PATLITE _®	Wallmount Bracket / Ceiling Mount Bracket Rubber Gasket / Upper Bracket / NPT Bracket	(<u>GA0001462_01</u>)
	Web Manual	
	TYPE SZK / SZW / SZP	

This product is an optional part for use in combination with its compatible models.

Compatible Model Rotating Beacons SK , Multi-function Beacons SF , Flashing Beacons SL

(Note) 1. Be sure to read the instruction manual included with the compatible Model in addition to this model.

(Top:Product Name Bottom:Model)

Wallmount Bracket	Wallmount Bracket	Wallmount Bracket	(Top:Product Name Bottom:Model) Wallmount Bracket Cover
SZK-101	SZK-102	SZK-103	SZK-104
Wallmount Bracket Cover	Ceiling Mount Bracket	Rubber Gasket	Rubber Gasket
SZK-105	SZW-101	SZW-102	SZW-103
Contraction of the second seco			
Upper Bracket	NPT Bracket	NPT Bracket	NPT Bracket
SZP-101	SZP-102	SZP-103	SZP-104

Notice to Customer

Thank you very much for purchasing our Patlite products.

Request the installation and wining be performed by a professional contractor if construction work is involved.
 Prior to installation, read this manual thoroughly before using this product to ensure correct use. In addition, please store this manual for future reference when performing maintenance, repairs or inspections.
 If there any questions concerning this product, refer to the contact information at the end of this document and contact your nearest PATLITE Sales Representative.

To the Contractor

· Read this manual carefully prior to installation.

1 Read this First

NOTES TO BE OBSERVED FOR SAFE OPERATION

- In order to prevent any damage to the user and other personnel or to assets, note the following:
- The degree of harm and damage that will occur when misuse is made by ignoring the contents of the icons indicated is explained below.



Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury.

Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.

🛕 Warning

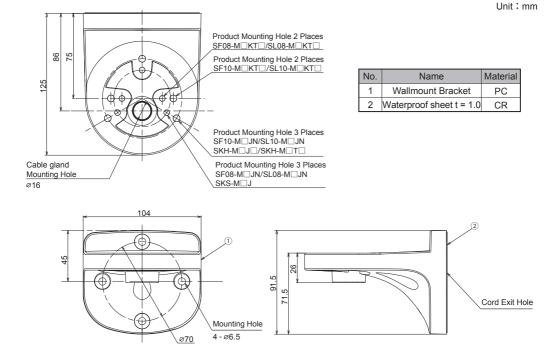
- To prevent from damage, observe the following: - Use this product in a properly maintained condition.
- Request the installation and wiring be performed by a professional contractor if construction work is involved.
- Failure to comply may result in fire, electric shock or falling from high places possible cause of failure may occur. • When this product is used for security purposes, it should be inspected daily.
- After installation, do not use this product to climb up onto the equipment with.
 Failure to comply will result in product damage and/or falling off the machinery.

▲ Caution

• Do not disassemble or remove during operation.

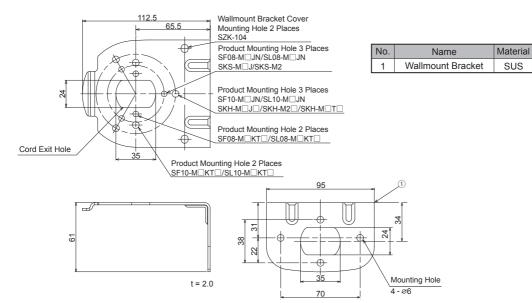
Notice

- Use a soft cloth, etc., dampened with water to wipe the product.
 Do not use cleaners containing thinner benzine gasoline, oil, Chemicals, etc., to wipe with.
 It may result in discoloration and deterioration.
- To ensure safety when this optional part is installed into equipment, observe the following:
- Do not, by any means, disassemble or modify this product.

