

**PATLITE®**

# GENERAL CATALOG



**#1** Global Share  
in Signaling Devices

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# Product Index

Series	Product Name	Page	Series	Product Name	Page		
<i>B</i>	BD-A	Audible Alarm for Panel Mounting	69	<i>L</i>	LR7	Signal Tower	27
	BDV	MP3 Voice Annunciator for Panel Mounting	70		LS7	Signal Tower	43
	BK	Audible Alarm for Panel Mounting	71	<i>M</i>	ME-A	Signal Tower	40
	BKV	MP3 Voice Annunciator for Panel Mounting	72		MES-A	Signal Tower	40
	BM	Audible Alarm	67		MP	Signal Tower	41
	BSV	Slim MP3 Voice Annunciator	68		MPS	Signal Tower	41
	BSV-L	Slim MP3 Voice Annunciator	68	<i>N</i>	NBM	Interface Converter	23
<i>C</i>	CLA-A	LED Work Light	86		NE-A	Signal Beacon	57
	CLE	LED Work Light	92		NE-IL	IO-Link Signal Beacon	15
	CLK(-A)	LED Work Light	88		NH-FB	Network Monitor Signal Tower	17
	CLN-A	LED Work Light	91	NH-FV	Network Monitor MP3 Voice Annunciator Signal Tower	16	
	CWA	LED Work Light	87	<i>P</i>	PFH	Battery-powered Signal Beacon	62
	CWF	LED Work Light	85		PHC	Interface Converter	24
	CWK	LED Work Light	90		PHE	Interface Converter with Signal Tower	22
<i>E</i>	EDLR	Signal Tower	49	<i>R</i>	REL	Signal Beacon	60
	EHS	Audible Alarm Horn	73		RFT	Rotating Beacon with Audible Alarm	82
	EHV	MP3 Voice Annunciator Horn	74		RFV	Rotating Beacon with MP3 Voice Annunciator	83
<i>F</i>	FV-127JP	MP3 File Playback Circuit Board	75		RLR	Rotating Beacon	58
<i>H</i>	HSST	Signal Tower with Switch Box	39		RT-A	Rotating Beacon with Audible Alarm Horn	79
<i>K</i>	KES	Rotating Signal Tower	63		RT-VF	Rotating Beacon with MP3 Voice Annunciator Horn	80
	KESB	Rotating Signal Tower	63	<i>S</i>	SF08 / SF10	Multi-Function Beacon	55
	KJ / KJB	Rotating Signal Tower	65		SKH / SKP / SKS	Rotating Beacon	53
	KJS / KJSB	Rotating Signal Tower	64		SKH-EA	Small Rotating Beacon	62
	KJT	Rotating Signal Tower	81		SL08 / SL10 / SL15	Signal Beacon	51
KUS	Signal Tower	50	SPB		Speaker	97	
<i>L</i>	LA6	Programmable Multi-color Signal Tower	25		SPL	Speaker	97
	LA6-POE	Programmable Multi-color Signal Tower	20		SPW	Horn Speaker	97
	LFH	Signal Beacon	59	SZ	Optional Parts	93	
	LGE	Signal Tower	45	<i>W</i>	WD PRO	Wireless Data Acquisition System	11
	LKEH-FE	Signal Tower with Horn	77		WDR-Z2-PRO	Wireless Data Acquisition System	12
	LKEH-FV	Signal Tower with MP3 Voice Annunciator Horn	77		WDT	Wireless Data Acquisition System	13
	LPT	Warning Light	61		WE	Wall Mount Signal Tower	46
	LR4	Signal Tower	27		WEP	Wall Mount Signal Tower	46
	LR5	Signal Tower	27		WME-D	Wall Mount Signal Tower	47
	LR6	Signal Tower	27				
	LR6-IL	IO-Link Signal Tower	14				
	LR6-USB	USB-Controlled Signal Tower	19				





## LAN / USB / PoE / Wireless

	 <b>New</b>	 <b>New</b>		 <b>New</b>
Page Number	P.11	P.12	P.13	P.14
Product Name	Wireless Data Acquisition System			IO-Link Signal Tower
Series	WD PRO	WDR-Z2-PRO	WDT-Z2 (LR/6M/5E)	LR6-IL
Size (mm)	Φ60	120(W)×158(H)×40(D)	Φ40 / Φ50 / Φ60	Φ60
Conformity Standards	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC
IP/NEMA	IP65 / NEMA TYPE 4X, 13	IP20	Conforms to signal tower to be used	IP65 / NEMA TYPE 4X, 13
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright	Horizontal / Wall / Ceiling	Upright	Upright
Ambient Temperature	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C
Communication Interface	RS232C	Ethernet (PoE) / USB	-	IO-Link
Protocols and Other Features	-	Modbus TCP / Socket	-	-
Luminous Color	-	-	-	Red, Amber, Green, Blue, White, and Multi-color (7 colors)
Light Pattern	-	-	-	Continuous on / Blinking / Flashing
Modularity of LED Unit	-	-	-	✓
Flashes per Minute	-	-	-	60
Sound Pressure (dB)	-	-	-	84
Number of Alarm Sounds	-	-	-	4
Number of Inputs (bit/binary)	15	-	-	-
Remarks	-	Database compatible	-	WDT-Z2 mountable

## LAN / USB / PoE / Wireless


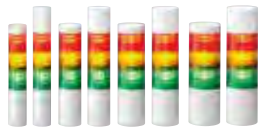

				
Page Number	P.15	P.16	P.17	P.19
Product Name	IO-Link Signal Beacons	Network Monitor MP3 Voice Annunciator Signal Tower	Network Monitor Signal Tower	USB Signal Tower
Series	NE-IL	NH-FV	NH-FB	LR6-USB
Size (mm)	Φ56	Φ40 / Φ60	Φ40 / Φ60	Φ60
Conformity Standards	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC
IP/NEMA	IP65 / NEMA TYPE 4X, 13	IP20	IP20	IP65
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright	Upright	Upright	Upright
Ambient Temperature	-25°C ~ +60°C	0°C ~ +40°C	0°C ~ +40°C	-20°C ~ +50°C
Communication Interface	IO-Link	Ethernet	Ethernet	USB 2.0
Supported Protocols	-	HTTP / RSH / PING / SNMP / SLMP / SOCKET	HTTP / RSH / PING / SNMP / SLMP / SOCKET	DLL, Linux
Luminous Color	Red, Amber, Green, Blue, Cyan, Purple, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green
Light Pattern	Continuous on / Blinking / Pulse	Continuous on / Blinking / Flashing	Continuous on / Blinking / Flashing	Continuous on / 4 patterns
Modularity of LED Unit	-	✓	✓	✓
Flashes per Minute	Determined by programming	60 / 120	60 / 120	-
Sound Pressure (dB)	88	88 (Adjustable volume)	80/70	80/70 (Adjustable volume)
Number of Alarm Sounds	8	70	4	4
Number of Inputs (bit/binary)	-	4	-	-
Number of Outputs	Touch sensor	1	-	-
Remarks		Sends e-mail alerts / Cloud compatible	Sends e-mail alerts	-

## LAN / USB / PoE / Wireless





				
Page Number	P.20	P.22	P.23	P.24
Product Name	Multi-color LED Signal Tower	Interface Converter with Signal Tower	Interface Converter	Interface Converter
Series	LA6-POE	PHE-3FB3N	NBM-D88NN	PHC-D08N
Size (mm)	Φ60	Φ40	266(W)×42(H)×137.5(D)	117(W)×28(H)×100(D)
Conformity Standards	CE / RoHS / UL FCC / KC	CE / RoHS / UL / FCC / KC	CE / RoHS / FCC	CE / RoHS / UL / FCC
IP/NEMA	IP20 (stationary mounting) / IP54 (direct mounting)	IP20	IP20	IP20
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright / Inverted	Upright	Upright	Upright
Ambient Temperature	-10°C ~ +50°C	0°C ~ +40°C	0°C ~ +40°C	0°C ~ +40°C
Communication Interface	Ethernet (PoE)	USB 2.0 / RS-232C	Ethernet	USB 2.0 / RS-232C
Protocols and Other Features	HTTP / Modbus TCP SOCKET	Original protocol	HTTP / RSH / PING SNMP / SOCKET	-
Luminous Color	Multi-color (21 colors)	Red, Amber, Green	-	-
Light Pattern	Continuous on / Blinking / Flashing	Continuous on / Blinking	-	-
Modularity of LED Unit	-	✓*	-	-
Flashes per Minute	30 / 60 / 120	37.5 / 75	-	-
Sound Pressure (dB)	85	80	-	-
Number of Alarm Sounds	11 (Adjustable volume)	4 (Adjustable volume)	-	-
Number of Inputs (bit/binary)	7 / 31	-	8	-
Number of Outputs	-	-	8	8
Remarks	-	-	Sends e-mail alerts	-

\* Cannot add additional tiers.




## Signal Tower

			
Page Number	p.25	p.27	p.39
Product Name	Multi-color LED Signal Tower	Signal Tower	Signal Tower with Switch Box
Series	LA6	LR	HSST
Size (mm)	Φ60	Φ40 / Φ50 / Φ60 / Φ70	Φ50
Conformity Standards	CE / RoHS / UL FCC / KC / PSE	CE / RoHS / UL / FCC / KC	RoHS / FCC
IP/NEMA	IP65 / IP54	IP65 / NEMA TYPE 4X, 13	IP54 (Signal tower only)
Mounting Location	Indoor	Indoor	Indoor
Mounting Direction	Upright	Upright	Upright
Ambient Temperature	-25°C ~ +60°C	-20°C ~ +50°C	0°C ~ +40°C
Luminous Color	Multi-color (21 colors)	Red, Amber, Green, Blue, White, and Multi-color (7 colors)	Red, Amber, Green
Light Pattern	Continuous on / Blinking / Pulse	Continuous on / Blinking	Continuous on
Modularity of LED Unit	-	✓	✓
Flashes per Minute	60	60	-
Sound Pressure (dB)	85 (-5, -10 Sound reduction available)	85/85/88/90 (-10 Sound reduction available)	-
Number of Alarm Sounds	11	4	-
Remarks	-	Compatible with Φ40 / Φ50 / Φ60 WDT-Z2	Compatible with Φ50 WDT-Z2

## Signal Tower

				
Page Number	P.40	P.41	P.43	P.45
Product Name	Signal Tower			
Series	ME-A / MES-A	MP / MPS	LS7	LGE
Size (mm)	Φ25	Φ30	Φ70	Φ100
Conformity Standards	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS
IP/NEMA	IP42	IP65	IP65 / IP54	IP54
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright	Upright	Upright	Upright
Ambient Temperature	-10°C ~ +55°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Luminous Color	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White
Light Pattern	Continuous on	Continuous on	Continuous on / Blinking	Continuous on / Blinking
Modularity of LED Unit	✓	✓	-	✓
Flashes per Minute	-	-	60	60
Sound Pressure (dB)	-	-	85	85
Number of Alarm Sounds	-	-	2 (Adjustable volume)	1
Remarks	-	-	-	-

## Signal Tower

				
Page Number	P.46	P.47	P.49	P.50
Product Name	Wall Mount Signal Tower		Signal Tower	
Series	WEP/WE	WME-D	EDLR	KUS
Size (mm)	W90×D37.5	W70×D80	Φ228	□70
Conformity Standards	CE / RoHS / UL	CE / RoHS / UL / FCC / KC	RoHS	RoHS
IP/NEMA	IP65 / IP54	IP54	IP66	IP54
Mounting Location	Indoor	Indoor	Indoor / Outdoor	Indoor
Mounting Direction	Upright, Facing up or down, Sideways	Upright, Facing up or down, Sideways	Upright	Upright
Ambient Temperature	-30°C ~ +60°C	-10°C ~ +55°C	-20°C ~ +50°C	-30°C ~ +60°C
Luminous Color	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green	Red, Amber, Green, Blue, White
Light Pattern	Continuous on / Blinking	Continuous on / Blinking	Continuous on / Blinking	Continuous on / Blinking
Modularity of LED Unit	-	✓	-	✓
Flashes per Minute	60	60	60	60
Sound Pressure (dB)	90	93	-	80
Number of Alarm Sounds	2	2	-	1
Remarks	-	-	-	-

## Beacons

				
	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>
Page Number	P.51	P.53	P.55	P.57
Product Name	Signal Beacon	Rotating Beacon	Multi-Function Beacon	Signal Beacon
Series	SL	SK	SF	NE-A
Size (mm)	Φ80 / Φ100 / Φ150	Φ80 / Φ100 / Φ150	Φ80 / Φ100	Φ56
Light Source	LED	LED	LED	LED
Conformity Standards	CE / RoHS / UL / FCC / KC EAC / PSE	CE / RoHS / UL / FCC / KC EAC / PSE	CE / RoHS / UL / FCC / KC EAC / PSE	CE / RoHS / UL / FCC / KC
IP/NEMA	IP23 / IP66 NEMA TYPE 4X, 13	IP23	IP23 / IP66 NEMA TYPE 4X, 13	IP65 / IP67 NEMA TYPE 4X, 13
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor
Mounting Direction	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	All
Ambient Temperature	-20°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C	-25°C ~ +60°C
Luminous Color	Red, Amber, Green, Blue	Red, Amber, Green, Blue	Red, Amber, Green, Blue	Red, Amber, Green, Blue, White, and Multi-color (7 colors)
Light Pattern	Continuous on / Blinking / Flashing	Motorized rotation	22 light patterns	Continuous on / Blinking
Flashes per Minute	Blinking: 180, Triple flash: 120	120	180/120/60; Single: 60; Double: 90; Triple: 120; Pulse: 20;	60 (multi-color type only)
Sound Pressure (dB)	88	88	88	88
Number of Alarm Sounds	1	1	1	2
Remarks	-	-	-	Touch sensor

## Beacons

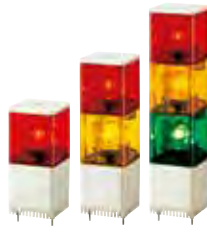
				
				<b>New</b>
Page Number	P.58	P.59	P.60	P.61
Product Name	Rotating Beacon	Signal Beacon	Signal Beacon	Warning Light
Series	RLR	LFH	REL	LPT
Size (mm)	Φ162	Φ100	Φ228	86(W)×28(H)×13.5(D) 114.4(W)×43.4(H)×13.5(D)
Light Source	LED	LED	LED	LED
Conformity Standards	CE / RoHS	CE / RoHS / UL / FCC	RoHS	CE / RoHS / FCC / KC
IP/NEMA	IP66	IP66	IP65	IP68 / TYPE,4X,13
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright, Inverted	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	All Directions
Ambient Temperature	-30°C ~ +70°C ( Except AC specification )	-30°C ~ +70°C ( Except AC specification )	-20°C ~ +55°C	-30°C ~ +75°C
Luminous Color	Red, Amber, Green, Blue	Red, Amber, Green, Blue, White	Red, Amber	Red, Amber, Green, Blue
Light Pattern	Motorized rotation	Flashing	Triple flash	Flashing
Flashes per Minute	105	110/140	110	400
Remarks	-	-	-	Vibration resistance 90 m/s

## Beacons



Page Number	P.62	P.62
Product Name	Battery-powered Signal Beacon	Small Rotating Beacon
Series	PFH	SKH-EA
Size (mm)	Φ101	Φ100
Light Source	LED	Incandescent bulb
Conformity Standards	RoHS	CE / RoHS
IP/NEMA	IP55	IP23
Mounting Location	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright, Horizontal	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright
Ambient Temperature	-10°C ~ +50°C	-30°C ~ +80°C ( Except AC specification )
Luminous Color	Red, Amber	Red, Amber, Green, Blue
Light Pattern	Flashing	Motorized rotation
Flashes per Minute	46 / 92	170
Remarks	-	-

## Cube Tower







Page Number	P.63	P.64	P.65
Product Name	Rotating Signal Tower		
Series	KES	KJS	KJ
Size (mm)	□82	□82	□116
Light Source	LED	Incandescent bulb	Incandescent bulb
IP/NEMA	IP23	IP23	IP23
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright	Upright	Upright
Ambient Temperature	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Luminous Color	Red, Amber, Green	Red, Amber, Green, Blue	Red, Amber, Green, Blue
Light Pattern	Motorized rotation	Motorized rotation	Motorized rotation
Rotations per Minute	100	160	130
Sound Pressure (dB)	85	85	85
Number of Alarm Sounds	1	1	1

## Audible Alarms and MP3 Voice Annunciators

				
Page Number	P. 67	P. 68	P. 69	P. 70
Product Name	Audible Alarm	Slim MP3 Voice Annunciator	Audible Alarm for Panel Mounting	MP3 Voice Annunciator for Panel Mounting
Series	BM	BSV / BSV-L	BD-A	BDV
Size (mm)	Φ30 (Panel hole size)	□75	□80	□80
Conformity Standards	CE*1 / RoHS	CE / RoHS / UL / FCC	CE*2 / RoHS / UL*2 / FCC*2	CE*2 / RoHS
IP/NEMA	IP30 / IP34	IP54	IP54	IP54
Mounting Location	Indoor	Indoor / Outdoor	Indoor	Indoor / Outdoor
Mounting Direction	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Upright, Sideways, Inverted	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright
Ambient Temperature	-10°C ~ +60°C	-10°C ~ +50°C	-20°C ~ +55°C	-10°C ~ +50°C
Sound Pressure (dB)	75 / 80 / 85 / 90	87 (Adjustable volume)	90 (Adjustable volume)	87 (Adjustable volume)
Number of Alarm Sounds or Alarm Recording Length	2	15 · 63 seconds / 520 seconds	32	63.5 seconds
Number of Inputs (bit/binary)	2	4 / 15	4	4 / 15
Remarks	-	-	-	-

## Audible Alarms and MP3 Voice Annunciators

				
Page Number	P. 71	P. 72	P. 73	P. 74
Product Name	Audible Alarm for Panel Mounting	MP3 Voice Annunciator for Panel Mounting	Audible Alarm Horn	MP3 Voice Annunciator Horn
Series	BK	BKV	EHS	EHV
Size (mm)	□120	□120	166.5(W) × 149.5(H) × 198.2(D) (Horizontal mounting)	166.5(W) × 149.5(H) × 198.2(D) (Horizontal mounting)
Conformity Standards	CE*2 / RoHS	CE*2 / RoHS	CE*1 / RoHS*1 / UL*2 FCC*2 / KC*2	CE*1 / RoHS*1 / UL*2 FCC*2 / KC*2
IP/NEMA	IP54	IP54	IP65	IP65
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Upright, Sideways, Inverted	Upright, Sideways, Inverted
Ambient Temperature	-20°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
Sound Pressure (dB)	95 (Adjustable volume)	95 (Adjustable volume)	110 (Adjustable volume)	Electronic sound 110: voice: 105 (Adjustable volume)
Number of Alarm Sounds or Alarm Recording Length	32	63 seconds	32	63 / 220 seconds
Number of Inputs (bit/binary)	8 / 32	5 / 31	8 / 32	8 / 63
Output	-	-	-	-
Remarks	-	-	-	-

\* 1 24V AC / DC only \* 2 12-24V DC only







## Audible Alarms and MP3 Voice Annunciators

## Hybrid Signaling Devices

				
Page Number	P.75	P.77	P.77	P.79
Product Name	MP3 File Playback Circuit Board	Signal Tower with Horn	Signal Tower with MP3 Voice Annunciator Horn	Rotating Beacon with Audible Alarm Horn
Series	FV-127JP	LKEH-FE	LKEH-FV	RT-A
Size (mm)	144(W) ×100(D)	Φ100	Φ100	Φ162
Light Source	-	LED	LED	Incandescent bulb
Conformity Standards	RoHS	CE / RoHS / UL	CE / RoHS / UL	-
IP/NEMA	-	IP53	IP53	IP23
Mounting Location	-	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	-	Upright	Upright	Upright
Ambient Temperature	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C
Luminous Color	-	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue
Light Pattern	-	Continuous on / Blinking	Continuous on / Blinking	Motorized rotation
Modularity of LED Unit	-	✓	✓	-
Flashes per Minute	-	60	60	115 / 105 / 95
Sound Pressure (dB)	Adjustable volume	105 (Adjustable volume)	105 (Adjustable volume)	105 (Adjustable volume)
Number of Alarm Sounds or Alarm Recording Length	8 / 240 min	32	63 seconds	32
Number of Inputs (bit/binary)	7 / 127	8 / 32	5 / 31	8 / 32
Remarks	4W	-	-	-




## Hybrid Signaling Devices

				
Page Number	P.80	P.81	P.82	P.83
Product Name	Rotating Beacon with MP3 Voice Annunciator Horn	Rotating Signal Tower	Rotating Beacon with Audible Alarm	Rotating Beacon with MP3 Voice Annunciator
Series	RT-VF	KJT	RFT	RFV
Size (mm)	Φ162	□116	Φ100	Φ100
Light Source	Incandescent bulb	Incandescent bulb	LED	LED
Conformity Standards	-	-	CE / RoHS	CE / RoHS
IP/NEMA	IP23	IP23	IP54	IP54
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright	Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright
Ambient Temperature	-10°C ~ +50°C	-20°C ~ +45°C	-10°C ~ +50°C	-10°C ~ +50°C
Luminous Color	Red, Amber, Green, Blue	Red, Amber, Green, Blue	Red, Amber, Green, Blue	Red, Amber, Green, Blue
Light Pattern	Motorized rotation	Motorized rotation	Motorized rotation	Motorized rotation
Rotations per Minute	115 / 105 / 95	120	115	115
Sound Pressure (dB)	105 (Adjustable volume)	90 (Adjustable volume)	90 (Adjustable volume)	95 (Adjustable volume)
Number of Alarm Sounds or Alarm Recording Length	63 seconds	32 types	32 types	63.5 seconds
Number of Inputs (bit/binary)	4 / 15	8 / 32	8 / 32	4 / 15
Remarks	-	-	-	-

LED Illumination

				
Page Number	P.85	P.86	P.87	P.88
Product Name	LED Work Light	LED Work Light	LED Work Light	LED Work Light
Series	CWF	CLA-A	CWA	CLK / CLK-A
Size (mm)	300 / 600 / 900	100 / 200 / 300 / 600 / 900 / 1200	300 / 600 / 900	200 / 300 / 600
Conformity Standards	CE / RoHS / UL / FCC	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS / UL
IP/NEMA	IP20	IP66 / IP67 / IP69K	IP65	IP66G / IP67G / IP69K
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	All	All	All	All
Ambient Temperature	-20°C ~ +60°C	-40°C ~ +60°C	-30°C ~ +60°C	-40°C ~ +60°C
Luminous Color	Daylight	Daylight / Amber	Daylight	Daylight / Natural white
Remarks	-	-	-	-

LED Illumination

			
Page Number	P.90	P.91	P.92
Product Name	LED Work Light	LED Work Light	LED Work Light
Series	CWK	CLN-A	CLE-24
Size (mm)	200 / 300 / 600	□85	Φ82
Conformity Standards	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS
IP/NEMA	IP66G / IP67G	IP66G / IP67G / IP69K	IP65F
Mounting Location	Indoor	Indoor	Indoor / Outdoor
Mounting Direction	All	All	All
Ambient Temperature	-10°C ~ +50°C	-40°C ~ +60°C	-25°C ~ +60°C
Luminous Color	Daylight	Daylight	-
Remarks	-	-	-



Wireless Data Acquisition System

# WD PRO

**New**

<b>φ60 mm</b>	<b>Indoor Use</b>	<b>Upright Mounting</b>	<b>Ambient Temperature -10°C~+50°C</b>	<b>RS-232C</b>	<b>8 Inputs</b>
<b>CE</b>	<b>RoHS 10</b>	<b>UL</b>	<b>FCC</b>	<b>KC</b>	<b>IP65</b>



WD PRO Transmitter

WD PRO Contact Input - Serial Communication Base Unit

## Model Number Configuration

### WDT-6LR-Z2-PRO

T=Transmitter ①

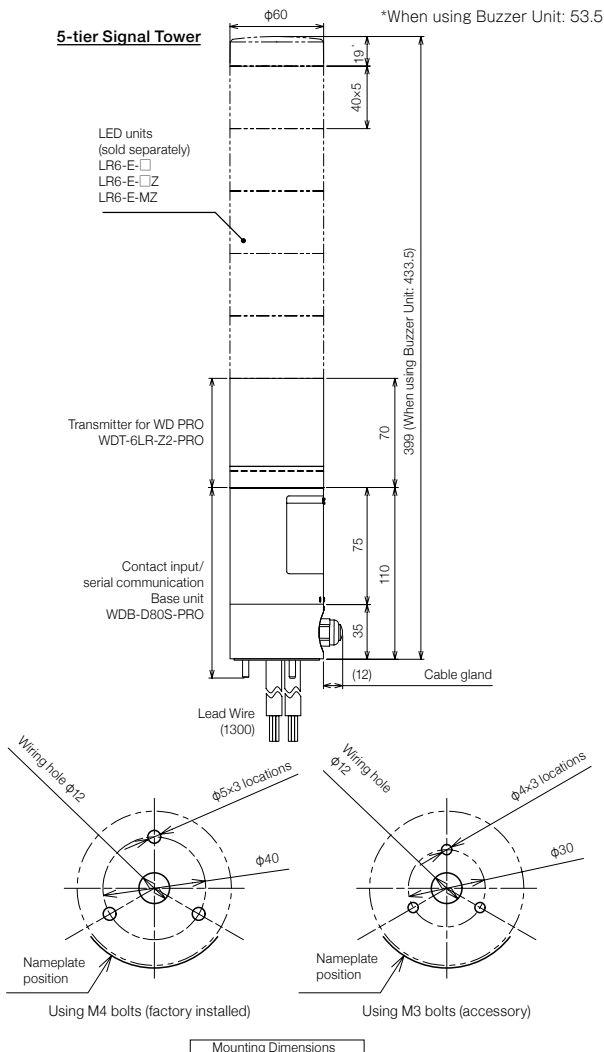
① Size  
6 = φ60 mm

### WDB-D80S-PRO

B=Base Unit ① ② ③ ④

① Method    ② External contact input points    ③ External contact output points  
D = Digital    8 = 8 points    0 = None  
④ Communication Method  
S = Serial communication

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Type	Power Consumption	Mass
WDB-D80S-PRO	24V DC	Base Unit	2.64W	0.3kg
WDT-6LR-Z2-PRO	24V DC	Transmitter	2.7W	0.09kg

## Available Countries / Regions

Japan / U.S. / Europe / China / Korea / Taiwan / Thailand / Indonesia / Mexico

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Serial cable	WDX-SC01
LED Unit	LR6-E-R/Y/G/B/C
LED Unit (clear Lens)	LR6-E-RZ/YZ/GZ/BZ
LED Unit (multi-color)	LR6-E-MZ
Buzzer Unit	LR6-BW
Upper Pole Bracket	SZP-004W
Pole	POLE-100/300/800A21+00109
Pole Mount Bracket	SZ-016A
Pole Mount Bracket	SZ-010
Wall Mount Bracket	SZK-002W
Wall Mount Bracket	SZK-003W
Wall Mount Bracket	SZK-001U

# Wireless Data Acquisition System

# WDR-Z2-PRO

**New**

Indoor Use	Horizontal Mounting	Wall/Ceiling Mounting	Ambient Temperature -10°C~+50°C	Ethernet	USB Bus Power	PoE	SOCKET
Modbus * /TCP	Database * Collaboration	CE	RoHS 10	UL	FCC	IP20	

\* Functions not available for Lite version models.



WD System Setup Software



WD PRO Receiver

**WDR-Z2-PRO**

LAN/USB/PoE/Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

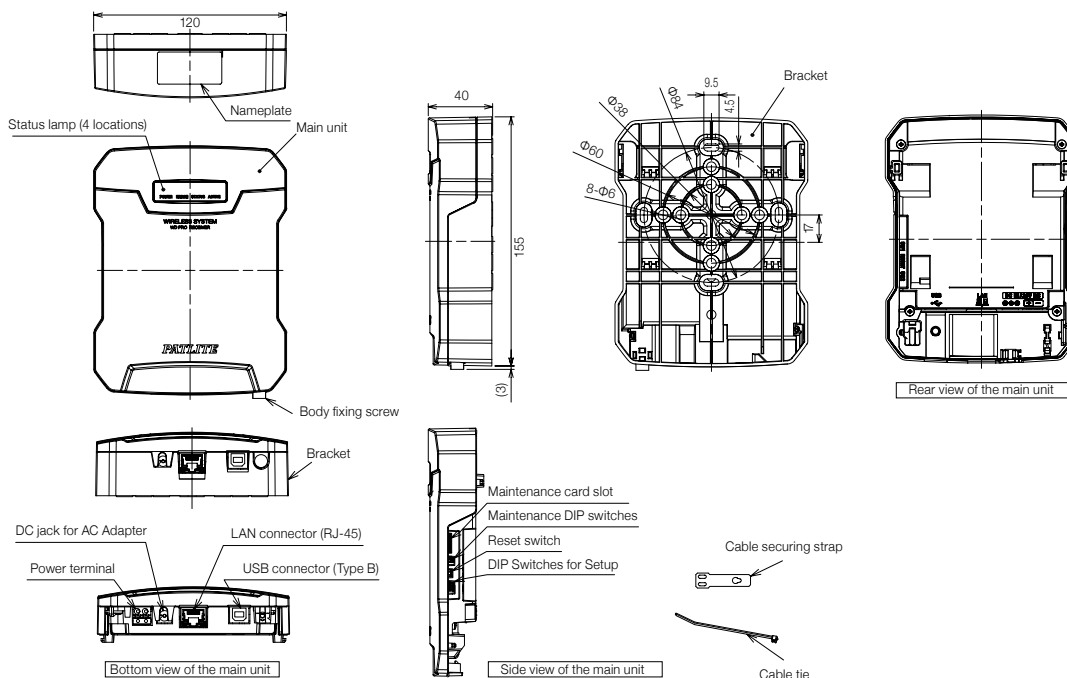
## Model Number Configuration

# WDR-LE-Z2-PRO-L

① Software  
None = Standard  
L = Lite version

①

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	AC Adapter	Software Specification	Power Consumption	Mass
WDR-LE-Z2-PRO	24V DC	None	Standard	4.5W	0.3kg
WDR-LE-Z2-PRO-L			Lite (no web setup tool)		

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
System operation software*	WDS-WIN01
Global AC Adapter	ADP-001

\* Free version is limited to changing the transmitter and receiver settings. Data collection only available with paid license.

## Available Countries / Regions

Japan, United States, Canada, Europe, China, Thailand, Vietnam, Korea, Taiwan, Philippines, Singapore, Malaysia, Indonesia, Mexico (as of April 2021)

\* Do not use outside of supported countries and regions. Failure to do so may come into conflict with the law.

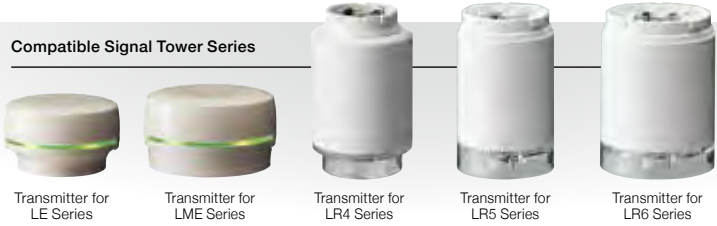
# WD-Z2



WD System Setup Software

Φ40 mm	Φ50 mm	Φ60 mm	Indoor Use	Upright Mounting	Ambient Temperature -10°C~+50°C
CE	RoHS 10	UL	FCC	IP65	NEMA TYPE 4X,13

\*1. WDR-L(E)-Z2 excluded  
\*2. WDR-L (E)-Z2: IP20



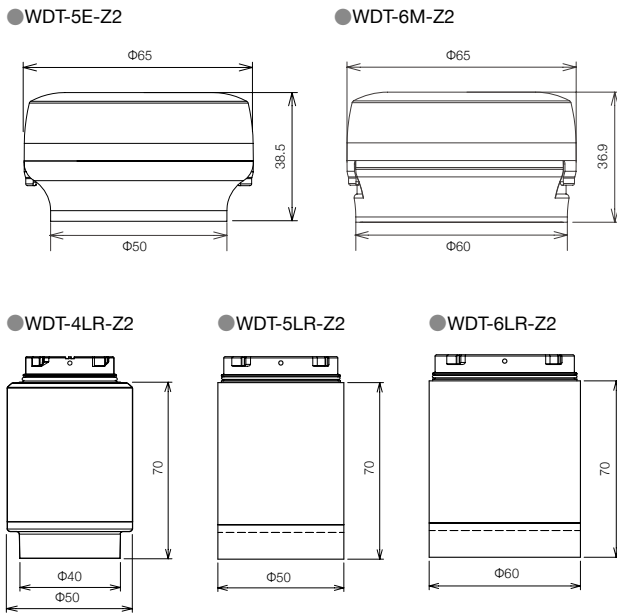
## Model Number Configuration

# WDT-6LR-Z2

①

① Size · Compatible Signal Tower Series  
4LR = Φ40 · LR4 Series  
5LR = Φ50 · LR5 Series  
6LR = Φ60 · LR6 Series  
5E = Φ50 · LE Series  
6M = Φ60 · LME Series

## Dimensions (mm)



## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
System operation software*	WDS-WIN01
Global AC Adapter	ADP-001
Setup Kit (Φ40mm)	WDX-4LRB
Setup Kit (Φ50mm)	WDX-5LRB
Setup Kit (Φ60mm)	WDX-6LRB

\* Free version is limited to changing the transmitter and receiver settings. Data collection only available with paid license.

## Available Countries / Regions

WDT-5E / 6M-Z2	WDT-4LR / 5LR / 6LR-Z2
Japan / U.S. / Europe / China / Taiwan / Thailand / Philippines / Vietnam	Japan / U.S. / Europe / China / Korea / Taiwan / Thailand / Indonesia / Philippines / Vietnam / Mexico / Canada / Malaysia / Singapore

## Product List

Model Number	Rated Voltage	Type	Size (mm)	Compatible Signal Tower Series	Power Consumption	Mass
WDT-5E-Z2	24V DC	Transmitter	Φ50	LE	0.8W	0.052kg
WDT-6M-Z2	24V DC	Transmitter	Φ60	LME	0.8W	0.052kg
WDT-4LR-Z2	24V DC	Transmitter	Φ40	LR4	1.4W	0.070kg
WDT-5LR-Z2	24V DC	Transmitter	Φ50	LR5	1.4W	0.074kg
WDT-6LR-Z2	24V DC	Transmitter	Φ60	LR6	1.4W	0.085kg

# LR6-IL

**New**



WD Compatible  
(pg. 13)

\* LED unit up to 3 tiers



Pre-assembled

Body Unit

Φ60 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -20°C~+50°C	IO-Link	Multi-color LED (7 colors)	Change Number of Tiers	
Continuous On	60 Flashes per Minute	84dB	4 Alarm Sounds	CE	RoHS 10	UL	FCC	KC
IP65	NEMA TYPE 4X,13							

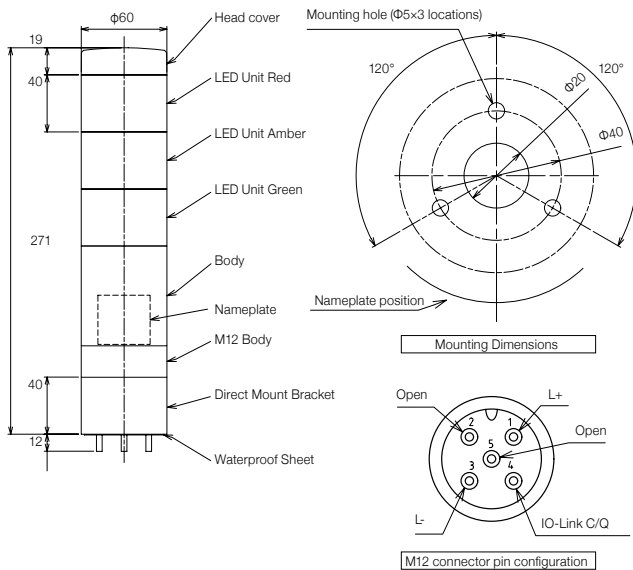
## Model Number Configuration

# LR6-3ILWMNW-RYG

① ② ③ ④ ⑤ ⑥

① Number of tiers None = Body Unit only 3 = 3 tiers	② Extended function IL = IO-Link	③ Mounting/Wiring spec WM = Direct mounting/M12 connector	④ Buzzer unit* N = None * For Buzzer, use Buzzer Unit LR6-BW	⑤ Body Color W = Off-white	⑥ Luminous Color None = Body Unit only R = Red Y = Amber G = Green * From top to bottom
---	-------------------------------------	--	--	-------------------------------	---

## Dimensions (mm)



## Specification

<b>Communication Specification</b>	IO-Link
<b>Alarm Sound</b>	Select from 4 patterns when using LR6-BW
<b>Volume control</b>	Reduce sound with DIP-switch when using LR6-BW

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
LED Unit	LR6-E-R/Y/G/B/C
LED Unit (clear lens)	LR6-E-RZ/YZ/GZ/BZ
Multi-color LED Unit	LR6-E-MZ
Buzzer Unit	LR6-BW
Upper Pole Bracket	SZP-004W
Pole	POLE-100/300/800A21+O0109
Mounting Bracket	SZ-016A
Mounting Bracket	SZ-010
Mounting Bracket	SZW-002W
Wall Mount Bracket	SZK-001U
Wall Mount Bracket	SZK-003W

## Product List

Model Number	Number of Tiers	Rated Voltage	Audible Alarm	Luminous Color	Power Consumption	Mass
LR6-3ILWMNW-RYG	3	24V DC	None	Red, Amber & Green	5W	0.38kg
LR6-ILWMNW	0 (body unit)			None		0.2kg

IO-Link Signal Beacon

# NE-IL

**New**



Φ56 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -25°C~+60°C	IO-Link	Multi-color LED (7 colors)	
Continuous On	Blinking	Flash	Pulse	88dB	8 Alarm Sounds	Touch Sensor	
CE	RoHS 10	UL	FCC	ICES	KC	IP65	
							NEMA TYPE 4X,13

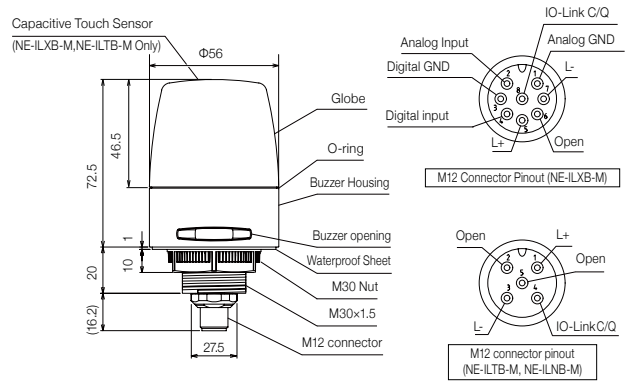
## Model Number Configuration

# NE-ILXB-M

- ①
- ②
- ③

- |  |                        |                                |
|--|------------------------|--------------------------------|
| ① Touch Sensor<br>T = With touch sensor<br>N = No touch sensor<br>X = With touch sensor and digital / analog input | ② Buzzer<br>B = Buzzer | ③ LED Color<br>M = Multi Color |
|--|------------------------|--------------------------------|

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Touch Sensor	Digital / Analog Input	Audible Alarm	Luminous Color	Power Consumption	Mass
NE-ILNB-M	24V DC	None	None	Yes	Multi-color (Red, Amber, Green, Blue, White, Purple, Cyan)	2.4W	0.10kg
NE-ILTB-M		Yes	None				
NE-ILXB-M		Yes	Yes				

## Specification

Communication Specification	IO-Link
Alarm Sound	Select from 8 patterns
Volume Control	Control with IO-Link

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Bracket	NE-001D
Wall Mount Bracket	NE-002D



# Network Monitor MP3 Voice Annunciator Signal Tower

# NH-FV



LED	Indoor Use	Upright Mounting	Ambient Temperature 0°C~40°C	Ethernet	SOCKET	4 Inputs	1 Output	HTTP Command	RSH
PING	SNMP	SLMP	E-mail Alerts	Continuous On	60 Flashes per Minute	120 Flashes per Minute	88dB	70 Alarm Sounds	
CE	RoHS 10	FCC	UL	IP20					



## Model Number Configuration

# NHL-3FV2N-RYG

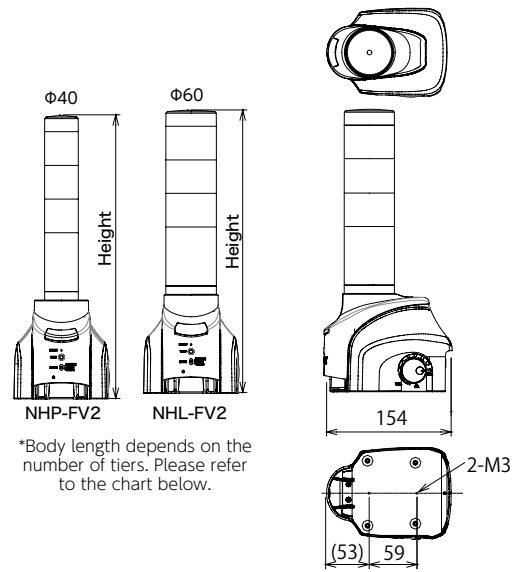


① Size P = Φ40 L = Φ60	② Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers 5 = 5 tiers	③ AC Adapter None = AC Adapter included W*1 = AC Adapter and plug adapters included  N*1 = AC Adapter not included	④ Luminous Color 1 = 1 tier: R / Y / G 2 = 2 tiers: RY / RG 3 = 3 tiers: RYG 4 = 4 tiers: RYGB 5 = 5 tiers: RYGBG
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## Specification

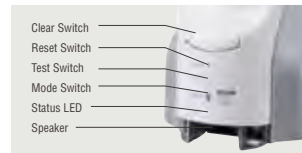
<b>Protocols (Physical layer ~Application layer)</b>	Physical layer: Ethernet (IEEE802.3 compliant) 10BASE-T/100BASE-TX (auto-negotiation, full-duplex/half-duplex) Data link layer: CSMA/CD Network layer: IP/ICMP/ARP Transport layer: TCP UDP Application layer: HTTP/SMTP/SNMP/RSH/NTP/POP/DNS/SOCKET/DHCP/SLMP
<b>Alarm Sound</b>	4 patterns (short intermittent beeps / slow intermittent beeps / 2 short intermittent beeps / continuous beep)
<b>Playback Mode</b>	Priority playback/Memory playback after input
<b>Volume Control</b>	Volume adjustment knob / Analog volume settings from device setup browser

## Dimensions (mm)

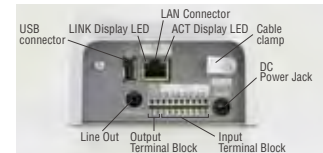


\*Body length depends on the number of tiers. Please refer to the chart below.

