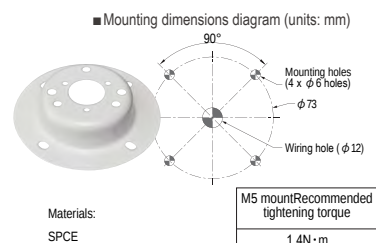


Signal Tower LR series optional parts

For direct mounted models

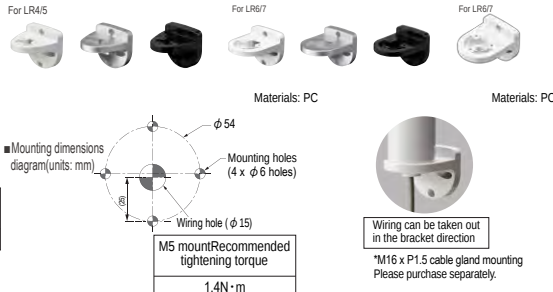
Circular Bracket

Model: SZW-001W



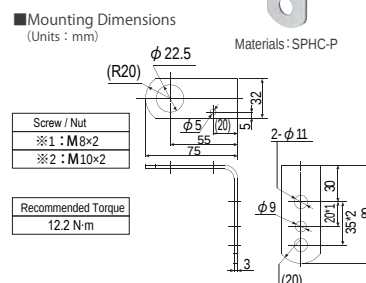
Wallmount Bracket

Model: SZK-002W/U/K



L Angle

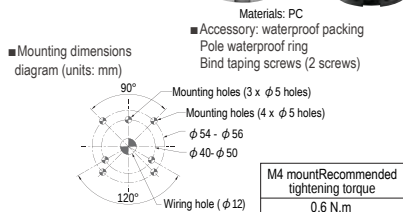
Model: SZL-001



For aluminum pole (N type)

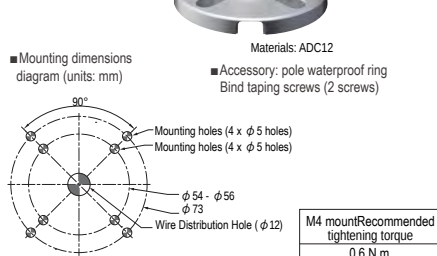
Circular Multi Pitch Bracket

Model: SZP-001W/U/K



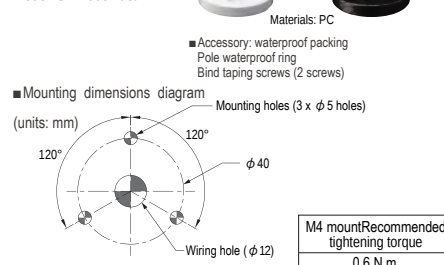
Circular Bracket

Model: SZP-002U



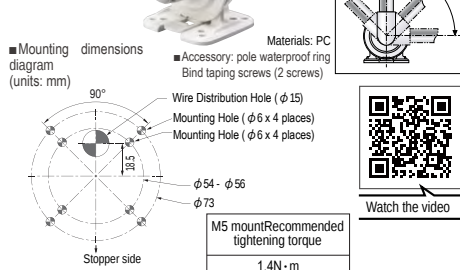
Circular Bracket

Model: SZP-003W/U/K



Tilt Bracket

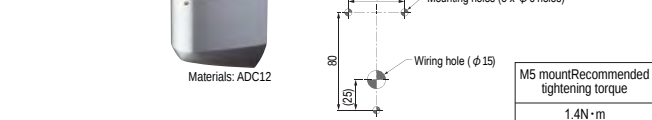
Model: SZQ-001W



For aluminum pole (N/T type)

Wallmount Bracket

Model: SZK-001U



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 (repair parts) together with the aluminum pole as a single item.

