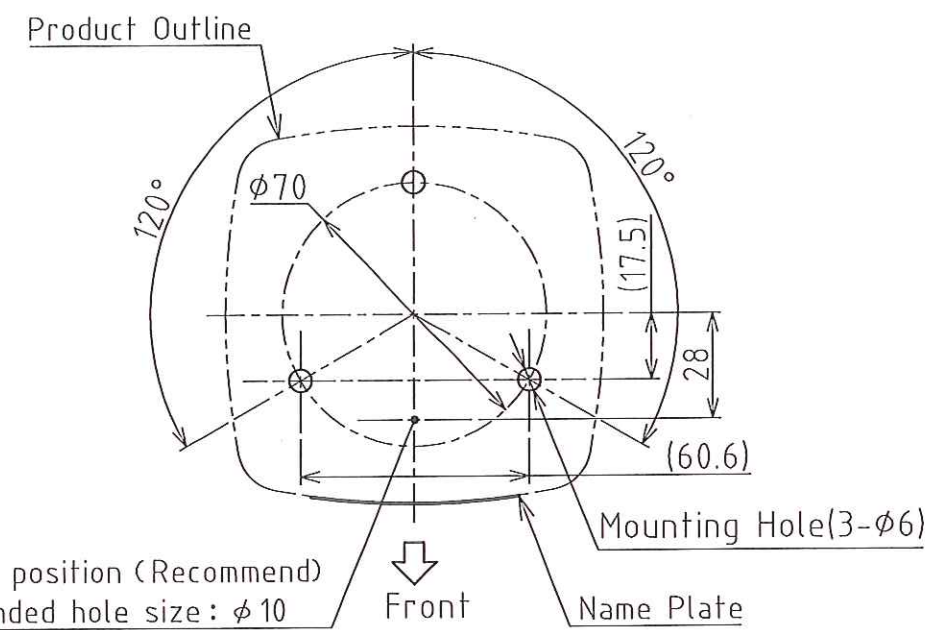
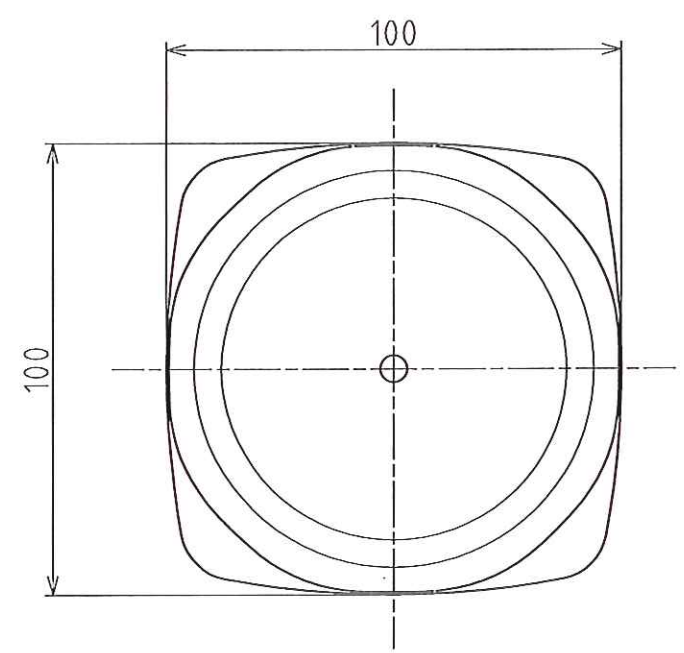