### Front



### Back



## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	NH-WST2
Tint Film	NHL-TF (for NHL-FV2/FB2 types)
	NHP-TF (for NHP-FV2/FB2 and PHE-3FB3 types)

### NHP-□ FV2 type main body height

Number of Tiers	1	2	3	4	5
<b>Body Height (mm)</b>	256	296	336	376	416

### NHL-□ FV2 type main body height

Number of Tiers	1	2	3	4	5
<b>Body Height (mm)</b>	256	296	336	376	416

## Product List

Model Number	Size (mm)	Number of Tiers	Rated Voltage	Message Recording	AC Adapter	Luminous Color	Power Consumption	Mass *2
NHP-3FV2-RYG	Φ40	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.02 kg
NHP-3FV2W-RYG	Φ40	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.02 kg
NHP-3FV2N-RYG	Φ40	3	100-240V AC *1	Preset sounds + User programmable capability	None	Red, Amber, Green	6.5W	1.02 kg
NHL-3FV2-RYG	Φ60	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.15 kg
NHL-3FV2W-RYG	Φ60	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.15 kg
NHL-3FV2N-RYG	Φ60	3	100-240V AC *1	Preset sounds + User programmable capability	None	Red, Amber & Green	6.5W	1.15 kg

\*1. Using AC adapter \*2. Excluding AC adapter

Network Monitor Signal Tower

# NH-FB

LED	Indoor Use	Upright Mounting	Ambient Temperature 0°C~40°C	Ethernet	SOCKET	HTTP Command	RSH	PING	SNMP
SLMP	E-mail Alerts	Continuous On	60 Flashes per Minute	120 Flashes per Minute	80dB	4 Alarm Sounds			
CE	RoHS 10	FCC	UL	IP20					



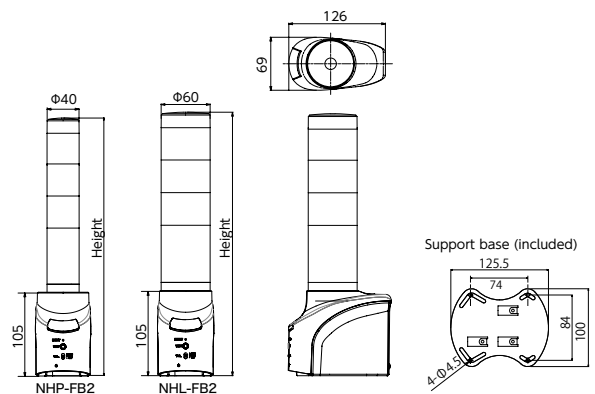
### Model Number Configuration

## NHL-3FB2N-RYG

① Size    ② Tiers    ③ AC Adapter    ④ LED Unit Colors

① Size P =  $\Phi 40$  1 = 1 tier L =  $\Phi 60$  2 = 2 tiers 3 = 3 tiers 4 = 4 tiers 5 = 5 tiers  
 ② Tiers None = AC Adapter included W\*1 = AC Adapter and plug adapters included  
 ③ AC Adapter UL CCC VDE KC UK  
 N\*1 = AC Adapter not included \*1. Three tiers only.  
 ④ LED Unit Colors 1 = 1 tier: R / Y / G 2 = 2 tiers: RY / RG 3 = 3 tiers: RYG 4 = 4 tiers: RYGB 5 = 5 tiers: RYGBG

### Dimensions (mm)



NHP-□ FB2 type main body height

Number of Tiers	1	2	3	4	5
Body Height (mm)	244	284	324	364	404

NHL-□ FB2 type main body height

Number of Tiers	1	2	3	4	5
Body Height (mm)	244	284	324	364	404

### Specification

<b>Protocols (Physical layer ~Application layer)</b>	Physical layer: Ethernet (IEEE802.3 compliant) 10BASE-T/100BASE-TX (auto-negotiation, full-duplex/half-duplex) Data link layer: CSMA/CD Network layer: IP/ICMP/ARP Transport layer: TCP UDP Application layer: HTTP/SMTP/SNMP/RSH/NTP/POP/DNS/SOCKET/DHCP/SLMP
<b>Alarm Sound</b>	4 patterns (short intermittent beeps / slow intermittent beeps / 2 short intermittent beeps / continuous beep)
<b>Volume Control</b>	Adjust with DIP switch in front

### Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	NH-WST
Partition Mounting Bracket	NH-PST
Tint Film	NHL-TF (for NHL-FV2/FB2 types)
	NHP-TF (for NHP-FV2/FB2 and PHE-3FB3 types)

### Product List

Model Number	Size (mm)	Number of Tiers	Rated Voltage	AC Adapter	Luminous Color	Power Consumption	Mass *2
NHP-3FB2-RYG	$\Phi 40$	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.65 kg
NHP-3FB2W-RYG	$\Phi 40$	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.65 kg
NHP-3FB2N-RYG	$\Phi 40$	3	100-240V AC *1	None	Red, Amber, Green	7.0W	0.65 kg
NHL-3FB2-RYG	$\Phi 60$	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.78 kg
NHL-3FB2W-RYG	$\Phi 60$	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.78 kg
NHL-3FB2N-RYG	$\Phi 60$	3	100-240V AC *1	None	Red, Amber, Green	7.0W	0.78 kg

\*1. Using AC adapter  
\*2. Excluding AC adapter

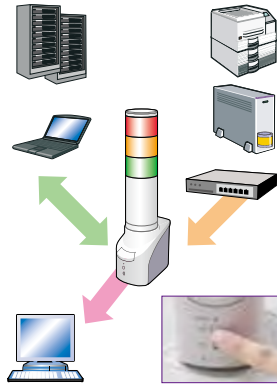
Event Monitoring

PING Monitoring

Each NH Tower can PING up to 24 devices. When a PING response fails, visual, audible, and/or email alerts are sent to administrators. These alerts can be customized based on the severity of the issue.

Application Monitoring

The NH Tower can monitor the performance of standard software and web applications, and notify administrators instantly of any errors.



SNMP v1 · v2c

The NH Towers can send, receive, and analyze TRAP information. Register up to 16 groups (4 nodes per group).

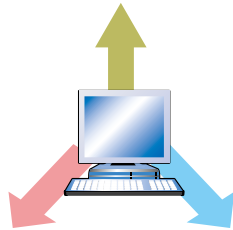
Self Diagnosis Function

With the test switch located on the front of the NH Tower, users can test various functions without having to login to the device through the network.

Supported Protocols

HTTP Commands

The NH accepts HTTP commands sent through a web browser or PLC to trigger NH Series visual and audible alert functions.



RSH Command

RSH can be used to automatically run commands based on event information from network management software and various monitoring tools on the NH Series to trigger visual and audible alert functions.

SOCKET Communication

Compatible with PHN command  
Control digital output with a 2-byte command

\* NH-FV Series does not support sound playback using PHN compatible commands.

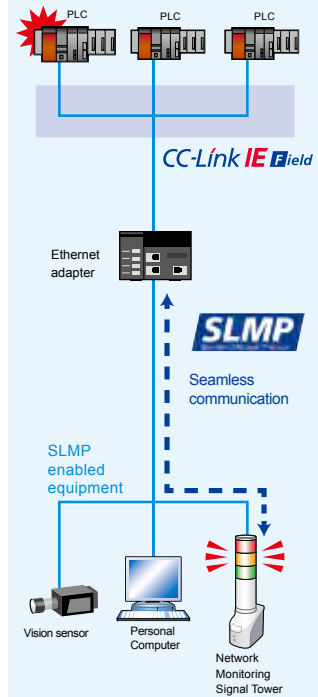
Compatible with PNS command

The NH accepts an application-level protocol called PNS (developed by PATLITE) to establish connection between client and server and to control visual and audible alert functions.



SLMP, MC protocols supported. You can connect the NH to a CC-Link IE field network.

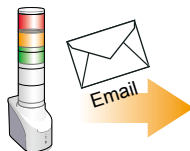
The NH regularly sends commands to PLCs in the CC-Link IE field network, and can notify you of retrieved data by light, sound, email, and/or trap.



Email Transmission

Send email reports of various network events to up to 8 addresses.

The subject and body can be customized and can be automated to be sent in a variety of situations

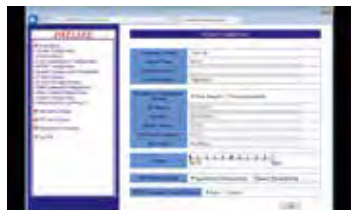


SNMP TRAP Transmission

Send emails to a maximum of 8 addresses.

Device Setup Browser

The settings of the NH can be easily configured on your PC via the setup browser. This also enables remote firmware updates.



PNS Manager

This software configures PNS protocol settings. Confirm and change settings of each NH unit while multiple units are installed on the network.



Supports DHCP

Dynamic Host Configuration Protocol (DHCP) is a network management client/server protocol that automatically assigns an IP address to each device on a network so they can communicate with other IP networks.

Supported operating systems:  
Windows® XP/Windows Vista®/Windows® 7/  
Windows® 8/Windows® 8.1/Windows® 10  
LAN-Environment:  
The 10BASE-T/100BASE-TX UDP is running.  
Software: NET Framework 3.5 or later  
Compatible models: NH-FB Series, NH-FV Series, NBM-D88

USB Signal Tower

# LR6-USB

Φ60 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -20°C~+50°C	USB Bus Power	Multi-color LED (7 colors)
Continuous On	4 Flash Patterns	60 Flashes per Minute	120 Flashes per Minute	80dB	4 Alarm Sounds	DLL
CE	RoHS 10	UL	FCC	KC	ICES	IP65



## Model Number Configuration

# LR6- USBW-RYG

- ①                      ②                      ③

① Number of Tiers  
None = Body Unit only  
3 = 3 tiers

② Body Color  
W = Off-white  
K = Black

③ Luminous Color  
None = Body Unit only  
RYG = Red / Amber / Green from top to bottom

## Optional Parts

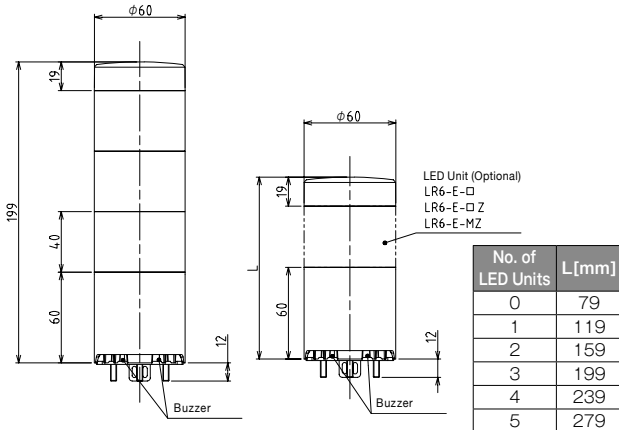
For details refer to P. 93 to P. 98

Product Name	Model Number
Upper Pole Bracket	SZP-004W
Mounting Bracket	SZW-002W
Wall Mount Bracket	SZK-003W
Pole Mounting Bracket	SZ-016A
Pole Mounting Bracket	SZ-010
Pole (100mm)	POLE-100A21+O0109
Pole (300mm)	POLE-300A21+O0109
Pole (800mm)	POLE-800A21+O0109

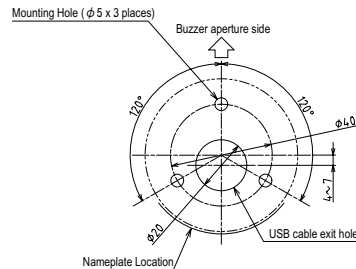
## Dimensions (mm)

### LR6-3USBW-RYG

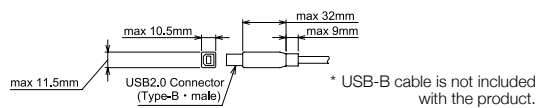
### LR6-USBW



### Mounting dimensions



### Compatible USB cable dimensions



## Product List

Model Number	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass
LR6-3USBW-RYG / LR6-3USBK-RYG	3	5V DC (USB-bus power)	Red, Amber & Green	2.5W	0.32kg
LR6-USBW / LR6-USBK	-		-		0.14kg

## Specification

<b>OS compatible with software library (DLLs)</b>	Windows® 7, Windows® 8 (excluding RT), Windows® 8.1 (excluding Windows® 8.1RT), Windows® 10
<b>Alarm Sounds</b>	Select from 4 patterns and 13 pitches
<b>Volume Control</b>	About-10 dB when the internal switch is used.

### Supports Both DLL and Protocol Control

- Custom programming made easy with our free software library (.DLL).
- Open architecture makes it possible to control the device with other operating systems such as Linux.
- Supports HID class. No exclusive drivers necessary.

### Demo Software



Confirm actual operation of the LED unit and buzzer. For details, please see our website.

## Multi-color LED Signal Tower

# LA6-POE

Φ60 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -10°C~+50°C	Ethernet	PoE	SOCKET	Luminous Color Multi-color (21 colors)
HTTP Command	Modbus /TCP	85dB	CE	RoHS 10	UL	FCC	KC	IP20 (Stationary) IP54 (Direct)



LA6-5DTNWB-POE (Direct Mount Type)

LA6-5DSNWB-POE (Stationary Type)

LA6-POE

LAN/USB/PoE/Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

### Model Number Configuration

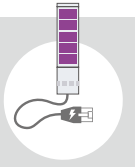
## LA6-5DTNWB-POE

- ① ② ③ ④ ⑤

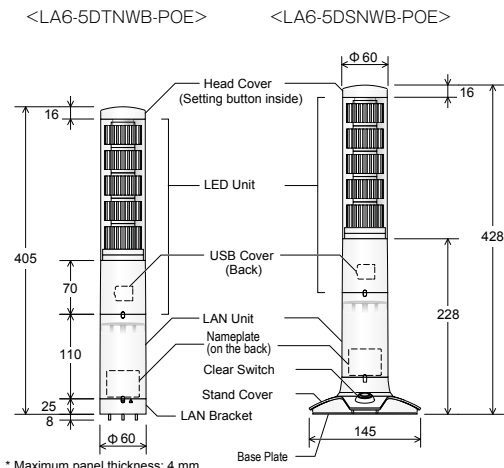
- |   |   |                               |
|---|---|-------------------------------|
| ① Rated Voltage<br>24V DC                         | ② Mounting<br>TN = Direct mounting<br>SN = Stationary | ③ Body Color<br>W = Off-white |
| ④ Flashing/Alarms<br>B = With flashing and alarms | ⑤ Extended Function<br>PoE-Compatible                 |                               |

#### What is PoE?

Stands for "Power of Ethernet" and describes a system where both data and power are supplied to a machine using a single Ethernet cable.



### Dimensions (mm)



### Product List

Model Number	Number of Tiers	Rated Voltage	Model Number	Power Consumption	Mass
LA6-5DTNWB-POE	5	24V DC 48V DC (PoE)	Direct mount	12.9W *	0.63kg
LA6-5DSNWB-POE			Stationary	12.9W *	0.78kg

\* 24 V DC input ( 12.5 W for PoE input )

### Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Stationary Bracket	SZW-060W
Wall Mount Bracket	SZK-003W
Wall Mount Bracket	NH-WST2
Pole Mounting Bracket	SZ-010
Pole Mounting Bracket	SZ-016A
Upper Pole Bracket (pole waterproof ring/screw included)	SZP-004W
Pole (100mm)	POLE-100A21+O0109
Pole (300mm)	POLE-300A21+O0109
Pole (800mm)	POLE-800A21+O0109

### Specification

Supported Transistors (NPN/PNP)	NPN / PNP
Communication Specifications (Physical to Application)	Physical layer: 10BASE-T/100BASE-TX(Auto-MDI/MDIX support) Data link layer: CSMA/CD network layer: IP, ARP, ICMP Transport layer: TCP, UDP Application layer: HTTP/DHCP/Modbus/TCP/Socket (corresponds to PHN, PNS commands)
Alarm Sound	Select from 11 patterns
Volume Control	Multi-function button / Device Setup Browser

# Communication Protocols

## HTTP Commands

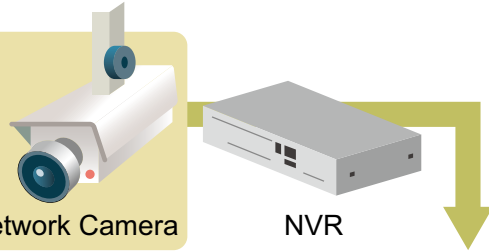
The LA6-POE accepts HTTP commands sent through a web browser or PLC to trigger visual and audible alert functions.

### ■ Detailed Motion Control (The color of each tier can be controlled.)

Execute command  
(Tier 1: Green, Tier 2: Blue, Tier 3: Off, Tier 4: White, Tier 5: Red, Flashing off, Alarm: Pattern 11)  
`http://192.168.10.1/api/control?color=46091&buzzer=11`

### ■ Smart Mode Control (Configure Smart Mode settings via the EDITOR software.)

Execute command (Run smart mode group No.10)  
`http://192.168.10.1/api/control?smart=10`



## SOCKET Communication

**PNS Commands supported** By using PNS commands, you can control all notification patterns.

### ■ Detailed Motion Control (Control specific LED colors for tiers 1 to 5)

Execute command  
(Tier 1: Green, Tier 2: Blue, Tier 3: Off, Tier 4: White, Tier 5: Red, Flashing off, Alarm: Pattern 11)  
41H, 42H, 44H, 00H, 00H, 07H, 04H, 06H, 00H, 09H, 01H, 00H, 0BH

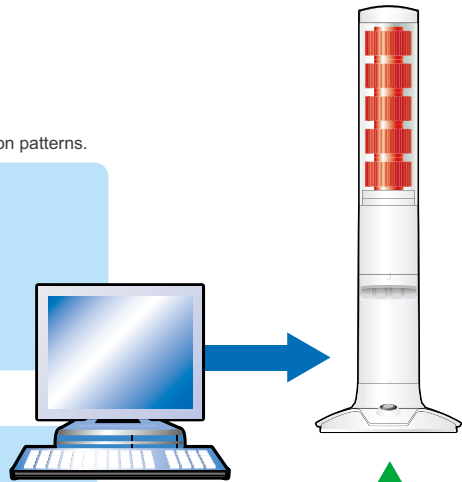
### ■ Smart Mode Control (Configure Smart Mode settings via the EDITOR software.)

Execute command (Run smart mode group No.10)  
41H, 42H, 54H, 00H, 00H, 01H, 0AH

**PNS Command** Control with 2-byte command.

Execute command  
(Tier 1: Continuous ON, Tier 2: Flashing, Tier 3: Off, and Alarm: Pattern 2)  
57H, 51H

\* Control the Continuous ON, Flashing, and 2 Alarms on tiers 1~3.

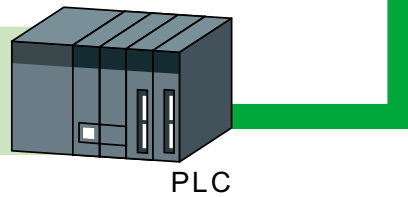


## Modbus/TCP

The LA6-POE accepts Modbus TCP/UDP commands from a PLC to control visual and audible alert functions.

### ■ Smart Mode Control (Configure Smart Mode settings via the EDITOR software.)

Execute command  
(When operating the Signal Tower in Smart Mode group number 15.)  
00H, 00H, 00H, 00H, 00H, 06H, 01H, 06H, 00H, 06H, 01H, 0FH



# Interface Converter with Signal Tower

# PHE

<b>Φ40 mm</b>	<b>LED</b>	<b>RS-232C</b>	<b>Indoor Use</b>	<b>Upright Mounting</b>	<b>Ambient Temperature 0°C~40°C</b>	<b>USB Bus Power</b>	<b>Red, Amber, Green</b>
<b>Continuous On</b>	<b>37.5 Flashes per Minute</b>	<b>75 Flashes per Minute</b>	<b>80dB</b>	<b>4 Alarm Sounds</b>			
<b>CE</b>	<b>RoHS 10</b>	<b>UL</b>	<b>FCC</b>	<b>KC (N type only)</b>	<b>IP20</b>		

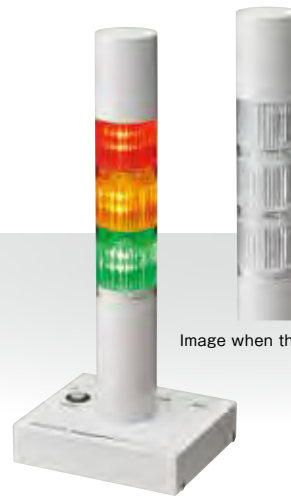
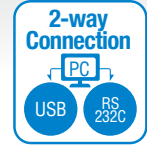


Image when the light is off



## Model Number Configuration

# PHE-3FB3N-RYG

①

① AC Adapter  
N = AC Adapter not included

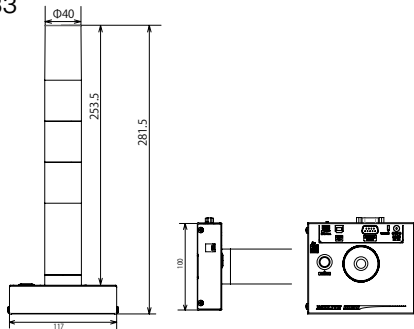
## Optional Parts

For details refer to P. 93 to P. 98

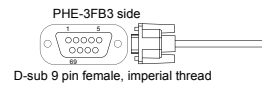
Product Name	PNS Command
Tint Film	NHP-TF (for NHP-FV2/FB2 and PHE-3FB3 types)
AC Adapter	ADP-001

## Dimensions (mm)

### ■ PHE-3FB3



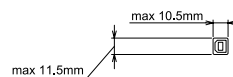
### ■ Routing to RS-232C Ports



Signal name	Pin number
TXD	2
RXD	3
GND	5
CTS	7
RTS	8

Note: RS-232C cable not included.

### ■ Compatible USB cable dimensions



Note: USB cables not included.

## Product List

Model Number	Number of Tiers	Rated Voltage	AC Adapter	Luminous Color	Power Consumption	Mass
PHE-3FB3N-RYG	3	24V DC, 5V DC (USB-bus power)	None	Red, Amber, Green, with clear lens	4.4W	0.545kg

## Specification

<b>USB driver compatible OS</b>	Windows® 7 (32bit,64bit), Windows® 8 (32bit,64bit), Windows® 8.1 (32bit,64bit), Windows® 10 (32bit,64bit), Windows Server® 2008 R2, Windows Server® 2012, Windows Server® 2012 R2
<b>Alarm Sound</b>	4 patterns
<b>Volume Control</b>	Sound can be reduced by using the supplied sound reduction sheet. DIP switch (-10 dB) in the buzzer unit

# Interface Converter

# NBM

Indoor Use	Upright Mounting	Ambient Temperature 0°C~40°C	Ethernet	SOCKET	8 Inputs	8 Outputs
HTTP Command	RSH	PING	SNMP	E-mail Alerts		
CE	RoHS 10	UL	FCC	KC	IP20	

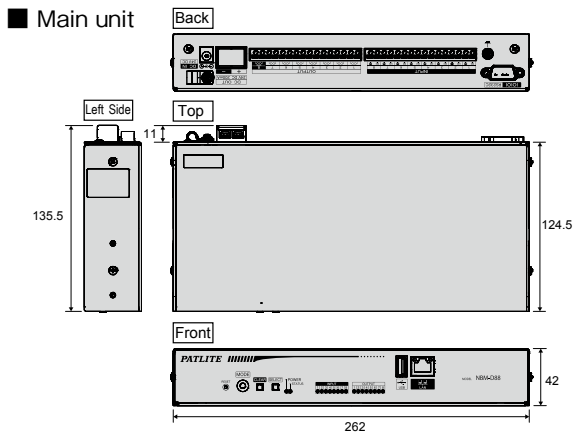


\* AC Adapter not included.

## Product List

Model Number	Rated Voltage	AC Adapter	Power Consumption	Mass
NBM-D88NN	24V DC	None	14W	1.15kg

## Dimensions (mm)



## Specification

Supported Transistors	NPN
Communication spec (physical layer to application layer)	Physical layer : Ethernet(IEEE802.3 compliant) 10BASE-T/100BASE-TX (auto-negotiation)
	Connector shape : RJ-45 8-pole
	Data link layer : CSMA/CD Method
	Network layer : IP / ARP / ICMP
	Transport layer : TCP UDP
Application layer : HTTP, NTP, Socket (PHN/PNS) SMTP-SNMP (V1, V2C), DHCP, DNS, POP3, RSH	

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Server Rack Mounting Bracket	NBM-ANG
AC Adapter	ADP-001

## Digital Input Condition Setup Function

**Duration condition** Trigger the output with a timer.

**AND condition** Trigger the output with boolean logic.

**Count Condition** Trigger the output with repeated inputs.

By setting the input detection method, the NBM can be used in a variety of environments and applications. Set a temperature alarm with a temperature sensor, Set an area notification with an infrared sensor, etc.

### Operations that can be performed using the condition setting function

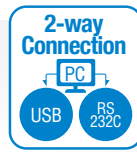
Digital output control	Turning Digital Outputs ON or OFF
Send RSH command	Sending a remote shell command to a device at the specified address
Send socket	Sending PHN/PNS Commands to Devices at the Specified Addresses
Trap sending	Sending SNMP Traps to Devices with Configured Addresses
Send mail	Sending Mail to a Specified Mail Server



# Interface Converter

# PHC

- Indoor Use
- Upright Mounting
- Ambient Temperature 0°C~+40°C
- USB Bus Power
- RS-232C
- 8 Outputs
- CE
- RoHS 10
- UL
- FCC
- IP20



PHC

LAN/USB/PoE/Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

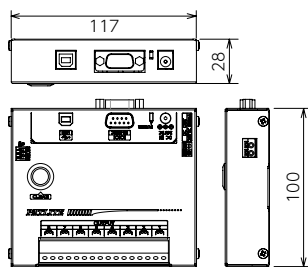
Hybrid Signaling Devices

LED Illumination

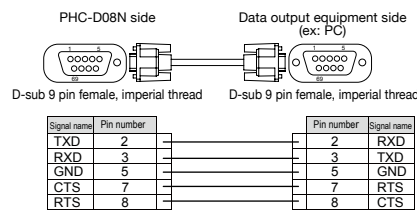
Optional Parts

## Dimensions (mm)

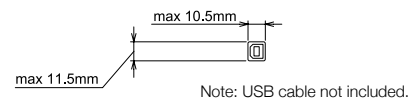
### PHC-D08N



### Wiring for RS-232C port



### Compatible USB cable dimensions



## Product List

Model Name	Rated Voltage	AC Adapter	Power Consumption	Mass
PHC-D08N	24V DC, 5V DC (USB-bus power)	None*	14.5W	0.37kg

\* Power output only available with AC adapter

## Specification

<b>USB driver compatible OS</b>	Windows® 7 (32bit,64bit)、Windows® 8 (32bit,64bit)、Windows® 8.1 (32bit,64bit)、Windows® 10 (32bit,64bit)、Windows Server® 2008 R2、Windows Server® 2012、Windows Server® 2012 R2
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## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
AC Adapter	ADP-001

# Multi-color LED Signal Tower

■ 100-240V AC

# LA6

■ 24V DC

Φ60 mm	LED	Indoor Use	Upright/Inverted Mounting	Ambient Temperature -25C~+60C
Luminous Color Multi-color (21 colors)	Continuous On	Blinking	Pulse	85dB
11 Alarm Sounds	CE	RoHS 10	UL*	FCC*
KC*	PSE (SA)	IP65	IP54 with Alarm	



\* 24V model only

\*1 Flashing available in Smart Mode

## Model Number Configuration

# LA6-5DLJWB-RYGBC



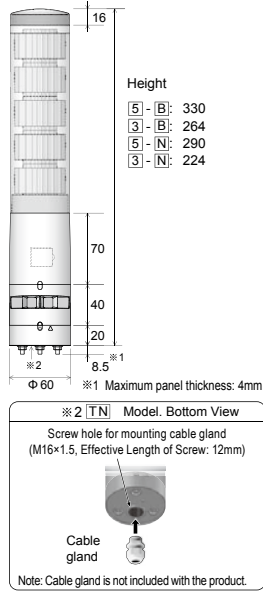
① Number of Tiers 3 = 3 tiers 5 = 5 tiers	② Rated Voltage A = 100~240V AC D = 24V DC	③ Mounting / Wiring TN = Direct mount / Screwless Terminal LJ = Steel pole + L-bracket / Cable WJ = Direct mount / Cable	④ Body Color W = Off-white U = Silver	⑤ Flashing / Buzzer B = Flashing / Buzzer N = No flashing / No buzzer	⑥ Luminous Color* RYG = 3 tiers RYGBC = 5 tiers
---	--	---	---	---	---

\* Colors for each tier can be changed after purchase.  
\* LJ type not available in U (silver) body.  
\* 100-240V AC type available for LA6-5AWJWB-RYGBC only.

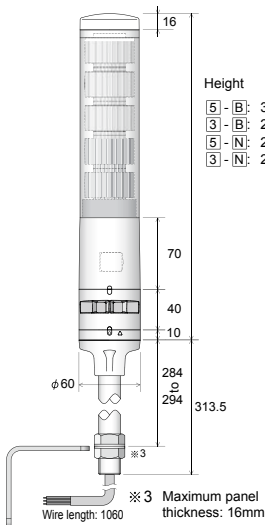
\* Initial factory setting. Other colors can be set after purchase.

## Dimensions (mm)

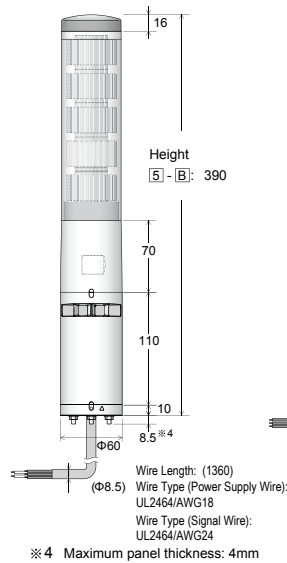
■ **TN** Direct mount, Terminal block



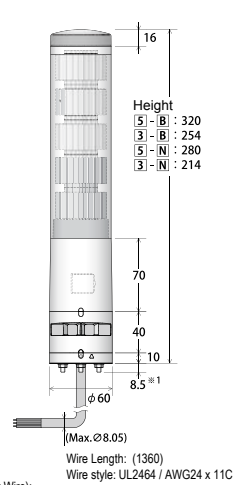
■ **LJ** Steel pole, L-bracket, Cable



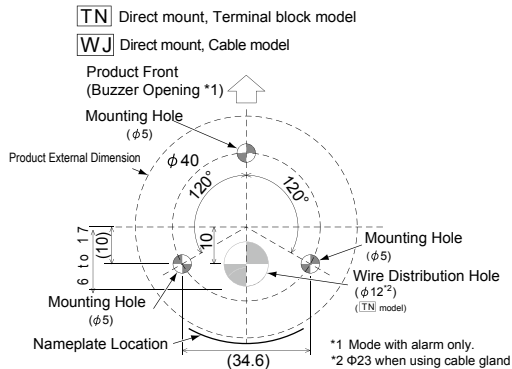
■ **WJ** Direct mount, Cable  
**A** AC 100 - 240V AC model



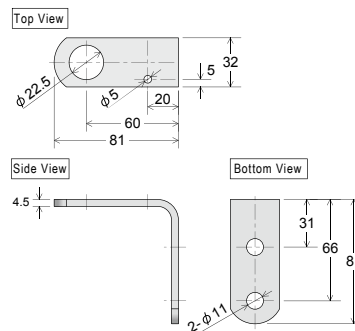
■ **WJ** Direct mount, Cable  
**D** 24V DC Type



### Installation Dimensional Drawing (mm)



### LJ L-Bracket dimensions (included with LJ pole mount model)



## Product List

Model Number	Number of Tiers	Rated Voltage	Mounting Type	Wiring	Function	Alarm	Body Color	Luminous Color	Power Consumption	Mass
LA6-3DWJWB-RYG	3	24V DC	Direct	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	4.5W	0.45kg
LA6-3DWJWN-RYG	3	24V DC	Direct	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	4.5W	0.40kg
LA6-3DWJUB-RYG	3	24V DC	Direct	Cable	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	4.5W	0.45kg
LA6-3DWJUN-RYG	3	24V DC	Direct	Cable	Continuous On	None	Silver	Multi-color (21 colors)	4.5W	0.45kg
LA6-3DTNWB-RYG	3	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	5.5W	0.48kg
LA6-3DTNWN-RYG	3	24V DC	Direct	Terminal block	Continuous On	None	Off-white	Multi-color (21 colors)	4.5W	0.42kg
LA6-3DTNWB-RYG	3	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	5.5W	0.48kg
LA6-3DTNUN-RYG	3	24V DC	Direct	Terminal block	Continuous On	None	Silver	Multi-color (21 colors)	4.5W	0.42kg
LA6-3DLJWB-RYG	3	24V DC	Pole with L-bracket	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	5.5W	0.98kg
LA6-3DLJWN-RYG	3	24V DC	Pole with L-bracket	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	4.5W	0.93kg
LA6-5DTNWB-RYGBC	5	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	8W	0.59kg
LA6-5DTNWN-RYGBC	5	24V DC	Direct	Terminal block	Continuous On	None	Off-white	Multi-color (21 colors)	7W	0.53kg
LA6-5DTNWB-RYGBC	5	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	8W	0.59kg
LA6-5DTNUN-RYGBC	5	24V DC	Direct	Terminal block	Continuous On	None	Silver	Multi-color (21 colors)	7W	0.53kg
LA6-5DWJWB-RYGBC	5	24V DC	Direct	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	8W	0.56kg
LA6-5DWJWN-RYGBC	5	24V DC	Direct	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	8W	0.51kg
LA6-5DWJUB-RYGBC	5	24V DC	Direct	Cable	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	8W	0.56kg
LA6-5DWJUN-RYGBC	5	24V DC	Direct	Cable	Continuous On	None	Silver	Multi-color (21 colors)	8W	0.51kg
LA6-5DLJWB-RYGBC	5	24V DC	Pole with L-bracket	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	8W	1.09kg
LA6-5DLJWN-RYGBC	5	24V DC	Pole with L-bracket	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	7W	1.04kg
LA6-5AWJWB-RYGBC	5	100 - 240V AC	Direct	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	7.5W	0.74kg

## Specification

<b>Supported Transistors</b>	D type (24V DC): NPN / PNP A type (100-240V AC): NPN
<b>Alarm Sound</b>	No.1: 2400Hz peak (continuous sound) No.2: 2400Hz Pippi (0.05sec on / 0.05sec silence) No.3: 2400Hz beeping (1.5sec on / 1.5sec silence) No.4: 2400Hz beep (0.5sec on / 0.5sec silence) No.5: 3600Hz peak (continuous sound) No.6: 3600Hz Pippi (0.05sec on / 0.05sec silence) No.7: 3600Hz beeping (1.5sec on / 1.5sec silence) No.8: 3600Hz beep (0.5sec on / 0.5sec silence) No.9: 2400Hz & 3375Hz Pipipippo (0.25sec/0.25sec) No.10: 2400Hz & 3600Hz (Pipopipo) (0.25sec/0.25sec) No.11: 4000Hz & 4800Hz Peepo (0.5sec/0.5sec)
<b>Volume Control</b>	Four settings with a push of a button (factory default set to max.)