N type	100mm	Type: POLE22-0100AN(K)	T type	100mm	Type: POLE22-0100AT
	300mm	Type: POLE22-0300AN(K)		300mm	Type: POLE22-0300AT
	500mm*	Type: POLE22-0500AN		500mm	Type: POLE22-0500AT
	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

Compatible Direct Mount Bracket



Outline

Model Name	SZW-940U	SZW-950U	SZW-960U	SZW-970U
Signal Tower Size	φ40mm	φ50mm	φ60mm	φ70mm
Product Conversion	LCE-AW → LR4-WJ	LE-WILES-AWILUS → LR5-WJ	LME-W → LR6-WJ	LHE/LU7 → LR7-WJ

Current Products

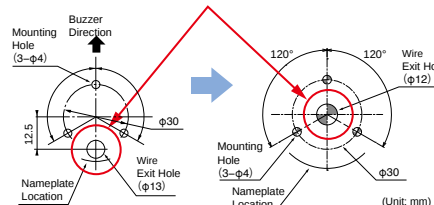
LE φ50

New Product

LR4 φ40

LR5 φ50

Note : Cable exit hole for current products and New products is different



Pole-compatible Adaptor



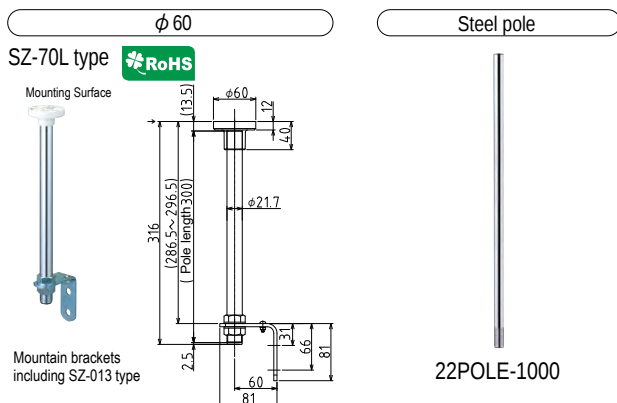
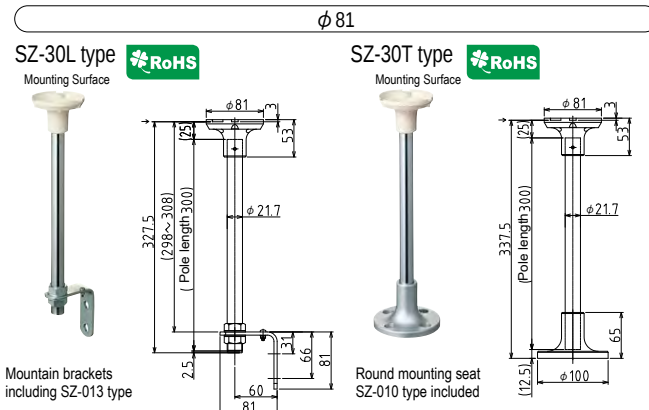
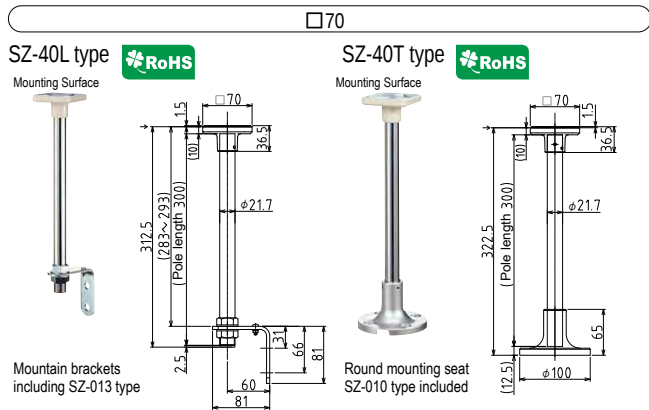
Outline

Model Name	SZP-917U
Pole diameter compatibility	21.7mm → 17.3mm

	Model	Material	Compatible with LR Pole?
Current Product	LCE, LCS	Iron	No
	LE, LES	Iron	No
	LU5	-	-
	LME, LMS	L:Iron P:Aluminum	Yes
	LHE	-	-
New Product	LU7	-	-
	LR	Aluminum	Yes

Mounting Pole

■ Units of each dimension diagram are in mm.



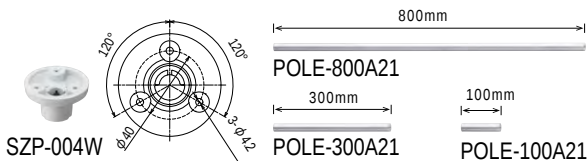
*Cannot be combined with mounting rubber (SZ-200A, SZ-210).

