

2023 Developed and released our new line of Wireless Control Unit **"WIO Series"**

2022 Established PATLITE UK LTD

2020 Developed and released our new line of Beacons **"SL/SK/SF Series"**

2019 Established PATLITE MEXICO S.A. de C.V.

2017 Kasuga Electric CO., LTD. merged with PATLITE Corporation

2016 Established PATLITE (THAILAND) CO., LTD.

2014 Developed and released **Multi-color LED Signal Tower**
Established PATLITE TAIWAN CO., LTD.

2013 Became a wholly owned subsidiary of Inaba Denki Sangyo CO., LTD.

2011 Established PATLITE KOREA CO., LTD.

2009 Established PATLITE Europe GmbH

2007 Developed and released our **Earthquake Early Warning Display Terminal**

2005 Listed on the First Section of the Tokyo Stock Exchange and Osaka Securities Exchange
Established PATLITE (CHINA) Corporation

2003 Developed and released our **Multi-color LED Display Board**

2001 Listed in the Tokyo Stock Exchange Second Section

2000 Listed in the Osaka Securities Exchange Second Section

1999 Began production at our PT. PATLITE INDONESIA Factory

1998 Established PATLITE (SINGAPORE) PTE LTD

1996 Developed and released our **Boomerang-type Warning Light**

1994 Completed the first stage of construction on our Sanda Factory in Hyogo, Japan
Changed our name to PATLITE Corporation

1990 Developed and released our **LED Display Board**

1989 Established our US branch in Torrance, CA

1985 Released our **Electronic Siren Amplifier** for emergency vehicles

1984 Developed and released our **first Voice Synthesizer** in the audio warning market

1982 Developed and released our **first Signal Tower**

1977 Developed and released our **first Light Bar** for police cars

1965 Developed and released our **first Revolving Warning Light SK-12**

1963 Established Sasaki Electric Corporation

1955 Developed our first DC **Micro-motor** for audio equipment

1947 Opened our Sasadenki Research Center in Osaka, Japan

UNITED KINGDOM

EUROPE HQ (GERMANY)

CHINA

KOREA

TATSUNO

GLOBAL HQ (JAPAN)

SANDA

TAIWAN

U.S.A.

MEXICO

ITALY

FRANCE

SPAIN

THAILAND

SINGAPORE

INDONESIA

Legend:

- Head Office
- Subsidiary
- Sales Office
- Factory

PATLITE (U.S.A.) Corporation	PATLITE KOREA CO., LTD.
PATLITE MEXICO S.A. de C.V.	PATLITE TAIWAN CO., LTD.
PATLITE Europe GmbH	PATLITE (THAILAND) CO., LTD.
PATLITE UK LTD	PATLITE (SINGAPORE) PTE LTD
PATLITE (CHINA) Corporation	PT. PATLITE INDONESIA

CAUTION

For correct use of these products, read the "Safety Manual" prior to use. Failure to follow instructions can result in fire, electric shock, or personal injury. Specifications are subject to change without notice.

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DIGEST CATALOG 2024 - 2025

The diagram illustrates the WIO Series components and their connectivity. At the top, the 'WIO Series' logo is shown. Below it, a row of certification logos includes 'RoHS', 'CE', 'UK', 'FCC', and 'UK'. The components are categorized into three groups: 'Transmitter' (a small white module), 'Receiver' (a small white module with a blue LED), and 'LED Unit' (a tall, multi-colored LED stack). A callout bubble shows a hand adding an LED unit to the receiver, with the text ' Easily Add LED Units.' Below the components, a flow diagram shows a hand icon pointing to a button labeled 'INPUT', which connects to a transmitter module. This transmitter module is connected via a blue signal line to a receiver module, which is then connected to an 'OUTPUT' label. The output is shown as a multi-colored LED stack and a small white module.