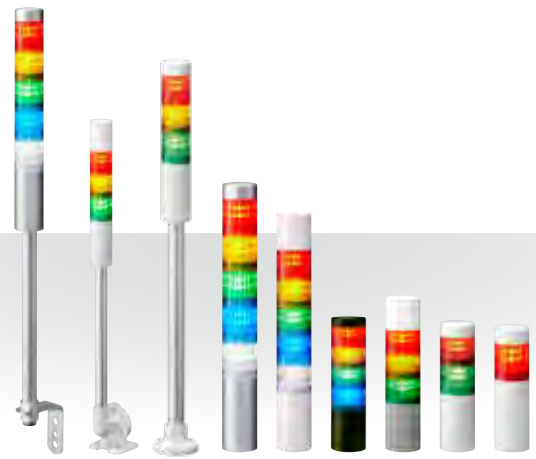
## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Mounting Assembly	SZ-70L
Pole Mounting Bracket	SZ-010
Pole Mounting Bracket	SZ-016A
Wall Mount Bracket	SZK-003W / U
Pole Upper Bracket (with Waterproof Ring and screws)	SZP-004W
Stationary Bracket	SZW-060W
Mounting Pole (100mm)	POLE-100A21+O0109
Mounting Pole (300mm)	POLE-300A21+O0109
Mounting Pole (800mm)	POLE-800A21+O0109

Signal Tower

# LR



Φ40 mm	Φ50 mm	Φ60 mm	Φ70 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -20°C~+45°C (ABS & AS)	Ambient Temperature -20°C~+50°C
Red, Amber, Green, Blue, White, Multi-color 7 colors	Change Number of Tiers	Continuous On	60 Flashes per Minute	85dB (LR4, LR5)	88dB (LR6)	90dB (LR7)	4 Alarm Sounds	
CE (Excluding M2LJ type)	RoHS 10	UL	FCC	KC (M2LJ)	IP65	IP54 (LJ Type)	NEMA TYPE 4X,13	

\*When using 12V DC: 80dB

## Model Number Configuration

### Φ40mm Model Code

LR4-502WJBW-RYGBCZ

Model ① ② ③ ④ ⑤ ⑥ ⑦

- |   |   |  |   |  |  |  |
|---|---|--|---|--|--|--|
| ① Tiers<br>1 = 1 tier<br>2 = 2 tiers<br>3 = 3 tiers<br>4 = 4 tiers<br>5 = 5 tiers | ② Rated Voltage<br>02 = 24V DC<br>M2 = 100-240V AC *1 | ③ Mounting/Wiring<br>WJ = Direct Mount/Cable<br>LJ = Pole Mount with L-bracket/Cable<br>PJ = Pole Mount with Circular Bracket/Cable<br>QJ = Pole Mount with Folding Bracket/Cable *2 | ④ Flashing/Buzzer<br>B = With Flashing/Buzzer<br>N = No Flashing/Buzzer | ⑤ Body Color<br>W = Off-white<br>U = Silver *3 | ⑥ Luminous Color<br>R = Red<br>Y = Amber<br>G = Green<br>B = Blue<br>C = White | ⑦ Lens Type<br>None = Colored<br>Z = Clear |
|---|---|--|---|--|--|--|

\*1 For WJ, LJ and PJ type only \*2 For 24V DC and Off-white type only \*3 For 24V DC type WJ, LJ and PJ type only

### Φ50mm Model Code

LR5-502WJBW-RYGBCZ

Model ① ② ③ ④ ⑤ ⑥ ⑦

- |   |   |   |   |                               |  |  |
|---|---|---|---|-------------------------------|--|--|
| ① Tiers<br>1 = 1 tier<br>2 = 2 tiers<br>3 = 3 tiers<br>4 = 4 tiers<br>5 = 5 tiers | ② Rated Voltage<br>01 = 12V DC<br>02 = 24V DC | ③ Mounting/Wiring<br>WJ = Direct Mount/Cable<br>LJ = Pole Mount with L-bracket/Cable<br>PJ = Pole Mount with Circular Bracket/Cable | ④ Flashing/Buzzer<br>B = With Flashing/Buzzer<br>N = No Flashing/Buzzer | ⑤ Body Color<br>W = Off-white | ⑥ Luminous Color<br>R = Red<br>Y = Amber<br>G = Green<br>B = Blue<br>C = White | ⑦ Lens Type<br>None = Colored<br>Z = Clear |
|---|---|---|---|-------------------------------|--|--|

### Φ60mm Model Code

LR6-502WJBW-RYGBCZ

Model ① ② ③ ④ ⑤ ⑥ ⑦

- |   |   |  |   |  |   |  |
|---|---|--|---|--|---|--|
| ① Tiers<br>1 = 1 tier<br>2 = 2 tiers<br>3 = 3 tiers<br>4 = 4 tiers<br>5 = 5 tiers | ② Rated Voltage<br>02 = 24V DC<br>M2 = 100-240V AC *1 | ③ Mounting/Wiring<br>WJ = Direct Mount/Cable<br>LJ = Pole Mount with L-bracket/Cable<br>PJ = Pole Mount with Circular Bracket/Cable<br>QJ = Pole Mount with Folding Bracket/Cable *2<br>WC = Direct Mount/M12 Connector *2 | ④ Flashing/Buzzer<br>B = With Flashing/Buzzer<br>N = No Flashing/Buzzer | ⑤ Body Color<br>W = Off-white<br>U = Silver *3 | ⑥ Luminous Color<br>R = Red<br>Y = Amber<br>G = Green<br>B = Blue<br>C = White<br>M = Multi Color | ⑦ Lens Type<br>None = Colored<br>Z = Clear |
|---|---|--|---|--|---|--|

\*1 For WJ, LJ and PJ type only \*2 For 24V DC and Off-white type only \*3 For 24V DC type WJ, LJ and PJ type only

### Φ70mm Model Code

LR7-502WJBW-RYGBC

Model ① ② ③ ④ ⑤ ⑥

- |   |                                |  |   |                               |  |
|---|--------------------------------|--|---|-------------------------------|--|
| ① Tiers<br>1 = 1 tier<br>2 = 2 tiers<br>3 = 3 tiers<br>4 = 4 tiers<br>5 = 5 tiers | ② Rated Voltage<br>02 = 24V DC | ③ Mounting/Wiring<br>WJ = Direct Mount/Cable | ④ Flashing/Buzzer<br>B = With Flashing/Buzzer<br>N = No Flashing/Buzzer | ⑤ Body Color<br>W = Off-white | ⑥ Luminous Color<br>R = Red<br>Y = Amber<br>G = Green<br>B = Blue<br>C = White |
|---|--------------------------------|--|---|-------------------------------|--|

LAN / USB / PoE / Wireless  
Signal Tower  
Beacons  
Cube Tower  
Audible Alarms and MP3 Voice Announciators  
Hybrid Signaling Devices  
LED Illumination  
Optional Parts

# Specification

<b>Supported Transistors</b>	NPN/PNP (Excluding M2 type)
<b>Alarm Sound</b>	4 patterns (switch by DIP switch) No.1: Intermittent sound (Pipipi) No.2: Continuous sound (pee) No.3: High and low tones No.4: Sweep sound (Hune) *It is possible to sound an alarm that turns on and off in 0.5 second cycles by shorting the buzzer and flashing common lines.
<b>Volume control</b>	Sound can be reduced by DIP switch

# Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Circular Bracket	SZW-001W
Wall Mount Bracket	SZK-002W/U/K
Wall Mount Bracket	SZK-003W/U/K
Wall Mount Bracket	SZK-004W
Circular Multi-mount Bracket	SZP-001W/U/K
1/2" NPT Bracket	SZP-090U
1/2" NPT Bracket	SZP-091U

Product Description	Model Number
Mounting Bracket	SZW-002W
Circular Bracket	SZP-002U
Folding Bracket	SZQ-001W
Circular Bracket	SZP-003W/U/K
L-Bracket	SZL-001
Wall Mount Bracket	SZK-001U















































# Product List Pre-Assembled Models

--- Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR4-102WJNW(U)-R/Y/G		Φ40	1	24V DC	Direct		Red/Amber/Green		1.3W	0.205kg
LR4-202WJNW(U)-RY/RG		Φ40	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.24kg
LR4-302WJNW(U)-RYG		Φ40	3	24V DC	Direct		Red, Amber, Green		3.9W	0.275kg
LR4-302WJNW-RYGZ		Φ40	3	24V DC	Direct		Red, Amber, Green	•	3.9W	0.275kg
LR4-402WJNW(U)-RYGB		Φ40	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.31kg
LR4-502WJNW(U)-RYGBC		Φ40	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.345kg
LR4-102WJBW(U)-R/Y/G		Φ40	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.24kg
LR4-202WJBW(U)-RY/RG		Φ40	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.275kg
LR4-302WJBW(U)-RYG		Φ40	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.31kg
LR4-302WJBW-RYGZ		Φ40	3	24V DC	Direct	✓	Red, Amber, Green	•	5.2W	0.31kg
LR4-402WJBW(U)-RYGB		Φ40	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.345kg
LR4-502WJBW(U)-RYGBC		Φ40	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.38kg
LR4-1M2WJNW-R/Y/G		Φ40	1	100 - 240V AC	Direct		Red / Amber / Green		1.8W	0.29kg
LR4-2M2WJNW-RY/RG		Φ40	2	100 - 240V AC	Direct		Red, Amber / Red, Green		3.6W	0.32kg
LR4-3M2WJNW-RYG		Φ40	3	100 - 240V AC	Direct		Red, Amber, Green		5.4W	0.355kg
LR4-4M2WJNW-RYGB		Φ40	4	100 - 240V AC	Direct		Red, Amber, Green, Blue		7.2W	0.39kg
LR4-5M2WJNW-RYGBC		Φ40	5	100 - 240V AC	Direct		Red, Amber, Green, Blue, White		9W	0.43kg
LR4-1M2WJBW-R/Y/G		Φ40	1	100 - 240V AC	Direct	✓	Red / Amber / Green		3.6W	0.32kg
LR4-2M2WJBW-RY/RG		Φ40	2	100 - 240V AC	Direct	✓	Red, Amber / Red, Green		5.4W	0.36kg
LR4-3M2WJBW-RYG		Φ40	3	100 - 240V AC	Direct	✓	Red, Amber, Green		7.2W	0.39kg
LR4-4M2WJBW-RYGB		Φ40	4	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue		9W	0.43kg
LR4-5M2WJBW-RYGBC		Φ40	5	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue, White		10.8W	0.46kg
LR5-101WJNW-R/Y/G		Φ50	1	12V DC	Direct		Red / Amber / Green		1.1W	0.24kg
LR5-201WJNW-RY/RG		Φ50	2	12V DC	Direct		Red, Amber / Red, Green		2.2W	0.28kg
LR5-301WJNW-RYG		Φ50	3	12V DC	Direct		Red, Amber, Green		3.3W	0.32kg
LR5-401WJNW-RYGB		Φ50	4	12V DC	Direct		Red, Amber, Green, Blue		4.4W	0.36kg
LR5-501WJNW-RYGBC		Φ50	5	12V DC	Direct		Red, Amber, Green, Blue, White		5.5W	0.4kg
LR5-101WJBW-R/Y/G		Φ50	1	12V DC	Direct	✓	Red / Amber / Green		2.3W	0.29kg
LR5-201WJBW-RY/RG		Φ50	2	12V DC	Direct	✓	Red, Amber / Red, Green		3.4W	0.33kg
LR5-301WJBW-RYG		Φ50	3	12V DC	Direct	✓	Red, Amber, Green		4.5W	0.37kg
LR5-401WJBW-RYGB		Φ50	4	12V DC	Direct	✓	Red, Amber, Green, Blue		5.6W	0.41kg
LR5-501WJBW-RYGBC		Φ50	5	12V DC	Direct	✓	Red, Amber, Green, Blue, White		6.7W	0.45kg
LR5-102WJNW-R/Y/G		Φ50	1	24V DC	Direct		Red / Amber / Green		1.3W	0.24kg
LR5-202WJNW-RY/RG		Φ50	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.28kg
LR5-302WJNW-RYG		Φ50	3	24V DC	Direct		Red, Amber, Green		3.9W	0.32kg

# Product List Pre-Assembled Models

 Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR5-402WJNW-RYGB		Φ50	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.36kg
LR5-502WJNW-RYGB		Φ50	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.4kg
LR5-102WJBW-R/Y/G		Φ50	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.29kg
LR5-202WJBW-RY/RG		Φ50	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.33kg
LR5-302WJBW-RYG		Φ50	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.37kg
LR5-402WJBW-RYGB		Φ50	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.41kg
LR5-502WJBW-RYGB		Φ50	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.45kg
LR6-102WJNW(U)-R/Y/G		Φ60	1	24V DC	Direct		Red / Amber / Green		1.3W	0.28kg
LR6-202WJNW(U)-RY/RG		Φ60	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.34kg
LR6-302WJNW(U)-RYG		Φ60	3	24V DC	Direct		Red, Amber, Green		3.9W	0.4kg
LR6-302WJNW(U)-RYGZ		Φ60	3	24V DC	Direct		Red, Amber, Green	•	3.9W	0.4kg
LR6-402WJNW(U)-RYGB		Φ60	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.46kg
LR6-502WJNW(U)-RYGB		Φ60	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.52kg
LR6-102WJBW(U)-R/Y/G		Φ60	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.34kg
LR6-202WJBW(U)-RY/RG		Φ60	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.4kg
LR6-302WJBW(U)-RYG		Φ60	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.46kg
LR6-402WJBW(U)-RYGB		Φ60	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.52kg
LR6-502WJBW(U)-RYGB		Φ60	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.58kg
LR6-1M2WJNW-R/Y/G		Φ60	1	100 - 240V AC	Direct		Red / Amber / Green		1.8W	0.38kg
LR6-2M2WJNW-RY/RG		Φ60	2	100 - 240V AC	Direct		Red, Amber / Red, Green		3.6W	0.44kg
LR6-3M2WJNW-RYG		Φ60	3	100 - 240V AC	Direct		Red, Amber, Green		5.4W	0.5kg
LR6-4M2WJNW-RYGB		Φ60	4	100 - 240V AC	Direct		Red, Amber, Green, Blue		7.2W	0.56kg
LR6-5M2WJNW-RYGB		Φ60	5	100 - 240V AC	Direct		Red, Amber, Green, Blue, White		9W	0.62kg
LR6-1M2WJBW-R/Y/G		Φ60	1	100 - 240V AC	Direct	✓	Red / Amber / Green		3.6W	0.44kg
LR6-2M2WJBW-RY/RG		Φ60	2	100 - 240V AC	Direct	✓	Red, Amber / Red, Green		5.4W	0.5kg
LR6-3M2WJBW-RYG		Φ60	3	100 - 240V AC	Direct	✓	Red, Amber, Green		7.2W	0.56kg
LR6-4M2WJBW-RYGB		Φ60	4	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue		9W	0.62kg
LR6-5M2WJBW-RYGB		Φ60	5	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue, White		10.8W	0.68kg
LR7-102WJNW-R/Y/G		Φ70	1	24V DC	Direct		Red / Amber / Green		1.3W	0.31kg
LR7-202WJNW-RY/RG		Φ70	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.37kg
LR7-302WJNW-RYG		Φ70	3	24V DC	Direct		Red, Amber, Green		3.9W	0.435kg
LR7-402WJNW-RYGB		Φ70	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.5kg
LR7-502WJNW-RYGB		Φ70	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.57kg
LR7-102WJBW-R/Y/G		Φ70	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.38kg
LR7-202WJBW-RY/RG		Φ70	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.44kg
LR7-302WJBW-RYG		Φ70	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.505kg
LR7-402WJBW-RYGB		Φ70	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.57kg
LR7-502WJBW-RYGB		Φ70	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.635kg
LR6-302WJBW-RYGZ		Φ60	3	24V DC	Direct	✓	Red, Amber, Green	•	5.2W	0.46kg
LR4-102LJNW(U)-R/Y/G		Φ40	1	24V DC	Pole with L-bracket		Red / Amber / Green		1.3W	0.495kg
LR4-202LJNW(U)-RY/RG		Φ40	2	24V DC	Pole with L-bracket		Red, Amber / Red, Green		2.6W	0.53kg
LR4-302LJNW(U)-RYG		Φ40	3	24V DC	Pole with L-bracket		Red, Amber, Green		3.9W	0.565kg
LR4-302LJNW-RYGZ		Φ40	3	24V DC	Pole with L-bracket		Red, Amber, Green	•	3.9W	0.565kg
LR4-402LJNW(U)-RYGB		Φ40	4	24V DC	Pole with L-bracket		Red, Amber, Green, Blue		5.2W	0.6kg
LR4-502LJNW(U)-RYGB		Φ40	5	24V DC	Pole with L-bracket		Red, Amber, Green, Blue, White		6.5W	0.635kg
LR4-102LJBW(U)-R/Y/G		Φ40	1	24V DC	Pole with L-bracket	✓	Red / Amber / Green		2.6W	0.53kg
LR4-202LJBW(U)-RY/RG		Φ40	2	24V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.9W	0.565kg
LR4-302LJBW(U)-RYG		Φ40	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green		5.2W	0.6kg
LR4-302LJBW-RYGZ		Φ40	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green	•	5.2W	0.6kg
LR4-402LJBW(U)-RYGB		Φ40	4	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		6.5W	0.635kg
LR4-502LJBW(U)-RYGB		Φ40	5	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.67kg
* LR4-1M2LJNW-R/Y/G		Φ40	1	100 - 240V AC	Pole with L-bracket		Red / Amber / Green		1.8W	0.575kg
* LR4-2M2LJNW-RY/RG		Φ40	2	100 - 240V AC	Pole with L-bracket		Red, Amber / Red, Green		3.6W	0.61kg
* LR4-3M2LJNW-RYG		Φ40	3	100 - 240V AC	Pole with L-bracket		Red, Amber, Green		5.4W	0.645kg
* LR4-4M2LJNW-RYGB		Φ40	4	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue		7.2W	0.68kg
* LR4-5M2LJNW-RYGB		Φ40	5	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue, White		9W	0.715kg

# Product List Pre-Assembled Models

Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
* LR4-1M2LJBW-R/Y/G	☑	Φ40	1	100 - 240V AC	Pole with L-bracket	✓	Red / Amber / Green		3.6W	0.61kg
* LR4-2M2LJBW-RY/RG	☑	Φ40	2	100 - 240V AC	Pole with L-bracket	✓	Red, Amber / Red, Green		5.4W	0.645kg
* LR4-3M2LJBW-RYG	☑	Φ40	3	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green		7.2W	0.68kg
* LR4-4M2LJBW-RYGB	☑	Φ40	4	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue		9W	0.715kg
* LR4-5M2LJBW-RYGBC	☑	Φ40	5	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.75kg
LR5-101LJNW-R/Y/G	☑	Φ50	1	12V DC	Pole with L-bracket		Red / Amber / Green		1.1W	0.53kg
LR5-201LJNW-RY/RG	☑	Φ50	2	12V DC	Pole with L-bracket		Red, Amber / Red, Green		2.2W	0.57kg
LR5-301LJNW-RYG	☑	Φ50	3	12V DC	Pole with L-bracket		Red, Amber, Green		3.3W	0.61kg
LR5-401LJNW-RYGB	☑	Φ50	4	12V DC	Pole with L-bracket		Red, Amber, Green, Blue		4.4W	0.65kg
LR5-501LJNW-RYGBC	☑	Φ50	5	12V DC	Pole with L-bracket		Red, Amber, Green, Blue, White		5.5W	0.69kg
LR5-101LJBW-R/Y/G	☑	Φ50	1	12V DC	Pole with L-bracket	✓	Red / Amber / Green		2.3W	0.58kg
LR5-201LJBW-RY/RG	☑	Φ50	2	12V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.4W	0.57kg
LR5-301LJBW-RYG	☑	Φ50	3	12V DC	Pole with L-bracket	✓	Red, Amber, Green		4.5W	0.66kg
LR5-401LJBW-RYGB	☑	Φ50	4	12V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		5.6W	0.65kg
LR5-501LJBW-RYGBC	☑	Φ50	5	12V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		6.7W	0.74kg
LR5-102LJNW-R/Y/G	☑	Φ50	1	24V DC	Pole with L-bracket		Red / Amber / Green		1.3W	0.53kg
LR5-202LJNW-RY/RG	☑	Φ50	2	24V DC	Pole with L-bracket		Red, Amber / Red, Green		2.6W	0.57kg
LR5-302LJNW-RYG	☑	Φ50	3	24V DC	Pole with L-bracket		Red, Amber, Green		3.9W	0.61kg
LR5-402LJNW-RYGB	☑	Φ50	4	24V DC	Pole with L-bracket		Red, Amber, Green, Blue		5.2W	0.65kg
LR5-502LJNW-RYGBC	☑	Φ50	5	24V DC	Pole with L-bracket		Red · Amber · Green · Blue · White		6.5W	0.69kg
LR5-102LJBW-R/Y/G	☑	Φ50	1	24V DC	Pole with L-bracket	✓	Red / Amber / Green		2.6W	0.58kg
LR5-202LJBW-RY/RG	☑	Φ50	2	24V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.9W	0.62kg
LR5-302LJBW-RYG	☑	Φ50	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green		5.2W	0.66kg
LR5-402LJBW-RYGB	☑	Φ50	4	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		6.5W	0.7kg
LR5-502LJBW-RYGBC	☑	Φ50	5	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.74kg
LR6-102LJNW(U)-R/Y/G	☑	Φ60	1	24V DC	Pole with L-bracket		Red / Amber / Green		1.3W	0.56kg
LR6-202LJNW(U)-RY/RG	☑	Φ60	2	24V DC	Pole with L-bracket		Red, Amber / Red, Green		2.6W	0.62kg
LR6-302LJNW(U)-RYG	☑	Φ60	3	24V DC	Pole with L-bracket		Red, Amber, Green		3.9W	0.68kg
LR6-302LJNW(U)-RYGZ	☑	Φ60	3	24V DC	Pole with L-bracket		Red, Amber, Green	•	3.9W	0.68kg
LR6-402LJNW(U)-RYGB	☑	Φ60	4	24V DC	Pole with L-bracket		Red, Amber, Green, Blue		5.2W	0.74kg
LR6-502LJNW(U)-RYGBC	☑	Φ60	5	24V DC	Pole with L-bracket		Red, Amber, Green, Blue, White		6.5W	0.8kg
LR6-102LJBW(U)-R/Y/G	☑	Φ60	1	24V DC	Pole with L-bracket	✓	Red / Amber / Green		2.6W	0.62kg
LR6-202LJBW(U)-RY/RG	☑	Φ60	2	24V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.9W	0.68kg
LR6-302LJBW(U)-RYG	☑	Φ60	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green		5.2W	0.74kg
LR6-302LJBW(U)-RYGZ	☑	Φ60	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green	•	5.2W	0.74kg
LR6-402LJBW(U)-RYGB	☑	Φ60	4	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		6.5W	0.8kg
LR6-502LJBW(U)-RYGBC	☑	Φ60	5	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.86kg
* LR6-1M2LJNW-R/Y/G	☑	Φ60	1	100 - 240V AC	Pole with L-bracket		Red / Amber / Green		1.8W	0.66kg
* LR6-2M2LJNW-RY/RG	☑	Φ60	2	100 - 240V AC	Pole with L-bracket		Red, Amber / Red, Green		3.6W	0.72kg
* LR6-3M2LJNW-RYG	☑	Φ60	3	100 - 240V AC	Pole with L-bracket		Red, Amber, Green		5.4W	0.78kg
* LR6-4M2LJNW-RYGB	☑	Φ60	4	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue		7.2W	0.84kg
* LR6-5M2LJNW-RYGBC	☑	Φ60	5	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue, White		9W	0.9kg
* LR6-1M2LJBW-R/Y/G	☑	Φ60	1	100 - 240V AC	Pole with L-bracket	✓	Red / Amber / Green		3.6W	0.72kg
* LR6-2M2LJBW-RY/RG	☑	Φ60	2	100 - 240V AC	Pole with L-bracket	✓	Red, Amber / Red, Green		5.4W	0.78kg
* LR6-3M2LJBW-RYG	☑	Φ60	3	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green		7.2W	0.84kg
* LR6-4M2LJBW-RYGB	☑	Φ60	4	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue		9W	0.9kg
* LR6-5M2LJBW-RYGBC	☑	Φ60	5	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.96kg
LR4-102PJNW(U)-R/Y/G		Φ40	1	24V DC	Pole with Circular Bracket		Red / Amber / Green		1.3W	0.395kg
LR4-202PJNW(U)-RY/RG		Φ40	2	24V DC	Pole with Circular Bracket		Red, Amber / Red, Green		2.6W	0.43kg
LR4-302PJNW(U)-RYG		Φ40	3	24V DC	Pole with Circular Bracket		Red, Amber, Green		3.9W	0.465kg
LR4-402PJNW(U)-RYGB		Φ40	4	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue		5.2W	0.5kg
LR4-502PJNW(U)-RYGBC		Φ40	5	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		6.5W	0.535kg
LR4-102PJBW(U)-R/Y/G		Φ40	1	24V DC	Pole with Circular Bracket	✓	Red / Amber / Green		2.6W	0.43kg

\* Not suitable for KC (KN 61000-6-4, KN 61000-6-2) and Low Voltage Directive (TEC / EN 60947-5-1, EN 62471).

# Product List Pre-Assembled Models

 ...Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR4-202PJBW(U)-RY/RG		Φ40	2	24V DC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		3.9W	0.465kg
LR4-302PJBW(U)-RYG		Φ40	3	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green		5.2W	0.5kg
LR4-402PJBW(U)-RYGB		Φ40	4	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		6.5W	0.535kg
LR4-502PJBW(U)-RYGBC		Φ40	5	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.57kg
LR4-1M2PJNW-R/Y/G		Φ40	1	100 - 240V AC	Pole with Circular Bracket		Red / Amber / Green		1.8W	0.48kg
LR4-2M2PJNW-RY/RG		Φ40	2	100 - 240V AC	Pole with Circular Bracket		Red, Amber / Red, Green		3.6W	0.51kg
LR4-3M2PJNW-RYG		Φ40	3	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green		5.4W	0.545kg
LR4-4M2PJNW-RYGB		Φ40	4	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue		7.2W	0.58kg
LR4-5M2PJNW-RYGBC		Φ40	5	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		9W	0.62kg
LR4-1M2PJBW-R/Y/G		Φ40	1	100 - 240V AC	Pole with Circular Bracket	✓	Red / Amber / Green		3.6W	0.51kg
LR4-2M2PJBW-RY/RG		Φ40	2	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		5.4W	0.55kg
LR4-3M2PJBW-RYG		Φ40	3	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green		7.2W	0.58kg
LR4-4M2PJBW-RYGB		Φ40	4	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		9W	0.62kg
LR4-5M2PJBW-RYGBC		Φ40	5	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.65kg
LR5-101PJNW-R/Y/G		Φ50	1	12V DC	Pole with Circular Bracket		Red / Amber / Green		1.1W	0.42kg
LR5-201PJNW-RY/RG		Φ50	2	12V DC	Pole with Circular Bracket		Red, Amber / Red, Green		2.2W	0.46kg
LR5-301PJNW-RYG		Φ50	3	12V DC	Pole with Circular Bracket		Red, Amber, Green		3.3W	0.5kg
LR5-401PJNW-RYGB		Φ50	4	12V DC	Pole with Circular Bracket		Red, Amber, Green, Blue		4.4W	0.54kg
LR5-501PJNW-RYGBC		Φ50	5	12V DC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		5.5W	0.58kg
LR5-101PJBW-R/Y/G		Φ50	1	12V DC	Pole with Circular Bracket	✓	Red / Amber / Green		2.3W	0.47kg
LR5-201PJBW-RY/RG		Φ50	2	12V DC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		3.4W	0.51kg
LR5-301PJBW-RYG		Φ50	3	12V DC	Pole with Circular Bracket	✓	Red, Amber, Green		4.5W	0.55kg
LR5-401PJBW-RYGB		Φ50	4	12V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		5.6W	0.59kg
LR5-501PJBW-RYGBC		Φ50	5	12V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		6.7W	0.63kg
LR5-102PJNW-R/Y/G		Φ50	1	24V DC	Pole with Circular Bracket		Red/Amber/Green		1.3W	0.42kg
LR5-202PJNW-RY/RG		Φ50	2	24V DC	Pole with Circular Bracket		Red, Amber, red, and green		2.6W	0.46kg
LR5-302PJNW-RYG		Φ50	3	24V DC	Pole with Circular Bracket		Red · Amber · Green		3.9W	0.5kg
LR5-402PJNW-RYGB		Φ50	4	24V DC	Pole with Circular Bracket		Red · Amber · Green · Blue		5.2W	0.54kg
LR5-502PJNW-RYGBC		Φ50	5	24V DC	Pole with Circular Bracket		Red · Amber · Green · Blue · White		6.5W	0.58kg
LR5-102PJBW-R/Y/G		Φ50	1	24V DC	Pole with Circular Bracket	✓	Red/Amber/Green		2.6W	0.47kg
LR5-202PJBW-RY/RG		Φ50	2	24V DC	Pole with Circular Bracket	✓	Red, Amber, red, and green		3.9W	0.51kg
LR5-302PJBW-RYG		Φ50	3	24V DC	Pole with Circular Bracket	✓	Red · Amber · Green		5.2W	0.55kg
LR5-402PJBW-RYGB		Φ50	4	24V DC	Pole with Circular Bracket	✓	Red · Amber · Green · Blue		6.5W	0.59kg
LR5-502PJBW-RYGBC		Φ50	5	24V DC	Pole with Circular Bracket	✓	Red · Amber · Green · Blue · White		7.8W	0.63kg
LR6-102PJNW-R/Y/G		Φ60	1	24V DC	Pole with Circular Bracket		Red / Amber / Green		1.3W	0.46kg
LR6-202PJNW-RY/RG		Φ60	2	24V DC	Pole with Circular Bracket		Red, Amber / Red, Green		2.6W	0.52kg
LR6-302PJNW-RYG		Φ60	3	24V DC	Pole with Circular Bracket		Red, Amber, Green		3.9W	0.58kg
LR6-402PJNW-RYGB		Φ60	4	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue		5.2W	0.64kg
LR6-502PJNW-RYGBC		Φ60	5	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		6.5W	0.7kg
LR6-102PJBW-R/Y/G		Φ60	1	24V DC	Pole with Circular Bracket	✓	Red / Amber / Green		2.6W	0.52kg
LR6-202PJBW-RY/RG		Φ60	2	24V DC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		3.9W	0.58kg
LR6-302PJBW-RYG		Φ60	3	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green		5.2W	0.64kg
LR6-402PJBW-RYGB		Φ60	4	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		6.5W	0.7kg
LR6-502PJBW-RYGBC		Φ60	5	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.76kg

\* Not suitable for KC (KN 61000-6-4, KN 61000-6-2) and Low Voltage Directive (TEC / EN 60947-5-1, EN 62471).



Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR6-1M2PJNW-R/Y/G		Φ60	1	100 - 240V AC	Pole with Circular Bracket		Red / Amber / Green		1.8W	0.56kg
LR6-2M2PJNW-RY/RG		Φ60	2	100 - 240V AC	Pole with Circular Bracket		Red, Amber / Red, Green		3.6W	0.62kg
LR6-3M2PJNW-RYG		Φ60	3	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green		5.4W	0.68kg
LR6-4M2PJNW-RYGB		Φ60	4	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue		7.2W	0.74kg
LR6-5M2PJNW-RYGBC		Φ60	5	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		9W	0.8kg
LR6-1M2PJBW-R/Y/G		Φ60	1	100 - 240V AC	Pole with Circular Bracket	✓	Red / Amber / Green		3.6W	0.62kg
LR6-2M2PJBW-RY/RG		Φ60	2	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		5.4W	0.68kg
LR6-3M2PJBW-RYG		Φ60	3	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green		7.2W	0.74kg
LR6-4M2PJBW-RYGB		Φ60	4	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		9W	0.8kg
LR6-5M2PJBW-RYGBC		Φ60	5	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.86kg
LR6-302PJNW-RYGZ		Φ60	3	24V DC	Pole with Circular Bracket		Red, Amber, Green	•	3.9W	0.58kg
LR6-302PJBW-RYGZ		Φ60	3	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green	•	5.2W	0.64kg
LR4-102QJNW-R/Y/G		Φ40	1	24V DC	Pole with Folding Bracket		Red / Amber / Green		1.3W	0.455kg
LR4-202QJNW-RY/RG		Φ40	2	24V DC	Pole with Folding Bracket		Red, Amber / Red, Green		2.6W	0.49kg
LR4-302QJNW-RYG		Φ40	3	24V DC	Pole with Folding Bracket		Red, Amber, Green		3.9W	0.525kg
LR4-402QJNW-RYGB		Φ40	4	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue		5.2W	0.56kg
LR4-502QJNW-RYGBC		Φ40	5	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue, White		6.5W	0.595kg
LR4-102QJBW-R/Y/G		Φ40	1	24V DC	Pole with Folding Bracket	✓	Red / Amber / Green		2.6W	0.49kg
LR4-202QJBW-RY/RG		Φ40	2	24V DC	Pole with Folding Bracket	✓	Red, Amber / Red, Green		3.9W	0.525kg
LR4-302QJBW-RYG		Φ40	3	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green		5.2W	0.56kg
LR4-402QJBW-RYGB		Φ40	4	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue		6.5W	0.595kg
LR4-502QJBW-RYGBC		Φ40	5	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.63kg
LR6-102QJNW-R/Y/G		Φ60	1	24V DC	Pole with Folding Bracket		Red / Amber / Green		1.3W	0.52kg
LR6-202QJNW-RY/RG		Φ60	2	24V DC	Pole with Folding Bracket		Red, Amber / Red, Green		2.6W	0.58kg
LR6-302QJNW-RYG		Φ60	3	24V DC	Pole with Folding Bracket		Red, Amber, Green		3.9W	0.64kg
LR6-402QJNW-RYGB		Φ60	4	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue		5.2W	0.7kg
LR6-502QJNW-RYGBC		Φ60	5	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue, White		6.5W	0.76kg
LR6-102QJBW-R/Y/G		Φ60	1	24V DC	Pole with Folding Bracket	✓	Red / Amber / Green		2.6W	0.58kg
LR6-202QJBW-RY/RG		Φ60	2	24V DC	Pole with Folding Bracket	✓	Red, Amber / Red, Green		3.9W	0.64kg
LR6-302QJBW-RYG		Φ60	3	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green		5.2W	0.7kg
LR6-402QJBW-RYGB		Φ60	4	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue		6.5W	0.76kg
LR6-502QJBW-RYGBC		Φ60	5	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.82kg
LR6-302WCNW-RYG		Φ60	3	24V DC	Multi-mount / M12 Connector	✓	Red, Amber, Green		3.0W	0.35kg

## Select Alarm Unit for Flashing / Alarm Function



LR4~7

Φ40~70

Model Number	Size (mm)	Mass
LR4-BW/U	Φ40	0.035kg
LR5-BW/U/K	Φ50	0.05kg
LR5-BW+B0960	Φ50	0.05kg
LR6-BW/U	Φ60	0.06kg
LR6-BW+B0960	Φ60	0.06kg
LR7-BW/U/K	Φ70	0.07kg

## Select LED Unit(s)



LR4~7

Φ40~70

Model Number	Size (mm)	Luminous Color	Clear Lens	Mass
LR4-E-R/Y/G/B/C	Φ40	Red/ Amber /Green/Blue/White		0.035kg
LR4-E-RZ/YZ/GZ/BZ	Φ40	Red/ Amber/Green/Blue	•	0.035kg
LR5-E-R/Y/G/B/C	Φ50	Red/ Amber /Green/Blue/White		0.04kg
LR6-E-R/Y/G/B/C	Φ60	Red/ Amber /Green/Blue/White		0.04kg
LR6-E-RZ/YZ/GZ/BZ	Φ60	Red/ Amber/Green/Blue	•	0.06kg
LR6-E-MZ	Φ60	Multi-color 7 colors	•	0.06kg
LR7-E-R/Y/G/B/C	Φ70	Red/ Amber /Green/Blue/White		0.065kg
LR4-E-R/Y/G/B/C-A	Φ40	Red/ Amber /Green/Blue/White		0.035kg

## Select Body Unit

Model Number	Size (mm)	Rated Voltage	Mounting	Wiring	Mass
LR4-02WJNW(U)	Φ40	24V DC	Direct	Cable	0.17kg
LR4-M2WJNW	Φ40	100~240V AC	Direct	Cable	0.25kg
LR5-01WJNW	Φ50	12V DC	Direct	Cable	0.2kg
LR5-02WJNW	Φ50	24V DC	Direct	Cable	0.2kg
LR6-02WJNW(U)	Φ60	24V DC	Direct	Cable	0.22kg
LR6-M2WJNW	Φ60	100~240V AC	Direct	Cable	0.32kg
LR7-02WJNW	Φ70	24V DC	Direct	Cable	0.24kg
LR5-02WTNW(U)(K)	Φ50	24V DC	Direct	Screwless Terminal Block	0.10kg
LR7-02WTNW(U)(K)	Φ70	24V DC	Direct	Screwless Terminal Block	0.15kg
LR5-02KTNW(U)(K)	Φ50	24V DC	Dual-mount with knockout holes	Screwless Terminal Block	0.10kg
LR7-02KTNW(U)(K)	Φ70	24V DC	Dual-mount with knockout holes	Screwless Terminal Block	0.15kg
LR4-02LJNW(U)	Φ40	24V DC	Pole with L-bracket	Cable	0.46kg
LR4-M2LJNW	Φ40	100~240V AC	Pole with L-bracket	Cable	0.54kg
LR5-01LJNW	Φ50	12V DC	Pole with L-bracket	Cable	0.49kg
LR5-02LJNW	Φ50	24V DC	Pole with L-bracket	Cable	0.49kg

# LR6-02WJNW



- ① Size  
4 =  $\phi$ 40  
5 =  $\phi$ 50  
6 =  $\phi$ 60  
7 =  $\phi$ 70
- ② Rated Voltage  
01 = 12V DC\*<sup>1</sup>  
02 = 24V DC  
M2 = 100 - 240V AC\*<sup>2</sup>
- ③ Mounting/Wiring  
WJ = Direct Mount/Cable  
WT = Direct Mount/Terminal\*<sup>3</sup>  
KT = Knock-outs Mount/Terminal\*<sup>3</sup>  
WC = Direct Mount/M12 Connector\*<sup>4</sup>  
LJ = Pole Mount with L-bracket/Cable\*<sup>5</sup>  
PJ = Pole Mount with Circular Bracket/Cable\*<sup>5</sup>  
QJ = Pole Mount with Folding Bracket/Cable\*<sup>6</sup>
- ④ Flashing/Buzzer  
N = No Flashing/Buzzer
- ⑤ Body Color  
W = Off-white  
U = Silver  
K = Black<sup>7</sup>

\*1. For LR5 models only  
\*2. For LR4 and LR6 models with WJ, LJ, and PJ mounting  
\*3. For LR5, LR7 24V DC models only  
\*4. For LR6 24V DC models only  
\*5. For LR4, LR5 and LR6 models  
\*6. For LR4 and LR6 models with 24V DC, Off-white body only  
\*7. For LR5, LR7 models only

## 3 Easy Steps

**1** Remove the Head Cover to setup the Body Unit



**2** Attach from bottom to top, one LED Unit at a time to the Body Unit



**3** Reattach the Head Cover or attach the Alarm Unit



## Setup Video

Scan the QR code to see how easy the LR is to configure.

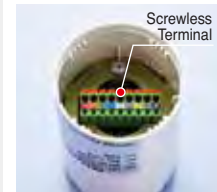


Model Number	Size (mm)	Rated Voltage	Mounting	Wiring	Mass
LR6-02LJNW(U)	$\phi$ 60	24V DC	Pole with L-bracket	Cable	0.5kg
LR6-M2LJNW	$\phi$ 60	100~240V AC	Pole with L-bracket	Cable	0.6kg
LR4-02PJNW(U)	$\phi$ 40	24V DC	Pole with Circular Bracket	Cable	0.36kg
LR4-M2PJNW	$\phi$ 40	100~240V AC	Pole with Circular Bracket	Cable	0.44kg
LR5-01PJNW	$\phi$ 50	12V DC	Pole with Circular Bracket	Cable	0.38kg
LR5-02PJNW	$\phi$ 50	24V DC	Pole with Circular Bracket	Cable	0.38kg
LR6-02PJNW(U)	$\phi$ 60	24V DC	Pole with Circular Bracket	Cable	0.4kg
LR6-M2PJNW	$\phi$ 60	100~240V AC	Pole with Circular Bracket	Cable	0.5kg
LR6-M2PJNA	$\phi$ 60	100~240V AC	Pole with Circular Bracket	Cable	0.5kg
LR4-02QJNW	$\phi$ 40	24V DC	Pole with Folding Bracket	Cable	0.42kg
LR6-02QJNW	$\phi$ 60	24V DC	Pole with Folding Bracket	Cable	0.46kg
LR6-02WCNW	$\phi$ 60	24V DC	Multiple	M12 Connector	0.17kg

### Removable Screwless Terminal



New removable terminal for easy wiring.

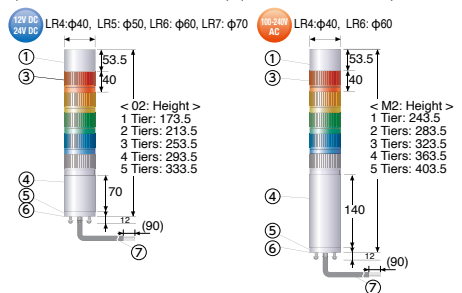


Terminal Block can be removed



# Outer Dimensional Drawing (Unit: mm)

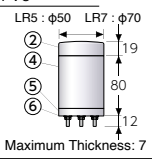
**Mount A** [WJ] Direct Mount/Cable (01: 12V DC / 02: 24V DC) (M2: 100-240V AC)



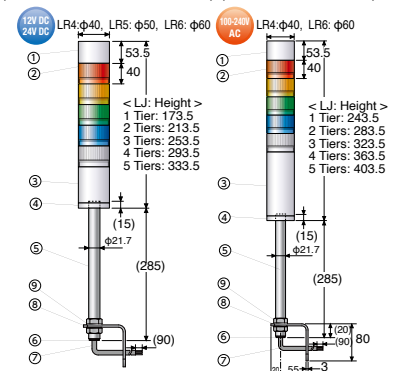
Panel Thickness: 7mm max  
Cable Length: (1300)  
U type: (3300)  
Cable Diameter:  $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	Head Cover	PC
③	LED Unit	Lens: PC
④	Body	PC
⑤	Direct Mount Bracket	PC
⑥	Waterproof Packing	Silicone Rubber
⑦	Cable	PVC

**Mount A** [WT] Direct Mount/ Screwless Terminal (Body Unit)



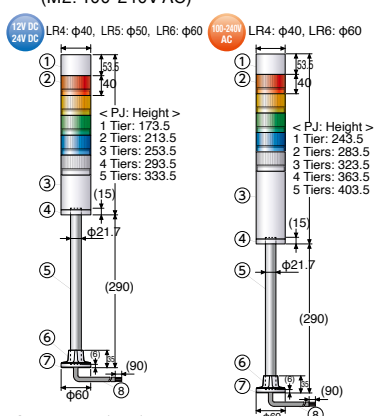
**Mount B** [LJ] Pole Mount with L-bracket & Cable (01: 12V DC / 02: 24V DC) (M2: 100-240V AC)



Cable Length: (1000)  
U type: (3000)  
Cable Diameter:  $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Pole Bracket	PC
⑤	Pole	AL
⑥	Rubber Bushing	EPR Rubber
⑦	Cable	PVC
⑧	L-bracket	Steel
⑨	Hexagon Nut M22	SUM

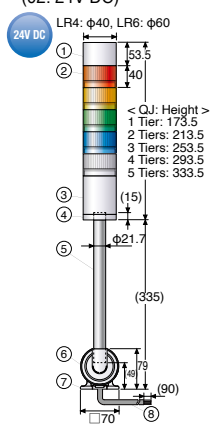
**Mount A** [PJ] Pole Mount with Circular Bracket & Cable (01: 12V DC / 02: 24V DC) (M2: 100-240V AC)



Cable Length: (1000)  
U type: (3000)  
Cable Diameter:  $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Pole Bracket	PC
⑤	Pole	AL
⑥	Circular Bracket	PC
⑦	Waterproof Packing	Silicon Rubber
⑧	Cable	PVC

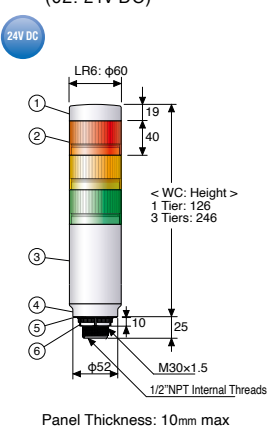
**Mount C** [QJ] Pole Mount with Folding Bracket & Cable (02: 24V DC)



Cable Length: (950)  
Cable Diameter:  $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Pole Bracket	PC
⑤	Pole	AL
⑥	Folding Bracket	PC
⑦	Waterproof Packing	CR
⑧	Cable	PVC

**Mount D** [WC] Direct Mount with M12 Connector (02: 24V DC)



Panel Thickness: 10mm max

No.	Description	Material
①	Head Cover	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Direct Mount Bracket	PC
⑤	Waterproof Packing	Silicone Rubber
⑥	M30 Nut	PC

# Mounting Dimensions (Unit: mm)

**Mount A** Mounting Diagram [WJ] / [PJ] / [WT] / [KT]

Mounting Holes x3	Nut/Screw	(*) [KT] Direct Mount when using accessory
LR4/S-WJ	$\Phi 4$ M3	LR4/S-WJ
LR5-WT/KT*		LR5-WT/KT*
LR4/S/PJ		LR4/S/PJ
LR6/7-WJ	$\Phi 5$ M4	LR6/7-WJ
LR7-WT/KT*		LR7-WT/KT*

**Mount B** Mounting Diagram [LJ]

① Drill mounting and wire distribution holes. For [KT] models select one of the two mounting options.