Model	Mounting Pole					
	Bracket	Pole	L type bracket	Cord Bushing	Round mounting base	Compatible models
SZ-70L	ABS resin	Carbon steel pipe 11-A for mechanical structure	SPHC	EPT	—	LA6
SZ-30L						RS, RLE, RU, RH-A, PS, PES-A, RHE(B), SKH-A, SKH-EA, SKHE
SZ-30T			—	—	ADC12	KUS
SZ-40L	ADC12		SPHC	EPT	—	
SZ-40T			—	—	ADC12	

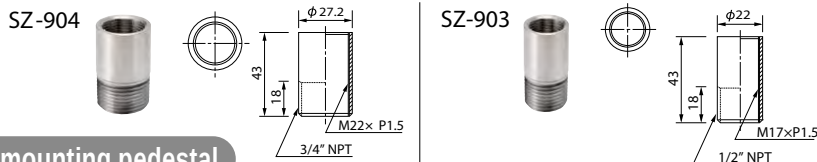
ADC12... 12 types of aluminum alloy die casting. SPHC... hot rolled soft sheet steel (general use). EPT... ethylene-propylene rubber. *When using the SZ-□ type mounting bracket, a cable extension may be necessary depending on the product.

Model	Material	Specification	Compatible models
22POLE-300	Carbon steel pipes for ordinary piping	φ 21.7mm pole300mm	LA6
22POLE-500		φ 21.7mm pole500mm	
22POLE-1000		φ 21.7mm pole1,000mm	
POLE-100A21	Aluminum	φ 21.7mm pole100mm	LR6-USBUse with SZW-004W
POLE-300A21		φ 21.7mm pole300mm	
POLE-800A21		φ 21.7mm pole800mm	

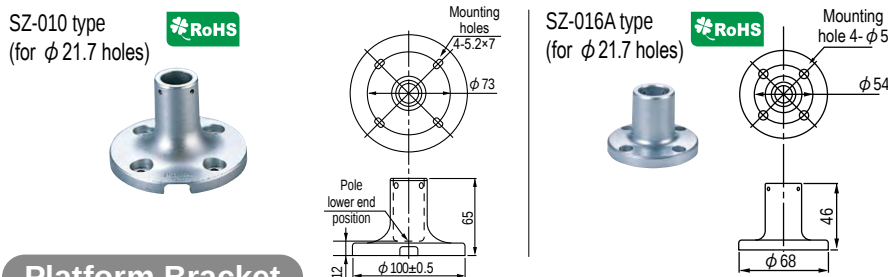
For LR6-USB



NPT Adaptor



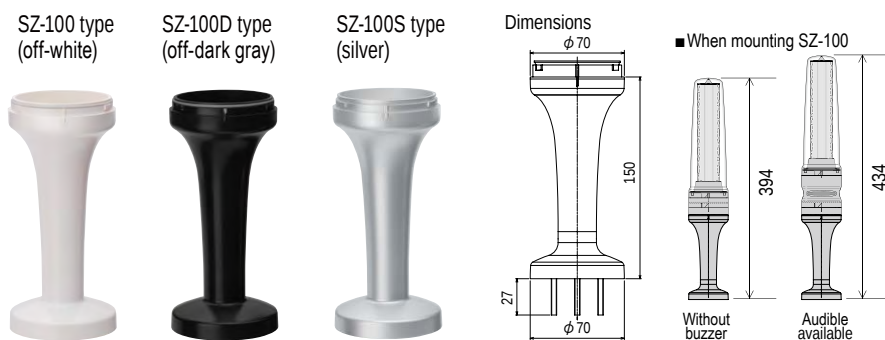
Circular mounting pedestal



Model	Material	Compatible models
SZ-010	12 types of aluminum alloy die casting	LR, LA6, RUP, LR6-USB
SZ-016A		LA6, RUP, LR6-USB

■ Units of each dimension diagram are in mm.

Platform Bracket

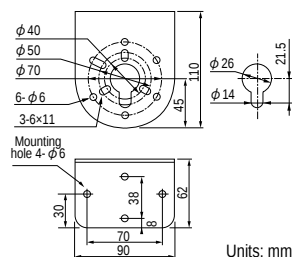


Model	Material	Compatible models
SZ-100	Heat-resistant ABS	LS7
SZ-100D		
SZ-100S	Heat-resistant ABS (silver paint)	

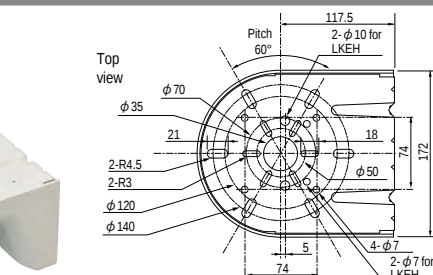
■ Units of each dimension diagram are in mm.