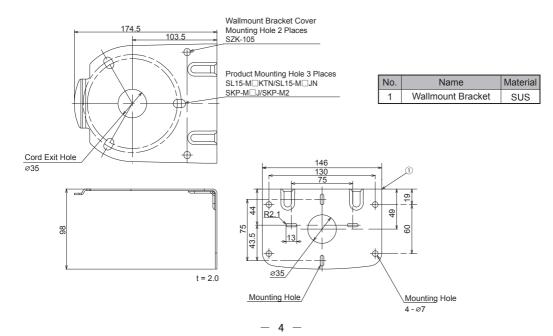


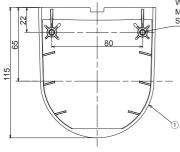
※ The Product Mounting Holes and Cable gland Mounting Holes are perforated. Check 「How to perforate in Product Mounting (11 page)」 for how to drill holes.

— 3 —



TYPE SZK-103

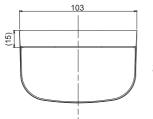




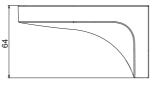
Wallmount Bracket Mounting Hole 2 Places SZK-102

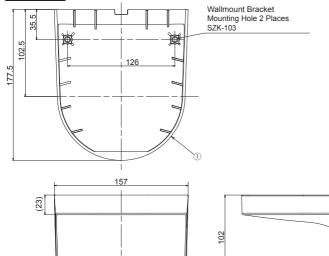
No.	Name	Material
1	Wallmount Bracket Cover	PC

Accessory	Material
Head Tapping Screw 4×12 2 pieces	SUS



TYPE SZK-105

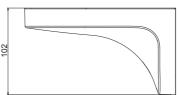




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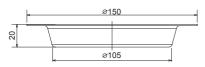
No.	Name	Material
1	Wallmount Bracket Cover	PC

Accessory	Material
Head Tapping Screw 5×16 2 pieces	SUS

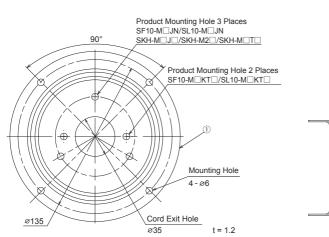


— 5 —





No.	Name	Material
1	Ceiling Mount Bracket	SUS

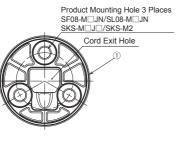






Inverted

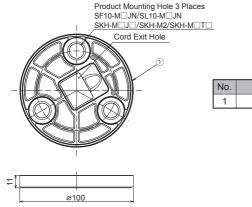




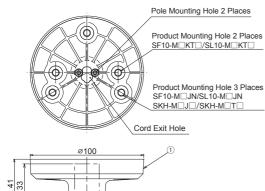
No.	Name	Material
1	Rubber Gasket	Silicone







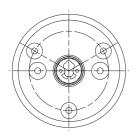
No.	Name	Material
1	Rubber Gasket	Silicone



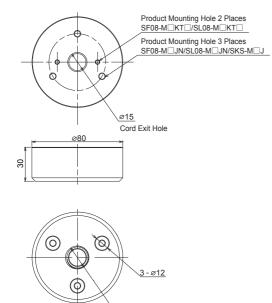
(ø31.5) Pole ø22

No.	Name	Material
1	Upper Bracket	PC

Accessory	Material
Pole waterproof sheet a piece	Silicone
Waterproof sheet a piece	PUR