② Feed wires through appropriate holes.

③ Secure product with bolts and nuts. (Bolts and nuts are separate purchase)

**Mount C** Mounting Diagram [QJ]

**Mount D** Mounting Dimensional Drawing (M30 x 1.5 Installation)

## Optional Parts and Poles

	Model Number	Corresponding Model			
		LR4	LR5	LR6	LR7
	<b>SZP-001W[U][K]</b>	PJ, QJ	PJ, KT *1	PJ, QJ	KT *1
	<b>SZP-002U</b>	PJ, QJ	PJ, KT *1	PJ, QJ	KT *1
	<b>SZP-003W[U][K]</b>	PJ, QJ	PJ, KT *1	PJ, QJ	KT *1
	<b>SZP-090U</b>	WJ	WJ, WT, KT *2	-	-
	<b>SZP-091U</b>	-	-	WJ	WJ, WT, KT *2
	<b>SZL-001</b>	LJ	LJ, KT *1	LJ	LJ, KT *1
	<b>SZQ-001W</b>	PJ, QJ	PJ, KT *1	PJ, QJ	KT *1
	<b>SZK-001U</b>	LJ, PJ, QJ	LJ, PJ, KT *1	LJ, PJ, QJ	KT *1
	<b>SZK-002W[U][K]</b>	WJ	WJ, WT, KT *2	-	-
	<b>SZK-003W[U][K]</b>	-	-	WJ	WJ, WT, KT *2
	<b>SZK-004W</b>	-	-	WJ	WJ, WT, KT *2
	<b>SZW-001W</b>	WJ	WJ, WT, KT *2	WJ	-




\*1 Required pole and pole waterproof ring are not included with KT. \*2 KT Direct Mount (Using accessory)

## Aluminum Poles

Aluminum Poles (2 self-tapping screws included)

\*Do not cut pole with a pole cutter. Use a fret saw, power saw, or jigsaw.

\*To convert from direct mount to pole mount, be sure to purchase the appropriate bracket and pole combination to make the change.

Pole Type	Model Number	SZP-001W	SZP-002U	SZP-003W	SZQ-001W	SZK-001U	SZL-001
 AN Type  ANK Type	<b>POLE22-0100AN[K] 100mm</b>	○	○	○	○	○	×
	<b>POLE22-0300AN[K] 300mm</b>	○	○	○	○	○	×
	<b>POLE22-0500AN 500mm</b>	×	○	×	×	○	×
	<b>POLE22-0800AN[K] 800mm</b>	×	○	×	×	○	×
	<b>POLE22-1000AN 1000mm</b>	×	○	×	×	○	×
 T Type Nuts Incl.	<b>POLE22-0100AT 100mm</b>	×	×	×	×	○	○
	<b>POLE22-0300AT 300mm</b>	×	×	×	×	○	○
	<b>POLE22-0500AT 500mm</b>	×	×	×	×	○	○
	<b>POLE22-0800AT 800mm</b>	×	×	×	×	○	○
	<b>POLE22-1000AT 1000mm</b>	×	×	×	×	○	○

# Conversion Brackets



SZW-940U



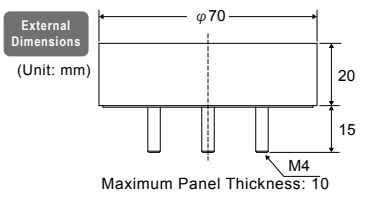
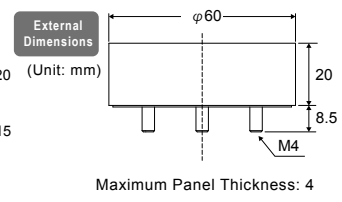
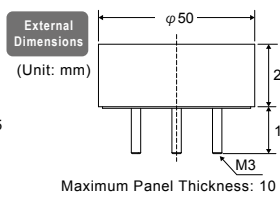
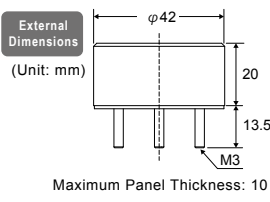
SZW-950U



SZW-960U



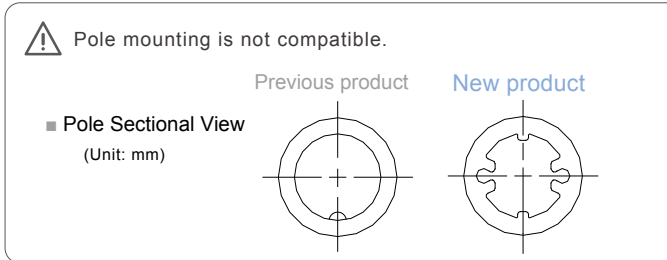
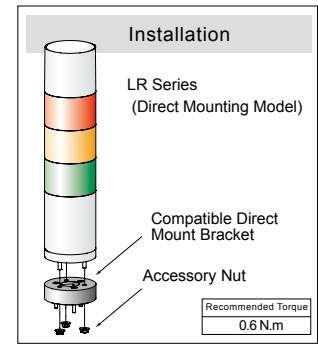
SZW-970U



The Conversion Brackets allow you to install the LR Series Signal Towers using pre-existing mounting holes from previous models.

Model Number	
SZW-940U	Nut with Flange (M3) x 3
SZW-950U	
SZW-960U	Nut with Flange (M4) x 3
SZW-970U	

Model Number	Size (mm)	Corresponding Models	
		Previous	New
<b>SZW-940U</b>	Φ40	LCE-W LCE-AW	LR4-WJ
<b>SZW-950U</b>	Φ50	LE-W LES-AW LU5	LR5-WJ LR5-WT
<b>SZW-960U</b>	Φ60	LME-W	LR6-WJ
<b>SZW-970U</b>	Φ70	LHE LU7	LR7-WJ LR7-WT



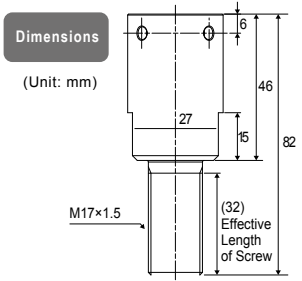
	Type	Material	Pole Diameter
Previous product	LCE-A, LCS	Steel	Φ17.3
	LE, LES	Steel	Φ17.3
	LU5	-	-
	LME, LMS	L: Steel, P: Aluminum	Φ21.7
	LHE	-	-
New product	LU7	-	-
	LR	Aluminum	Φ21.7

# Pole Adapter

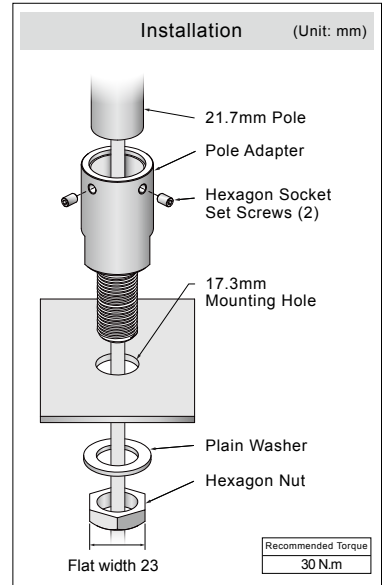
This adapter is used to install the LR Series Poles (21.7mm diameter) into preexisting 17.3mm diameter holes.



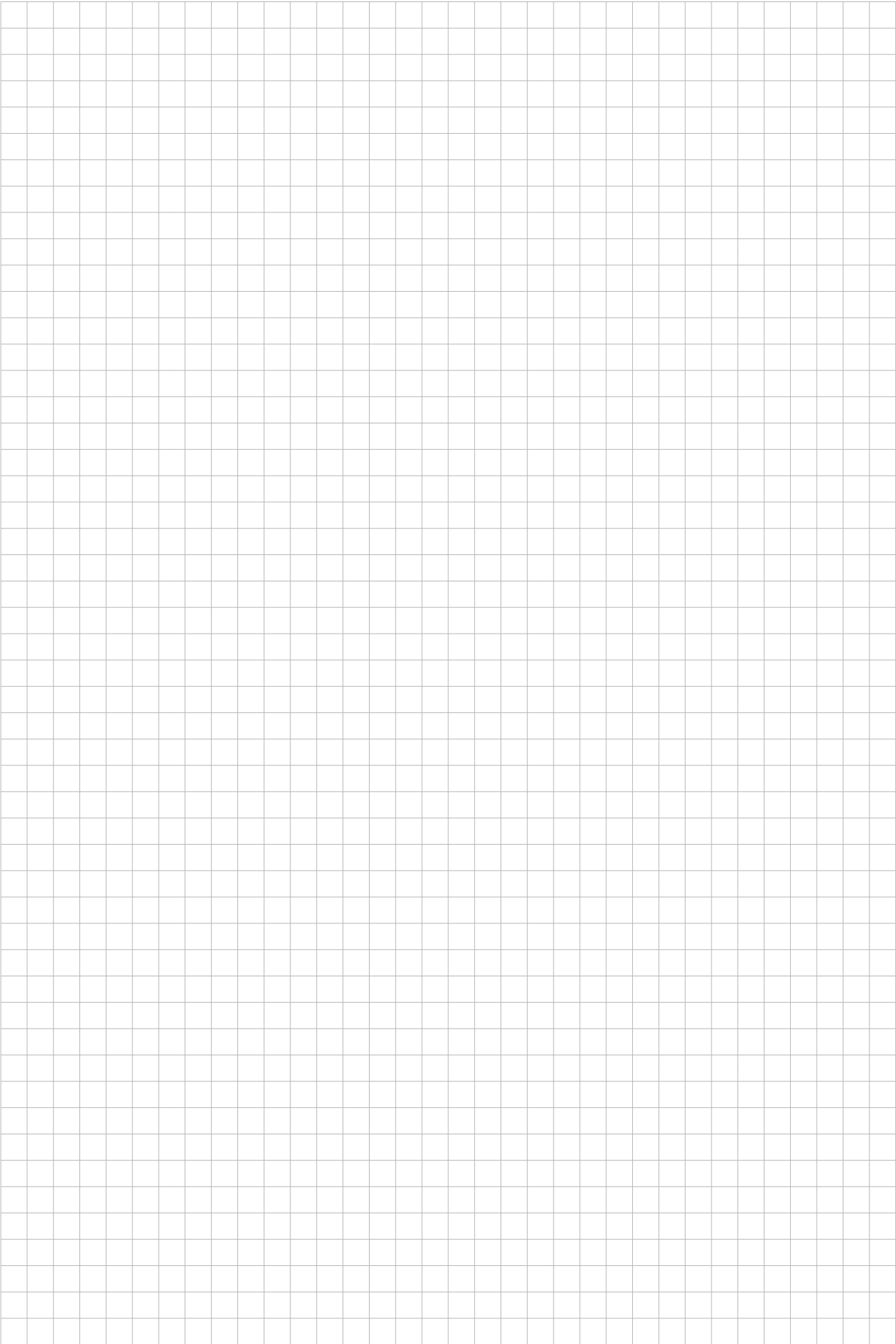
SZP-917U



Accessory	
Hexagon Socket Set Screws x 2	
Hexagon Nut (M17) x 1	
Plain Washer (Φ17.5 × Φ28 × t2.0) x 1	



Model Number	Corresponding Models	
	Previous	New
<b>SZP-917U</b>	LCE/LCE-A LCS/LCS-A LE/LES-A	LR□-□□□LJ□□ POLE22-□□□□AT

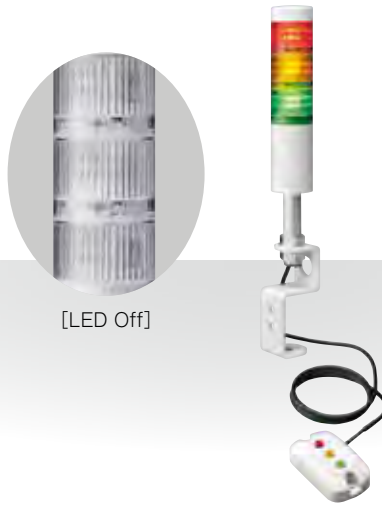


Signal Tower with Switch Box

# HSST

- φ50 mm**
- LED**
- Indoor Use**
- Upright Mounting**
- Ambient Temperature 0°C~40°C**
- Red, Amber, Green**
- Continuous On**
- CE \***
- RoHS 10**
- UL**
- FCC**
- IP54 (Signal Tower)**
- IP20 (Switch box)**

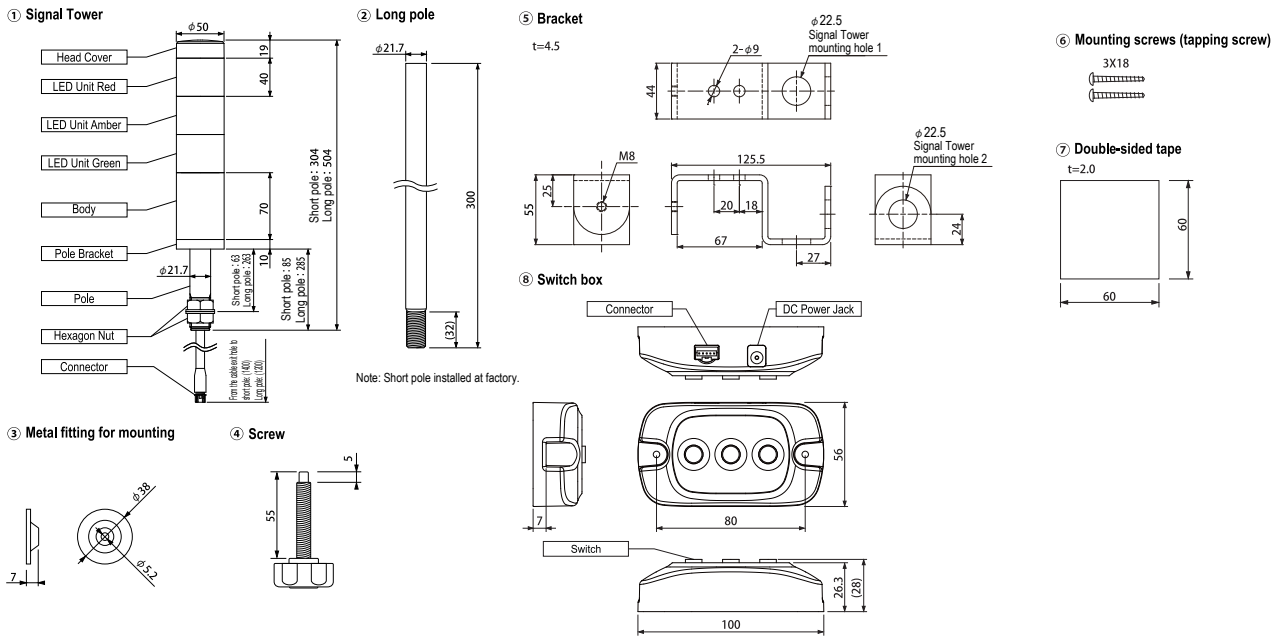
\* FB278 only



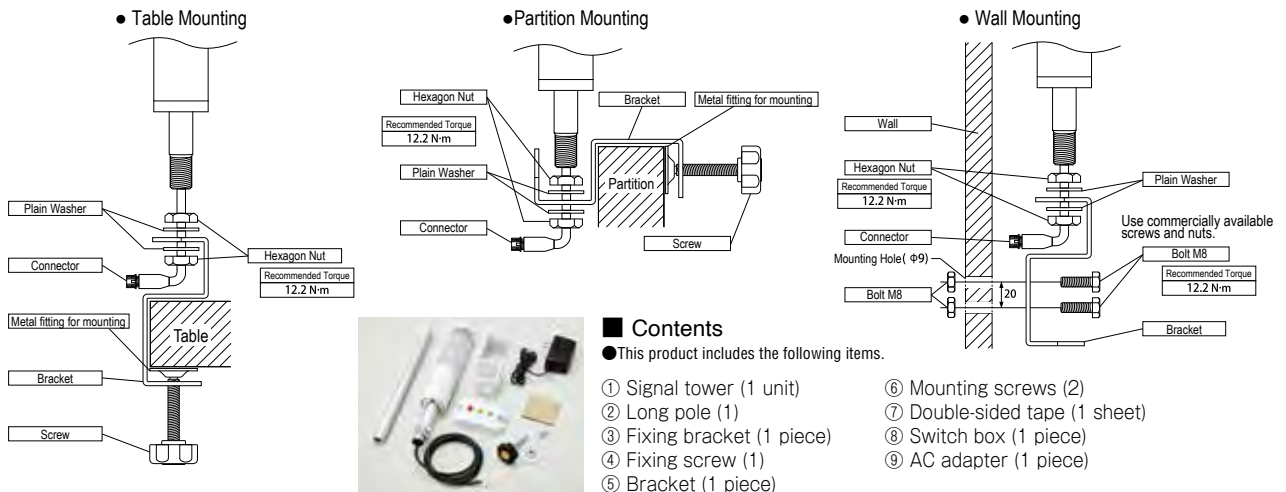
### Product List

Model Number	Rated Voltage	Power Consumption	Mass
HSST-3M2-RYG	100~240V AC	4W	Signal Tower with short pole: 0.36kg; Signal Tower with long pole: 0.47kg; Bracket: 0.33kg;
HSST-3M2N -RYG+FB278			Switch box: 0.07kg, Mounting cup and screw: 0.05kg.

### Dimensions (mm)



### Mounting Method

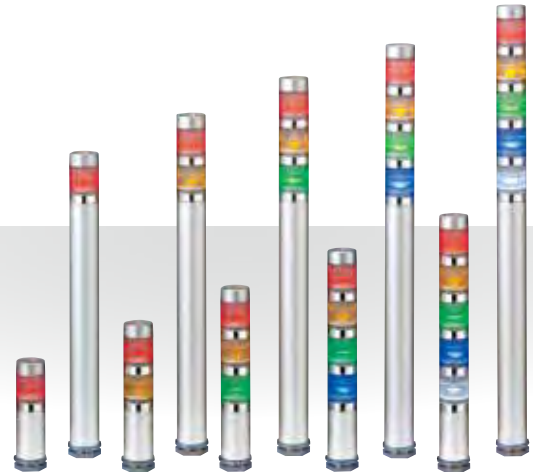




# ME-A/MES-A

Φ25 mm
LED
Indoor Use
Upright Mounting
Ambient Temperature -10°C~+55°C
Red, Amber, Green, Blue, White
Change Number of Tiers

Continuous On
CE
RoHS 10
UL
IP42



ME-A: Standard, 200mm long body  
 MES-A: Short, 40mm long body  
 ( Clear lens specification )

ME-A / MES-A

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

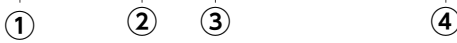
Hybrid Signaling Devices

LED Illumination

Optional Parts

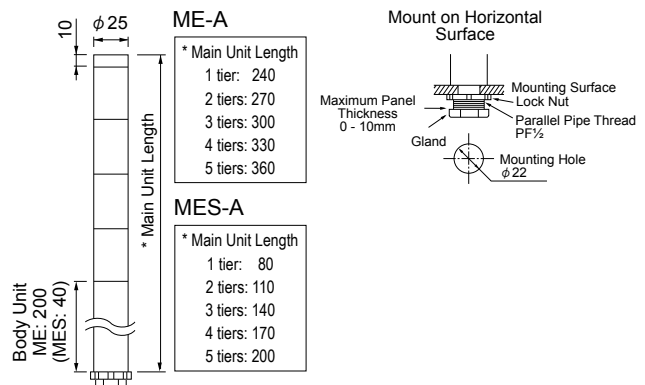
## Model Number Configuration

# ME-302A-RYG



- ① Model  
 ME = Standard body type  
 MES = Short body type
- ② Number of Tiers  
 1 = 1 tier    4 = 4 tiers  
 2 = 2 tiers    5 = 5 tiers  
 3 = 3 tiers
- ③ Rated Voltage  
 02 = 24V DC
- ④ Luminous Color  
 R = Red    B = Blue  
 Y = Amber    C = White  
 G = Green    (Top to bottom)

## Dimensions (mm)



## Product List

Model Number	Body	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass (ME)	Mass (MES)
ME/MES-102A-R	Standard body / Short body	1	24V DC	Red	0.8W	0.22kg	0.12kg
ME/MES-102A-Y	Standard body / Short body	1	24V DC	Amber	0.8W	0.22kg	0.12kg
ME/MES-102A-G	Standard body / Short body	1	24V DC	Green	0.5W	0.22kg	0.12kg
ME/MES-102A-B	Standard body / Short body	1	24V DC	Blue	0.5W	0.22kg	0.12kg
ME/MES-102A-C	Standard body / Short body	1	24V DC	White	0.5W	0.22kg	0.12kg
ME/MES-202A-RY	Standard body / Short body	2	24V DC	Red, Amber	1.5W	0.23kg	0.13kg
ME/MES-202A-RG	Standard body / Short body	2	24V DC	Red, Green	1.2W	0.23kg	0.13kg
ME/MES-302A-RYG	Standard body / Short body	3	24V DC	Red, Amber, Green	1.9W	0.24kg	0.14kg
ME/MES-402A-RYGB	Standard body / Short body	4	24V DC	Red, Amber, Green, Blue	2.3W	0.25kg	0.15kg
ME/MES-502A-RYGB	Standard body / Short body	5	24V DC	Red, Amber, Green, Blue, White	2.7W	0.26kg	0.16kg

## Specification

Supported Transistors	NPN
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## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number	Specification
L-Bracket	SZL-001	-

## Optional Parts for Unit Reconfiguration

Product Description	Model Number
Red LED Unit with clear Lens	B72100223-1F1
Amber LED Unit with clear Lens	B72100223-2F1
Green LED Unit with clear Lens	B72100115-3F1
Blue LED Unit with clear Lens	B72100115-4F1
White LED Unit with clear Lens	B72100115-7F1

Product Description	Model Number
Center Shaft for 1-tier	S33552110-0346F1
Center Shaft for 2-tier	S33552110-0376F1
Center Shaft for 3-tier	S33552110-03108F1
Center Shaft for 4-tier	S33552110-03138F1
Center Shaft for 5-tier	S33552110-03168F1

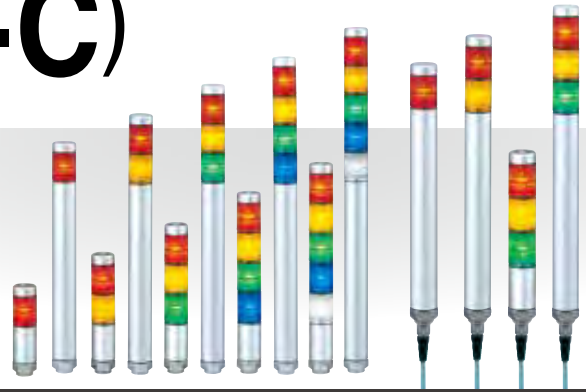
Signal Tower

# MP(-C)/MPS(-C)

<b>φ30 mm</b>	<b>LED</b>	<b>Indoor Use</b>	<b>Upright Mounting</b>	<b>Ambient Temperature -30°C~+60°C</b>	<b>Ambient Temperature -20°C~+60°C</b>	<b>Red, Amber, Green, Blue, White</b>
<b>Red, Amber, Green</b>	<b>Change Number of Tiers</b>	<b>Continuous On</b>	<b>CE</b>	<b>RoHS 10</b>	<b>UL</b>	<b>IP65</b>
M12 Type	Wire Leads Type					



Optional MP-B Buzzer



MP type: Standard, 220mm long body  
MPS type: Short, 45mm long body

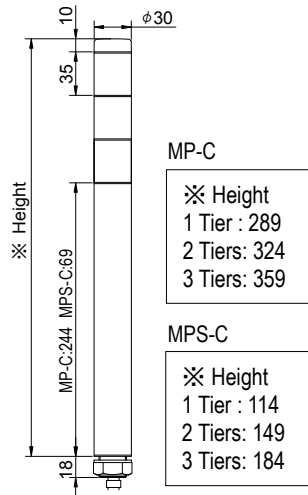
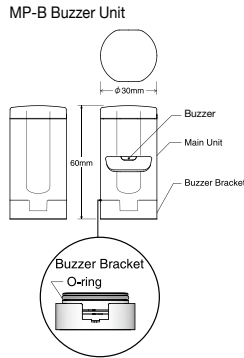
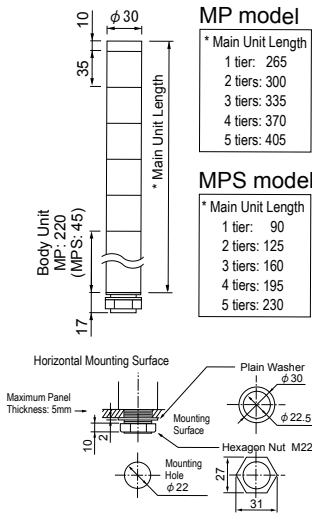
## Model Number Configuration

# MP-302C-RYG+FB247



<p>① Model MP = Standard Body MPS = Short Body</p>	<p>③ Rated Voltage 02 = 24V AC / DC</p>	<p>⑤ Luminous Color R = Red Y = Amber G = Green B = Blue C = White (Top to bottom)</p>	<p>⑥ Special Number +FB247 = MPS-302C</p>
<p>② Tiers 1 = 1 Tier 2 = 2 Tiers 3 = 3 Tiers 4 = 4 Tiers 5 = 5 Tiers</p>	<p>④ Lead Type None = Wire Leads C = M12 Quick Disconnect</p>		

## Dimensions (mm)



## Product List

Model Number	Body	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass
MP-102-R	Standard body	1	24V AC / DC	Red	0.8W	0.21kg
MP-102-Y	Standard body	1	24V AC / DC	Amber	0.9W	0.21kg
MP-102-G	Standard body	1	24V AC / DC	Green	0.6W	0.21kg
MP-102-B	Standard body	1	24V AC / DC	Blue	0.6W	0.21kg
MP-102-C	Standard body	1	24V AC / DC	White	0.6W	0.21kg
MP-202-RY	Standard body	2	24V AC / DC	Red, Amber	1.7W	0.23kg
MP-202-RG	Standard body	2	24V AC / DC	Red, Green	1.3W	0.23kg
MP-302-RYG	Standard body	3	24V AC / DC	Red, Amber, Green	2.2W	0.25kg
MP-402-RYGB	Standard body	4	24V AC / DC	Red, Amber, Green, Blue	2.7W	0.27kg
MP-502-RYGBGC	Standard body	5	24V AC / DC	Red, Amber, Green, Blue, White	3.2W	0.29kg
MPS-102-R	Short body	1	24V AC / DC	Red	0.8W	0.11kg
MPS-102-Y	Short body	1	24V AC / DC	Amber	0.9W	0.11kg
MPS-102-G	Short body	1	24V AC / DC	Green	0.6W	0.11kg
MPS-102-B	Short body	1	24V AC / DC	Blue	0.6W	0.11kg
MPS-102-C	Short body	1	24V AC / DC	White	0.6W	0.11kg
MPS-202-RY	Short body	2	24V AC / DC	Red, Amber	1.7W	0.13kg
MPS-202-RG	Short body	2	24V AC / DC	Red, Green	1.3W	0.13kg
MPS-202-YG	Short body	2	24V AC / DC	Amber, Green	1.4W	0.13kg
MPS-302-RYG	Short body	3	24V AC / DC	Red, Amber, Green	2.2W	0.15kg
MPS-402-RYGB	Short body	4	24V AC / DC	Red, Amber, Green, Blue	2.7W	0.17kg
MPS-502-RYGBGC	Short body	5	24V AC / DC	Red, Amber, Green, Blue, White	3.2W	0.19kg
MP-102C-R	Standard body	1	24V DC	Red	0.8W	0.24kg
MP-102C-Y	Standard body	1	24V DC	Amber	0.8W	0.24kg
MP-102C-G	Standard body	1	24V DC	Green	0.6W	0.24kg
MP-202C-RG	Standard body	2	24V DC	Red, Green	1.3W	0.26kg
MP-202C-YG	Standard body	2	24V DC	Amber, Green	1.3W	0.26kg
MP-202C-GR	Standard body	2	24V DC	Green, Red	1.3W	0.26kg
MP-302C-RYG	Standard body	3	24V DC	Red, Amber, Green	2.1W	0.28kg
MP-302C-YGR	Standard body	3	24V DC	Amber, Green, Red	2.1W	0.28kg
MPS-302C-RYG+FB247	Short body	3	24V DC	Red, Amber, Green	2.1W	0.18kg

### Specification

<b>Supported Transistors</b>	NPN / PNP (Wire Leads type) NPN (M12 type)
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### Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number	Specification
L-Bracket	SZL-001	-
*Alarm Unit	MP-B	24V AC/DC, 0.7W, 80 dB at 1m

\* Operates with Red LED module.

### Optional Parts for Unit Reconfiguration

Product Name	Model Number
Red LED Unit	B72100182-1F1
Amber LED Unit	B72100182-2F1
Green LED Unit	B72100182-3F1
Blue LED Unit	B72100182-4F1
White LED Unit	B72100182-7F1

Product Name	Model Number
Center Shaft for 1-tier	S33552120-0355F1
Center Shaft for 2-tier	S33552120-0390F1
Center Shaft for 3-tier	S33552120-03125F1
Center Shaft for 4-tier	S33552120-03160F1
Center Shaft for 5-tier	S33552120-03195F1

Signal Tower

# LS7

- Φ70 mm**
- LED**
- Indoor Use**
- Upright Mounting**
- Ambient Temperature -30°C~+60°C**
- Red, Amber, Green, Blue, White**
- Continuous On**
- 60 Flashes per Minute**
- 85dB**
- 2 Alarm Sounds**
- RoHS 10**
- UL**
- IP65**
- IP54 with Alarm**

\*C type 82 dB      \*C type 1 sound



Continuous On Type  
 LS7-WH (lead wires)  
 LS7-WC (M12 connector)

Flashing and Alarm Type  
 LS7-FBWH [Continuous on/flashing/2 alarms] (Lead wires)  
 LS7-FBWC [Continuous on/1 alarm] (M12 connector)

( Clear lens specification )

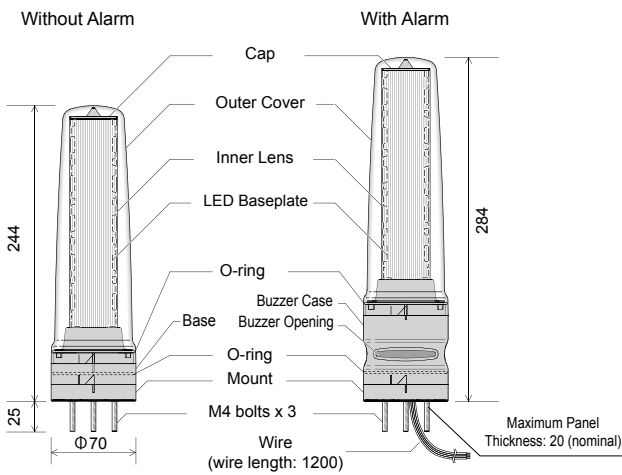
## Model Number Configuration

# LS7-502SFBWH-RYGBC

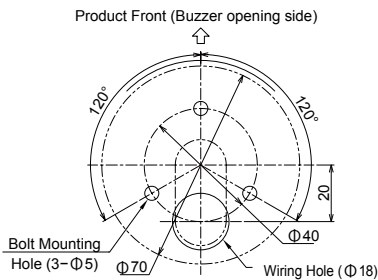


① Number of LED Segments 3 = 3 segments 5 = 5 segments	③ Body Color None = Off-white D = Dark gray S = Silver	④ Flashing / Buzzer* None = No flashing, no alarm FB = Flashing/Buzzer for lead wire type only B = No flashing, with alarm for M12 connector type only *FB type includes flashing function and two alarm sounds. Only available for lead wire type. *B type does not include flashing function and has one continuous alarm sound. Only available for M12 connector type.	⑤ Wiring Method C = M12 connector H = Lead wire	⑥ Luminous Color RYGNN = Red, Amber, Green RYGBC = Red, Amber, Green, Blue, White (Top to bottom. Sequence cannot be changed)
② Rated Voltage 02 = 24V DC				

## Dimensions (mm)



### Installation Dimension Drawings



## Specification

<b>Supported Transistor</b>	NPN / PNP
<b>Alarm Sound</b>	2 type (pipipi/piropiro) / 1 type (peepee)
<b>Volume Control</b>	Rotating switch

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Platform Bracket (off-white)	SZ-100
Platform Bracket (dark gray)	SZ-100D
Platform Bracket (silver)	SZ-100S
Wall Mount Bracket (off-white)	SZ-110
Wall Mount Bracket (dark gray)	SZ-110D
Wall Mount Bracket (silver)	SZ-110S
Multi-mount Bracket (off-white)	SZ-130
Multi-mount Bracket (dark gray)	SZ-130D
Multi-mount Bracket (silver)	SZ-130S
M12 Connector with 2m cable (OMRON part number)	SZ-120-02 (XS2F-D821-DH0-R)
M12 Connector with 5m cable (OMRON part number)	SZ-120-05 (XS2F-D821-GH0-R)
M12 Connector with 10m cable (OMRON part number)	SZ-120-10 (XS2F-D821-JH0-R)

## Product List

Model Number	Number of Tiers	Rated Voltage	Body Color	Function	Buzzer	Wiring Method	Luminous Color	Power Consumption	Mass
LS7-302SFBWH-RYGNN	3	24V DC	Silver	Continuous On and flashing	Yes	lead wire	Red, Amber, Green	3.8W	0.37kg
LS7-302BWC-RYGNN	3	24V DC	Off-white	Continuous On	Yes	M12 connector	Red, Amber, Green	4.1W	0.26kg
LS7-302DBWC-RYGNN	3	24V DC	Dark gray	Continuous On	Yes	M12 connector	Red, Amber, Green	4.1W	0.35kg
LS7-302DFBWH-RYGNN	3	24V DC	Dark gray	Continuous On and flashing	Yes	lead wire	Red, Amber, Green	3.8W	0.37kg
LS7-302DWC-RYGNN	3	24V DC	Dark gray	Continuous On	None	M12 connector	Red, Amber, Green	2.8W	0.26kg
LS7-302DWH-RYGNN	3	24V DC	Dark gray	Continuous On	None	lead wire	Red, Amber, Green	2.8W	0.28kg
LS7-302FBWH-RYGNN	3	24V DC	Off-white	Continuous On and flashing	Yes	lead wire	Red, Amber, Green	3.8W	0.37kg
LS7-302SBWC-RYGNN	3	24V DC	Silver	Continuous On	Yes	M12 connector	Red, Amber, Green	4.1W	0.35kg
LS7-302SWC-RYGNN	3	24V DC	Silver	Continuous On	None	M12 connector	Red, Amber, Green	2.8W	0.26kg
LS7-302SWH-RYGNN	3	24V DC	Silver	Continuous On	None	lead wire	Red, Amber, Green	2.8W	0.28kg
LS7-302WC-RYGNN	3	24V DC	Off-white	Continuous On	None	M12 connector	Red, Amber, Green	2.8W	0.26kg
LS7-302WH-RYGNN	3	24V DC	Off-white	Continuous On	None	lead wire	Red, Amber, Green	2.8W	0.28kg
LS7-502BWC-RYGBC	5	24V DC	Off-white	Continuous On	Yes	M12 connector	Red, Amber, Green, Blue, White	6.0W	0.35kg
LS7-502DBWC-RYGBC	5	24V DC	Dark gray	Continuous On	Yes	M12 connector	Red, Amber, Green, Blue, White	6.0W	0.35kg
LS7-502DFBWH-RYGBC	5	24V DC	Dark gray	Continuous On and flashing	Yes	lead wire	Red, Amber, Green, Blue, White	5.7W	0.37kg
LS7-502DWC-RYGBC	5	24V DC	Dark gray	Continuous On	None	M12 connector	Red, Amber, Green, Blue, White	4.7W	0.26kg
LS7-502DWH-RYGBC	5	24V DC	Dark gray	Continuous On	None	lead wire	Red, Amber, Green, Blue, White	4.7W	0.28kg
LS7-502FBWH-RYGBC	5	24V DC	Off-white	Continuous On and flashing	Yes	lead wire	Red, Amber, Green, Blue, White	5.7W	0.37kg
LS7-502SBWC-RYGBC	5	24V DC	Silver	Continuous On	Yes	M12 connector	Red, Amber, Green, Blue, White	6.0W	0.35kg
LS7-502SFBWH-RYGBC	5	24V DC	Silver	Continuous On and flashing	Yes	lead wire	Red, Amber, Green, Blue, White	5.7W	0.37kg
LS7-502SWC-RYGBC	5	24V DC	Silver	Continuous On	None	M12 connector	Red, Amber, Green, Blue, White	4.7W	0.26kg
LS7-502SWH-RYGBC	5	24V DC	Silver	Continuous On	None	lead wire	Red, Amber, Green, Blue, White	4.7W	0.28kg
LS7-502WC-RYGBC	5	24V DC	Off-white	Continuous On	None	M12 connector	Red, Amber, Green, Blue, White	4.7W	0.26kg
LS7-502WH-RYGBC	5	24V DC	Off-white	Continuous On	None	lead wire	Red, Amber, Green, Blue, White	4.7W	0.28kg

# Signal Tower

# LGE

<b>Φ100 mm</b>	<b>LED</b>	<b>Indoor Use</b>	<b>Upright Mounting</b>	<b>Ambient Temperature -30°C~+60°C</b>	<b>Red, Amber, Green, Blue, White</b>
<b>Continuous On</b>	<b>60 Flashes per Minute</b>	<b>85dB</b>	<b>1 Alarm Sounds</b>	<b>CE (24V DC)</b>	<b>RoHS 10</b>
<b>IP54</b>					



LGE Type: Continuous on  
LGE-FB Type: Continuous on, flashing/alarm

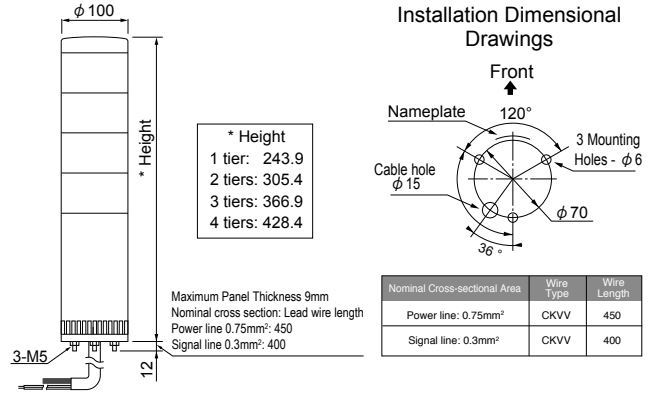
## Model Number Configuration

# LGE-402FB-RYGB



① Number of Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers	② Rated Voltage 02 = 24V AC / DC 10 = 100V AC 20 = 220V AC	③ Flashing / Buzzer None = No flashing, no buzzer FB = With flashing and buzzer	④ Luminous Color R = Red      B = Blue Y = Amber    C = White G = Green    (Top to bottom)
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## Dimensions (mm)



## Product List

Without Alarm				
Model Number	Rated Voltage	Number of Tiers	Power Consumption	Mass
LGE-102	24V AC/DC	1	2.0W	0.4kg
LGE-202		2	4.0W	0.6kg
LGE-302		3	6.0W	0.8kg
LGE-402		4	8.0W	0.9kg
LGE-110	100V AC	1	5.2W	1.0kg
LGE-210		2	7.7W	1.2kg
LGE-310		3	10.2W	1.4kg
LGE-410		4	12.7W	1.5kg
LGE-120	220 - 240V AC	1	5.2W	1.0kg
LGE-220		2	7.7W	1.2kg
LGE-320		3	10.2W	1.4kg
LGE-420		4	12.7W	1.5kg

With Flashing (60 fpm) and Alarm				
Model Number	Rated Voltage	Number of tiers	Power Consumption	Mass
LGE-102FB	24V AC/DC	1	2.5W	0.4kg
LGE-202FB		2	4.5W	0.6kg
LGE-302FB		3	6.5W	0.8kg
LGE-402FB		4	8.5W	0.9kg
LGE-110FB	100V AC	1	5.7W	1.0kg
LGE-210FB		2	8.2W	1.2kg
LGE-310FB		3	10.7W	1.4kg
LGE-410FB		4	13.2W	1.5kg
LGE-120FB	220 - 240V AC	1	5.7W	1.0kg
LGE-220FB		2	8.2W	1.2kg
LGE-320FB		3	10.7W	1.4kg
LGE-420FB		4	13.2W	1.5kg

## Specification

<b>Supported Transistor</b>	NPN / PNP
<b>Alarm Sound</b>	1 type (Pipopipo)
<b>Volume Control</b>	Not adjustable

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-008
Wall Mount Bracket with Cover	SZ-023

## Optional Parts for Unit Reconfiguration

Product Name	Model Number
Red LED Unit	B32100004-1F1
Amber LED Unit	B32100004-2F1
Green LED Unit	B32100004-3F1
Blue LED Unit	B32100004-4F1
White LED Unit	B32100004-7F1

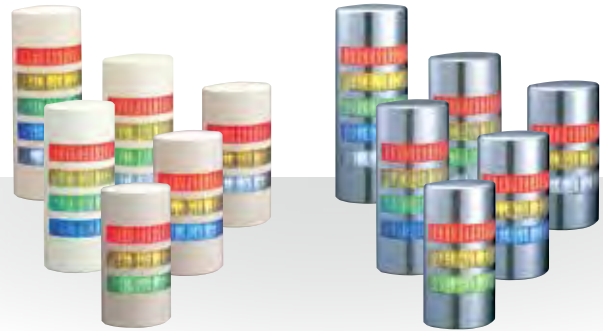
Product Name	Model Number
Center Shaft for 1-tier	B62910028-1F1
Center Shaft for 2-tiers	B62910028-2F1
Center Shaft for 3-tiers	B62910028-3F1
Center Shaft for 4-tiers	B62910028-4F1

# Wall Mount Signal Tower

# WEP/WE

W90 × D37.5	LED	Indoor Use	Upright Mounting	Ambient Temperature -30°C~+60°C	Red, Amber, Green, Blue, White	Continuous On	60 Flashes per Minute
90dB	2 Alarm Sounds	CE	RoHS 10	UL	IP65	IP54 with Alarm	

\*Clear lens. Lens is translucent when off.