Wall Mount Bracket

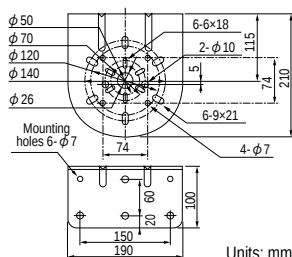
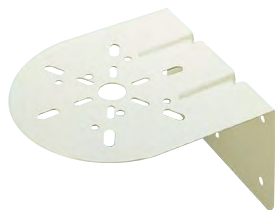
SZ-007



SZ-023



SZ-008

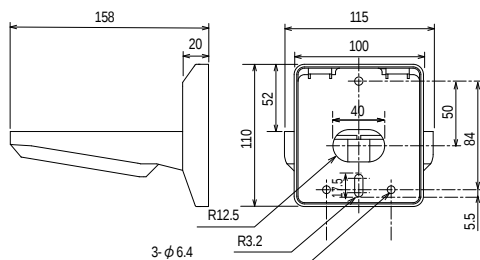


*RFT type is not compatible.

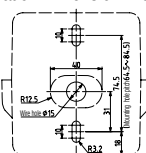
RF-001



Installation Image



Installation Dimension Drawings



*Attach using the M6 screw in 2 places



Units: mm

SZ-110
(off-white)



SZ-110D
(off-dark gray)



SZ-110S
type (silver)



Multi-mount Bracket SZ-130



SZ-130

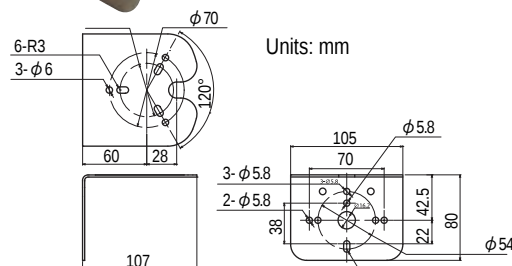


SZ-130S



SZ-130D

SZ-170



Model	Material	Compatible models
SZ-023	Bracket: steel (powder coating) Bracket cover: resin (AES)	ϕ 50, 70, 120, and 140 mounting pitch type. and $\square$ 74 type* ¹
RF-001	ABS resin	RFV, RFT
SZ-007	Electro galvanized zinc plated steel	LHE and ϕ 50, 70 mounting pitch type* ²
SZ-008		ϕ 50, 70, 120, and 140 mounting pitch type. and $\square$ 74 type
SZ-310AR	Polycarbonate	CLA
SZ-310ARM		
SZ-310AS		
SZ-310ASB		
SZ-110	Heat-resistant ABS	LS7
SZ-110D		
SZ-110S	Heat-resistant ABS (silver paint)	LFH and ϕ 50, 70 mounting pitch type* ³
SZ-170	SUS304	

■ Units of each dimension diagram are in mm.

*¹ Mounting direction may be restricted depending on the wall surface direction.

Parts which protrude from the main body cannot be mounted backwards.

*² SZ-007 is not compatible with LGE/LKEH.

*³ Please note that SKHE (B), SKH (B) -A, and SKH-EA AC100V specifications do not pass through the center hole of the side panel as they come with a power socket.

Optional

Network

Signal Tower

Signal Light

Revolving
Warning Light

Cube Tower

Audibles

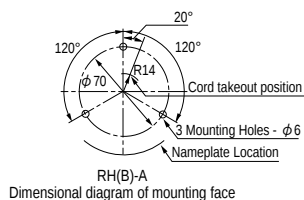
Hybrid
Signaling
Devices

LED
Illumination

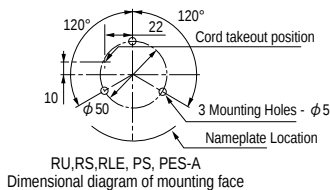
Options

Mounting Gasket

SZ-200A



SZ-210



Model	Material	Compatible models
SZ-200A	Ethylene - propylene rubber	RH(B)-A, RHE(B)
SZ-210		RU, RS, RLE, PS, PES-A, PSE

■ Units of each dimension diagram are in mm.