RoHS

CE

UL

FCC

K

UK

CA

LR6+FB295

IP69K	IP67	88 dB at 1 m	4 sounds
Φ60mm	M12	Modular type	

Pre-assembly Model

LR10

Signal Tower

Φ100mm	Outdoor use	IP69K	92 dB at 1 m
4 sounds	M12	4 flash patterns	

NE+FB295

IP69K	IP67	Multi color
Φ56mm	M12	

7 colors

Wireless Data Acquisition System **WD Series and LR Series**

The WD Series is an add-on solution for select PATLITE Signal Towers enabling wireless data acquisition and real-time monitoring.

The diagram illustrates the system architecture. On the left, the **WD Series** is shown as a combination of an **LR5/LR6 Signal Tower** and a **WD Series Transmitter Unit**. This is represented by a plus sign (+) between the two components. On the right, the **WD Series** is shown as a combination of a **WD PRO Transmitter Unit** and a **WD PRO Base Unit**, also represented by a plus sign (+). Both the WD Series and the WD PRO Series are connected via a wireless signal (indicated by a blue signal icon) to a **Receiver**. The Receiver is connected to a **PC** via a **LAN** connection. The PC screen displays a data acquisition interface with a grid of colored bars representing data points.

www.patlite.com

#1 Global Share in Signaling Devices

※ 2023, Global Info Research

Network Products

NHV/NHB

CE RoHS 10 c UK CA

HTTPS HTTP	SSH RSH	SNMP v3/v2c/v1	PING 24	AWS/Azure
RJ-45	IP v6/v4	OAuth 2.0	Send E-mail	Φ40mm Φ60mm

NHV type only features

MP3	Text to Speech	88 dB at 1 m	Detect E-mail
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PoE : Power over Ethernet

Voice type

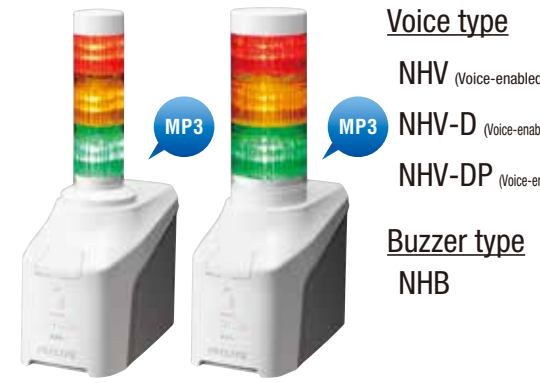
NHV (Voice-enabled)

NHV-D (Voice-enabled, Digital ID)

NHV-DP (Voice-enabled, Digital ID, PoE)

Buzzer type

NHB



LA6-POE

CE RoHS 10 c UK CA

LAN	Modbus/ TCP	IP54
85 dB at 1 m	11 Sounds	HTTPS HTTP

PoE Φ60mm 21 Colors LED

PoE : Power over Ethernet



WE-LAN

CE RoHS 10 c UK CA

LAN	Modbus/ TCP	IP23
88 dB at 1 m	7 Sounds	HTTP

W90 × D37.5mm 9 Colors LED



LR6-USB

CE RoHS 10 c UK CA

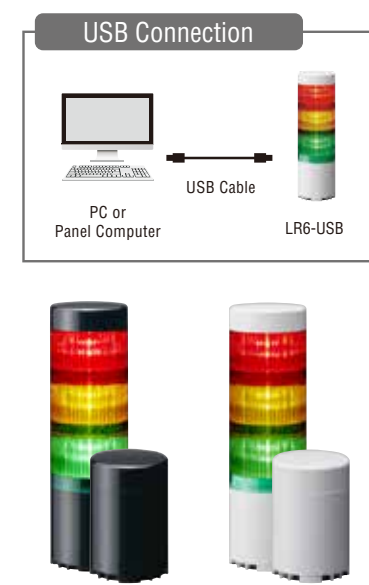
USB Bus Power	80 dB at 1 m	5 Sounds
Φ60mm	IP65	NEMA 4X/13