Light gray  
WEP Type: Continuous on  
WEP-FB Type: Continuous on, flashing / alarm

Chrome-plated  
WE Type: Continuous on  
WE-FB Type: Continuous on, flashing / alarm

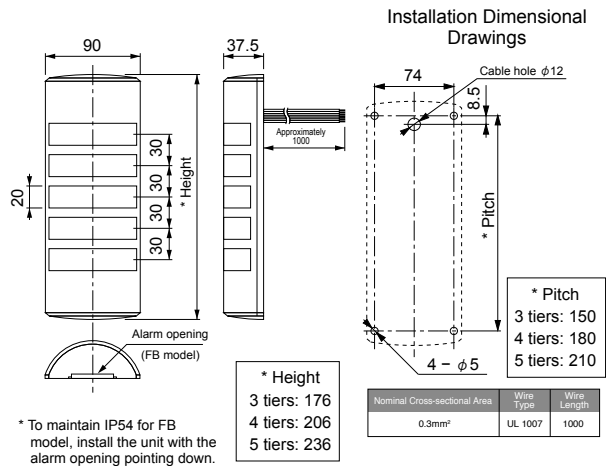
## Model Number Configuration

# WEP-502FB-RYGBC

- ①
- ②
- ③
- ④
- ⑤

① Model WE = Chrome-plated WEP = Light gray	③ Rated Voltage 02 = 24V AC / DC	⑤ Luminous Color R = Red B = Blue Y = Amber C = White G = Green (Top to bottom)
② Number of Tiers 3 = 3 tiers 5 = 5 tiers 4 = 4 tiers	④ Flashing / Buzzer None = No flashing, no buzzer FB = With flashing and buzzer	

## Dimensions (mm)



\* To maintain IP54 for FB model, install the unit with the alarm opening pointing down.

* Height
3 tiers: 176
4 tiers: 206
5 tiers: 236

## Specification

Supported Transistor	NPN / PNP
Alarm Sound	Buzzer 1 (Pipipi...), Buzzer 2 (Peee, peee, peee)
Volume Control	Not adjustable

## Product List

Model Number	Cover	Number of Tiers	Rated Voltage	Function	Buzzer	Luminous Color	Power Consumption	Mass
WE/WEP-302-RYG	Chrome-plated / Light gray	3	24V AC/DC	Continuous On	None	Red, Amber, Green	1.9W	0.30kg
WE/WEP-302-RYB	Chrome-plated / Light gray	3	24V AC/DC	Continuous On	None	Red, Amber, Blue	1.9W	0.30kg
WE/WEP-302-RYC	Chrome-plated / Light gray	3	24V AC/DC	Continuous On	None	Red, Amber, White	1.9W	0.30kg
WE/WEP-302FB-RYG	Chrome-plated / Light gray	3	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green	3.1W	0.30kg
WE/WEP-302FB-RYB	Chrome-plated / Light gray	3	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Blue	3.1W	0.30kg
WE/WEP-302FB-RYC	Chrome-plated / Light gray	3	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, White	3.1W	0.30kg
WE/WEP-402-RYGB	Chrome-plated / Light gray	4	24V AC/DC	Continuous On	None	Red, Amber, Green, Blue	2.4W	0.33kg
WE/WEP-402-RYGC	Chrome-plated / Light gray	4	24V AC/DC	Continuous On	None	Red, Amber, Green, White	2.4W	0.33kg
WE/WEP-402FB-RYGB	Chrome-plated / Light gray	4	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue	3.6W	0.33kg
WE/WEP-402FB-RYGC	Chrome-plated / Light gray	4	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green, White	3.6W	0.33kg
WE/WEP-502-RYGBBC	Chrome-plated / Light gray	5	24V AC/DC	Continuous On	None	Red, Amber, Green, Blue, White	2.9W	0.35kg
WE/WEP-502FB-RYGBBC	Chrome-plated / Light gray	5	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue, White	4.1W	0.35kg

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice and Announciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

Wall Mount Signal Tower

# WME-D

W70 x D80.2	LED	Indoor Use	Upright Mounting	Ambient Temperature -10°C~+55°C	Red, Amber, Green, Blue, White	Change Number of Tiers
Continuous On	60 Flashes per Minute	93dB	2 Alarm Sounds			
CE	RoHS 10	UL	IP54			



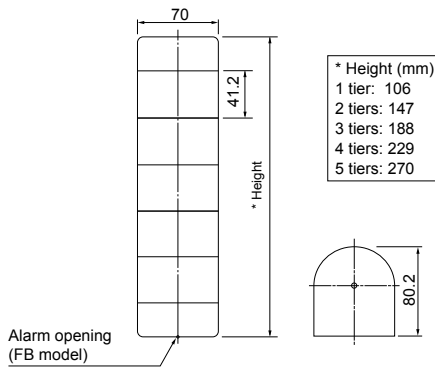
## Model Number Configuration

# WME-502DFB-RYGBC

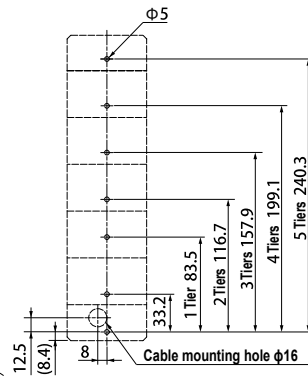


① Number of Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers 5 = 5 tiers	② Rated Voltage O2 = 24V DC M2 = 100-240 V AC	③ Flashing / Buzzer None = No flashing, no buzzer FB = With flashing and buzzer	④ Luminous Color R = Red Y = Amber G = Green B = Blue C = White (Top to bottom)
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## Dimensions (mm)



## Installation Dimensional Drawings



	Nominal Cross-sectional Area	Wire Type	Wire Length
Power Supply Wire	0.2mm <sup>2</sup>	UL1061	1100
Signal Wire	0.2mm <sup>2</sup>	UL1061	1100

(M2 Type)			
	Nominal Cross-sectional Area	Wire Type	Wire Length
Power Supply Wire	0.8mm <sup>2</sup>	UL1015	1100
Signal Wire	0.2mm <sup>2</sup>	UL1061	1100

- \* To maintain IP54 for FB model, install the unit with the alarm opening pointing down.
- \* A mounting bracket for appropriate number of tiers is included.

## Specification

Supported Transistor	NPN / PNP
Alarm Sound	2 intermittent sounds. 1 (pipipi), 2 (peee, peee, peee)
Volume Control	Not adjustable



## Product List

Model Number	Number of Tiers	Rated Voltage	Function	Alarm	Luminous Color	Power Consumption	Mass
WME-102D-R	1	24V DC	Continuous On	None	Red	0.7W	0.28kg
WME-102D-Y	1	24V DC	Continuous On	None	Amber	0.9W	0.28kg
WME-102D-G	1	24V DC	Continuous On	None	Green	0.5W	0.28kg
WME-102DFB-R	1	24V DC	Continuous On and flashing	Yes	Red	1.9W	0.28kg
WME-102DFB-Y	1	24V DC	Continuous On and flashing	Yes	Amber	2.1W	0.28kg
WME-102DFB-G	1	24V DC	Continuous On and flashing	Yes	Green	1.7W	0.28kg
WME-1M2D-R	1	100 - 240V AC	Continuous On	None	Red	1.1W	0.35kg
WME-1M2D-Y	1	100 - 240V AC	Continuous On	None	Amber	1.2W	0.35kg
WME-1M2D-G	1	100 - 240V AC	Continuous On	None	Green	0.9W	0.35kg
WME-1M2DFB-R	1	100 - 240V AC	Continuous On and flashing	Yes	Red	12.3W	0.35kg
WME-1M2DFB-Y	1	100 - 240V AC	Continuous On and flashing	Yes	Amber	2.4W	0.35kg
WME-1M2DFB-G	1	100 - 240V AC	Continuous On and flashing	Yes	Green	2.1W	0.35kg
WME-202D-RY	2	24V DC	Continuous On	None	Red, Amber	1.6W	0.37kg
WME-202DFB-RY	2	24V DC	Continuous On and flashing	Yes	Red, Amber	2.8W	0.37kg
WME-2M2D-RY	2	100 - 240V AC	Continuous On	None	Red, Amber	2.3W	0.44kg
WME-2M2DFB-RY	2	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber	3.5W	0.44kg
WME-302D-RYG	3	24V DC	Continuous On	None	Red, Amber, Green	2.1W	0.46kg
WME-302DFB-RYG	3	24V DC	Continuous On and flashing	Yes	Red, Amber, Green	3.3W	0.46kg
WME-3M2D-RYG	3	100 - 240V AC	Continuous On	None	Red, Amber, Green	3.2W	0.53kg
WME-3M2DFB-RYG	3	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber, Green	4.4W	0.53kg
WME-402D-RYGB	4	24V DC	Continuous On	None	Red, Amber, Green, Blue	3.0W	0.55kg
WME-402DFB-RYGB	4	24V DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue	4.2W	0.55kg
WME-4M2D-RYGB	4	100 - 240V AC	Continuous On	None	Red, Amber, Green, Blue	4.5W	0.62kg
WME-4M2DFB-RYGB	4	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber, Green, Blue	5.7W	0.62kg
WME-502D-RYGBC	5	24V DC	Continuous On	None	Red, Amber, Green, Blue, White	3.9W	0.64kg
WME-502DFB-RYGBC	5	24V DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue, White	5.1W	0.64kg
WME-5M2D-RYGBC	5	100 - 240V AC	Continuous On	None	Red, Amber, Green, Blue, White	5.8W	0.71kg
WME-5M2DFB-RYGBC	5	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber, Green, Blue, White	7.0W	0.71kg

## Optional Parts for Unit Reconfiguration

Product Name	Model Number
Head Cover	B32310087-F1*
Red LED Unit	B72100259-1F1*
Amber LED Unit	B72100259-2F1*
Green LED Unit	B72100259-3F1*
Blue LED Unit	B72100259-4F1*
White LED Unit	B72100259-7F1*
Center Shaft for 1-tier	S33552120-0455F1
Center Shaft for 2-tier	S33552120-04100F1

Product Name	Model Number
Center Shaft for 3-tier	S33552120-04140F1
Center Shaft for 4-tier	S33552120-04180F1
Center Shaft for 5-tier	S33552120-04220F1
Mounting Bracket for 1-tier	B85130021-5F1
Mounting Bracket for 2-tier	B85130021-4F1
Mounting Bracket for 3-tier	B85130021-3F1
Mounting Bracket for 4-tier	B85130021-2F1
Mounting Bracket for 5-tier	B85130021-1F1

\* Not compatible with WME-A Series-LED units and head cover.

Signal Tower

# EDLR

<b>LED</b>	<b>Indoor/Outdoor Use</b>	Ambient Temperature -20°C~+50°C	Red, Amber, Green
Continuous On	60 Flashes per Minute	RoHS 10	IP66



24V DC

100V - 240V AC

## Model Number Configuration

# EDLR-302F-RYG

①                      ②

① Rated Voltage  
O2 = 24V DC  
M2 = 100 - 240 V AC

② Luminous Color  
RYG = Red, Amber, Green

## Specification

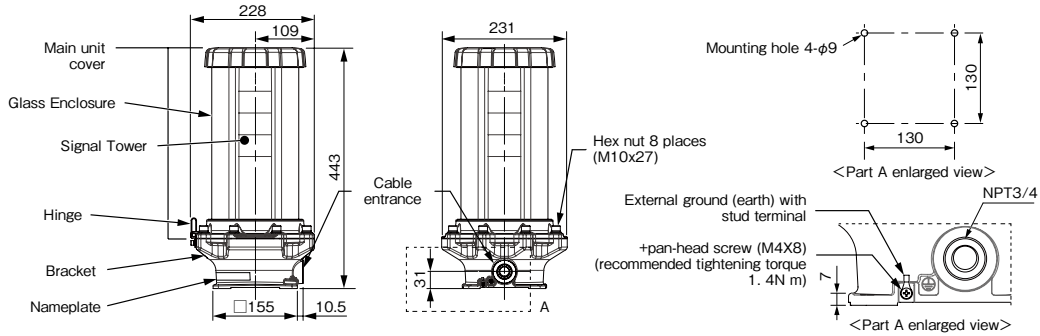
**Supported Transistor**      O2: NPN/PNP; M2: NPN

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Cable Gland	REL-001 (Supports $\Phi$ 7-12mm cable diameters)

## Dimensions (mm)



## Product List

Model Number	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass
EDLR-302F-RYG	3	24V DC	Red, Amber, Green	3.9W	9kg
EDLR-3M2F-RYG	3	100 - 240V AC	Red, Amber, Green	5.4W	9kg

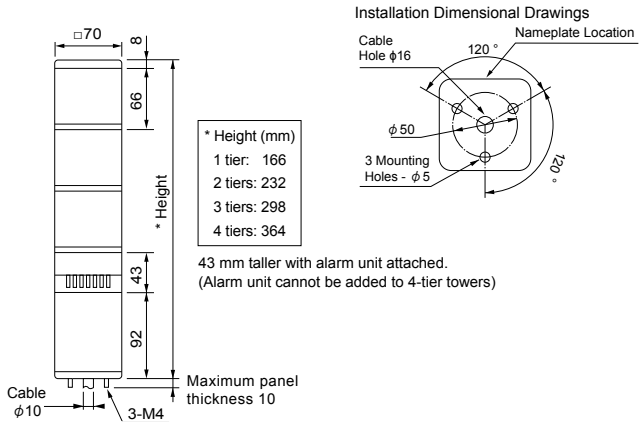
Signal Tower

# KUS

- 70 mm**
- LED**
- Indoor Use**
- Ambient Temperature -30°C~+60°C**
- Red, Amber, Green, Blue, White**
- Change Number of Tiers**
- Blinking**
- 80dB**  
\*24V: 70 dB
- 1 Alarm Sounds**
- RoHS 10**  
KUS-24(F) KUS-EA
- IP54**



## Dimensions (mm)



## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Assembly with L-Bracket	SZ-40L
Pole Assembly with Circular Bracket	SZ-40T
Wall Mount Bracket	SZ-007

## Specification

<b>Supported Transistor</b>	NPN / PNP
<b>Alarm Sound</b>	1 sound (Pipopipo) [When using the buzzer unit]
<b>Volume Control</b>	Rotating switch

## Product List

### [KUS Base Unit]

Model Number	Rated Voltage	Function	Power Consumption	Mass
KUS-24	24V AC/DC	Continuous On	21W	0.4kg
KUS-24C	24V AC/DC	Continuous on, open collector	21W	0.4kg
KUS-24F	24V AC/DC	Continuous On and flashing	21W	0.4kg
KUS-24FC	24V AC/DC	Continuous on, flashing, open collector	21W	0.4kg
KUS-100	100V AC	Continuous On	21W	0.8kg
KUS-100C	100V AC	Continuous on, open collector	21W	0.8kg
KUS-100F	100V AC	Continuous On and flashing	21W	0.8kg
KUS-100FC	100V AC	Continuous on, open collector	21W	0.8kg
KUS-220	220V AC	Continuous On	21W	0.8kg
KUS-220C	220V AC	Continuous on, open collector	21W	0.8kg
KUS-220F	220V AC	Continuous On and flashing	21W	0.8kg
KUS-220FC	220V AC	Continuous on, open collector	21W	0.8kg

\* When purchasing, specify Display Unit, Buzzer Unit and Base Unit (power supply unit).

### [KUS Light Unit]

Model Number	Rated Voltage	Function	Luminous Color	Power Consumption	Mass
KUS-EA-R/Y/G/B/C	24V DC	LED	Red / Amber / Green / Blue / White	R, Y: 1.2W / G, B, C: 0.95W	0.14kg
KUS-S-R/Y/G/B/C	24V DC	Incandescent bulb	Red / Amber / Green / Blue / White	6.00W	0.2kg

Incandescent bulb shape: Glass bulb G14, base BA9S ● Power supplied from Base Unit

### [KUS Alarm Unit]

Model Number	Rated Voltage	Function	Power Consumption	Mass
KUS-B	24V DC	Alarm	0.5W	0.2kg

● Light Units can be used with any Base Units. ● Power is supplied from the Base Unit

# Signal Beacon

# SL

**New**



R : Red Y : Amber G : Green B : Blue



2-point hole mounting, terminal block without buzzer. (3-point mounting hole for SL15)



2-point hole mounting, terminal block with buzzer

Φ80 mm	Φ100 mm	Φ150 mm	LED	Indoor/Outdoor Use	Upright/Sideways*/Inverted* Mounting	Ambient Temperature -20°C~+50°C
Red, Amber, Green, Blue	88dB SL08:86dB	CE	RoHS 10	UL	FCC	ICES
KC	EAC	PSE	IP23 (JN)	IP66 (KT)	NEMA TYPE 4X,13	

\*Indoor only



SL08: Φ80mm SL10: Φ100mm SL15: Φ150mm

●Use the optional rubber gasket to increase the IP rating from IP23 to IP65. (SL08, SL10 only)

## Model Number Configuration

# SL08-M1KTB-R

- ①
- ②
- ③
- ④

① Size 08 = Φ80mm 10 = Φ100mm 15 = Φ150mm <sup>*1</sup>	② Rated Voltage M1 = 12 - 24V DC M2 = 100 - 240V AC	③ Mounting / Wiring / Buzzer JN: 3-point bolt mounting / Cable / None KTN: 2-point hole mounting <sup>*2</sup> / Terminal block / None KTB: 2-point hole mounting / Terminal block / Buzzer	④ Color R = Red Y = Amber G = Green B = Blue  <sup>*1</sup> JN / KTN only <sup>*2</sup> For SL15, 3-point hole mounting
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## Specification

Supported Transistors	NPN	Alarm Sound	Single tone	Volume Control	None
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## Product List

Model Number	Size (mm)	Rated Voltage	Wiring and Mounting	Alarm	Luminous Color	Power Consumption	Mass
SL08-M1JN-R/Y/G/B	Φ80	12 - 24V DC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	2.9W	0.25kg
SL08-M1KTN-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	2.9W	0.23kg
SL08-M1KTB-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.4W	0.24kg
SL08-M2JN-R/Y/G/B	Φ80	100 - 240V AC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	3.1W	0.28kg
SL08-M2KTN-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	3.1W	0.26kg
SL08-M2KTB-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.5W	0.27kg
SL10-M1JN-R/Y/G/B	Φ100	12 - 24V DC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	2.9W	0.37kg
SL10-M1KTN-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	2.9W	0.36kg
SL10-M1KTB-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.4W	0.37kg
SL10-M2JN-R/Y/G/B	Φ100	100 - 240V AC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	3.1W	0.40kg
SL10-M2KTN-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	3.1W	0.38kg
SL10-M2KTB-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.5W	0.40kg
SL15-M1JN-R/Y/G/B	Φ150	12 - 24V DC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	4.8W	0.86kg
SL15-M1KTN-R/Y/G/B	Φ150	12 - 24V DC	Push-in terminal block, 3-point hole mounting	None	Red/ Amber/Green/Blue	4.8W	0.86kg
SL15-M2JN-R/Y/G/B	Φ150	100 - 240V AC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	5.6W	0.89kg
SL15-M2KTN-R/Y/G/B	Φ150	100 - 240V AC	Push-in terminal block, 3-point hole mounting	None	Red/ Amber/Green/Blue	5.6W	0.89kg

Note: This product not for vehicle use. Please select a compatible product such as the RLR or LFH type.

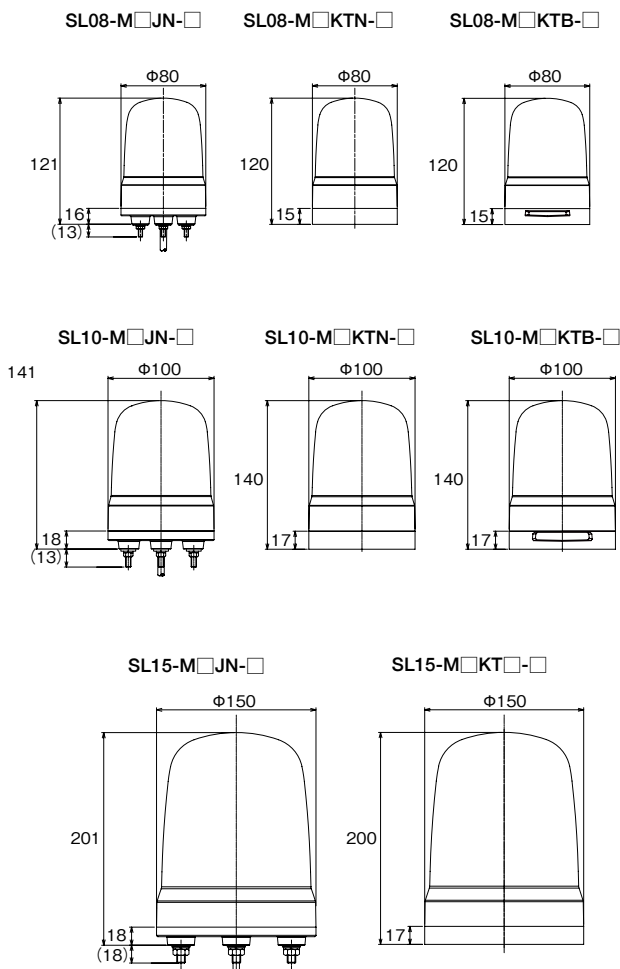
Product Name	Model Number
Wall Mount Waterproof Bracket	SZK-101
Wall Mount Bracket	SZK-102
Wall Mount Bracket	SZK-103
Cover for Wall Mount Bracket	SZK-104
Cover for Wall Mount Bracket	SZK-105
Wall Mount Bracket	SZ-007
Wall Mount Bracket	SZ-008
Wall Mount Bracket	SZ-023

Product Name	Model Number
Ceiling Mounting Bracket	SZW-101
Mounting Rubber Gasket	SZW-102
Mounting Rubber Gasket	SZW-103
Pole Mount Bracket	SZP-101
1/2 in. NPT Bracket	SZP-102
1/2 in. NPT Bracket	SZP-103
1/2 in. NPT Bracket	SZP-104

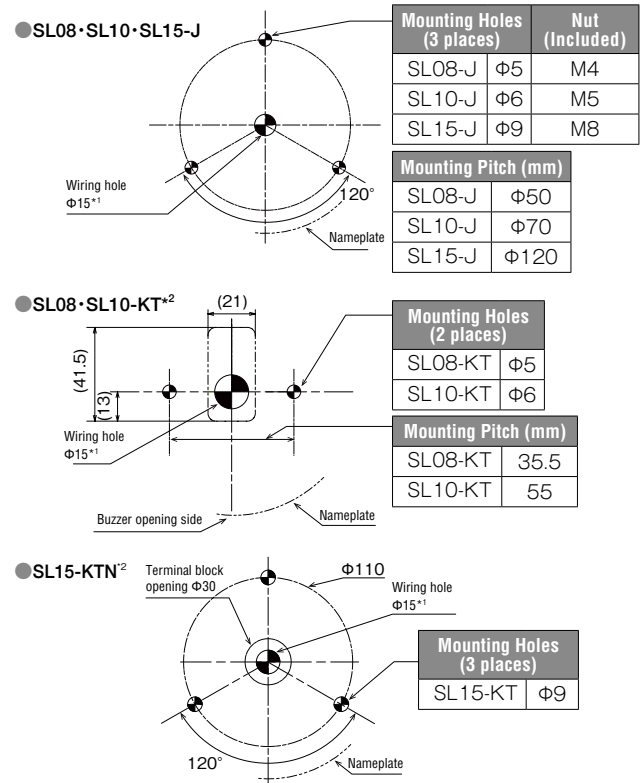
## Light Pattern

CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
OFF	OFF	ON	OFF	OFF	ON	ON	ON
Lights off		Continuous On		Blinking		Triple Flash	

## Dimensions (mm)



## Mounting Dimensional Drawing (mm)



Model	Screw / Nut	Recommended Tightening Torque
SL08	M4	0.7 N·m
SL10	M5	1.4 N·m
SL15	M8	6.0 N·m

\* 1 Adjust hole size as needed.  
 \* 2 Mounting screws not included.

Rotating Beacon

# SK New



Φ80 mm	Φ100 mm	Φ150 mm	LED	Indoor/Outdoor Use	Upright/Sideways*/Inverted* Mounting	Ambient Temperature -10C~+50C
Red, Amber, Green, Blue	Motorized Rotation	88dB	CE	RoHS 10	UL	FCC
ICES	KC	EAC	PSE	IP23		

\*Indoor only



● Use the optional rubber gasket to increase the IP rating from IP23 to IP65. (SKS, SKH only)

## Model Number Configuration

# SKH-M1JB-R

- ①
- ②
- ③
- ④

① Size S = Φ80mm H = Φ100mm P = Φ150mm	② Rated Voltage / Wiring M1J = 12 - 24V DC / cable M1T = 12 - 24V DC / terminal block* M2J = 100 - 240V AC / cable M2T = 100 - 240V AC / terminal block*	③ Buzzer None = None B = Buzzer*	④ Color R = Red, Y = Amber G = Green, B = Blue
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\* SKH: Φ100mm only

## Specification

Supported Transistors	None	Alarm Sound	Single tone	Volume Control	None
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## Product List

Model	Size (mm)	Rated Voltage	Wiring	Alarm	Luminous Color	Power Consumption	Mass
SKS-M1J-R/Y/G/B	Φ80	12 - 24V DC	Cable	None	Red/ Amber/Green/Blue	2.9W	0.24kg
SKS-M2J-R/Y/G/B	Φ80	100 - 240V AC	Cable	None	Red/ Amber/Green/Blue	3.0W	0.27kg
SKH-M1J-R/Y/G/B	Φ100	12 - 24V DC	Cable	None	Red/ Amber/Green/Blue	2.9W	0.33kg
SKH-M1JB-R/Y/G/B	Φ100	12 - 24V DC	Cable	Yes	Red/ Amber/Green/Blue	3.6W	0.34kg
SKH-M1T-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block	None	Red/ Amber/Green/Blue	2.9W	0.30kg
SKH-M1TB-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block	Yes	Red/ Amber/Green/Blue	3.6W	0.31kg
SKH-M2J-R/Y/G/B	Φ100	100 - 240V AC	Cable	None	Red/ Amber/Green/Blue	3.0W	0.36kg
SKH-M2JB-R/Y/G/B	Φ100	100 - 240V AC	Cable	Yes	Red/ Amber/Green/Blue	3.3W	0.37kg
SKH-M2T-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block	None	Red/ Amber/Green/Blue	3.0W	0.33kg
SKH-M2TB-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block	Yes	Red/ Amber/Green/Blue	3.3W	0.34kg
SKP-M1J-R/Y/G/B	Φ150	12 - 24V DC	Cable	None	Red/ Amber/Green/Blue	2.9W	0.67kg
SKP-M2J-R/Y/G/B	Φ150	100 - 240V AC	Cable	None	Red/ Amber/Green/Blue	3.0W	0.70kg

Note: This product not for vehicle use. Please select a compatible product such as the RLR or LFH type.

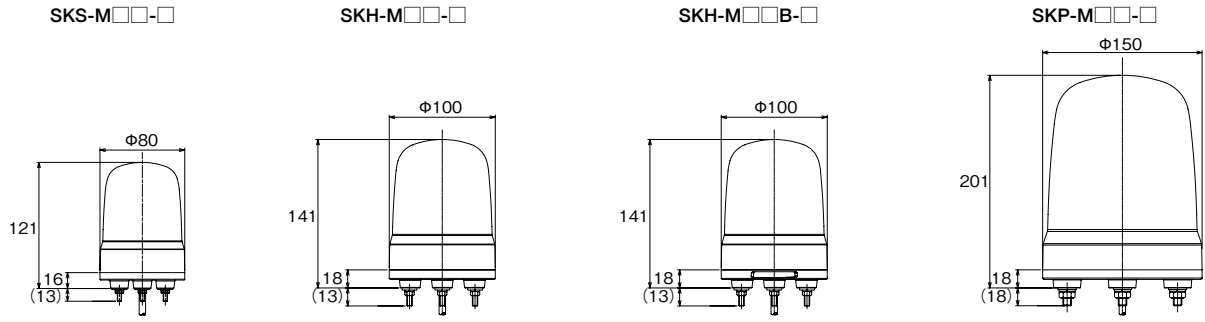
## Optional Parts

For details refer to P. 93 to P. 98

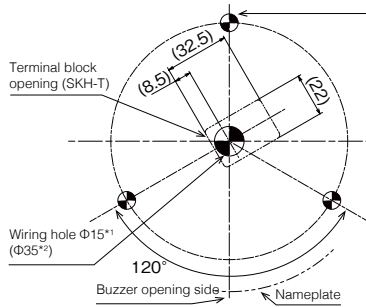
Product Name	Model Number
Wall Mount Waterproof Bracket	SZK-101
Wall Mount Bracket	SZK-102
Wall Mount Bracket	SZK-103
Cover for Wall Mount Bracket	SZK-104
Cover for Wall Mount Bracket	SZK-105
Wall Mount Bracket	SZ-007
Wall Mount Bracket	SZ-008
Wall Mount Bracket	SZ-023

Product Name	Model Number
Ceiling Mount Bracket	SZW-101
Mounting Rubber Gasket	SZW-102
Mounting Rubber Gasket	SZW-102
Mounting Rubber Gasket	SZW-103
Pole Mount Bracket	SZP-101
1/2 in. NPT Bracket	SZP-102
1/2 in. NPT Bracket	SZP-103
1/2 in. NPT Bracket	SZP-104

## Dimensions (mm)



## Mounting Dimensional Drawing (mm)



Mounting Holes (3 places)		Nut (Included)
SKS	Φ5	M4
SKH	Φ6	M5
SKP	Φ9	M8

Mounting Pitch	
SKS	Φ50
SKH	Φ70
SKP	Φ120

Series	Nut	Recommended Tightening Torque
SKS	M4	0.7 N·m
SKH	M5	1.4 N·m
SKP	M8	6.0 N·m

- \* 1 Adjust hole size as needed.
- \* 2 Cord specifications with AC power plug

Multi-Function Beacon

SF New



Φ80 mm	Φ100 mm	LED	Indoor/Outdoor Use	Upright/Sideways*/Inverted* Mounting	Ambient Temperature -20°C~+50°C	Red, Amber, Green, Blue	
Motorless Rotation	Flash	Pulse	88dB	CE	RoHS 10	UL	FCC
ICES	EAC	KC	PSE	NEMA TYPE 4X,13	IP23 (JN)	IP66 (KT)	

\*Indoor only  
\*SF08:86dB



2-point hole mounting, terminal block without buzzer



2-point hole mounting, terminal block with buzzer

● The IP rating on the IP23 type can be increased by using the optional rubber gasket.

Model Number Configuration

SF10-M1KTB-R

- ①
- ②
- ③
- ④

① Size 08 = Φ80mm 10 = Φ100mm	② Rated Voltage M1 = 12-24V DC M2 = 100-240V AC	③ Mounting / Wiring / Buzzer JN: 3-point bolt mounting / Cable / None KTN: 2-point hole mounting / Terminal block / None KTB: 2-point hole mounting / Terminal block / Buzzer	④ Color R = Red    G = Green Y = Amber    B = Blue
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Specification

Supported Transistors	NPN	Alarm Sound	Single tone (peak)	Volume Control	None
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Product List

Model Number	Size (mm)	Rated Voltage	Wiring and Mounting	Alarm	Luminous Color	Power Consumption	Mass
SF08-M1JN-R/Y/G/B	Φ80	12 - 24V DC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	7.7W	0.27kg
SF08-M1KTN-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	7.7W	0.24kg
SF08-M1KTB-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.2W	0.25kg
SF08-M2JN-R/Y/G/B	Φ80	100 - 240V AC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	8.5W	0.3kg
SF08-M2KTN-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	8.5W	0.27kg
SF08-M2KTB-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.8W	0.28kg
SF10-M1JN-R/Y/G/B	Φ100	12 - 24V DC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	7.7W	0.40kg
SF10-M1KTN-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	7.7W	0.39kg
SF10-M1KTB-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.2W	0.40kg
SF10-M2JN-R/Y/G/B	Φ100	100 - 240V AC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	8.5W	0.43kg
SF10-M2KTN-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	8.5W	0.42kg
SF10-M2KTB-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.8W	0.43kg

Note: This product not for vehicle use. Please select a compatible product such as the RLR or LFH type.

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Waterproof Bracket	SZK-101
Wall Mount Bracket	SZK-102
Cover for Wall Mount Bracket	SZK-104
Wall Mount Bracket	SZ-007
Wall Mount Bracket	SZ-008
Wall Mount Bracket	SZ-023

Product Name	Model Number
Ceiling Mount Bracket	SZW-101
Mounting Rubber Gasket	SZW-102
Mounting Rubber Gasket	SZW-103
Pole Mount Bracket	SZP-101
1/2 in. NPT Bracket	SZP-102
1/2 in. NPT Bracket	SZP-103



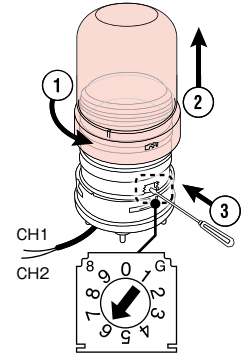
# Wide Light Pattern Selection

Select from 22 light patterns to indicate various statuses at your work place.  
The light pattern can easily be configured by adjusting the rotary switch and wiring channels.

Rotary switch	wiring		CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
	OFF	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON
0	Off		Rotating (120 rpm)		Triple-flash		Rotating (120 rpm)			
1	Off		Rotating (180 rpm)		Triple-flash		Rotating (180 rpm)			
2	Off		Triple-flash		Pulse pattern		Triple-flash			
3	Off		Rotating (60 rpm)		Rotation (120 rpm)		Rotating (180 rpm)			
4	Off		Single-flash		Double-flash		Triple-flash			
5	Triple-flash		Triple-flash		Triple-flash		Triple-flash			
6	Pulse pattern		Pulse pattern		Pulse pattern		Pulse pattern			
7	Rotating (60 rpm)		Rotating (60 rpm)		Rotating (60 rpm)		Rotating (60 rpm)			
8	Rotating (120 rpm)		Rotating (120 rpm)		Rotating (120 rpm)		Rotating (120 rpm)			
9	Rotating (180 rpm)		Rotating (180 rpm)		Rotating (180 rpm)		Rotating (180 rpm)			

= Dimmed    = One side illuminated

Video of light patterns:

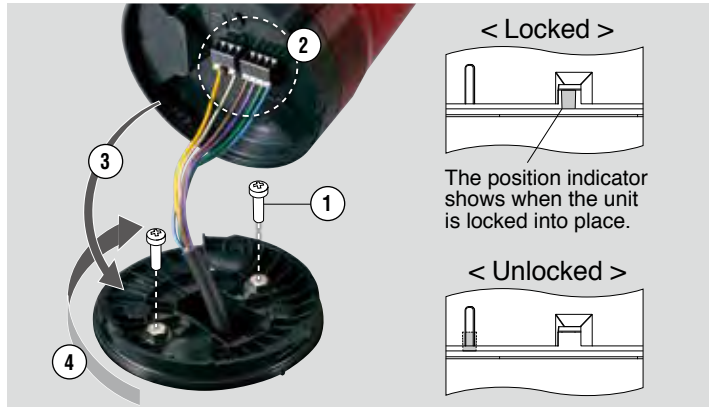


# Easy Mounting

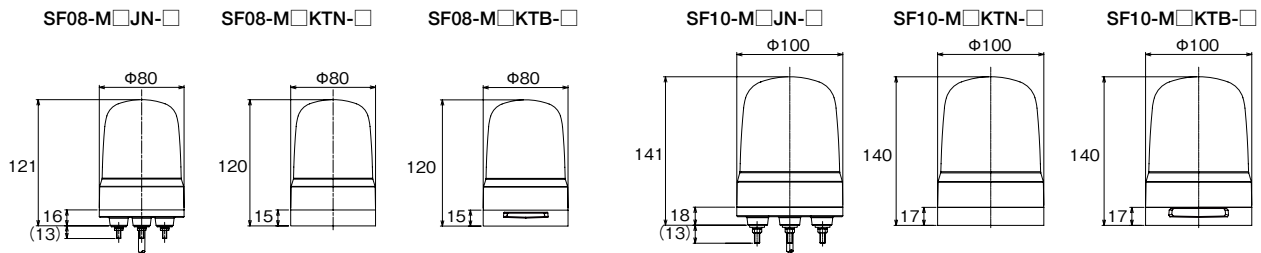
## IP66 rating (KT type)

- 1 Screw in the mounting bracket
- 2 Connect wires to the push-in terminal block
- 3 Mount the body onto the mounting bracket
- 4 Lock into place

Mounting video

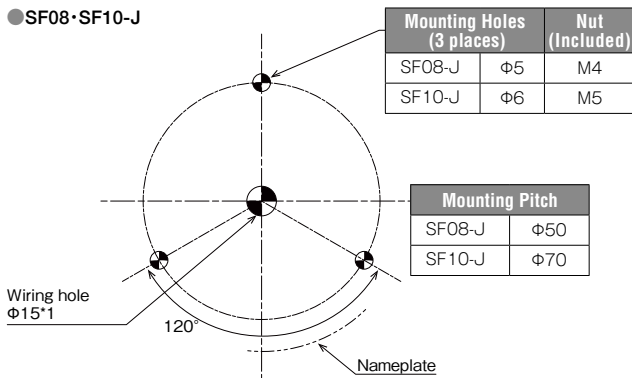


# Dimensions (mm)

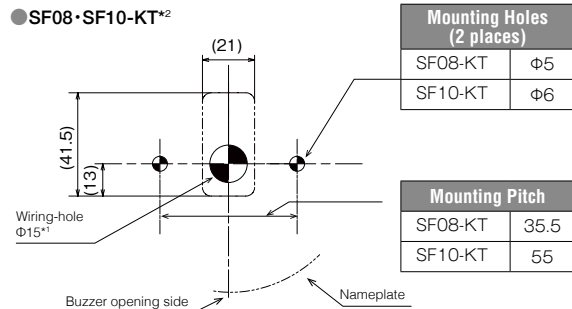


# Mounting Dimensional Drawing (mm)

## ●SF08·SF10-J



## ●SF08·SF10-KT\*2



Model	Screw / Nut	Recommended Tightening Torque
SF08	M4	0.7 N·m
SF10	M5	1.4 N·m

\* 1 Adjust hole size as needed.  
\* 2 Mounting screws not included.