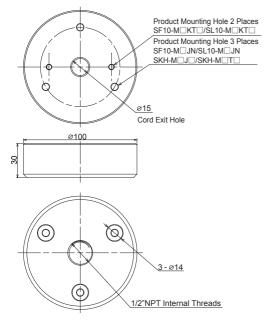


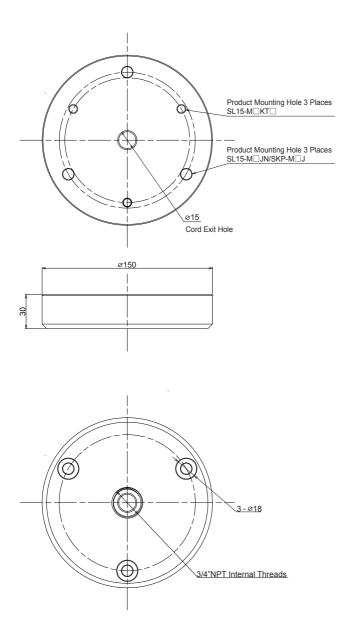
単位:mm



1/2"NPT Internal Threads

TYPE SZP-103





Installation

Notice

- The following requirements are necessary for proper installation:
- Install the signal tower where excessive vibration is not present.
- Install the signal tower on a sturdy surface. Install the signal tower on a level surface.
- When waterproof sheet must be used before installation.
- Provide a sealant coating around the wire exit hole, or use a Cable Gland.
- Be sure to read the applicable instruction manual for the compatible model in addition to this model.

DE SZK-101

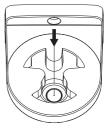
∧ Caution

- When using a cable gland, be sure to use the cabtyre specification Rotating Beacons and Multi-function Beacons, Flashing Beacons.
- Do not open unused mounting holes. If it is accidentally opened, waterproof it.
- Be sure to burr after drilling.
- Recommend a recommended cable gland that has a mounting screw size of M16 x 20 mm or less and that satisfies the applicable cable ø7 to 8 mm.

How to perforate in Product Mounting







Cable gland Mounting Hole

Product Mounting Hole 3 places

(SF10-J/SL10-J/SKH)

(SF10-KT/SL10-KT) □ In the case of Product Mounting Hole

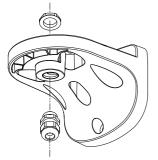
Place the top surface on a flat surface and drill holes from below surface.

Model	Drill	Punched part
SF08-KT/SL08-KT	ø5mm	2
SF10-KT/SL10-KT	ø6mm	2
SF08-J/SL08-J/SKS	ø5mm	3
SF10-J/SL10-J/SKH	ø6mm	3

□ In the case of Cable gland

Drill a ø16 hole from above.





Connect a commercially available cable gland from the bottom of the Wallmount Bracket. Install and fix with nuts from above.

Product Attachment

□ 3-point Hole Type Mounting

- Attach the Wallmount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)
- ② When using a Cable gland, check "How to perforate in Product Mounting (page 11)".
- When use a Rubber Gasket (SZW-102 / SZW-103), waterproofing is required. (Refer to "Product Attachment (page 17)" for the mounting method of the Rubber Gasket.)
- ④ Wire the product as shown on the right.
- $(\ensuremath{\mathfrak{S}})$ Insert the product bolt into the mounting hole of the Wallmount Bracket.





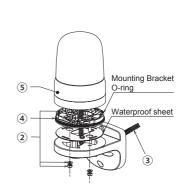
2-point Hole Type Mounting

- Attach the Wallmount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)
- ② Use the two screws / nuts in the mounting holes on the Wallmount Bracket to secure the Mounting Bracket and Waterproof sheet in the product accessory.

(Installation screws and nuts are not included with this product.)

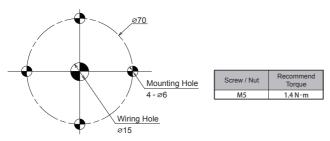
Model	Recommend Screw	Recommend Torque
SF08/SL08	M4×20mm	0.7 N ⋅ m
SF10/SL10	M5×20mm	1.4 N · m

- 3 Wire the product as shown on the right.
- ④ Check that the O-ring is not twisted.
- ⑤ Align the product with the positioning mark and turn it clockwise to lock it. (Read the applicable instruction manual for the locked state.)

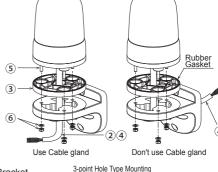


2-point Hole Type Mounting

Mounting Dimensional Drawing [Unit : mm]







▲ Caution

- When installing model SKH-M2T outdoors, Check the waterproofing chart in the instruction manual of the compatible model. Do waterproof with Rubber Gasket etc.(SZW-103).
- The Protection Rating is IP23 when Wallmount Bracket (SZK-102) and Rubber Gasket (SZW-102 / SZW-103) are used.
- If the rated voltage of the product to be installed exceeds 100V AC, use the Wallmount Bracket Cover (SZK-104).