USB Connection

PC or Panel Computer

USB Cable

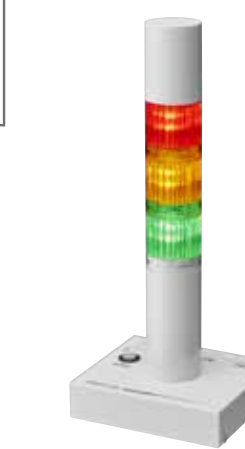
LR6-USB



PHE-3FB3

CE RoHS 10 c UK CA

USB Bus Power	RS-232C	80 dB at 1 m
Φ40mm	4 Sounds	



NE-USB

CE RoHS 10 c UK CA

USB Bus Power	IP20	IP65	7 sounds
Φ56mm	*SN type 65 dB at 1 m	*WN type 85 dB at 1 m	7 color

Touch Sensor

7 colors in one unit

SN/ST type WN/WT type Magnet Mounting



LED Signal Towers

IO-Link

CE RoHS 10 c UK CA

LB6-IL

Φ60mm

IP65

20 segments

88 dB at 1 m

M12

21 colors

LB6-20ILWCBW (with Buzzer)

LB6-20ILWQNW (No Buzzer)

LR6-IL

Φ60mm

IP65

NEMA 4X/13

M12

WD Compatible

Body unit (Direct mount)

Body unit (Direct/NPT mount)

Pre-assembled

LR Series

Modular Type

LED	85 dB at 1 m	88 dB at 1 m
4 Sounds	IP65	NEMA 4X/13

Open Collector

LR4

Φ40mm

Off-white / Silver

LR5

Φ50mm

Off-white / Silver / Black

LR6

Φ60mm

Off-white / Silver

LR7

Φ70mm

Off-white / Silver / Black

LR Series Modular Components

LB6-BW (Buzzer Unit)

LR6-BW (Buzzer Unit)

LED Units

Body Units

Buzzer Units

LED Units

Programmable Model

CE RoHS 10 c UK CA

LA6

Φ60mm

IP54 (Alarm)

21 Colors LED

Open Collector

85 dB at 1 m

Single Display

11 Sounds

Time-trigger

Pulse-trigger

IP65

Off-white / Silver

Slim Towers

CE RoHS 10 c UK CA

MP-B

1 Sound

80 dB at 1 m

ME-A

Φ25mm

LED

IP42

NPN Open Collector

MP

Φ30mm

LED

IP65

M-12 Connector

Open Collector

Unique Design Models

CE RoHS 10 c UK CA

WE

W90mm D37.5mm

LED

90 dB at 1 m

2 Sounds

IP65

Open Collector

Light gray / Silver

WME-D

W70mm D80mm

LED

93 dB at 1 m

2 Sounds

IP54

Open Collector

Off-white

Signal Beacons

SL

CE RoHS 10 c UK CA

SL08 Φ80mm	SL10 Φ100mm	SL15 Φ150mm
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Select from 3 light patterns

Continuous	Blinking	Triple Flash
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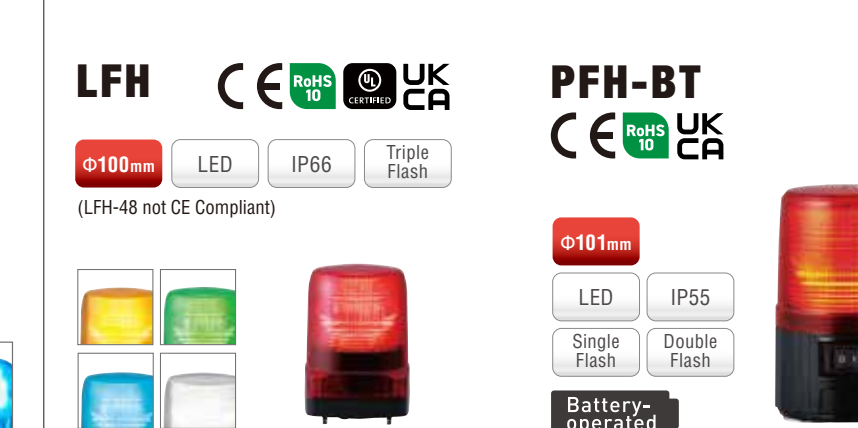
SF