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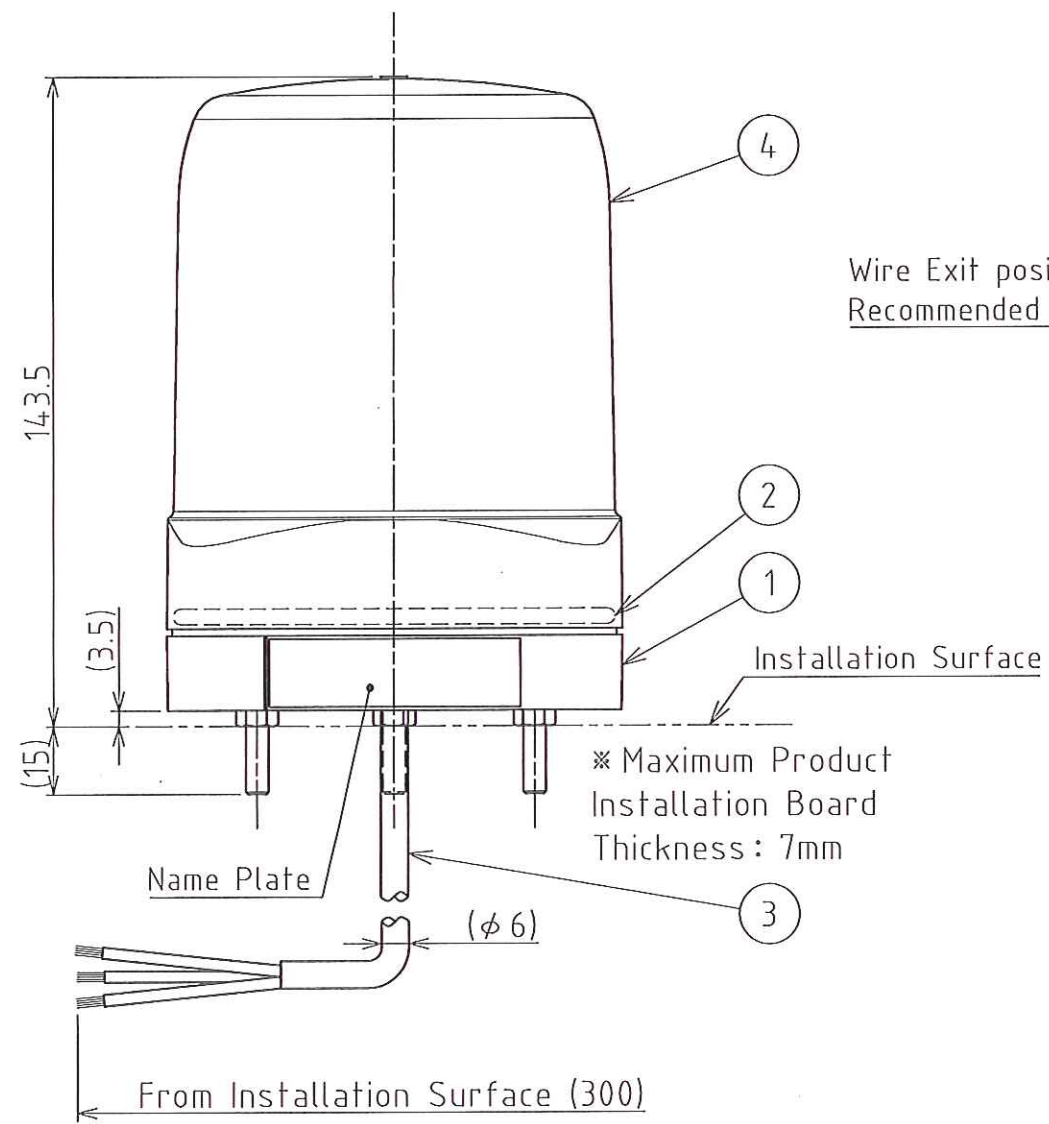
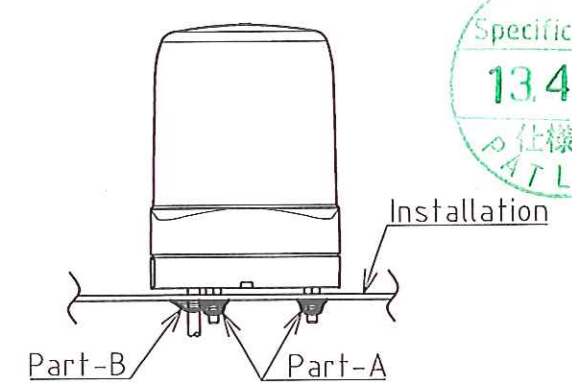
K.Sawano

8.Apr.'13

指定 公差 General Tolerance	角度公差 Angular Tolerance ±[°]				寸法公差 Dimensional Tolerance ±[mm]						符号 Sym.	年月日 Date	訂正履歴 Revisions			記印 Sgn.	検印 Chk.	承認 App.
	短辺 Length of short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side	短辺 長 Short side							
	10	50	100	100	精	f	0.05	0.1	0.2	0.4	0.6	△						
	1	0.5	0.3	0.1	中	m	0.1	0.3	0.5	0.7	1	△						
粗	3	1.5	1	0.5	粗	c	0.3	0.5	1	1.2	2	△						



※ If you need the waterproof with downside of Installation, seal the Mounting bolts (Part-A) and Wire Exit hole (Part-B).



Installation Dimensions [1:2]

Sealing Instruction Example

Dimensions

4	Globe	-	1	PC resin	Red/Amber/Green /Blue/Clear
3	Power Supply Wire	-	1	UL2517 AWG20×3c	
2	O-ring	-	1	Silicon	gray
1	Body	-	1	ABS resin	Charcoal gray
番号 No.	部品名 Part Name	品目コード Part No.	数量 Qty.	材料 & 寸法 & 処理 Material & Size & Finish	記事 Remarks
設計 Dgn.by	製図 Drn.by	検図 Chk.by	承認 App.by	図名 Name	機種名 Model
K.Sawano	K.Sawano	Y.Higashi	Y.Higashi	Specifications	LFH-12/24/48
5.Nov.'12	8.Apr.'13	8.Apr.'13	8.Apr.'13	Dimensions	品目コード Part No.
三角法 3rd Angle P.	単位 Unit mm	尺度 Scale —	株式会社 パトライト PATLITE Corporation	図番 Drawing No.	LFH-.-A18A-2_2