Signal Beacon

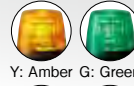
# NE-A

**New**

<b>Φ56 mm</b>	<b>LED</b>	<b>Indoor Use</b>	<b>Mounting in All Directions</b>	<b>Ambient Temperature -30C~+50C</b> NE-24A	<b>Ambient Temperature -25C~+60C</b> NE-M1A	<b>Red, Amber, Green, Blue, White, Multi-color: 7 colors</b>
<b>Continuous On</b>	<b>Blinking</b> M1AN	<b>88dB</b>	<b>2 Alarm Sounds</b>	<b>Touch Sensor</b> M1ATB	<b>CE</b>	<b>RoHS 10</b>
<b>UL</b>	<b>FCC</b> *1	<b>ICES</b> *1	<b>KC</b> *1	<b>IP67 (M1ANN)</b>	<b>IP65</b>	<b>NEMA TYPE 4X,13</b>



Single Color



Multi-Color



Multi-Color / Buzzer / Touch Sensor

\*1. NE-M1A only

## Model Number Configuration

### NE-24A-R

- ①
- ②

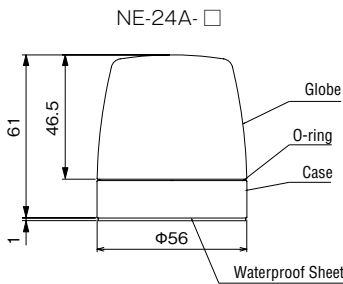
① Rated Voltage 24 = 24V DC	② Color R = Red    B = Blue Y = Amber   C = White G = Green
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### NE-M1ATB-M

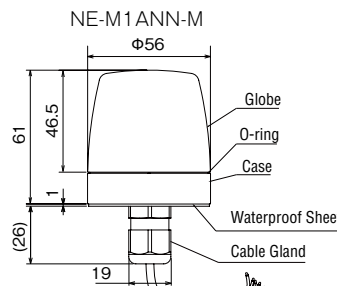
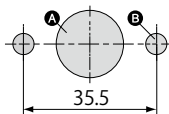
- ①
- ②
- ③
- ④

① Rated Voltage M1 = 12 - 24V DC	② Touch sensor T = Touch sensor N = No touch sensor	③ Buzzer B = Buzzer N = No Buzzer
④ Color M = Multi-color		

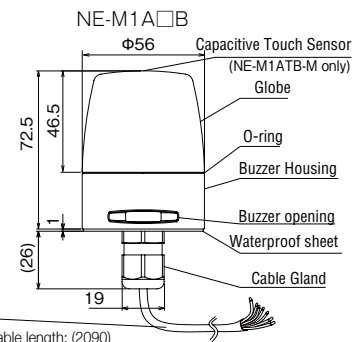
## Dimensions (mm)



**A** Cable exit hole (Φ16)  
With cable gland (Φ26)



UL2464 AWG24 × 7 line color:  
Red/Green/Blue/ Amber/Purple/Pink/Gray



\* Cable length: (2090)

## Product List

Model Number	Rated Voltage	Touch Sensor	Alarm	Luminous Color	Power Consumption	Mass
NE-24A-R	24V DC	None	None	Red	0.7W	0.06kg
NE-24A-Y	24V DC	None	None	Amber	0.7W	0.06kg
NE-24A-G	24V DC	None	None	Green	0.7W	0.06kg
NE-24A-B	24V DC	None	None	Blue	0.7W	0.06kg
NE-24A-C	24V DC	None	None	White	0.7W	0.06kg
NE-M1ANN-M	12 - 24V DC	None	None	Multi-color (7 colors)	1.2W	0.15kg
NE-M1ANB-M	12 - 24V DC	None	Yes	Multi-color (7 colors)	1.8W	0.17kg
NE-M1ATB-M	12 - 24V DC	Yes	Yes	Multi-color (7 colors)	1.8W	0.17kg

## Specification

<b>Supported Transistors</b>	24 : NPN/PNP, M1 : NPN
<b>Alarm Sound</b>	2 sounds (Intermittent, continuous)
<b>Volume Control</b>	None

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Bracket	NE-001D
Wall Mount Bracket	NE-002D

# Rotating Beacon

# RLR

- Φ162 mm**
- LED**
- Indoor/Outdoor Use**
- Upright/Inverted Mounting**
- Ambient Temperature -30°C~+70°C**  
DC specification
- Ambient Temperature -10°C~+50°C**  
AC specifications
- Red, Amber, Green, Blue**
- Vibration resistance 110 m/s<sup>2</sup> (Excluding M2)**
- Motorized Rotation**
- CE (Excluding M2)**
- RoHS 10**
- IP66**



LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

## Model Number Configuration

**RLR-04-P-R**

①                      ②                      ③

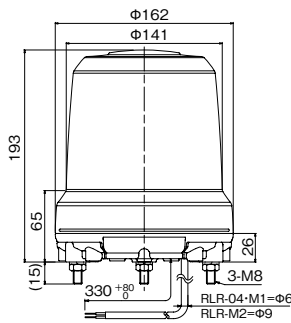
① Rated Voltage 04 = 48V DC M1 = 12/24V DC M2 = 100 - 240V AC	② Mounting Pitch None = Φ140 P = Φ120	③ Luminous Color R = Red Y = Amber G = Green B = Blue
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## Optional Parts

For details refer to P. 93 to P. 98

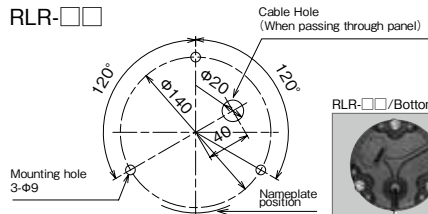
Part Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008

## Dimensions (mm)



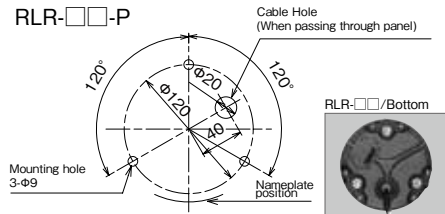
### Mounting Surface Dimensions

RLR-□□



**※Caution※**  
If waterproofing is required, apply waterproofing treatment when wiring.  
If improperly treated, moisture may enter from the end of the power line.

RLR-□□-P



Nominal cross-sectional area: Line type  
RLR-04/M1 : 0.5mm<sup>2</sup>: HVCTF  
RLR-M2 : 0.75mm<sup>2</sup>: VCT

## Product List

Model Number	Rated Voltage	Mounting Pitch	Luminous Color	Power Consumption	Mass
RLR-M1-R/Y/G/B	12V / 24V DC	Φ140	Red / Amber / Green / Blue	7.6W	1.0kg
RLR-04-R/Y/G/B	48V DC	Φ140	Red / Amber / Green / Blue	8.2W	1.0kg
RLR-M2-R/Y/G/B	100 - 240V AC	Φ140	Red / Amber / Green / Blue	7.8W	1.06kg
RLR-M1-P-R/Y/G/B	12V / 24V DC	Φ120	Red / Amber / Green / Blue	7.6W	1.0kg
RLR-04-P-R/Y/G/B	48V DC	Φ120	Red / Amber / Green / Blue	8.2W	1.0kg
RLR-M2-P-R/Y/G/B	100 - 240V AC	Φ120	Red / Amber / Green / Blue	7.8W	1.06kg

Signal Beacon

# LFH

<b>Φ100 mm</b>	<b>LED</b>	<b>Indoor/Outdoor Use</b>	<b>Upright/Sideways/Inverted Mounting</b>	<b>Ambient Temperature -30°C~+70°C</b> DC specification	<b>Ambient Temperature -20°C~+60°C</b> AC specifications	<b>Red, Amber, Green, Blue, White</b>	<b>Vibration resistance 90 m/s<sup>2</sup></b> (Excluding LFM2)
<b>110 Flashes per Minute (LFH)</b>	<b>140 Flashes per Minute (LFH-S)</b>	<b>CE</b> Excluding LFH-S/LFH-48	<b>RoHS 10</b>	<b>UL</b> Excluding LFH-S	<b>FCC</b> Excluding LFH-S	<b>IP66</b>	



## Model Number Configuration

# LFH-12S-R

①
②
③

① Rated Voltage 12 = 12V DC 24 = 24V DC 48 = 48V DC M2 = 100/120/200/230V AC	② Number of Flashes None = 110 ± 10 fpm S = 140 ± 14 fpm	③ Color R = Red B = Blue Y = Amber C = White G = Green
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## Product List

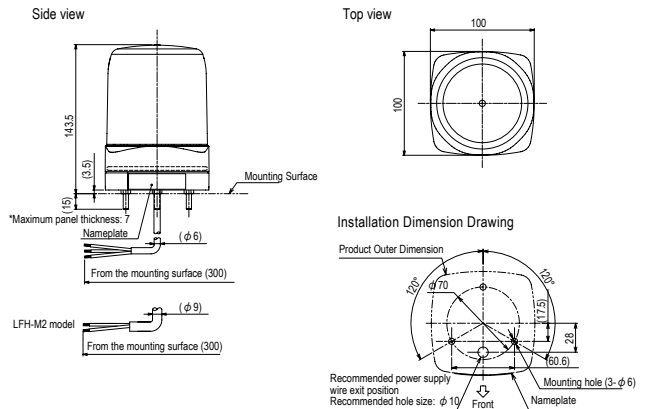
Model Number	Rated Voltage	Number of Flashes (fpm)	Luminous Color	Power Consumption	Mass
LFH-12-R/Y/G/B/C	12V DC	110	Red / Amber / Green / Blue / White	6.0W	0.57kg
LFH-24-R/Y/G/B/C	24V DC	110	Red / Amber / Green / Blue / White	5.5W	0.57kg
LFH-48-R/Y/G/B/C	48V DC	110	Red / Amber / Green / Blue / White	7.5W	0.57kg
LFH-M2-R/Y/G/B/C	100/120/200/230V AC	110	Red / Amber / Green / Blue / White	6.8W	0.61kg
LFH-12S-R/Y/G/B/C	12V DC	140	Red / Amber / Green / Blue / White	6.0W	0.57kg
LFH-24S-R/Y/G/B/C	24V DC	140	Red / Amber / Green / Blue / White	5.5W	0.57kg
LFH-48S-R/Y/G/B/C	48V DC	140	Red / Amber / Green / Blue / White	7.5W	0.57kg

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

## Dimensions (mm)



# Signal Beacon

# REL

**IP65**   **LED**   **Indoor/Outdoor Use**   **Upright/Sideways/Inverted\* Mounting**   **Ambient Temperature -20°C~+55°C**   **Red, Amber**

**110 Flashes per Minute** (M2, 24V DC)   **140 Flashes per Minute** (48V DC)

\*Indoor only



REL

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

## Model Number Configuration

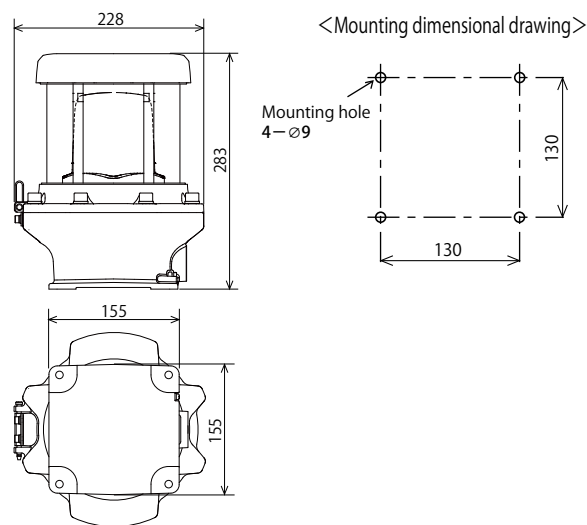
# REL-24-R

①                      ②

① Rated Voltage  
 24 = 24V DC  
 48 = 48V DC\*  
 M2 = 100-230V AC (50/60Hz)  
 \*48V DC only available in amber (-Y)

② Luminous Color  
 R = Red  
 Y = Amber

## Dimensions (mm)



## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Cable Gland	REL-001 (Applicable cable diameter: 7 to 12mm)

## Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
REL-24-R/Y	24V DC	Red/ Amber	5.5W	7.2kg
REL-48-Y	48V DC	Amber	7.5W	7.2kg
REL-M2-R/Y	100 ~ 230V AC	Red/ Amber	6.8W	7.2kg

# Warning Light

# LPT

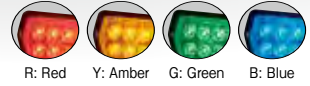
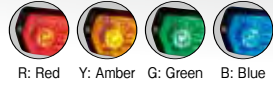
**New**

- LED
- Indoor/Outdoor Use
- Mounting in All Directions
- Ambient Temperature -30°C~75°C
- Red, Amber, Green, Blue
- Vibration resistance 90m/s<sup>2</sup>
- 400 Flashes per Minute  
Triple, Extreme warning
- 67 Flashes per Minute  
Blinking Mode
- Connect up to 20 units
- CE
- RoHS 10
- FCC
- IP68
- NEMA TYPE 4X,13



LPT-2M1

LPT-1M1



## Model Number Configuration

# LPT-1M1-R

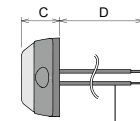
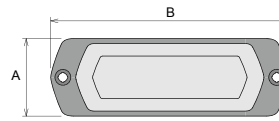
①

②

① Size  
1 = 86.0 × 28.0 (mm)  
2 = 114.4 × 43.4 (mm)

② Luminous Color  
R = Red G = Green  
Y = Amber B = Blue

## Dimensions (mm)



Lead wires (stripped tips) : AVS 0.5mm × 4

Model Number	A	B	C	D
LPT-1M1-□	28.0	86.0	13.5	500
LPT-2M1-□	43.4	114.4	13.5	500

## Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
LPT-1M1-R	12 - 24V DC	Red	3.6W	0.072kg
LPT-1M1-Y	12 - 24V DC	Amber	3.6W	0.072kg
LPT-1M1-G	12 - 24V DC	Green	7.2W	0.072kg
LPT-1M1-B	12 - 24V DC	Blue	6.0W	0.072kg
LPT-2M1-R	12 - 24V DC	Red	13.2W	0.13kg
LPT-2M1-Y	12 - 24V DC	Amber	13.2W	0.13kg
LPT-2M1-G	12 - 24V DC	Green	15.6W	0.13kg
LPT-2M1-B	12 - 24V DC	Blue	14.4W	0.13kg

## Feature

### High Reliability

- Visible from great distances
- High vibration resistance, 90m/s<sup>2</sup>
- IP68 dust-proof, water-proof protection



### Various Light Patterns

Triple Flash	
Extreme Warning Flash	
Continuous On	
Blinking	

The following can be changed according to preset settings \*

- Flash pattern
- Simultaneous or alternating flash (when multiple units are connected)

\* Factory default: Triple-flash, simultaneous flash

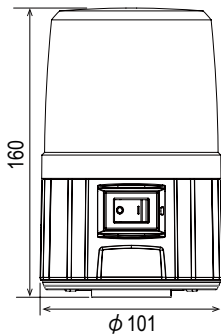
## Battery-powered Signal Beacon

# PFH

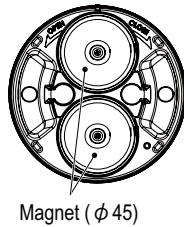


### Dimensions (mm)

Side view



Bottom view

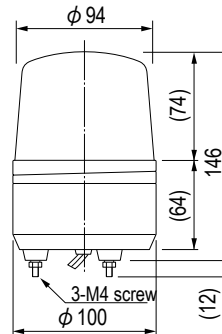


## Small Rotating Beacon

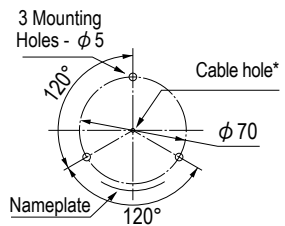
# SKH-EA



### Dimensions (mm)



Installation Dimension Drawings



\*To pass a 100V plug a Φ30 cable hole is required.

### Product List

Model Number	Power Supply	Luminous Color	Mass
PFH-BT-R/Y	4 AA alkaline or nickel metal hydride batteries	Red/Amber	0.51 kg (without batteries)

- Change flash pattern or lighting mode as conditions change such as indoor/outdoor or day/night.

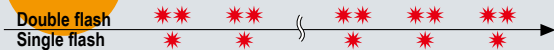
#### High visibility Power mode

Battery life (24 h) \*

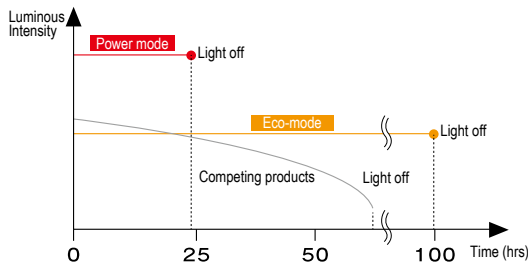


#### Long-lasting Eco Mode

Battery life (100 h) \*



\* Battery life will vary depending on battery type and environmental conditions.



As the battery wears out the light will not dim but visibility and brightness are maintained until the end.

### Product List

Model Number	Rated Voltage	Bulb	No.	Luminous Color	Power Consumption	Mass
SKH-12EA-R/Y/G/B	12V DC	12V 10W	9	Red/ Amber/ Green/Blue	9.6W	0.4kg
SKH-24EA-R/Y/G/B	24V DC	24V 10W	10	Red/ Amber/ Green/Blue	12.0W	0.4kg
SKH-100EA-R/Y/G/B	100V AC	12V 5W	12	Red/ Amber/ Green/Blue	6.2W	0.6kg
SKH-200EA-R/Y/G/B	200V AC	12V 5W	12	Red/ Amber/ Green/Blue	6.5W	0.6kg

Bulb shape...Halogen bulb cap BA15S

Bulb No.	Model Number
9	D01201003A-F1
10	D02401003A-F1
12	D01200503A-F1

\* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

### Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

Rotating Signal Tower

# KES/KESB

80 mm	LED	Indoor/Outdoor Use	Upright Mounting	Ambient Temperature -30°C~+60°C	Red, Amber, Green
Motorized Rotation	85dB	1 Alarm Sounds	IP23		



KES Type  
KESB Type (with buzzer)

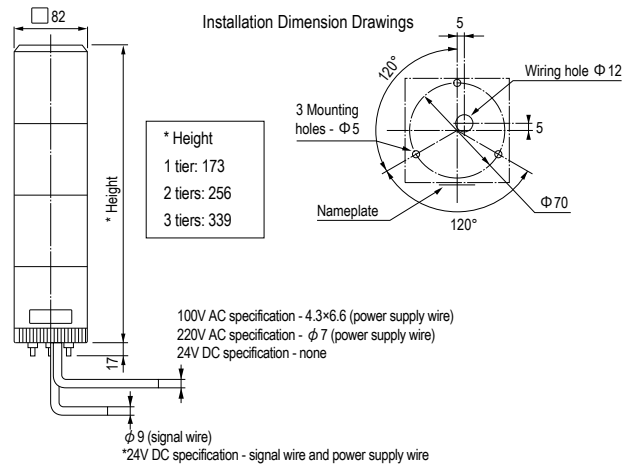
## Model Number Configuration

# KESB-302-RYG

①      ②      ③      ④

① Buzzer None = None B = Buzzer	② Number of Tiers 1 = 1 Tier 2 = 2 Tiers 3 = 3 Tiers	③ Rated Voltage 02 = 24V DC 10 = 100V AC 20 = 220V AC	④ Color R = Red Y = Amber G = Green (Top to bottom)
---------------------------------------	---	--	---

## Dimensions (mm)



## Specification

Supported Transistors	NPN
Alarm Tone	Single tone (for KESB only)
Volume Control	Not adjustable

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

## Product List

Model Number	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption (KES)	Power Consumption (KESB)	Mass
KES(B)-102-R/Y/G	1	24V DC	Red / Amber / Green	5.5W	5.5W	0.4kg
KES(B)-110-R/Y/G	1	100V AC	Red / Amber / Green	6.4W	7.3W	0.8kg
KES(B)-120-R/Y/G	1	220V AC	Red / Amber / Green	6.4W	7.3W	0.8kg
KES(B)-202-RY/RG	2	24V DC	Red, Amber / Red, Green	10.5W	11.5W	1.0kg
KES(B)-210-RY/RG	2	100V AC	Red, Amber / Red, Green	10.5W	11.0W	1.4kg
KES(B)-220-RY/RG	2	220V AC	Red, Amber / Red, Green	10.5W	11.0W	1.4kg
KES(B)-302-RYG	3	24V DC	Red, Amber, Green	15.5W	16.5W	1.4kg
KES(B)-310-RYG	3	100V AC	Red, Amber, Green	14.0W	15.0W	1.8kg
KES(B)-320-RYG	3	220V AC	Red, Amber, Green	14.0W	15.0W	1.8kg



# Rotating Signal Tower

# KJS/KJSB

- 82 mm
- Indoor/Outdoor Use
- Upright Mounting
- Ambient Temperature -30°C~+60°C
- Red, Amber, Green, Blue
- Motorized Rotation
- 85dB
- 1 Alarm Sounds
- IP23



KJS Type  
KJSB Type (with buzzer)

## Model Number Configuration

# KJSB-302-RYG

①      ②      ③      ④

① Buzzer None = None B = Buzzer	② Number of Tiers 1 = 1 Tier 2 = 2 Tiers 3 = 3 Tiers	③ Rated Voltage 01 = 12V DC 02 = 24V DC 10 = 100V AC 20 = 220V AC	④ Color R = Red    G = Green Y = Amber    B = Blue (Top to bottom)
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## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

Bulb No.	Model Number
10	D02401003A-F1
12	D01200503A-F1

\* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

## Specification

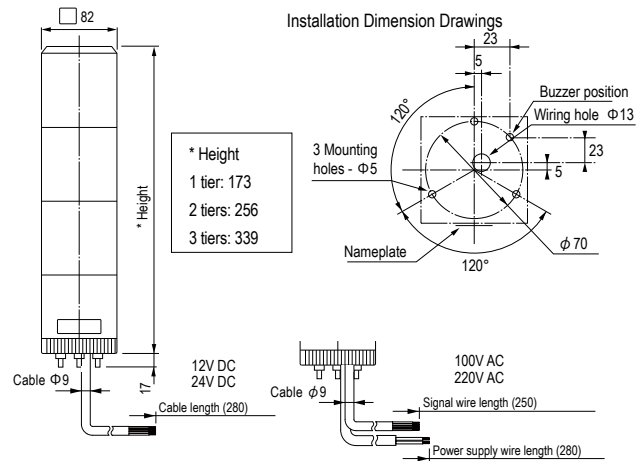
Supported Transistors	NPN
Alarm Tone	Single tone (for KJSB only)
Volume Control	Not adjustable

## Product List

Model Number	Number of Tiers	Rated Voltage	Bulb	No.	Luminous Color	Power Consumption (KJS)	Power Consumption (KJSB)	Mass
KJS(B)-102-R/Y/G/B	1	24V DC	24V 10W	10	Red/ Amber / Green / Blue	13.3W	14.4W	0.7kg
KJS(B)-110-R/Y/G/B	1	100V AC	12V 5W	12	Red/ Amber / Green / Blue	9.0W	9.5W	0.7kg
KJS(B)-120-R/Y/G/B	1	220V AC	12V 5W	12	Red/ Amber / Green / Blue	9.0W	9.5W	0.7kg
KJS(B)-201-RY/RG	2	12V DC	12V 5W	12	Red, Amber / Red, Green	11.5W	11.9W	1.2kg
KJS(B)-202-RY/RG	2	24V DC	24V 10W	10	Red, Amber / Red, Green	26.5W	27.6W	1.2kg
KJS(B)-210-RY/RG	2	100V AC	12V 5W	12	Red, Amber / Red, Green	17.2W	17.8W	1.2kg
KJS(B)-220-RY/RG	2	220V AC	12V 5W	12	Red, Amber / Red, Green	17.2W	17.8W	1.2kg
KJS(B)-301-RYG	3	12V DC	12V 5W	12	Red, Amber, Green	17.3W	17.6W	1.6kg
KJS(B)-302-RYG	3	24V DC	24V 10W	10	Red, Amber, Green	39.7W	40.9W	1.6kg
KJS(B)-310-RYG	3	100V AC	12V 5W	12	Red, Amber, Green	25.8W	26.4W	1.6kg
KJS(B)-320-RYG	3	220V AC	12V 5W	12	Red, Amber, Green	25.8W	26.4W	1.6kg

Bulb shape...Glass bulb G18 base BA15S

## Dimensions (mm)



# Rotating Signal Tower

# KJ/KJB

- 116 mm**
- Indoor/Outdoor Use**
- Upright Mounting**
- Ambient Temperature -30°C~+60°C**
- Red, Amber, Green, Blue**
- Motorized Rotation**
- 85dB**
- 1 Alarm Sounds**
- IP23**



KJ Type  
KJB Type (with buzzer)

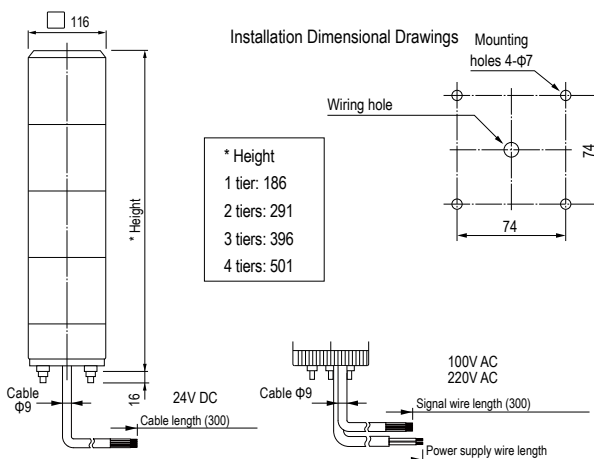
## Model Number Configuration

# KJB-420-RYGB

①      ②      ③      ④

① Buzzer None = None B = Buzzer	② Number of Tiers 1 = 1 Tier 2 = 2 Tiers 3 = 3 Tiers 4 = 4 Tiers	③ Rated Voltage 02 = 24V DC 10 = 100V AC 20 = 220V AC	④ Color R = Red      G = Green Y = Amber    B = Blue (Top to bottom)
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## Dimensions (mm)



## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-023
Wall Mount Bracket	SZ-008

Bulb Number	Model Number
10	D02401003A-F1
12	D01200503A-F1

\* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

## Specification

<b>Supported Transistors</b>	NPN
<b>Alarm Tone</b>	Single tone (peak) (KJB only)
<b>Volume Control</b>	Adjustable

## Product List

Model Number	Number of Tiers	Rated Voltage	Bulb	No.	Luminous Color	Power Consumption (KJ)	Power Consumption(KJB)	Mass
KJ(B)-110-R/Y/G/B	1	100V AC	12V 5W	12	Red/Amber/Green/Blue	7.5W	7.8W	1.2kg
KJ(B)-120-R/Y/G/B	1	220V AC	12V 5W	12	Red/Amber/Green/Blue	7.5W	7.8W	1.2kg
KJ(B)-202-RY/RG	2	24V DC	24V 10W	10	Red, Amber / Red, Green	26.6W	27.2W	1.5kg
KJ(B)-210-RY/RG	2	100V AC	12V 5W	12	Red, Amber/ Red, Green	12.5W	12.9W	2.0kg
KJ(B)-220-RY/RG	2	220V AC	12V 5W	12	Red, Amber/ Red, Green	12.5W	12.9W	2.0kg
KJ(B)-302-RYG	3	24V DC	24V 10W	10	Red, Amber, Green	40.0W	40.6W	2.0kg
KJ(B)-310-RYG	3	100V AC	12V 5W	12	Red, Amber, Green	17.3W	17.7W	2.5kg
KJ(B)-320-RYG	3	220V AC	12V 5W	12	Red, Amber, Green	17.3W	17.7W	2.5kg
KJ(B)-402-RYGB	4	24V DC	24V 10W	10	Red, Amber, Green, Blue	53.3W	53.9W	2.5kg
KJ(B)-410-RYGB	4	100V AC	12V 5W	12	Red, Amber, Green, Blue	22.1W	22.5W	3.0kg
KJ(B)-420-RYGB	4	220V AC	12V 5W	12	Red, Amber, Green, Blue	22.1W	22.5W	3.0kg



Audible Alarm

# BM

- Φ30 mm**
- Indoor/Outdoor Use**
- Upright/Sideways/Inverted\* Mounting**
- Ambient Temperature -10°C~+60°C**
- 2 Inputs**
- 75-90dB**
- 2 Alarm Sounds**

\* Indoor Only

- CE (24V DC)**
- RoHS 10**
- IP30**
- IP34 (D type only)**

Wall-mounted (D type)



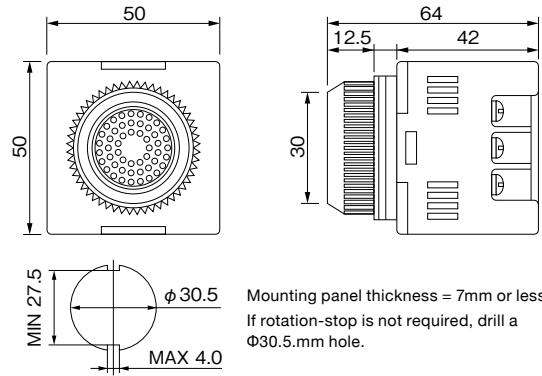
## Model Number Configuration

# BM-220D

①                      ②

<p>① Rated Voltage 202 = 24V AC/DC 210 = 100V AC 220 = 220V AC</p>	<p>② Specification None = Standard Type H = High Volume Type D = Drip-proof Type</p>
--	--

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Specifications	Power Consumption	Mass
BM-202	24V AC/DC	Standard	0.4W	0.12kg
BM-210	100V AC	Standard	2.5W	0.12kg
BM-220	220V AC	Standard	3.5W	0.12kg
BM-202H	24V AC/DC	High Volume Type	0.4W	0.13kg
BM-210H	100V AC	High Volume Type	2.5W	0.13kg
BM-220H	220V AC	High Volume Type	3.5W	0.14kg
BM-202D	24V AC/DC	Drip-proof Type	0.4W	0.14kg
BM-210D	100V AC	Drip-proof Type	2.5W	0.15kg
BM-220D	220V AC	Drip-proof Type	3.5W	0.15kg

## Sound Specification

<b>Alarm Sound</b>	Rapid Hi-Lo (CH1), Stutter (CH2)
<b>Volume Control</b>	Not adjustable

# Slim MP3 Voice Annunciator

# BSV/BSV-L

- 75 mm**
- Indoor/Outdoor Use**
- Upright/Sideways/Inverted\* Mounting**
- Ambient Temperature -10°C~+50°C**
- 4/15 bit/binary Inputs**
- 87dB**
- Playback Length 63 seconds**
- Playback Length 520 seconds (BSV-L)**

\* Indoor Only

- CE**
- RoHS 10**
- UL**
- FCC**
- IP54 (Panel Mounting)**



**BSV/BSV-L**

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice and Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

## Model Number Configuration

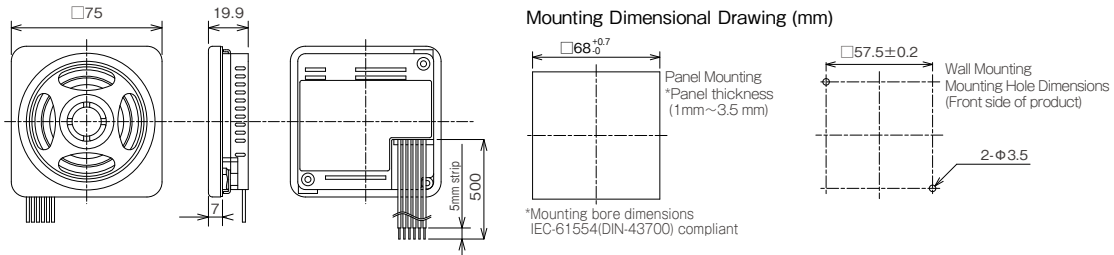
# BSV-24NLM-W

- ①
- ②
- ③
- ④

① Supported Transistors N = NPN P = PNP	② Recording Time L = 520 seconds None = 63 seconds	③ Pre-recorded Message None = None (15 built-in sounds)	④ Cover Color W = Off White D = Dark Gray S = Silver
---	--	--	---



## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Supported Transistors	Recording Time	Pre-recorded Message	Cover Color	Power Consumption	Mass
BSV-24N(L)-W/D/S	12 - 24V DC	NPN	63 seconds/520 seconds	None	Off-white, Dark Gray, Silver	3.5W	0.1kg
BSV-24P(L)-W/D/S	12 - 24V DC	PNP	63 seconds/520 seconds	None	Off-white, Dark Gray, Silver	3.5W	0.1kg
BSV-24N(L)M-W/D/S	12 - 24V DC	NPN	63 seconds/520 seconds	Yes	Off-white, Dark Gray, Silver	3.5W	0.1kg
BSV-24P(L)M-W/D/S	12 - 24V DC	PNP	63 seconds/520 seconds	Yes	Off-white, Dark Gray, Silver	3.5W	0.1kg

## Sound Specification

<b>Volume Control</b>	Rotating knob
<b>Sound File Format</b>	MP3 (Bit rate: 32 kbps, 64kbps)

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

## Alarm Sound Selection Chart

**Maximum 15-message playback (BSV-M type)**

**15 built-in standard alarm sounds (BSV type)**

Contains 15 standard alarm sounds.

No.1 Chime	No.2 Beep	No.3 Stutter	No.4 Bell	No.5 Yelp
No.6 Rapid Hi-Lo	No.7 Melody Chime	No.8 Synthesized Piano	No.9 Synthesized Bell	No.10 Stutter & Bell
No.11 Synthesized Melody	No.12 Call Sign	No.13 Inverted Reveille x3	No.14 Galactic Motor	No.15 Two Tone

Note:

1. Changing or adding messages will delete all standard alarms and MP3 data in the main unit's memory.
2. Changing operation modes requires an SD card (SDV-2GP, sold separately).
3. Operation is not guaranteed when using other types of SD cards.
4. Change input mode to binary in order to access all 15 sounds.

**Operation Modes**

Modes			
A	Bit input and normal playback	C	Bit input and hold playback
E	Binary input and normal playback	G	Binary input and hold playback
B	Playback prioritizing bit input and subsequent input	D	Bit input and memory playback
F	Playback prioritizing binary input and subsequent input	H	Binary input and memory playback

Audible Alarm for Panel Mounting

# BD-A

80 mm	Indoor/Outdoor Use	Upright/Sideways/Inverted Mounting	Ambient Temperature -20°C~+55°C	4 Inputs	90dB	32 Alarm Sounds
CE (DC Type)	RoHS 10	UL (DC Type)	FCC	IP54		



-J (Light gray)

-K (Dark gray)

## Model Number Configuration

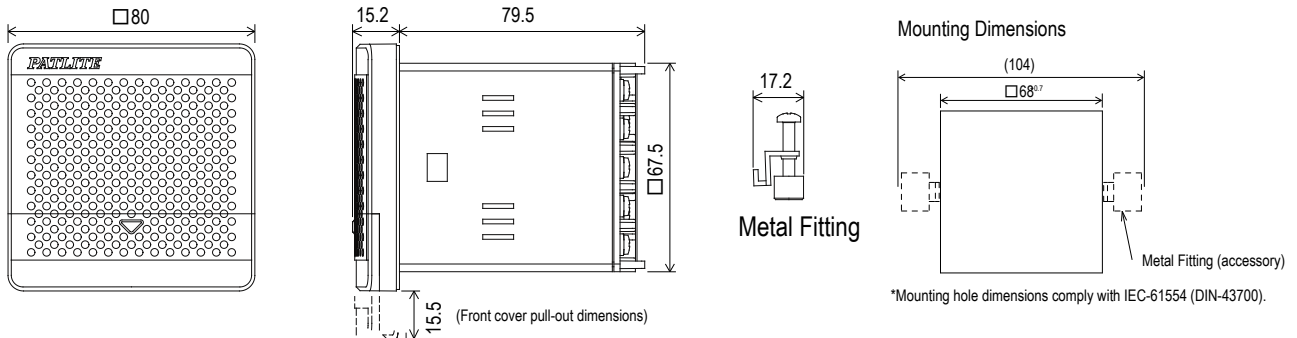
# BD-24AA-J

①                      ②                      ③

① Rated Voltage 24 = 12 - 24V DC 100 = 100/220V AC	② Alarm Type* A = Type A C = Type C D = Type D E = Type E	③ Body Color - Front J = Light Gray K = Dark Gray
--	---	---

\* Please refer to the Sound Selection Chart on page 84 for alarm details.

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Alarm Type	Body Color - Front	Power Consumption	Mass
BD-24A □ -J/K	12 - 24V DC	A/C/D/E	Light Gray, Dark Gray	4.0W	0.16kg
BD-100A □ -J/K	100/220V AC	A/C/D/E	Light Gray, Dark Gray	5.0W	0.18kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

# MP3 Voice Annunciator for Panel Mounting

# BDV



- 80 mm
- Indoor/Outdoor Use
- Upright/Sideways/Inverted Mounting
- Ambient Temperature -10°C~+50°C
- bit / binary 4/15 Inputs
- 87dB
- Playback Length 63.5 seconds
- CE (DC Type)
- RoHS 10
- IP54

\* Indoors for sideways and inverted directions.



-J (Light gray)

-K (Dark gray)

BDV

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

## Model Number Configuration

# BDV-15JF-J

①                      ②

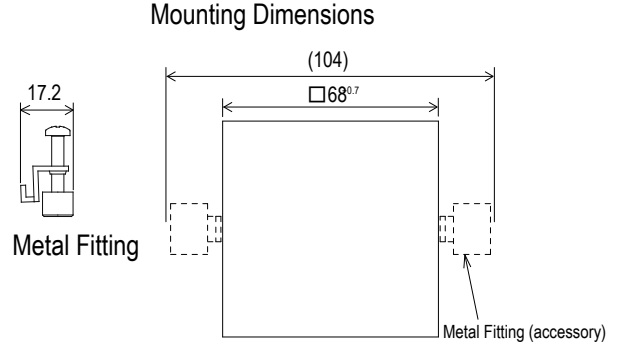
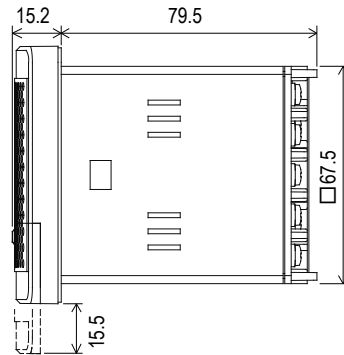
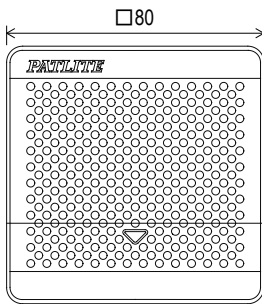
- ① Rated Voltage  
J = 12 - 24V DC  
K = 100 / 220V AC
- ② Body Color - Front  
J = Light Gray  
K = Dark Gray

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

## Dimensions (mm)



\*Mounting hole dimension complies with IEC 61554 (DIN 43700).

## Product List

Model Number	Rated Voltage	Body Color - Front	Power Consumption	Mass
BDV-15JF-J/K	12 - 24V DC	Light Gray, Dark Gray	4W	0.22kg
BDV-15KF-J/K	100 / 220V AC	Light Gray, Dark Gray	5W	0.34kg

## Other Specifications

Supported Transistors	NPN
Sound File Format	MP3 data (Bit rate: 64 kbps/Sample rate: 44.1kHz)

# Audible Alarm for Panel Mounting

# BK

- 120**  
mm
- Indoor/Outdoor Use**
- Upright/Sideways/Inverted\***  
Mounting
- Ambient Temperature**  
-20°C~+50°C
- bit/binary**  
8/32 Inputs
- 95dB**
- 32**  
Alarm Sounds

\* Indoor Only

- CE**  
(DC Type)
- RoHS 10**
- IP54**



## Model Number Configuration

**BK-24A-J**

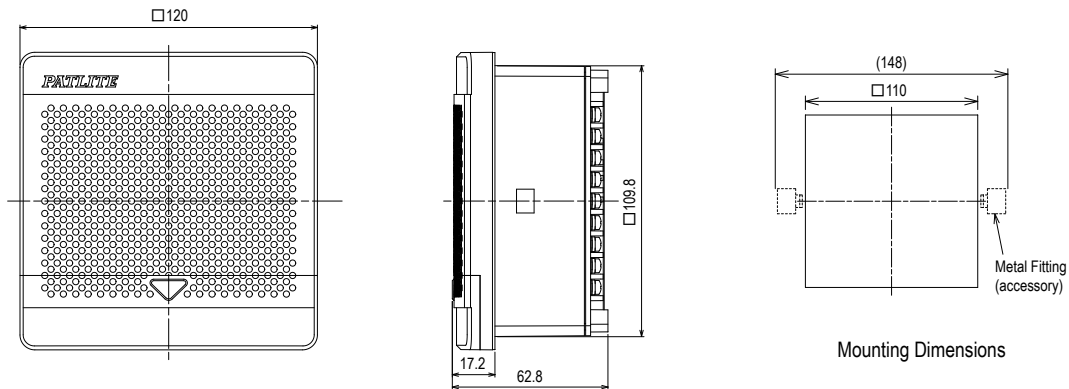
①
②
③

① Rated Voltage 24 = 12 - 24V DC 100 = 100V AC 220 = 220V AC	② Alarm Type* A = Type A C = Type C D = Type D E = Type E	③ Colors J = Light Gray K = Dark Gray
---	---	---

The following custom specifications are available.  
● PNP open collector specifications

\* Please refer to the Sound Selection Chart on page 84 for alarm details.

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Alarm Type	Color	Power Consumption	Mass
BK-24 □ -J/K	12 - 24V DC	A/C/D/E	Light Gray, Dark Gray	12W	0.35kg
BK-100 □ -J/K	100V AC	A/C/D/E	Light Gray, Dark Gray	10W	0.53kg
BK-220 □ -J/K	220V AC	A/C/D/E	Light Gray, Dark Gray	11W	0.53kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Mounting Bracket	BK-001 (2 fixed seals attached)
Mounting Bracket	BK-002-J
Mounting Bracket	BK-002-K
SD Card (2GB)	SDV-2GP

\* BK-001 can be used to install the product with □130mm mounting holes from older models.