CE RoHS 10 c UK CA

SF08 Φ80mm	SF10 Φ100mm
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Select from 22 light patterns

Rotating • 60rpm • 120rpm • 180rpm	Flash • Single • Double • Triple	Pulse	Dimmed	Half-side
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SK

CE RoHS 10 c UK CA

SKS Φ80mm	SKH Φ100mm	SKP Φ150mm
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Rotating 120rpm



RLR

CE RoHS 10 c UK CA

Φ162mm LED IP66 105rpm

(RLR-M2 not CE Compliant)



LPT

CE RoHS 10 c UK CA

LED Life 100,000 hours *1 IP68 NEMA TYPE 4X,13

*Red, manufacturer-specified value

Select from 4 light patterns

Triple Flash	Extreme Warning Flash
Continuous On	Blinking

LPT-1M1

LPT-2M1



NE-IL

CE RoHS 10 c UK CA

Φ56mm IP65 NEMA 4X/13 88 dB at 1 m

Touch Sensor M12 1 Analog Input 1 Digital Input

7 colors in one unit



NE-A

CE RoHS 10 c UK CA

Multi-color Φ56mm IP67 IP65 (Alarm) NEMA 4X/13

88 dB at 1 m Touch Sensor M12 Cable 2m

Mono-color Φ56mm IP65 NEMA 4X/13 Screwless Terminal Block

Standard With Alarm With Alarm and Touch Sensor



LFH

CE RoHS 10 c UK CA

Φ100mm LED IP66 Triple Flash

(LFH-48 not CE Compliant)



PFH-BT

CE RoHS 10 c UK CA

Φ101mm LED IP55

Single Flash Double Flash

Battery-operated



LED Work Lights

CLA-A

CE RoHS 10 c UK CA

IP66 IP67 IP69K

DAYLIGHT COLOR (CCT) 6500K

Amber LED



CWA

CE RoHS 10 c UK CA

IP65

DAYLIGHT COLOR (CCT) 6500K

NATURAL WHITE COLOR (CCT) 5000K



CLK

CE RoHS 10 c UK CA

IP66G IP67G IP69K

DAYLIGHT COLOR (CCT) 6500K

NATURAL WHITE COLOR (CCT) 5000K



CLK-SG

CE RoHS 10 c UK CA

IP66G IP67G IP69K

DAYLIGHT COLOR (CCT) 6500K

NATURAL WHITE COLOR (CCT) 5000K



CWK

CE RoHS 10 c UK CA

IP66G IP67G

DAYLIGHT COLOR (CCT) 6500K



CLN-A

CE RoHS 10 c UK CA

IP66G IP67G IP69K

DAYLIGHT COLOR (CCT) 6500K

Pan/Tilt Type

Tilt Type



Audible Products

BSV/BSV-L

CE RoHS 10 c UK CA

MP3

87 dB at 1 m

63 second Playback

520 second Playback

IP54

PNP Open Collector

NPN Open Collector

BSV

BSV-L



EHS/EHV

CE RoHS 10 c UK CA

(12/24V DC: CE Compliant)

MP3

110 dB at 1 m

IP65

32 Sounds

EHS

NPN Open Collector

PNP Open Collector

EHV



BK/BKV

CE RoHS 10 c UK CA

(24V DC: CE Compliant)

MP3

95 dB at 1 m

63 second Playback

IP54

NPN Open Collector

BKV



LKEH

CE RoHS 10 c UK CA

(24V DC: CE Compliant)

MP3

LED

105 dB at 1 m

IP53

32 Sounds

63 second Playback

LKEH-FV

Options

SD Card (2 GB)

SDV-2GP*

*not CE Compliant



* UL type : Special Order.