Locking Ring Rubber Cover

SKP-001 model



Model	Compatible models
SKP-001	SKP-A

■ Units of each dimension diagram are in mm.

Mounting Bracket for LED Work Light

SZ-310AR

Rear attachment screw mount (2 included)

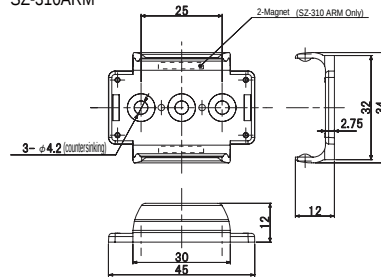


SZ-310ARM

Rear attachment magnetic mount (2 included)



SZ-310AR and
SZ-310ARM

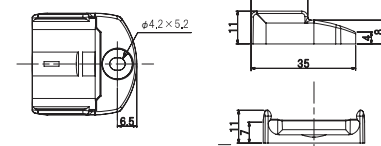


SZ-310AS

Side attachment screw mount (2 included)



SZ-310AS

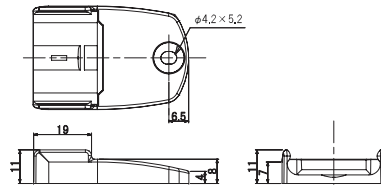


SZ-310ASB

Rear attachment screw mount.
Compatible with CLB-24N. (2 included)



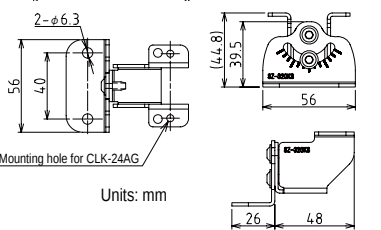
SZ-310ASB



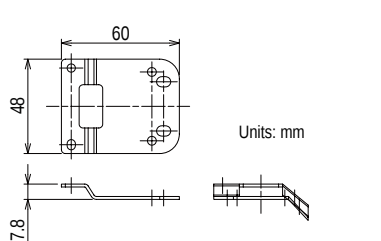
SZ-320KS



Installation Image



CLK-001 type

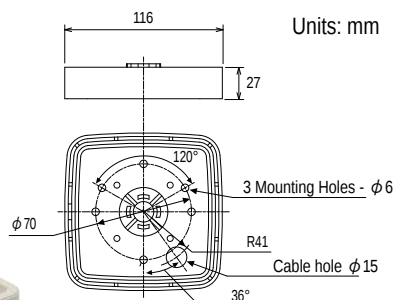


Ceiling Mount Bracket

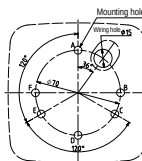
RF-002



Installation Image



Units: mm



Installation Dimension Drawings

*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.

Model	Material	Compatible models
RF-002	ABS resin	RFV, RFT

*Cannot be used in a location where it will in contact with water.

Cable

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)
Supported type: LS7,LR6-WC



SD card

SD card (2GB)
SDV-2GP



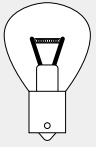
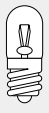
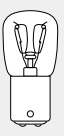
Global AC adaptor

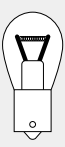
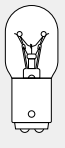
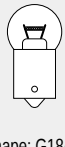
ADP-001
Compatible models
NH series, NBM-D88NN, PHE-3FB3,
PHC-D08, WDR-LE-Z2
Compatible countries
Japan, Europe, U.S., China, Korea, Taiwan, Thailand, Indonesia, Canada,
Philippines, Vietnam