# MP3 Voice Annunciator for Panel Mounting

# BKV



- 120 mm
  - Indoor/Outdoor Use
  - Upright/Sideways\*/Inverted\* Mounting
  - Ambient Temperature -10°C~+50°C
  - bit/binary 5/31 Inputs
  - 95dB
  - Playback Length 63 seconds
  - CE (D-C Type)
  - RoHS 10
  - IP54
- \* Indoor Only



**BKV**

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

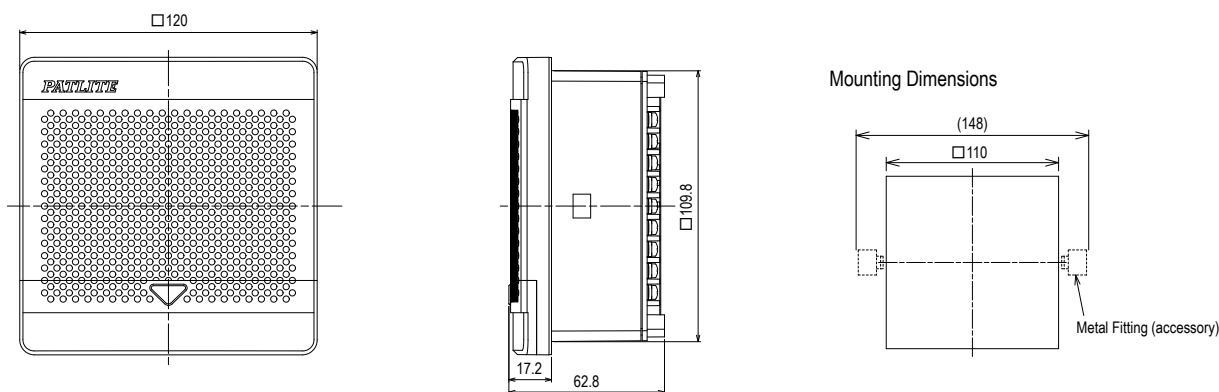
## Model Number Configuration

# BKV-31JF-J

①                      ②

- ① Rated Voltage  
J = 12 - 24V DC  
K = 100V AC  
Q = 220V AC
- ② Colors  
J = Light Gray  
K = Dark Gray

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Color	Power Consumption	Mass
BKV-31JF-J/K	12-24V DC	Light Gray, Dark Gray	9W	0.35kg
BKV-31KF-J/K	100V AC	Light Gray, Dark Gray	10W	0.53kg
BKV-31QF-J/K	220V AC	Light Gray, Dark Gray	10W	0.53kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound file	MP3 (Bit rate: 64 kbps/Sample rate: 44.1kHz)

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Mounting Bracket	BK-001 (2 fixed seals attached)
Mounting Bracket	BK-002-J
Mounting Bracket	BK-002-K
SD Card (2GB)	SDV-2GP

## Audible Alarm Horn

# EHS

Indoor/ Outdoor Use	Upright/ Sideways/ Inverted Mounting	Ambient Temperature -20°C~+50°C	bit / binary 8/32 Inputs	110dB	32 Alarm Sounds
CE (DC Type)	RoHS 10	UL	FCC	KC	IP65



### Model Number Configuration

## EHS - M1HA

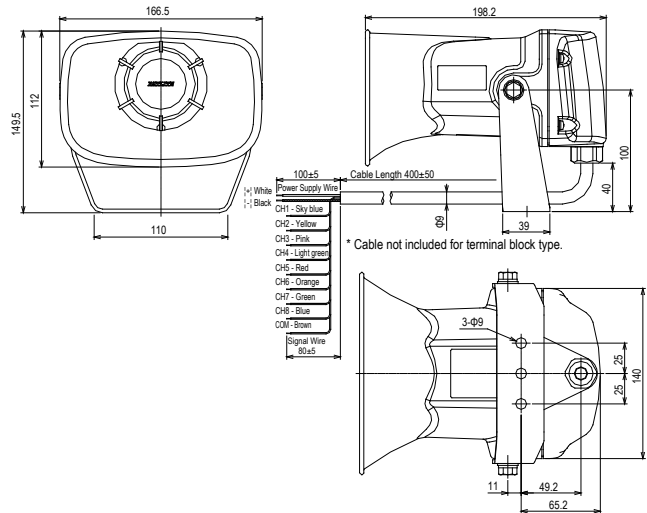
- ①                      ②                      ③

① Rated Voltage M1 = 12 - 24V DC M2 = 100 - 240V AC M3 = 12 - 48V DC (mountable in vehicle)	② Wiring Method H = Cable T = Terminal Block	③ Alarm Type* A = Type A C = Type C D = Type D E = Type E
---	--	---

Note: M3 Specifications  
 · H: Cable type only  
 · Mountable in vehicle

\* Please refer to the Sound Selection Chart on page 84 for alarm details.

### Dimensions (mm)



### Product List

Model Number	Rated Voltage	Wiring Method	Alarm Type	Power Consumption	Mass
EHS-M1H □	12 - 24V DC	Cable	A/C/D/E	7.6W	1.25kg
EHS-M1T □	12 - 24V DC	Terminal Block	A/C/D/E	7.6W	1.25kg
EHS-M2H □	100V - 240V AC	Cable	A/C/D/E	7.3W	1.25kg
EHS-M2T □	100V - 240V AC	Terminal Block	A/C/D/E	7.3W	1.25kg
EHS-M3H □	12 - 48V DC	Cable	A/C/D/E	5.5W	1.25kg

### Other Specifications

Supported Transistors	M1:NPN/PNP M2/M3:NPN
Volume Control	Rotating knob

### Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

# MP3 Voice Annunciator Horn

# EHV



- Indoor/Outdoor Use
- Upright/Sideways/Inverted Mounting
- Ambient Temperature -20°C~+50°C
- bit/binary 8/63 Inputs
- 110dB
- 63 Alarm Sounds
- Playback Length 220 seconds

\*MP3 is 105dB

- CE (DC Type)
- RoHS 10
- UL (Excluding M3)
- FCC (Excluding M3)
- KC (Excluding M3)
- IP65



Note: Sound reduction feature can be specified at the time of order or by using Patlite's Playlist Editor 2.

## Model Number Configuration

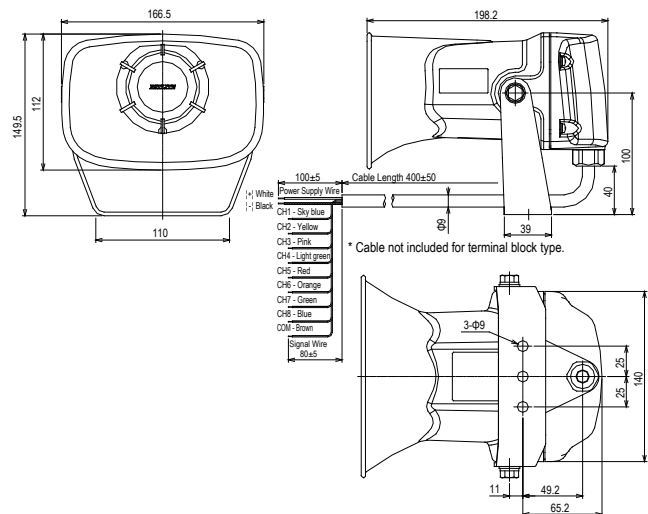
# EHV-M1HF

- 1
- 2
- 3

- |   |  |   |
|---|--|---|
| ① Rated Voltage<br>M1 = 12 - 24V DC<br>M2 = 100 - 240V AC<br>M3 = 12 - 48V DC (mountable in vehicle)<br>Note: M3 Specifications<br>· H: Cable type only<br>· Mountable in vehicle | ② Wiring Method<br>H = Cable<br>T = Terminal Block | ③ Alarm Type*<br>F = Type F<br>G = Type G |
|---|--|---|

\* Please refer to the Sound Selection Chart on page 84 for alarm details.

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Wiring Method	Alarm Type	Pre-recorded Message	Power Consumption	Mass
EHV-M1H <input type="checkbox"/>	12 - 24V DC	Cable	F/G	None	8.0W	1.25kg
EHV-M1T <input type="checkbox"/>	12 - 24V DC	Terminal Block	F/G	None	8.0W	1.25kg
EHV-M2H <input type="checkbox"/>	100~240V AC	Cable	F/G	None	7.9W	1.25kg
EHV-M2T <input type="checkbox"/>	100~240V AC	Terminal Block	F/G	None	7.9W	1.25kg
EHV-M1H <input type="checkbox"/> M	12 - 24V DC	Cable	F/G	Yes	8.0W	1.25kg
EHV-M1T <input type="checkbox"/> M	12 - 24V DC	Terminal Block	F/G	Yes	8.0W	1.25kg
EHV-M2H <input type="checkbox"/> M	100~240V AC	Cable	F/G	Yes	7.9W	1.25kg
EHV-M2T <input type="checkbox"/> M	100~240V AC	Terminal Block	F/G	Yes	7.9W	1.25kg
EHV-M3H <input type="checkbox"/>	12-48V DC	Cable	F/G	None	6.1W	1.25kg
EHV-M3H <input type="checkbox"/> M	12-48V DC	Cable	F/G	Yes	6.1W	1.25kg

## Other Specifications

Supported Transistors (NPN / PNP)	M1: NPN/PNP, M2/M3: NPN
Volume Control	Rotating knob or by program (-10 dB, -20 dB, -30 dB)
Sound File Format	MP3 data (Bit rate: 32 kbps, 64 kbps, 128 kbps/Sample rate: 44.1kHz)

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

MP3 File Playback Circuit Board

# FV-127JP



Ambient Temperature  
-10°C~+50°C

bit / binary  
7/127  
Inputs

Playback Length  
8 min

Playback Length  
240 min  
(with SD card)

RoHS  
10



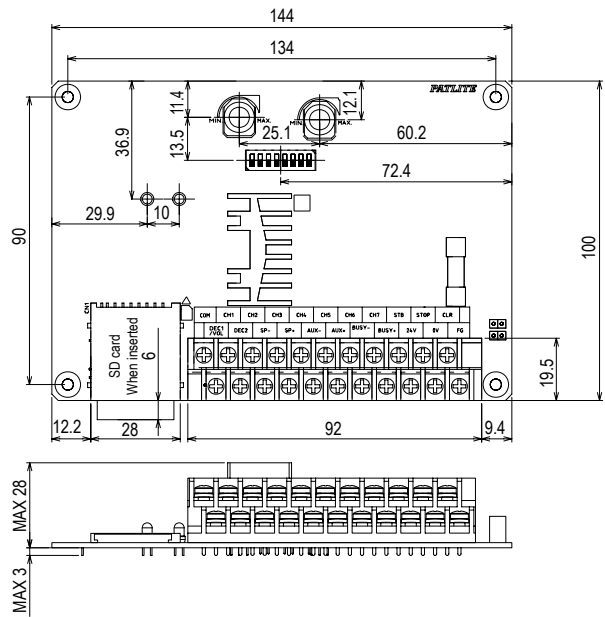
## Model Number Configuration

# FV-127JP

①                      ②                      ③

① Maximum Number of Messages    ② Rated Voltage    ③  
127 = 127 messages                      J = 24V DC                      P = Printed circuit board type

## Dimensions (mm)



## Product List

Model Number	Rated Voltage	Power Consumption	Mass
FV-127JP	24V DC	15W	0.16kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound File Format	MP3 data (Bit rate: 32 k bps, 64kbps, 128 kbps/Sample rate: 44.1kHz)

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Speaker (2W 8Ω)	SPB-2E-W
Speaker (5W 8Ω)	SPB-5E
Speaker (5W 8Ω)	SPW-5E
Speaker (5W 8Ω)	SPL-5E
Horn Speaker (10W, 8Ω)	SPH-10EA
SD Card (2GB)	SDV-2GP



## Signal Tower with Horn/Signal Tower with MP3 Voice Annunciator Horn

# LKEH-F□/ FV

<b>Φ100 mm</b>	<b>LED</b>	<b>Indoor/Outdoor Use</b>	<b>Upright Mounting</b>	<b>Ambient Temperature -10°C~+50°C</b>	<b>Red, Amber, Green, Blue, White</b>	<b>Change Number of Tiers</b>	<b>bit / binary 8/32 Inputs</b> <small>F□ model</small>	<b>bit / binary 5/31 Inputs</b> <small>FV model</small>
<b>60 Flashes per Minute</b>	<b>105dB</b>	<b>32 Alarm Sounds</b> <small>F□ model</small>	<b>Playback Length 63 seconds</b> <small>FV model</small>	<b>CE (DC Type)</b>	<b>RoHS 10</b>	<b>UL (UL in part no.)</b>	<b>IP53</b>	



### Model Number Configuration

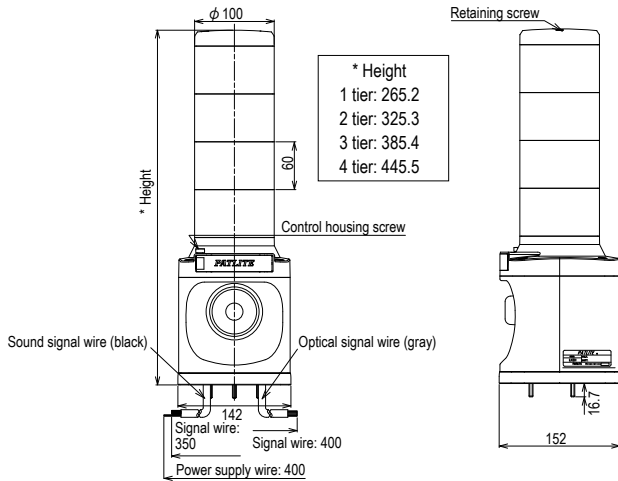
# LKEH-402FAUL-RYGB

①      ②      ③      ④      ⑤

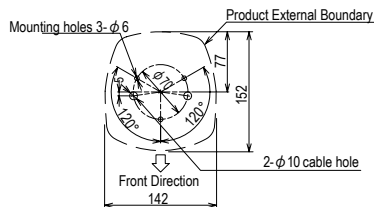
① Number of Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers	② Rated Voltage 02 = 24V DC 10 = 100V AC 20 = 220V AC	③ Alarm Type* A = Type A C = Type C D = Type D E = Type E V = MP3 Sound File	④ Conformity Standards None = Standard model UL = UL model	⑤ Luminous Color R = Red B = Blue Y = Amber C = White G = Green From top to bottom
--	--	---	--	---

\* Please refer to the Sound Selection Chart on page 84 for alarm details.

### Dimensions (mm)



Installation Dimension Drawings



### Other Specifications

<b>Supported Transistors</b>	NPN (custom order: PNP)
<b>Volume Control</b>	Rotating knob
<b>Sound File Format (FV model only)</b>	MP3 data (bit rate: 64 kbps / sample rate: 44.1 kHz)

### Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Mounting Bracket	SZ-008
SD Card (2GB)	SDV-2GP

### Replacement Parts

Product Name	Part Number
Red LED Unit	B72100151-1F1
Amber LED Unit	B72100151-2F1
Green LED Unit	B72100151-3F1
Blue LED Unit	B72100151-4F1
White LED Unit	B72100151-7F1
Retaining Screw for 1 tier	B62910033-1F2
Retaining Screw for 2 tier	B62910033-2F2
Retaining Screw for 3 tier	B62910033-3F2
Retaining Screw for 4 tier	B62910033-4F2

## Product List

Model Number	Number of Tiers	Rated Voltage	Alarm Type	UL Certified	Luminous Color	Power Consumption	Mass
LKEH-102F □ -R/Y/G/B/C	1	24V DC	A/C/D/E	-	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-110F □ -R/Y/G/B/C	1	100V AC	A/C/D/E	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-120F □ -R/Y/G/B/C	1	220V AC	A/C/D/E	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-202F □ -RY/RG	2	24V DC	A/C/D/E	-	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-210F □ -RY/RG	2	100V AC	A/C/D/E	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-220F □ -RY/RG	2	220V AC	A/C/D/E	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-302F □ -RYG	3	24V DC	A/C/D/E	-	Red, Amber, Green	14.2W	1.8kg
LKEH-310F □ -RYG	3	100V AC	A/C/D/E	-	Red, Amber, Green	23W	2.5kg
LKEH-320F □ -RYG	3	220V AC	A/C/D/E	-	Red, Amber, Green	23W	2.5kg
LKEH-402F □ -RYGB	4	24V DC	A/C/D/E	-	Red, Amber, Green, Blue	16W	2.0kg
LKEH-410F □ -RYGB	4	100V AC	A/C/D/E	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-420F □ -RYGB	4	220V AC	A/C/D/E	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-102F □ UL-R/Y/G/B/C	1	24V DC	A/C/D/E	✓	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-202F □ UL-RY/RG	2	24V DC	A/C/D/E	✓	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-302F □ UL-RYG	3	24V DC	A/C/D/E	✓	Red, Amber, Green	14.2W	1.8kg
LKEH-402F □ UL-RYGB	4	24V DC	A/C/D/E	✓	Red, Amber, Green, Blue	16W	2.0kg
LKEH-102FV-R/Y/G/B/C	1	24V DC	-	-	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-110FV-R/Y/G/B/C	1	100V AC	-	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-120FV-R/Y/G/B/C	1	220V AC	-	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-202FV-RY/RG	2	24V DC	-	-	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-210FV-RY/RG	2	100V AC	-	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-220FV-RY/RG	2	220V AC	-	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-302FV-RYG	3	24V DC	-	-	Red, Amber, Green	14.2W	1.8kg
LKEH-310FV-RYG	3	100V AC	-	-	Red, Amber, Green	23W	2.5kg
LKEH-320FV-RYG	3	220V AC	-	-	Red, Amber, Green	23W	2.5kg
LKEH-402FV-RYGB	4	24V DC	-	-	Red, Amber, Green, Blue	16W	2.0kg
LKEH-410FV-RYGB	4	100V AC	-	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-420FV-RYGB	4	220V AC	-	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-102FVUL-R/Y/G/B/C	1	24V DC	-	✓	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-202FVUL-RY/RG	2	24V DC	-	✓	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-302FVUL-RYG	3	24V DC	-	✓	Red, Amber, Green	14.2W	1.8kg
LKEH-402FVUL-RYGB	4	24V DC	-	✓	Red, Amber, Green, Blue	16W	2.0kg

Notes:

1. Sounds may not start simultaneously when using multiple units.
2. This product is not recommended for vehicle use.

Rotating Beacon with Audible Alarm Horn

# RT

- Φ162 mm
- Indoor/Outdoor Use
- Upright Mounting
- Ambient Temperature -20°C~+50°C
- Red, Amber, Green, Blue
- bit/binary 8/32 Inputs
- 115/105/95 Flashes per Minute
- 105dB
- 32 Alarm Sounds
- IP23



LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Announciators

Hybrid Signaling Devices

LED Illumination

Explosion Proof

Option

## Model Number Configuration

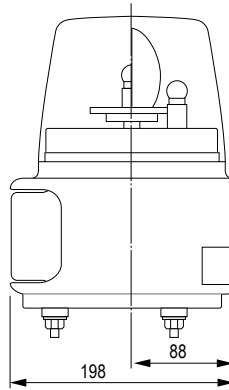
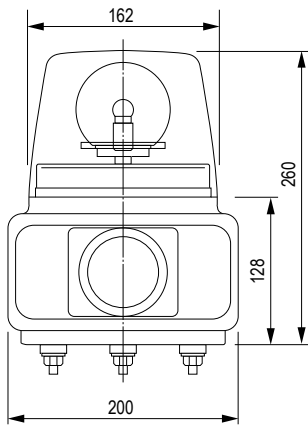
RT-24A-R

①
②
③

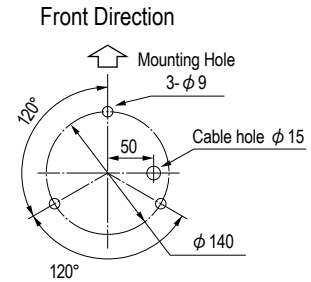
① Rated Voltage 24 = 24V DC 100 = 100V AC 200 = 200V AC	② Alarm Type* A = Type A C = Type C D = Type D E = Type E	③ Colors R = Red Y = Amber G = Green B = Blue
--	---	---

\* Please refer to the Sound Selection Chart on page 84 for alarm details.

## Dimensions (mm)



### Installation Dimension Drawings



## Product List

Model Number	Rated Voltage	Bulb No.	Alarm Type	Color	Power Consumption	Mass
RT-24 □ -R/Y/G/B	24V DC	55	A/C/D/E	Red / Amber / Green / Blue	24W	2.0kg
RT-100 □ -R/Y/G/B	100V AC	54	A/C/D/E	Red / Amber / Green / Blue	32W	2.5kg
RT-200 □ -R/Y/G/B	200V AC	54	A/C/D/E	Red / Amber / Green / Blue	30W	2.5kg

Bulb No.	Model Number
54	D01201503-F1
55	D02402003-F1

\* Light bulbs come in packs of 10.  
\* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008



Rotating Beacon with MP3 Voice Annunciator Horn

# RT-VF



- Φ162 mm**
- Indoor/Outdoor Use**
- Upright Mounting**
- Ambient Temperature -10°C~+50°C**
- Red, Amber, Green, Blue**
- bit / binary 4/15 Inputs**
- Motorized Rotation**
- 105dB**
- Playback Length 63 seconds**
- UL (UL in part no.)**
- IP23**



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Hybrid Signaling Devices

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Explosion Proof

Option

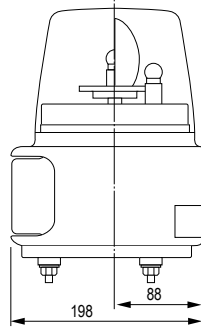
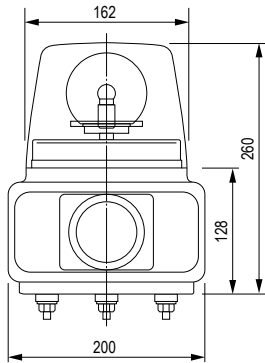
## Model Number Configuration

**RT-24VFUL-R**

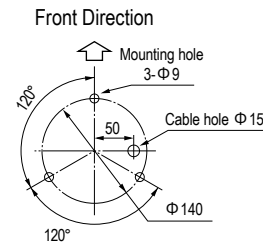
①                      ②                      ③

- ① Rated Voltage  
24 = 24V DC (RT-VF/RT-VFUL type)  
100 = 100V AC (RT-VF type)  
200 = 200V AC (RT-VF type)
- ② Sound Specifications  
VF = MP3 sound file  
VFUL = MP3 sound file (UL certified)
- ③ Luminous Color  
R = Red  
Y = Amber  
G = Green  
B = Blue

## Dimensions (mm)



### Installation Dimension Drawings



## Product List

Model Number	Rated Voltage	Bulb No.	UL Certified	Color	Power Consumption	Mass
RT-24VF-R/Y/G/B	24V DC	55	-	Red / Amber / Green / Blue	24W	2.0kg
RT-100VF-R/Y/G/B	100V AC	54	-	Red / Amber / Green / Blue	32W	2.4kg
RT-200VF-R/Y/G/B	200V AC	54	-	Red / Amber / Green / Blue	30W	2.4kg
RT-24VFUL-R/Y/G/B	24V DC	55	✓	Red / Amber / Green / Blue	24W	2.0kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound File Format	MP3 data (bit rate: 64 kbps / sample rate: 44.1 kHz)

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008
SD Card (2GB)	SDV-2GP

\* A separate quotation is required for SD cards with custom messages pre-recorded.

Bulb No.	Model Number
54	D01201503-F1
55	D02402003-F1

\* Light bulbs come in packs of 10.  
\* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

# Rotating Signal Tower

# KJT

- 116 mm
- Indoor/Outdoor Use
- Upright Mounting
- Ambient Temperature -20°C~+45°C
- Red, Amber, Green, Blue
- Change Number of Tiers
- bit / binary 8/32 Inputs
- Motorized Rotation
- 90dB Alarm Sounds
- IP23

\* 100V AC is 85dB



## Model Number Configuration

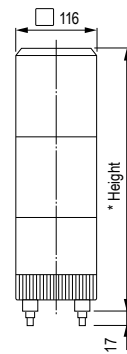
# KJT-302A-RYG



① Number of Tiers	② Rated Voltage	③ Alarm Type*	④ Colors
1 = 1 tier	02 = 24V DC	A = Type A	R = Red
2 = 2 tiers	10 = 100V AC	C = Type C	Y = Amber
3 = 3 tiers	20 = 200V AC	D = Type D	G = Green
		E = Type E	B = Blue
			Top to bottom

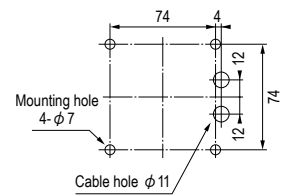
\* Please refer to the Sound Selection Chart on page 84 for alarm details.

## Dimensions (mm)



* Height
1 tier: 232
2 tiers: 337
3 tiers: 442

### Installation Dimension Drawings



## Product List

Model Number	Number of Tiers	Bulb No.	Rated Voltage	Alarm Type	Luminous Color	Power Consumption	Mass
KJT-102□-R/Y/G/B	1	10	24V DC	A/C/D/E	Red / Amber / Green / Blue	21W	1.3kg
KJT-110□-R/Y/G/B	1	12	100V AC	A/C/D/E	Red / Amber / Green / Blue	20W	1.7kg
KJT-120□-R/Y/G/B	1	12	200V AC	A/C/D/E	Red / Amber / Green / Blue	20W	1.7kg
KJT-202□-RY/RG	2	10	24V DC	A/C/D/E	Red, Amber / Red, Green	31W	1.9kg
KJT-210□-RY/RG	2	12	100V AC	A/C/D/E	Red, Amber / Red, Green	26W	2.4kg
KJT-220□-RY/RG	2	12	200V AC	A/C/D/E	Red, Amber / Red, Green	26W	2.4kg
KJT-302□-RYG	3	10	24V DC	A/C/D/E	Red, Amber, Green	41W	2.5kg
KJT-310□-RYG	3	12	100V AC	A/C/D/E	Red, Amber, Green	32W	3.0kg
KJT-320□-RYG	3	12	200V AC	A/C/D/E	Red, Amber, Green	32W	3.0kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008

Bulb No.	Model Number
10	D02401003A-F1
12	D01200503A-F1

\* Light bulbs come in packs of 10.  
\* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

# Rotating Beacon with Audible Alarm

# RFT

<b>Φ100 mm</b>	<b>LED</b>	<b>Indoor/Outdoor Use</b>	<b>Upright/Sideways/Inverted* Mounting</b>	<b>Ambient Temperature -10°C~+50°C</b>	<b>Red, Amber, Green, Blue</b>	<b>8/32 bit/binary Inputs</b>
<b>115 Flashes per Minute</b>	<b>90dB</b>	<b>32 Alarm Sounds</b>	<b>CE (DC Type)</b>	<b>RoHS 10</b>	<b>IP54</b>	

\* Indoor Only



**RFT**

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Explosion Proof

Option

## Model Number Configuration

# RFT-100A-R

①                      ②                      ③

① Rated Voltage 24 = 24V DC 100 = 100V AC 220 = 220V AC	② Sound Type* A = Type A C = Type C D = Type D E = Type E	③ Colors R = Red Y = Amber G = Green B = Blue
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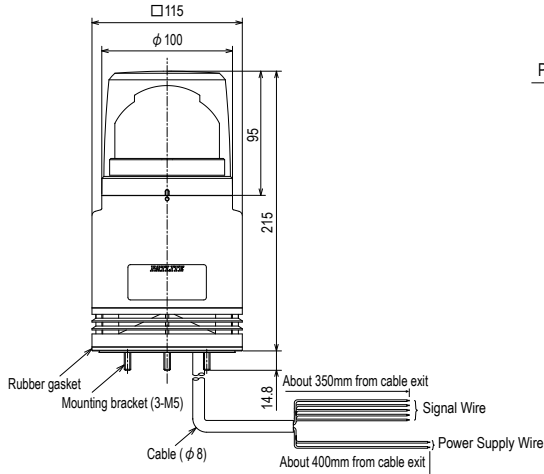
\* Please refer to the Sound Selection Chart on page 84 for alarm details.

## Optional Parts

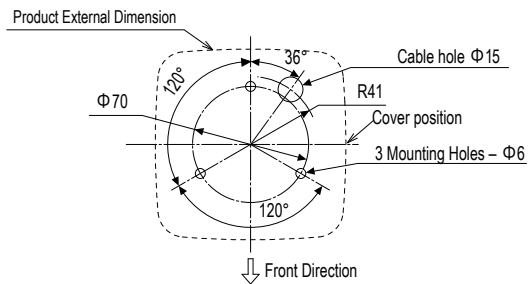
For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	RF-001
Ceiling Mount Bracket	RF-002
SD Card (2GB)	SDV-2GP

## Dimensions (mm)



## Installation Dimension Drawings



## Product List

Model Number	Rated Voltage	Alarm Type	Luminous Color	Power Consumption	Mass
RFT-24□-R/Y/G/B	24V DC	A/C/D/E	Red / Amber / Green / Blue	12W	1.0kg
RFT-100□-R/Y/G/B	100V AC	A/C/D/E	Red / Amber / Green / Blue	13W	1.2kg
RFT-220□-R/Y/G/B	220V AC	A/C/D/E	Red / Amber / Green / Blue	13W	1.2kg

## Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

# Rotating Beacon with MP3 Voice Annunciator

# RFV



- Φ100 mm** LED
- Indoor/Outdoor Use**
- Upright/Sideways\*/Inverted\* Mounting**
- Ambient Temperature: -10°C~+50°C**
- Red, Amber, Green, Blue**
- 4/15 Inputs**
- 115 Flashes per Minute**
- 95dB**
- Playback Length 63.5 seconds**
- CE (DC Type)**
- RoHS 10**
- IP54**

\* Indoor Only



## Model Number Configuration

# RFV-100F-R

① ②

① Rated Voltage  
 24 = 24V DC  
 100 = 100V AC  
 220 = 220V AC

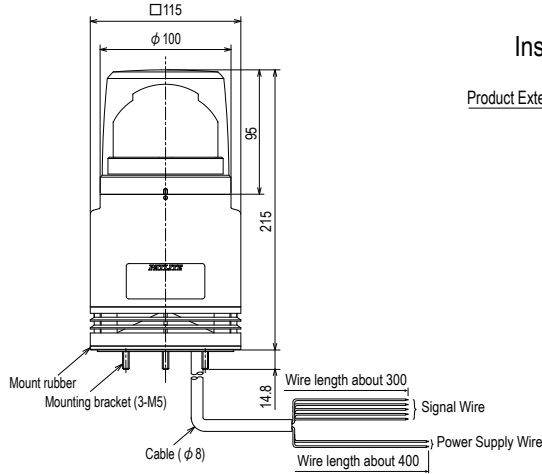
② Color  
 R = Red  
 Y = Amber  
 G = Green  
 B = Blue

## Optional Parts

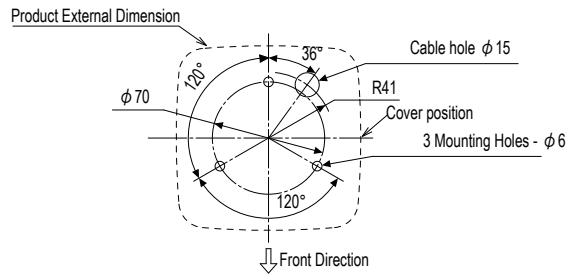
For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	RF-001
Ceiling Mount Bracket	RF-002
SD Card (2GB)	SDV-2GP

## Dimensions (mm)



## Installation Dimension Drawings



## Product List

Model Number	Rated Voltage	Color	Power Consumption	Mass
RFV-24F-R/Y/G/B	24V DC	Red / Amber / Green / Blue	18W	1.0kg
RFV-100F-R/Y/G/B	100V AC	Red / Amber / Green / Blue	16W	1.2kg
RFV-220F-R/Y/G/B	220V AC	Red / Amber / Green / Blue	16W	1.2kg

## Other Specifications

<b>Supported Transistors</b>	NPN
<b>Volume Control</b>	Rotating knob
<b>Sound File Format</b>	MP3 data (bit rate: 64 kbps / sample rate: 44.1 kHz)

## Alarm Sound Selection Chart



Type A

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter & Bell	Synthesized Melody	Chime	Call Sign
Fur Elise	A Maiden's Prayer	Minuet in Gmjr	Annie Laurie
London bridge is falling down	Holdiridia	Mary had a little Lamb	Camptown Races
Cuckoo Song	Village Blacksmith	On the Avignon Bridge	Daydream Believer
Amaryllis	Mozart Symphony No.40	Quiet Lakeside	Mountain Musician
Spanish Romance	Katyusha	Grandfather's Clock	Ave Maria

Type C

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter & Bell	Synthesized Melody	Chime	Call Sign
Can't take my eyes off of You	Top of the World	The Entertainer	Amazing Grace
Maiden with the flaxen hair	Aux Champs-Elysees	Canon	La-la Sunshine
Space Battleship Yamato	Oshiete	Makenai de	Theme Song
I Don't Want to Miss a Thing	Yozora no Mukou	Ai wa Katsu	Truth
Guts Daze!!	Odoru Ponpokorin	Ima sugu Kiss Me	Haru yo, Koi

Type D

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Runner	Mamotte Agetai	Chime	Call Sign
While listening to Olivia	September	Douyobi no Koibito	Aki no Kihai
Surf Tengoku, Ski Tengoku	Iro, White Blend	Happy Birthday	Hi Ho
I've been working on the Railroad	The Bear Song	Toys Go Cha-Cha-Cha	Konnako Irukana
Shubert's Lullaby	Rudolph the Red-nosed Reindeer	She Wore a Yellow Ribbon	My Darling Clementine
Yellow Rose of Texas	Yankee Doodle	When the Saints Go Marching In	Londonderry Air

Type E

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter & Bell	Synthesized Melody	Chime	Call Sign
Bee-boh sound	Galloping Hi-Lo	Alien Chatter	Falling Crystals
Inverted Reveille x3	Galactic Motor	Ringling Phone	Two Tone
Alarm Clock	Ringling Hi-Lo	Fur Elise	Minuet in Gmjr
Annie Laurie	London bridge is falling down	Mary had a little Lamb	Camptown Races
Amaryllis	Mozart Symphony No.40	Ave Maria	Grandfather's Clock

Note: Please check our website for details on each alarm sound.

### Use of Copyrighted Material

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Type F

Galactic Hovercraft	Game Intermission	Spring Melody	Jalopy Horn
ET Doorbell	RR-crossing	Train Whistle	Train Ride
Starting Notice Chime1	Starting Notice Chime2	Starting Notice Chime3	Ending Notice Chime1
Ending Notice Chime2	RHYTHM AND POLICE	ZANKOKUNA TENSHINO TEEZE	MAJINGAA ZETTO
HATARAKU KURUMA	NINGENTTE IINA	ROBINSON	WORLD FOOTBALL ANTHEM
BANZAI SUKIDE YOKATTA	NAMONAKI UTA	SOUSEINO AKUERION	MAMBO NO 5
The Parade of the Tin Soldiers	Turkey in the Straw	Aka tombo	Funiculi, Funicula
Furusato	Beautiful Dreamer	JOLLY HOLIDAY	Londonderry Aire
The above 31 tones & 32 type A tones are built-in			

Type G

Galactic Hovercraft	Game Intermission	Spring Melody	Jalopy Horn
ET Doorbell	RR-crossing	Starting Notice Chime1	Starting Notice Chime2
Ending Notice Chime1	Ending Notice Chime2	The Parade of the Tin Soldiers	If You're Happy and You Know it
Flea Waltz	Turkey in the Straw	The Battle Hymn of the Republic	J'ai perdu le do de ma clarinette
Can-can	Radetzky March	Funiculi, Funicula	Csikos Post
Polka Trablanka	O Vreneli	KAERUNO GASSHOU	El Condor Pasa (If I Could)
Hungarian Dance No.5	William Tell Overture	Pomp and Circumstance	Greensleeves
Nedelka	Moonlight Serenade	WAREWA UMINO KO	-
The above 31 tones & 32 EHS type E tones are built-in			

### Use of Copyrighted Material

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LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

LED Work Light

# CWF

<b>LED</b>	<b>Indoor Use</b>	<b>Mounting in All Directions</b>	<b>Ambient Temperature -25°C~+60°C</b> <small>(DC model)</small>	<b>Ambient Temperature -20°C~+50°C</b> <small>(AC model)</small>	<b>Daylight</b>
<b>CE</b>	<b>RoHS 10</b>	<b>UL</b>	<b>FCC</b>	<b>IP20</b>	



## Model Number Configuration

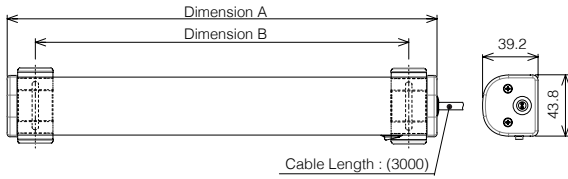
# CWF3S-24-CD



- |   |   |                                   |
|---|---|-----------------------------------|
| ① Length<br>3 = 300mm<br>6 = 600mm<br>9 = 900mm*1 | ② Rated Voltage / Standards<br>24 = 24V DC / UL, CE*2<br>M2U = 100-240V AC / UL | ③ Luminous Color<br>CD = Daylight |
| *1.AC Type only                                   | *2.CWF <b>[3S]</b> <b>[6S]</b> type only  |                                   |

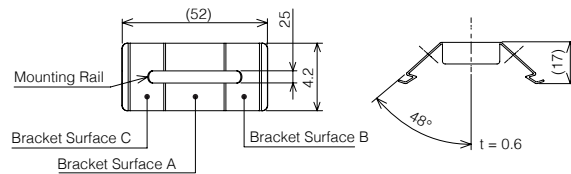
## Dimensions (mm)

### LED Work Light



Model Number	Dimension A	Dimension B
CWF3S-□-CD	300	260
CWF6S-□-CD	600	560
CWF9S-□-CD	900	860

### CWF Standard Mounting Bracket (2 pcs)



## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Swivel Bracket	CWF-001
Magnetic Mounting Bracket	CWF-002

## Specification

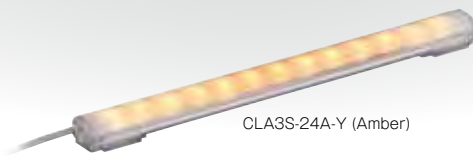
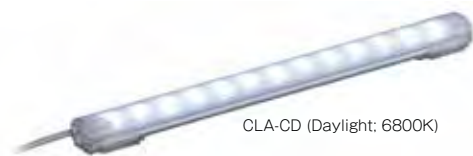
Description	Voltage Type	Length		
		300mm	600mm	900mm
Illuminance (@1m, center, typical)	DC	165lx	320lx	-
	AC	150lx	320lx	445lx

## Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CWF3S-24-CD	24V DC	Daylight	5W	0.42kg
CWF6S-24-CD	24V DC	Daylight	10W	0.57kg
CWF3S-M2U-CD	100-240V AC	Daylight	5W	0.53kg
CWF6S-M2U-CD	100-240V AC	Daylight	10W	0.68kg
CWF9S-M2U-CD	100-240V AC	Daylight	15W	0.84kg

# CLA-A

LED	Indoor Use	Mounting in All Directions	Daylight Amber	Ambient Temperature -40°C~+60°C	
CE	RoHS 10	UL	IP66	IP67	IP69K



## Model Number Configuration

### CLA1S-24A-CD-30

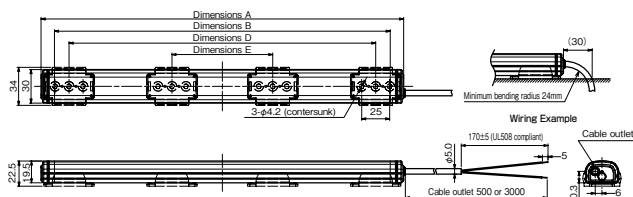
①

②

③

- |  |  |  |
|--|--|--|
| ① Length<br>1 = 100 mm<br>2 = 200 mm<br>3 = 300 mm<br>6 = 600 mm<br>9 = 900 mm<br>12 = 1200 mm | ② Luminous Color<br>CD = Daylight<br>Y = Amber<br>* -Y: 300mm only | ③ Cable Length<br>None = 0.5m<br>30 = 3.0m |
|--|--|--|

## Dimensions (mm)



Model	Dimension A	Dimension B	Dimension D	Dimension E	Number of Brackets Included (SZ-310AR)
	Full Length	Length of Illuminated Area	Recommended Mounting Pitch		
CLA1S-	124	100	74	-	2
CLA2S-	224	200	174	-	2
CLA3S-	324	300	274	-	2
CLA6S-	624	600	574	-	2
CLA9S-	924	900	874	290	4
CLA12S-	1224	1200	1174	390	4

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Rear Screw Mount Bracket (M4 screws not included)	SZ-310AR
Rear Magnetic Mount Bracket (2 included)	SZ-310ARM
Side Screw Mount Bracket (M4 screws not included)	SZ-310AS
Side Screw Mount Bracket (M4 screws not included)	SZ-310ASB (Compatible with CLB-24N series)
Steel Rear Screw Mount Bracket (Screws not included)	SZ-310EU

Note: Take care to prevent the magnet (SZ-310ARM) from falling. Use screw-on type brackets for permanent installations.