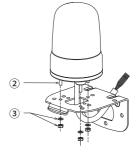
Product Attachment

- 3-point Hole Type Mounting
 - ① Attach the Wallmount Bracket to the wall, referring to
 - the dimensions in the Mounting Dimensional Drawing below.

(Screws are not included. Please prepare separately.)

- 2 Insert the product bolt into the mounting hole of the Wallmount Bracket.
- ③ Use the nuts & washer (accessory) to secure the mounting Product.

Model	Screw Nut	Recommend Torque
SF08/SL08/SKS	M4	0.7 N ⋅ m
SF10/SL10/SKH	M5	1.4 N · m



3-point Hole Type Mounting

2-point Hole Type Mounting

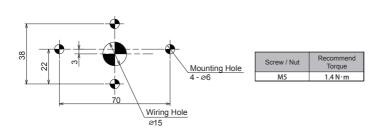
- Attach the Wallmount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)
- ② Use the two screws / nuts in the mounting holes on the Wallmount Bracket to secure the Mounting Bracket and Waterproof sheet in the product accessory.

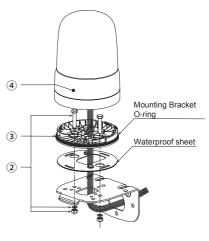
(Installation screws and nuts are not included with this product.)

Model	Recommend Screw	Recommend Torque
SF08/SL08	Max: M4×20mm	0.7 N · m
SF10/SL10	Max: M5×20mm	1.4 N · m

- Check that the O-ring is not twisted.
- Align the product with the positioning mark and turn it clockwise to lock it. (Read the applicable instruction manual for the locked state.)







2-point Hole Type Mounting

▲ Caution

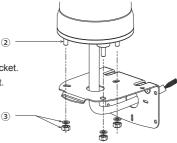
• If the rated voltage of the product to be installed exceeds 100V AC, use the Wallmount Bracket Cover (SZK-105).

Product Attachment

□ 3-point Hole Type Mounting

- Attach the Wallmount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)
- 2 Insert the product bolt into the mounting hole of the Wallmount Bracket.
- ③ Use the nuts & washer (accessory) to secure the mounting Product.

Model	Screw Nut	Recommend Torque
SL15/SKP	M8	6.0 N · m



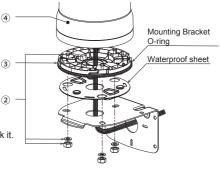
3-point Hole Type Mounting

□ 3-point Hole Type Mounting

- Attach the Wallmount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)
- ② Use the three screws / nuts in the mounting holes on the Wallmount Bracket to secure the Mounting Bracket and Waterproof sheet in the product accessory. (Installation screws and nuts are not included with this product.)

Model	Recommend Screw	Recommend Torque
SL15	Max: M5×25mm	6.0 N · m

- ③ Check that the O-ring is not twisted.
- ④ Align the product with the positioning mark and turn it clockwise to lock it. (Read the applicable instruction manual for the locked state.)



3-point Hole Type Mounting

Mounting Hole 4 - Ø7 Screw / Nut Recommend Torque M6 2.4 N·m Viring Hole Ø15

Mounting Dimensional Drawing [Unit : mm]

TYPE SZK-104/SZK-105

▲ Caution

• Attach the Wallmount Bracket cover after attaching the product to the Wallmount Bracket (SZK-102 / SZK-103). (Refer to "Product Attachment (page 13, 14)" for the mounting method of the Wallmount Bracket.)

Wallmount Bracket Attachment

- 1 Remove the accessories attached to the Wallmount Bracket Cover.
- Insert the Wallmounting Bracket Cover into the Wallmounting Bracket as shown in Figure 1.
- ③ Align the Mounting Holes on the Wallmounting Bracket and the Wallmounting Bracket Cover.
- ④ Secure the Wallmounting Bracket Cover with the screws provided with it.