Replacement Parts

Bulb

Shape	Bulb No.	Ratings	Part No.
 Bulb Shape: RP35/BA15S	1	12V 35W	D01203501-F1
	2	24V 35W	D02403501-F1
 Bulb Shape: RP35/BA15D	5	48V 35W	D04803502-F1
 Bulb Shape: G18/BA15S	8	6V 3W	D00600303-F1
	9	12V 10W	D01201003A-F1
	10	24V 10W	D02401003A-F1
	11	48V 10W	D04801003-F1
	12	12 V5W	D01200503A-F1
 Bulb Shape: T20/E12	13	30V 10W	D03001006A-F1
	14	110V 10W	D11001006A-F1
	15	220V 10W	D22001006A-F1
	16	110V 15W	D11001506A-F1
	17	220V 15W	D22001506A-F1
 Bulb Shape: G14/BA9S	18	12V 6W	D01200604-F1
	19	24V 6W	D02400604-F1
 Bulb Shape: T10/E10	22	110V 3W	D11000307-F1
	27	12V 0.11A	D012/1107-F1
	28	24V 0.11A	D024/1107-F1
 Bulb Shape: RP35/BA15D	36	120V 40W (for vibration resistance)	D12004024-F1
	37	220V 30W	D22003024-F1
 Bulb Shape: T20/BA15D	39	28V 11W	D02801111-F1
	40	110V 12W	D11001211-F1
	41	250V 11W	D25001111-F1

Shape	Bulb No.	Ratings	Part No.
 Bulb Shape: S25/BA15S	42	12V 23W	D01202305-F1
	43	24V 25W	D02402505-1F1
 Bulb Shape: T20/BA15D	50	28V 20W	D02802011-F1
 Bulb Shape: T20/BA15D	51	110V 20W	D11002011-F1
 Bulb Shape: G18/BA15S	53	250V 20W	D25002011-F1
	54	12V 15W	D01201503-F1
	55	24V 20W	D02402003-F1

*Bulb Shape: glass bulb shape/base shape

*Light bulb filament shape may vary from diagram by light bulb.

*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.

Replacement Parts

Please refer to website for repair parts

*We cannot replace the lowest tier of the LES-A type. In addition, wiring is based only on unit color at the time of sale, so there are restrictions on replacement and number of tiers.

[Production for the main unit is discontinued, below are only replacement parts]

Product Model	Product name	Specifications	Part Number
ME(S)-A	Red globe unit (Clear lens type)	LED-UT red ME(S)-A	B72100223-1F1
	Amber globe unit (Clear lens type)	LED-UT amber ME(S)-A	B72100223-2F1
	Green globe unit (Clear lens type)	LED-UT green ME(S)-A	B72100115-3F1
	Blue globe unit (Clear lens type)	LED-UT blue ME(S)-A	B72100115-4F1
	White globe unit (Clear lens type)	LED-UT white ME(S)-A	B72100115-7F1
	1 Tier Shaft	Screw 1-tier ME(S)-A	S33552110-0346F1
	2 Tier Shaft	Screw 2-tier ME(S)-A	S33552110-0376F1
	3 Tier Shaft	Screw 3-tier ME(S)-A	S33552110-03108F1
	4 Tier Shaft	Screw 4-tier ME(S)-A	S33552110-03138F1
	5 Tier Shaft	Screw 5-tier ME(S)-A	S33552110-03168F1

MP(S)	Red globe unit	LED-UT red MP, MPS	B72100182-1F1
	Amber globe unit	LED-UT amber MP, MPS	B72100182-2F1
	Green globe unit	LED-UT green MP, MPS	B72100182-3F1
	Blue globe unit	LED-UT blue MP, MPS	B72100182-4F1
	White globe unit	LED-UT white MP, MPS	B72100182-7F1
	1 Tier Shaft	Screw 1-tier MP, MPS	S33552120-0355F1
	2 Tier Shaft	Screw 2-tier MP, MPS	S33552120-0390F1
	3 Tier Shaft	Screw 3-tier MP, MPS	S33552120-03125F1
	4 Tier Shaft	Screw 4-tier MP, MPS	S33552120-03160F1
	5 Tier Shaft	Screw 5-tier MP, MPS	S33552120-03195F1

LGE	Red globe unit	LED-UT red LGE(H)	B32100004-1F1
	Amber globe unit	LED-UT amber LGE(H)	B32100004-2F1
	Green globe unit	LED-UT green LGE(H)	B32100004-3F1
	Blue globe unit	LED-UT blue LGE(H)	B32100004-4F1
	White globe unit	LED-UT white LGE(H)	B32100004-7F1
	1 Tier Shaft	Screw 1-tier LGE, LGEH	B62910028-1F1
	2 Tier Shaft	Screw 2-tier LGE, LGEH	B62910028-2F1
	3 Tier Shaft	Screw 3-tier LGE, LGEH	B62910028-3F1
	4 Tier Shaft	Screw 4-tier LGE, LGEH	B62910028-4F1