## Specification

Description	Distance	Length of Illuminated Area						
		100mm	200mm	300mm (CD)	300mm (Y)	600mm	900mm	1200mm
Illuminance (Center, typical)	At 0.3m	-	-	-	-	1,425lx	1,575lx	1,600lx
	At 0.5m	140lx	270lx	400lx	220lx	650lx	810lx	890lx
	At 1.0m	35lx	70lx	105lx	60lx	200lx	280lx	340lx

## Product List

Model Number	Length of Illuminated Area	Luminous Color	Rated Voltage	Cable Length	Power Consumption	Mass (0.5m Cable)	Mass (3.0m Cable)
CLA1S-24A-CD(-30)	100mm	Daylight	24V DC	0.5m / 3.0m	2.5W	0.08kg	0.165kg
CLA2S-24A-CD(-30)	200mm	Daylight	24V DC	0.5m / 3.0m	5W	0.13kg	0.215kg
CLA3S-24A-CD(-30)	300mm	Daylight	24V DC	0.5m / 3.0m	5.7W	0.18kg	0.265kg
CLA3S-24A-Y	300mm	Amber	24V DC	0.5m	5.7W	0.18kg	-
CLA6S-24A-CD(-30)	600mm	Daylight	24V DC	0.5m / 3.0m	11.6W	0.34kg	0.425kg
CLA9S-24A-CD(-30)	900mm	Daylight	24V DC	0.5m / 3.0m	17.3W	0.5kg	0.585kg
CLA12S-24A-CD(-30)	1200mm	Daylight	24V DC	0.5m / 3.0m	23W	0.66kg	0.745kg

LED Work Light

# CWA

LED	Indoor Use	Mounting in All Directions	Ambient Temperature -20°C~+60°C	Daylight
CE	RoHS 10	UL	FCC	IP65



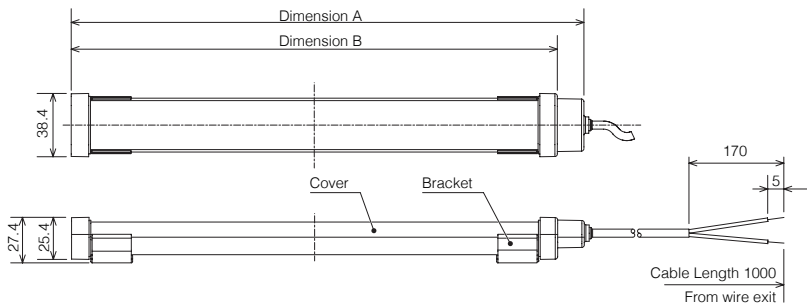
## Model Number Configuration

# CWA3S-24-CD



- ① Length  
3 = 300mm  
6 = 600mm  
9 = 900mm
- ② Connector  
S = Side-exiting Cable
- ③ Rated Voltage  
24 = 24V DC
- ④ Luminous Color  
CD = Daylight

## Dimensions (mm)



Model Number	Dimension A	Dimension B
CWA3S-24-CD	315.5mm	300mm
CWA6S-24-CD	621.0mm	600mm
CWA9S-24-CD	916.5mm	900mm

### Mounting Brackets



### Holding Brackets



## Specification

Description	Length		
	300mm	600mm	900mm
Illuminance (@1m, center, typical)	110lx	220lx	330lx

## Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CWA3S-24-CD	24V DC	Daylight	5W	0.215kg
CWA6S-24-CD	24V DC	Daylight	10W	0.37kg
CWA9S-24-CD	24V DC	Daylight	15W	0.53kg





## Product List

Model Number	Rated Voltage	Length of Illuminated Area	Body Material	Lens	Wiring Type	Luminous Color	Power Consumption	Mass
CLK3CL-24SG-CD	24V DC	300mm	Stainless steel	Tempered glass	M12 connector Daisy link	Daylight	12.5W	1.490kg
CLK6C-24AG-CD	24V DC	600mm	Aluminum	Tempered glass	M12 connector	Daylight	25W	1.222kg
CLK6CL-24AG-CD	24V DC	600mm	Aluminum	Tempered glass	M12 connector Daisy link	Daylight	25W	1.222kg
CLK2S-24AAG-CD	24V DC	200mm	Aluminum	Tempered glass	0.5m cable	Daylight	8.4W	0.526kg
CLK3S-24AAG-CD/CN	24V DC	300mm	Aluminum	Tempered glass	0.5m cable	CD: Daylight CN: Natural white	12.5W	0.676kg
CLK6S-24AAG-CD	24V DC	600mm	Aluminum	Tempered glass	0.5m cable	Daylight	25W	1.222kg

## Optional Parts

For details refer to P. 93 to P. 98

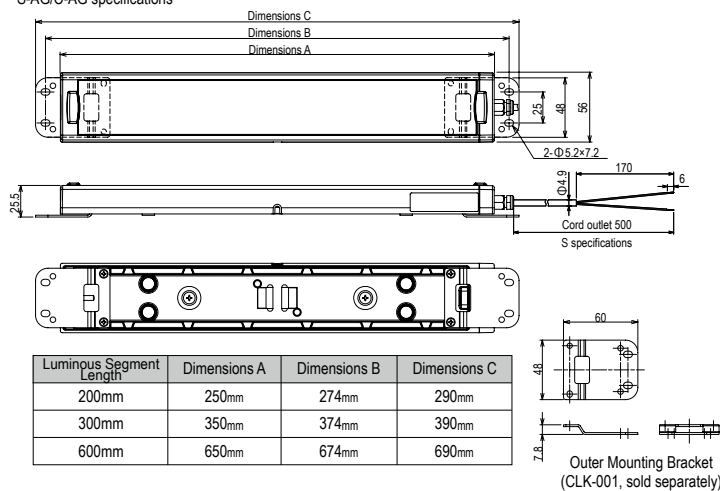
Product Name	Model Number
Outer Mounting Bracket	CLK-001
Swivel Bracket	SZ-320KS (1 pair)

## Specification

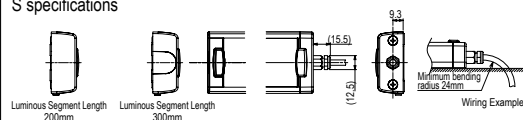
Description	Distance	Luminous Segment Length		
		200mm	300mm	600mm
Illuminance (Center, typical)	At 1.0m	820lx	1,200lx	2,100lx
	At 2.0m	200lx	300lx	580lx

## Dimensions (mm)

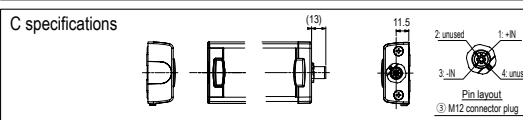
### S-AG/C-AG specifications



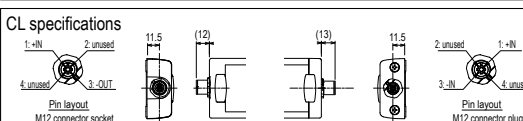
### S specifications



### C specifications

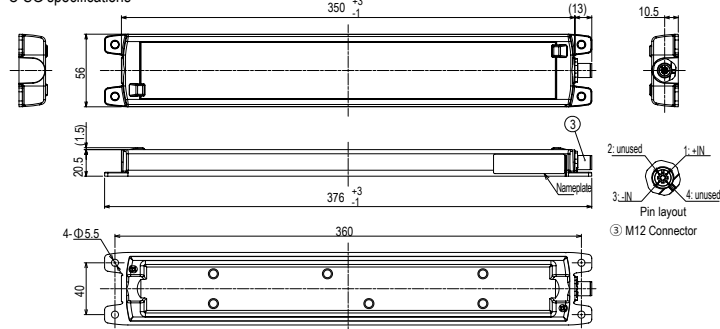


### CL specifications



\*Caution\*  
Please waterproof and oil-proof the end of the cable if it will come in contact with water or be in a low temperature environment.

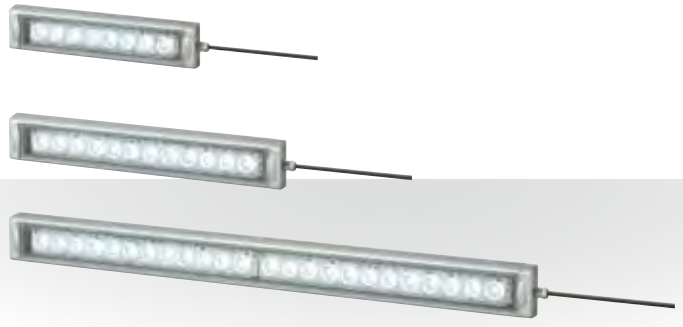
### C-SG specifications



LED Work Light

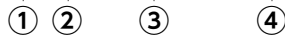
# CWK

LED	Indoor Use	Mounting in All Directions	Ambient Temperature -10°C~+50°C	Daylight
CE	RoHS 10	UL	FCC	IP66G IP67G



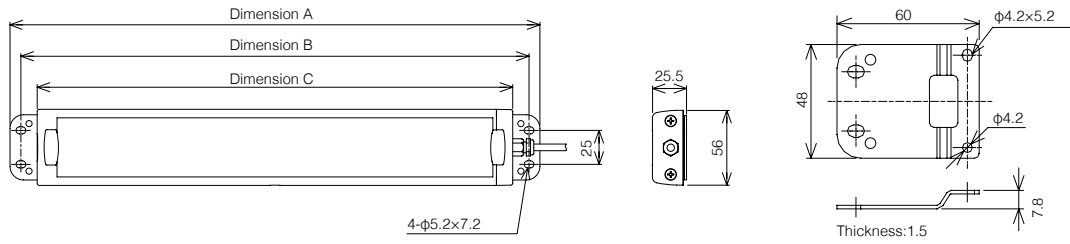
## Model Number Configuration

# CWK2S-24-CD



- ① Length  
2 = 200mm  
3 = 300mm  
6 = 600mm
- ② Connector Type  
S = Side-exiting Cable
- ③ Rated Voltage  
24 = 24V DC
- ④ Luminous Color  
CD = Daylight

## Dimensions (mm)



Model Number	Dimension A	Dimension B	Dimension C
	Overall Length	Mounting Pitch	Body Length
CWK-2S-24-CD	290mm	274mm	250mm
CWK-3S-24-CD	390mm	374mm	350mm
CWK-6S-24-CD	690mm	674mm	650mm

## Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Swivel Bracket	SZ-320KS (1 pair)

## Specification

Description	200mm	300mm	600mm
Illuminance (@1m, center, typical)	600lx	850lx	1500lx

## Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CWK2S-24-CD	24V DC	Daylight	8.64W	0.6kg
CWK3S-24-CD	24V DC	Daylight	11.52W	0.75kg
CWK6S-24-CD	24V DC	Daylight	23.04W	1.23kg

LED Work Light

# CLN-A

- LED
- Indoor Use
- Mounting in All Directions
- Ambient Temperature -40°C~+60°C
- Daylight
- CE
- RoHS 10
- UL
- IP66G
- IP67G
- IP69K

Tilt Type

Pan/Tilt Type



## Model Number Configuration

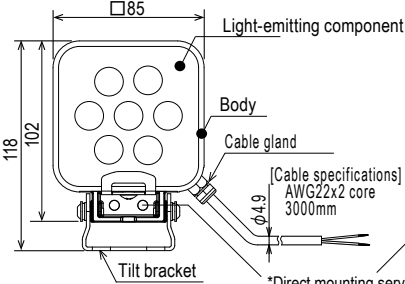
# CLN-24A-CD-T

①

① Mounting  
T = Tilt Type  
PT = Pan/Tilt Type

## Dimensions (mm)

■ Tilt only (T type)



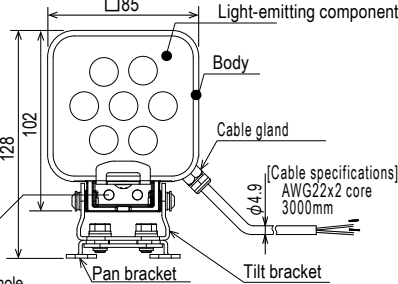
Mounting pitch (2-M6, 26 pitch)

■ Tilt only (T type)



Can tilt 180° and can be folded to 33mm for easier installation.

■ Pan/Tilt (PT type)



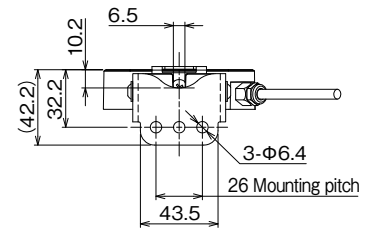
Mounting pitch (2-M6, 45 pitch)

■ Pan & Tilt (PT type)

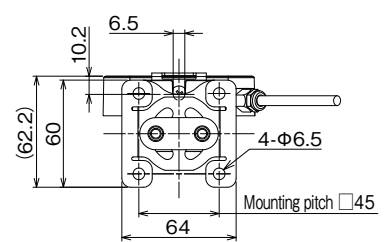


Can tilt 180° or rotated 120° to fit any application. Can be folded to 43mm for easier installation.

Mounting dimensions (T type)



Mounting dimensions (PT type)



## Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CLN-24A-CD-T	24V DC	Daylight	4.2W	0.39kg
CLN-24A-CD-PT	24V DC	Daylight	4.2W	0.46kg

## Specification

Description	Distance	
Illuminance (Center, typical)	At 1.0m	820lx
	At 2.0m	200lx

# LED Work Light

# CLE

LED	Indoor Use	Mounting in All Directions	Ambient Temperature -25°C~+60°C
CE	RoHS 10	IP65F	



CLE-24 (Wide Angle Type)



CLE-24N (Narrow Angle Type)

## Model Number Configuration

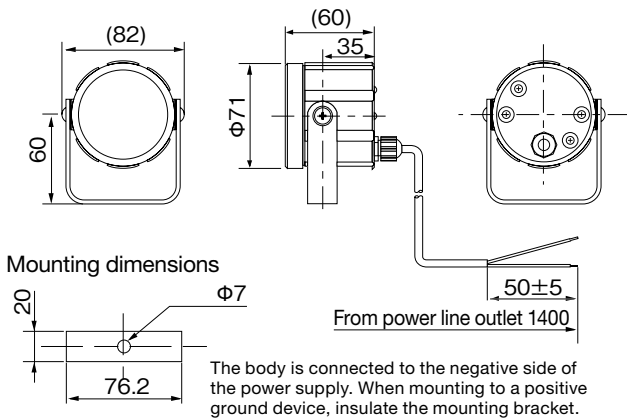
# CLE-24N

① ②

① Rated Voltage  
24 = 24V DC

② Irradiation Type  
None = Wide Angle Type  
N = Narrow Angle Type

## Dimensions (mm)



## Specification

<b>Luminous Intensity</b>	None: 25cd or more N: 160cd or more
---------------------------	--

## Product List

Model Number	Lens	Rated Voltage	Power Consumption	Mass
CLE-24	Translucent	24V DC	1.3W	0.3kg
CLE-24N	Clear (narrow angle type)	24V DC	1.3W	0.3kg

# Wall Mounting



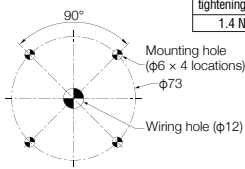
Material: SPCE

RoHS 10

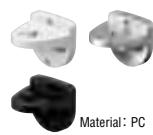
## Circular Bracket SZW-001W

Compatible products  
LR series

### Mounting dimensions (Unit: mm)



M5 Screws  
Recommended  
tightening torque  
1.4 N·m

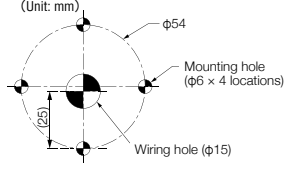


Material: PC

## Wall Mount Bracket

SZK-002W/U/K  
Compatible products  
LR4 / LR5

### Mounting dimensions (Unit: mm)



M5 Screws  
Recommended  
tightening torque  
1.4 N·m



Material: PC

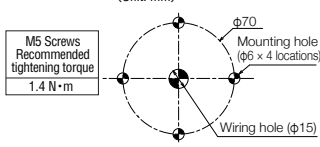
RoHS 10

## Wall Mount Waterproof Bracket

(For  $\Phi 80\text{mm}/\Phi 100\text{mm}$ )  
SZK-101

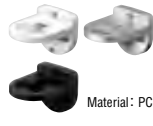
Compatible products  
SKS / SKH<sup>®</sup>  
SF08 / SF10  
SL08 / SL10

### Mounting dimensions (Unit: mm)



M5 Screws  
Recommended  
tightening torque  
1.4 N·m

\* 3-screw types require rubber gasket.



Material: PC

## Wall Mount Bracket

SZK-003W/U/K  
Compatible products  
LR6 / LR7 / W0B / LA6

## Wall Mount Bracket

SZK-004W  
Compatible products  
LR6 / LR7 / LA6



Wiring can pass through bracket.

\* Compatible M16xP1.5 cable gland sold separately.



Material: SUS304

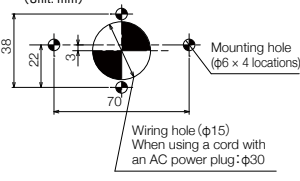
RoHS 10

## Wall Mount Bracket

(For  $\Phi 80\text{mm}/\Phi 100\text{mm}$ )  
SZK-102

Compatible products  
SKS / SKH  
SF08 / SF10  
SL08 / SL10

### Mounting dimensions (Unit: mm)



M5 Screws  
Recommended  
tightening torque  
1.4 N·m



Material: SUS304

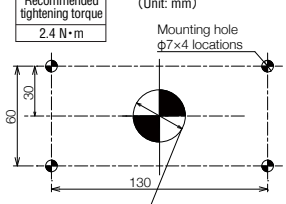
RoHS 10

## Wall Mount Bracket

(For  $\Phi 150\text{mm}$ )  
SZK-103

Compatible products  
SKP / SL15

### Mounting dimensions (Unit: mm)



M6 Screws  
Recommended  
tightening torque  
2.4 N·m



Material: PC

RoHS 10

## Cover for Wall Mount Bracket

SZK-104

Compatible products  
SZK-102

Safety Note: Use Wall Mount Bracket Cover when installing M12 type units to prevent wiring from being exposed.



Material: PC

RoHS 10

## Cover for Wall Mount Bracket

SZK-105

Compatible products  
SZK-103

Safety Note: Use Wall Mount Bracket Cover when installing M12 type units to prevent wiring from being exposed.



Material: SECC

RoHS 10

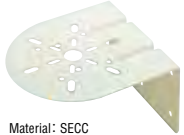
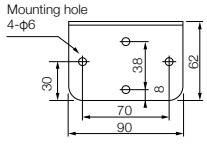
## Wall Mount Bracket

SZ-007

Compatible products  
SKS-M1 / SKH-M1  
SF08-M1J / SF10-M1J  
SL08-M1J / SL10-M1J

(Models with a mounting pitch of  $\Phi 50$  or  $\Phi 70$ .)

### Mounting dimensions (Unit: mm)



Material: SECC

RoHS 10

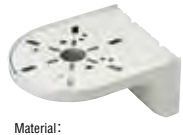
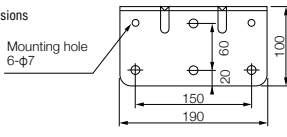
## Wall Mount Bracket

SZ-008

Compatible products  
SKS-M1 / SKH-M1 / SKP-M1  
SF08-M1J / SF10-M1J  
SL08-M1J / SL10-M1J / SL15-M1J

(Models with a mounting pitch of  $\Phi 50$ ,  $\Phi 70$ ,  $\Phi 120$ ,  $\Phi 140$ , and  $\square 74$ .)

### Mounting dimensions (Unit: mm)



Material:  
Bracket SECC  
Bracket cover AES

RoHS 10

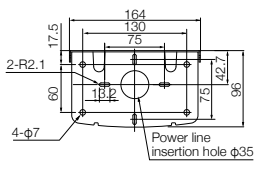
## Wall Mount Bracket with Cover

SZ-023

Compatible products  
SKS / SKH / SKP  
SF08-J / SF10-J  
SL08-J / SL10-J / SL15-J

(Models with a mounting pitch of  $\Phi 50$ ,  $\Phi 70$ ,  $\Phi 120$ ,  $\Phi 140$ , and  $\square 74$ .)

### Mounting dimensions (Unit: mm)



Material: PC

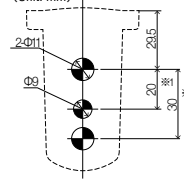
RoHS 10

## Wall Mount Bracket

NE-002D

Compatible products  
NE-A / NE-IL

### Mounting dimensions (Unit: mm)



Screws/Nuts  
※ 1: M8 x 2 pcs  
※ 2: M10 x 2 pcs

Recommended  
tightening torque  
2.4N·m



Material: ABS

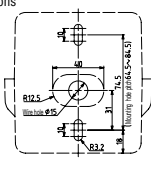
RoHS 10

## Wall Mount Bracket

RF-001

Compatible products  
RFV / RFT

### Mounting dimensions (Unit: mm)



Installation image



\* Attach using two M6 screws.



Material: ABS

RoHS 10

## Wall Mount Bracket

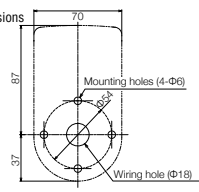
SZ-110 (Off-white)

SZ-110D (Dark gray)

SZ-110S (Silver)

Compatible products  
LS7

### Mounting dimensions (Unit: mm)



# Wall Mounting



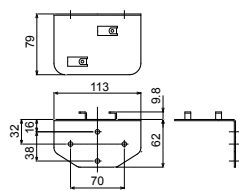
**Wall Mount Bracket**  
(Exposed wiring type)  
**NH-WST**

Compatible products  
NH-FB

Material: SECC



**Mounting dimensions (Unit:mm)**



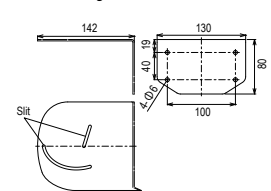
**Wall Mount Bracket**  
(Exposed wiring type)  
**NH-WST2**

Compatible products  
NH-FV, LA6-POE

Material: SECC



**Mounting dimensions (Unit:mm)**



## For T-type Aluminum Pole



**L-bracket**  
**SZL-001**

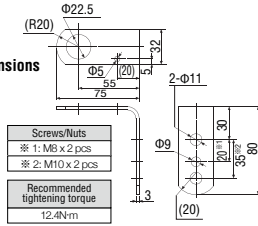
Compatible products  
LR Series

Corresponding pole  
POLE22-AT

Material: SPHC-P



**Mounting dimensions (Unit:mm)**



## For N-type Aluminum Pole



**Circular Multi-mount Bracket**  
**SZP-001W/U/K**

Compatible products  
LR series

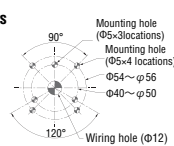
Corresponding pole  
POLE22-AN

Material: PC



**Mounting dimensions (Unit:mm)**

M4 Screws  
Recommended tightening torque  
0.6 N·m



**Circular Bracket**  
**SZP-002U**

Compatible products  
LR series

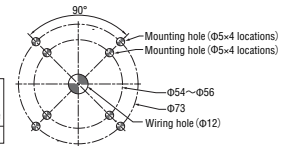
Corresponding pole  
POLE22-AN

Material: ADC12



**Mounting dimensions (Unit:mm)**

M4 Screws  
Recommended tightening torque  
0.6 N·m



## For N/T-type



**Wall Mount Bracket**  
**SZK-001U**

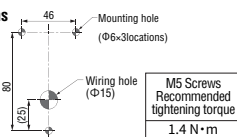
Compatible products  
LR series

Corresponding pole  
POLE22-AN  
POLE22-AT

Material: ADC12



**Mounting dimensions (Unit:mm)**



**Circular Bracket**  
**SZP-003W/U/K**

Compatible products  
LR series

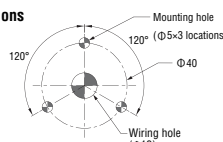
Corresponding pole  
POLE22-AN

Material: PC



**Mounting dimensions (Unit:mm)**

M4 Screws  
Recommended tightening torque  
0.6 N·m



**Folding Bracket**  
**SZQ-001W**

Compatible products  
LR series

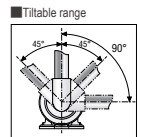
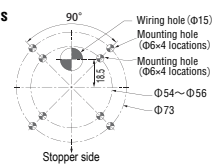
Corresponding pole  
POLE22-AN

Material: PC



**Mounting dimensions (Unit:mm)**

M5 Screws  
Recommended tightening torque  
1.4 N·m



## Pole Mounting



**Upper Bracket**  
**SZP-101**

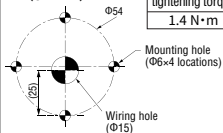
Compatible products  
SKH / SF10 / SL10

Corresponding pole  
POLE22-AN  
POLE22-AT

Material: PC



**Mounting dimensions (Unit:mm)**



**NPT Bracket**  
**SZP-102**

Compatible products  
SKS / SF08 / SL08

Material: AL



**NPT Bracket**  
**SZP-103**

Compatible products  
SKH / SF10 / SL10

Material: AL



**NPT Bracket**  
**SZP-104**

Compatible products  
SKP / SL15

Material: AL



**NPT Bracket**  
**SZP-090U**

Compatible products  
LR4-WJ / LR5-WJ / LR5-WT / LR5-KT

Material: AL



**NPT Bracket**  
**SZP-091U**

Compatible products  
LR6-WJ / LR7-WJ / LR7-WT / LR7-KT

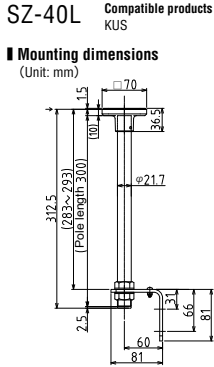
Material: AL



\* Use mounting rubber gasket when installing 3-screw mounting type units. Bracket does not support AC cord with plug.

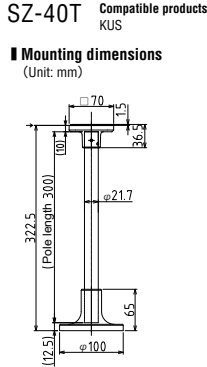
# Poles and Pole Assemblies

70 mm



Materials: ADC12, Carbon Steel Tubes for Machine Structural Purposes 11 type A, SPHC, EPT

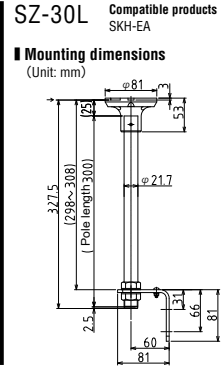
RoHS 10



Circular mount SZ-010 type included  
Materials: ADC12, Carbon Steel Tubes for Machine Structural Purposes 11 type A, SPHC, EPT

RoHS 10

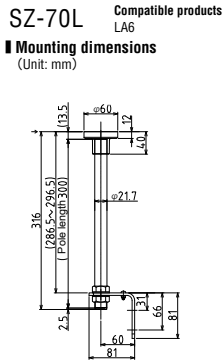
81 mm



Materials: ADC12, Carbon Steel Tubes for Machine Structural Purposes 11 type A, SPHC, EPT

RoHS 10

60 mm



Materials: ADC12, Carbon Steel Tubes for Machine Structural Purposes 11 type A, SPHC, EPT

RoHS 10

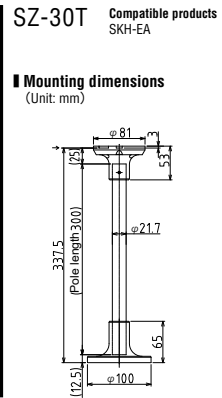
Steel Pole



- 22POLE-300** Compatible products LA6
- 22POLE-500** Compatible products LA6
- 22POLE-1000** Compatible products LA6

Materials: carbon steel pipes for ordinary piping

RoHS 10



Circular mount SZ-010 type included  
Materials: ADC12, Carbon Steel Tubes for Machine Structural Purposes 11 type A

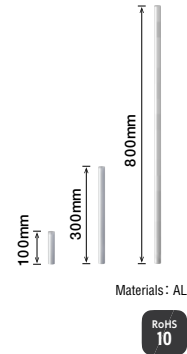
RoHS 10

## Aluminum Pole

(Bind tapping screw for affixing pole (2 screws) included)  
\*When cutting the poles, do not cut with pole cutters. Use a fret saw, power saw, or jigsaw.  
\*If changing from direct mounting specifications to pole mounting specifications, please purchase pole brackets together with the aluminum pole.

- |                |                               |                     |                            |
|----------------|-------------------------------|---------------------|----------------------------|
| <b>N type</b>  | 100mm Type: POLE22-0100AN(K)  | <b>T type</b>       | 100mm Type: POLE22-0100AT  |
|                | 300mm Type: POLE22-0300AN(K)  |                     | 300mm Type: POLE22-0300AT  |
|                | 500mm* Type: POLE22-0500AN    | <b>Nut included</b> | 500mm Type: POLE22-0500AT  |
| <b>NK type</b> | 800mm* Type: POLE22-0800AN(K) |                     | 800mm Type: POLE22-0800AT  |
|                | 1000mm* Type: POLE22-1000AN   |                     | 1000mm Type: POLE22-1000AT |

\*Compatible brackets: SZK-001U, SZP-002U, SZ-010. \*We accommodate pole lengths other than the above as custom orders.  
Compatible pole lengths: 150mm, 200mm, 250mm, 350mm, 400mm, 450mm, 600mm, 700mm, 900mm



## POLE-800A21+00109

Compatible products SZP-004W

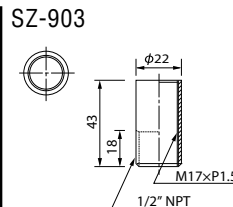
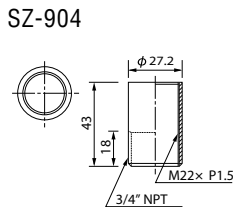
## POLE-300A21+00109

Compatible products SZP-004W

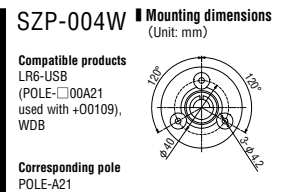
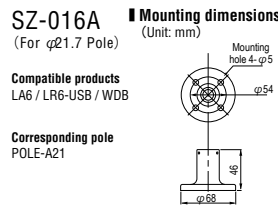
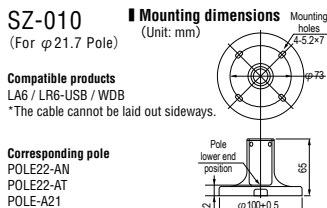
## POLE-100A21+00109

Compatible products SZP-004W

## NPT Adaptor



## Pole Bracket





**Platform Bracket**

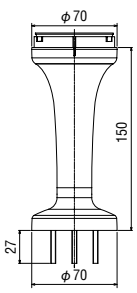


SZ-100 (Off-white)  
 SZ-100D (Dark Gray)  
 SZ-100S (Silver paint)

Compatible products  
 LS7

Material: Heat-resistant ABS  
 RoHS 10

**Mounting dimensions**  
 (Unit: mm)



**Pole Bracket**



Material: PC  
 RoHS 10

**NE-001D**

Compatible products  
 NE-A / NE-IL

Corresponding pole  
 POLE22-AN (excluding NE-IL)  
 POLE22-AT (excluding NE-IL)  
 POLE-A21

**Multi-mount Bracket**



SZ-130 SZ-130S SZ-130D  
 Material: PC

**SZ-130**

Compatible products  
 LS7

RoHS 10

**Partition Mounting Bracket**



**NH-PST**

Compatible products  
 NH-FB

Material: SECC

RoHS 10

**Desktop Platform**



**SZW-060W**

Compatible products  
 LAG-5DTNWB-PDE,  
 LAG-5AWJWB-RYGBCC

RoHS 10



**SZW-002W**

Compatible products  
 LR4-02WJ, LR5-0□□□,  
 LR6-02WJ, LR6-1LWM, LR6-USB  
 WDB, PWS

Material: SECC

RoHS 10

**Rack Mounting Bracket**



**NBM-ANG**

Compatible products  
 NBM

Material: SECC

RoHS 10

**Ceiling Mounting Bracket**



**SZW-101**

Compatible products  
 SKH/SF10/SL10

Material: SPCE

RoHS 10



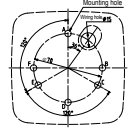
**RF-002**

Compatible products  
 RFV, RFT  
 \*It cannot be used in a place  
 exposed to water.

Material: ABS

RoHS 10

**Mounting dimensions**  
 (Unit: mm)



\*If screwing in 2 locations, use A-D and B-F; if mounting in 3 locations, use A-C-E. Please mount with M6 screws.

**Rubber Gasket**



**SZW-102**

Compatible products  
 SKS / SF08 / SL08  
 3-point bolt foot mounting type

Material: Silicon

RoHS 10



**SZW-103**

Compatible products  
 SKH/SF10/SL10  
 3-point bolt foot mounting type

Material: Silicon

RoHS 10

**Serial Cable**



**WDX-SC01**

Approximately 3 m long.

Compatible products  
 WDB

RoHS 10

**WD System Setup Kit**



**WDX-4LRB**

Compatible products  
 WDT-4LR-Z2

RoHS 10



**WDX-5LRB**

Compatible products  
 WDT-5LR-Z2

RoHS 10



**WDX-6LRB**

Compatible products  
 WDT-6LR-Z2

RoHS 10

**WD System Setup Software**



**WDS-WIN01**

Compatible products  
 WDR-Z2-PRO / WDR-Z2

\* Free version is limited to changing the transmitter and receiver settings. Data collection only available with paid license.

**Tint Film**



**NHL-TF**

Compatible products  
 NHL-FV2 / NHL-FB2

**NHP-TF**

Compatible products  
 NHP-FV2 / NHP-FB2 / PHE-3FB3

RoHS 10

**Universal AC Adapter**



**ADP-001**

Compatible products  
 NH / NBM-D88N / PHE-3FB3  
 PHC-D08 / WDR-LE-Z2  
 WDX-5LRB / WDX-6LRB  
 WDR-LE-Z2-PRO(-L)

Compatible countries  
 Japan, Europe, U.S., China, Korea,  
 Taiwan, Thailand, Indonesia, Canada,  
 Philippines, Vietnam

RoHS 10

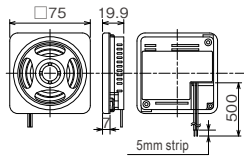
Speaker



**SPB-2E-W**(Off-white)  
2W 8Ω

RoHS 10

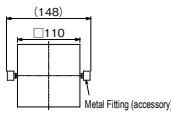
■ **Mounting dimensions**  
(Unit: mm)



**SPB-5E**(Light Gray)  
5W 8Ω

RoHS 10

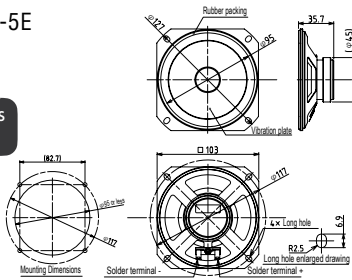
■ **Mounting dimensions**  
(Unit: mm)



**SPL-5E**  
5W 8Ω

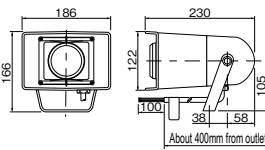
RoHS 10

■ **Mounting dimensions**  
(Unit: mm)



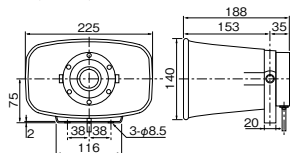
**SPW-5E**(Light Gray)  
5W 8Ω

■ **Mounting dimensions**  
(Unit: mm)



**SPH-10EA**  
10W 8Ω

■ **Mounting dimensions**  
(Unit: mm)



Cable Gland



**REL-001**

Compatible products  
REL / EDLR

RoHS 10

Materials:  
Copper alloy, nickel plating

SD Card



**SDV-2GP**

Compatible products  
Various voice annunciator alarms

RoHS 10

Mounting Bracket

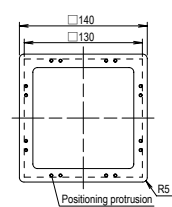


**BK-001**

Compatible products  
BK / BKV / SPB-5E  
BK-001  
Can be used to install older  
products with □130mm mounting  
holes.

RoHS 10

■ **Mounting dimensions**  
(Unit: mm)

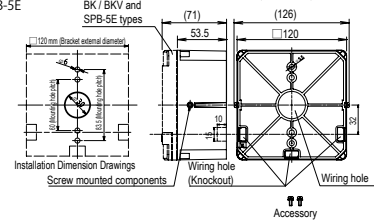


**BK-002-J** (Light gray)  
**BK-002-K** (Dark gray)

Compatible products  
BK / BKV / SPB-5E

RoHS 10

■ **Mounting dimensions**  
(Unit: mm)



# Cable



RoHS  
10

Connector with cable  
(OMRON model)  
**SZ-120-02 (2m)**  
(XS2F-D821-DH0-R)

**SZ-120-05 (5m)**  
(XS2F-D821-GH0-R)

**SZ-120-10 (10m)**  
(XS2F-D821-JH0-R)

Compatible products  
LS7, LR6-WC

# Mounting Bracket for LED Work Light



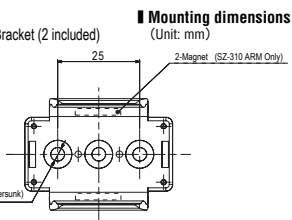
**SZ-310AR**  
Rear Screw Mount Bracket (2 included)

**SZ-310ARM**  
Rear Magnetic Mount Bracket (2 included)

Compatible products  
CLA-A

RoHS  
10

Material: PC



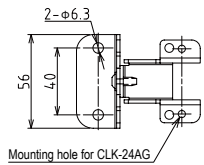
Materials:  
Cold rolled stainless steel plate  
(SUS304)

**SZ-320KS**

Compatible products  
CLK / CLK-A / CWK

RoHS  
10

Mounting dimensions  
(Unit: mm)



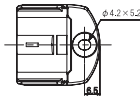
**SZ-310AS**  
Side Screw Mount Bracket (2 included)

Compatible products  
CLA-A

RoHS  
10

Material: PC

Mounting dimensions  
(Unit: mm)



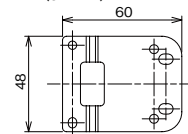
Material:  
Cold rolled stainless steel plate  
(SUS304)

**CLK-001**

Compatible products  
CLK / CLK-A

RoHS  
10

Mounting dimensions  
(Unit: mm)



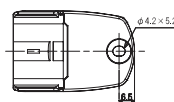
**SZ-310ASB**  
Side Screw Mount Bracket  
Compatible with CLB-24N. (2 included)

Compatible products  
CLA-A

RoHS  
10

Material: PC

Mounting dimensions  
(Unit: mm)

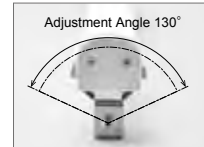


Material: SUS304

**CWF-001**  
Swivel Bracket

Compatible products  
CWF

RoHS  
10



Adjustment Angle 130°  
※Accessory Bracket Screw 2pcs included.  
Mounting screws not included.



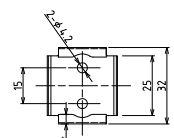
**SZ-310EU**  
Steel Rear Screw Mount Bracket, silver

Compatible products  
CLA-A

RoHS  
10

Material: Stainless Steel

Mounting dimensions  
(Unit: mm)



Material: Neodymium Magnet

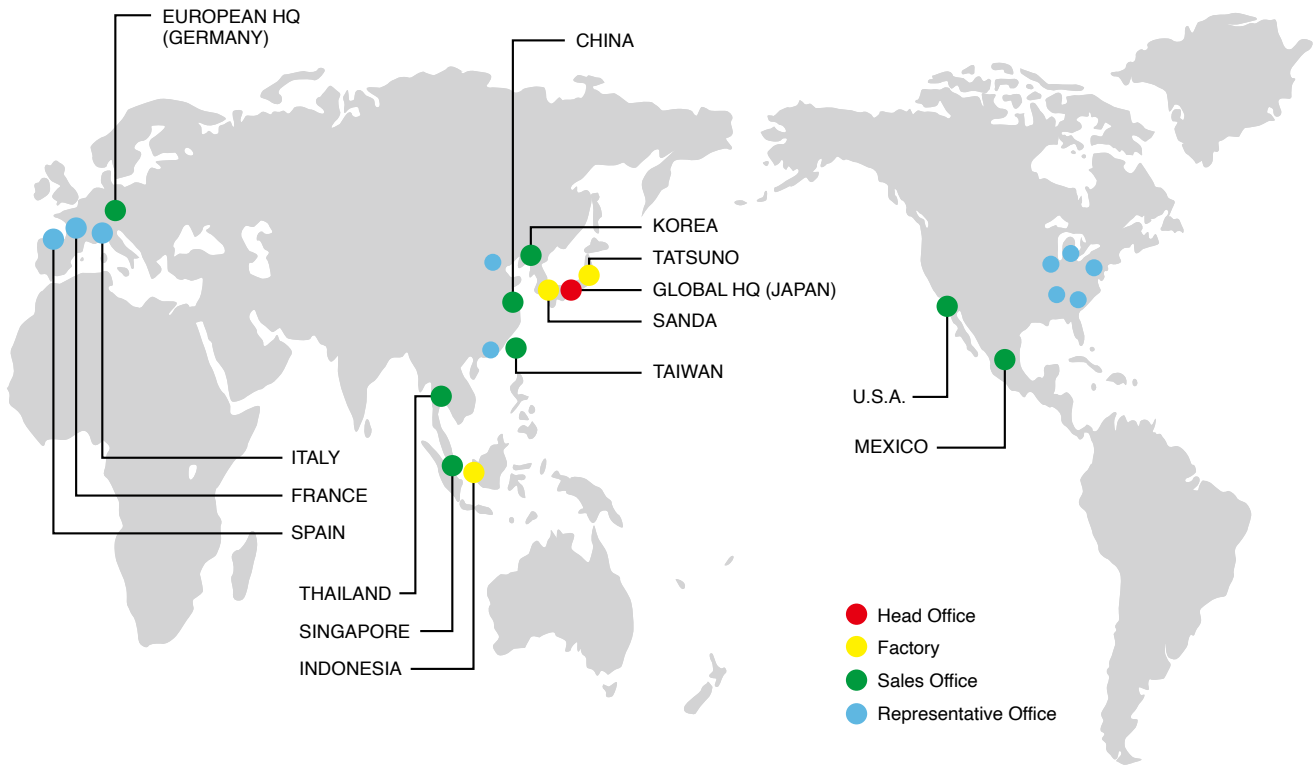
**CWF-002**  
Magnetic Mounting Bracket

Compatible products  
CWF

RoHS  
10

※Accessory Bracket Screw 2pcs included

# PATLITE Global Network



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#### CAUTION

To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Specifications are subject to change without notice.