WME-A	Red globe unit	LED-UT red WME-A	B72100117-1F1
	Amber globe unit	LED-UT amber WME-A	B72100117-2F1
	Green globe unit	LED-UT green WME-A	B72100117-3F1
	Blue globe unit	LED-UT blue WME-A	B72100117-4F1
	White globe unit	LED-UT white WME-A	B72100117-7F1
	2 Tier Shaft	Screw 2-tier LM□, LHE, WME	S33552120-04100F1
	3 Tier Shaft	Screw 3-tier LM□, LHE, WME	S33552120-04140F1
	4 Tier Shaft	Screw 4-tier LHE, WME	S33552120-04180F1
	5 Tier Shaft	Screw 5-tier LHE and 3-tier SE	S33552120-04220F1
	2 Tier Metal Fitting	Metal Fitting 2-tier WME-A	B85130021-4F1
	3 Tier Metal Fitting	Metal Fitting 3-tier WME-A	B85130021-3F1
	4 Tier Metal Fitting	Metal Fitting 4-tier WME-A	B85130021-2F1
	5 Tier Metal Fitting	Metal Fitting 5-tier WME-A	B85130021-1F1

LKEH	Red globe unit	LED-UT red LKEH	B72100151-1F1
	Amber globe unit	LED-UT amber LKEH	B72100151-2F1
	Green globe unit	LED-UT green LKEH	B72100151-3F1
	Blue globe unit	LED-UT blue LKEH	B72100151-4F1
	White globe unit	LED-UT white LKEH	B72100151-7F1
	1 Tier Shaft	Shaft LKEH for 1 x 1-tier unit	B62910033-1F2
	2 Tier Shaft	Shaft LKEH for 2 x 1-tier unit	B62910033-2F2
	3 Tier Shaft	Shaft LKEH for 3 x 1-tier unit	B62910033-3F2
	4 Tier Shaft	Shaft LKEH for 4 x 1-tier unit	B62910033-4F2

LCE-A, LCS-A	Red globe unit	LED-UT red LC□-A	B72100208-1F1
	Amber globe unit	LED-UT amber LC□-A	B72100208-2F1
	Green globe unit	LED-UT amber LC□-A	B72100208-3F1
	Blue globe unit	LED-UT blue LC□-A	B72100208-4F1
	White globe unit	LED-UT white LC□-A	B72100208-7F1
	Red globe unit (Clear lens type)	LED-UT Translucent red LC□-A Z	B72100209-1F1
	Amber globe unit (Clear lens type)	LED-UT Translucent amber LC□-A Z	B72100209-2F1
	Green globe unit (Clear lens type)	LED-UT Translucent green LC□-A Z	B72100209-3F1
	Blue globe unit (Clear lens type)	LED-UT Translucent blue LC□-A Z	B72100209-4F1
	1 Tier Shaft	Screw 1-tier LC□-A	S33552120-0351F1
	2 Tier Shaft	Screw 2-tier LC□-A	S33552120-0386F1
	3 Tier Shaft	Screw 3-tier LC□-A	S33552120-03121F1
	4 Tier Shaft	Screw 4-tier LC□-A	S33552120-03158F1
	5 Tier Shaft	Screw 5-tier LC□-A	S33552120-03193F1

LE, LES*	Red globe unit	LED-UT red LE, LES	B72100210-1F1
	Amber globe unit	LED-UT amber LE, LES	B72100210-2F1
	Green globe unit	LED-UT green LE, LES	B72100210-3F1
	Blue globe unit	LED-UT blue LE, LES	B72100210-4F1
	White globe unit	LED-UT white LE, LES	B72100210-7F1
	Red globe unit (for 12V DC type)	LED-UT for red LE 12V	B72100211-1F1
	Amber globe unit (for 12V DC type)	LED-UT for amber LE 12V	B72100211-2F1
	Green globe unit (for 12V DC type)	LED-UT for green LE 12V	B72100211-3F1
	Blue globe unit (for 12V DC type)	LED-UT for blue LE 12V	B72100211-4F1
	White globe unit (for 12V DC type)	LED-UT for white LE 12V	B72100211-7F1
	1 Tier Shaft	Screw 1-tier LE, LES	S33552120-0445F1
	2 Tier Shaft	Screw 2-tier LE, LES	S33552120-0475F1
	3 Tier Shaft	Screw 3-tier LE, LES	S33552120-04105F1
	4 Tier Shaft	Screw 4-tier LE, LES	S33552120-04135F1
	5 Tier Shaft	Screw 5-tier LE, LES	S33552120-04165F1

LME LMS	Red globe unit	LED-UT red LM□	B72100206-1F1
	Amber globe unit	LED-UT amber LM□	B72100206-2F1
	Green globe unit	LED-UT green LM□	B72100206-3F1
	Blue globe unit	LED-UT blue LM□	B72100206-4F1
	White globe unit	LED-UT white LM□	B72100206-7F1
	Red globe unit (Clear lens type)	LED-UT translucent red LM□-Z	B72100207-1F1
	Amber globe unit (Clear lens type)	LED-UT translucent amber LM□-Z	B72100207-2F1
	Green globe unit (Clear lens type)	LED-UT translucent green LM□-Z	B72100207-3F1
	Blue globe unit (Clear lens type)	LED-UT translucent blue LM□-Z	B72100207-4F1
	1 Tier Shaft	Screw 1-tier LM□, LHE, WME	S33552120-0455F1
	2 Tier Shaft	Screw 2-tier LM□, LHE, WME	S33552120-04100F1
	3 Tier Shaft	Screw 3-tier LM□, LHE, WME	S33552120-04140F1
	4 Tier Shaft	Screw for 4-tier LM□	S33552120-04185F1
	5 Tier Shaft	Screw for 5-tier LM□	S33552120-04225F1

LHE-A	Red globe unit	LED-UT red LHE	B72100147-1F1
	Amber globe unit	LED-UT amber LHE	B72100147-2F1
	Green globe unit	LED-UT green LHE	B72100147-3F1
	Blue globe unit	LED-UT blue LHE	B72100147-4F1
	White globe unit	LED-UT white LHE	B72100147-7F1
	1 Tier Shaft	Screw 1-tier LMD□, LHE, WME	S33552120-0455F1
	2 Tier Shaft	Screw 2-tier LMD□, LHE, WME	S33552120-04100F1
	3 Tier Shaft	Screw 3-tier LMD□, LHE, WME	S33552120-04140F1
	4 Tier Shaft	Screw 4-tier LHE, WME	S33552120-04180F1
	5 Tier Shaft	Screw 5-tier LHE, 3-tier SE	S33552120-04220F1

Replacement Parts

●We stock parts that can be replaced by the customer as repair parts.

You can refer to the list of replacement or repair parts on our website by going to: www.patlite.com/

You can search for replacement or repair parts by going to our homepage and clicking on "Customer Support" and then scroll down to "Replacement Parts" on the menu.

Purchase from the retail store you purchased your product from, or contact your PATLITE sales representative for more information.

Information on discontinued models

For next generation models, you can go to our homepage and click on "Customer Support" and then scroll down to "Discontinued Products" on the menu.

If the information you are looking for is not found, contact your PATLITE sales representative for more information.

■ Next-generation models

Some compatibility between legacy and next-generation models may not have been kept for mounting structure, wiring, operating environment and power consumption

Refer to the catalog, product specifications, webpage and instruction manual for details on next-generation models.

■ Period to maintain support and repair part sales availability

Due to the unpredictable circumstances to maintain stock for consumption parts, please understand that the support period for the sale period of repair parts may be shortened due to the consumption of parts and procurement status.

Caution on long-term use

In general, products may experience safety-related issues such as aging degradation, insulation failures of electronic components and circuit boards, and smoke, fire, and electrification from products due to contact failures when using products for a long period of time.

In addition, products may experience problems such as deformation damage, water intrusion, and malfunction due to material degradation, such as resins, metals, and rubber parts.

While the product lifespan varies upon conditions such as frequency of use, environmental conditions, it is recommended to not use products for more than 10 years, unless specified in the product specifications or instruction manual.

If the products are used in environments with vibration and shock, it may cause mounted products to come loose, become damaged from falling or may lead to injury to the customer.

Be sure to regularly inspect the products at least one to two times per year that the mountings are tightly fastened and re-tighten them when necessary.

The lifespan of consumable parts (motors, light bulbs, rotor bushings, packing, O-rings, bearings and xenon boards, etc.) may vary based on their environment.