Model	Screw Nut	Recommend Torque
SZK-102	4×12mm	0.7 N ⋅ m
SZK-103	5×16mm	1.4 N · m

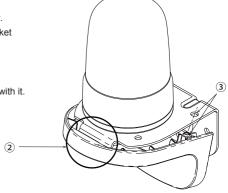


Figure 1

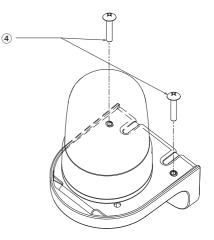


Figure 2

TYPE SZW-101

▲ Caution

• After installing the product, fix the Ceiling Mount Bracket to the ceiling.

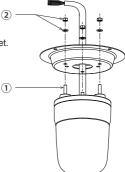
Product Attachment

□ 3-point Hole Type Mounting

- 1 Insert the product bolt into the mounting hole of the Ceiling Mount Bracket.
- ② Use the nuts & washer (accessory) to secure the mounting Product.

Model	Screw Nut	Recommend Torque
SF10/SL10/SKH	M5	1.4 N∙m

③ Attach the Ceiling Mount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)



3-point Hole Type Mounting

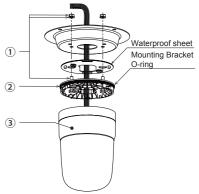
2-point Hole Type Mounting

 Use the two screws / nuts in the mounting holes on the Ceiling Mount Bracket to secure the Mounting Bracket and Waterproof sheet in the product accessory.

(Installation screws and nuts are not included with this product.)

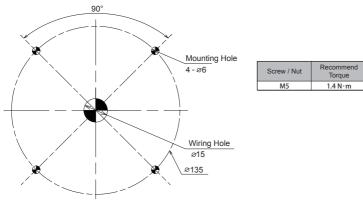
Model	Recommend Screw	Recommend Torque
SF10/SL10/SKH	Max: M5×20mm Min: M5×14mm	1.4 N · m

- Check that the O-ring is not twisted.
- Align the product with the positioning mark and turn it clockwise to lock it. (Read the applicable instruction manual for the locked state.)
- Attach the Ceiling Mount Bracket to the wall, referring to the dimensions in the Mounting Dimensional Drawing below. (Screws are not included. Please prepare separately.)



2-point Hole Type Mounting

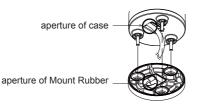
Mounting Dimensional Drawing [Unit : mm]



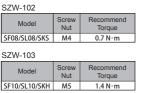
TYPE SZW-102/SZW-103

Product Attachment

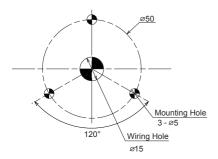
1 Align the aperture of case with the it of Mount Rubber as shown below.



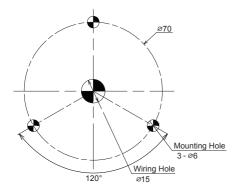
- 2 Insert the product bolt into the mounting hole of the Rubber Gasket.
- 3 Use the nuts & washer (accessory) to secure the mounting Product.



Mounting Dimensional Drawing [Unit : mm]



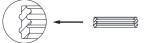






Pole Attachment

 Install the Pole Waterproof Ring in the Upper Bracket. Check that the 2 ribs are on the outside. The Pole Waterproof Ring is attached to the Upper Bracket.



- Insert Pole into the Upper Bracket. See the figure on the right for details on the direction of insertion (Installation Pole is not included with this product.)
- ③ Tighten the Binding Head Tapping Screws (2 pcs.) from the topside of the Upper Bracket.

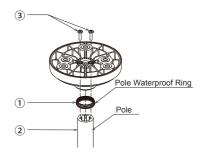
Screw	Recommend
Nut	Torque
3×12mm	0.8 N·m

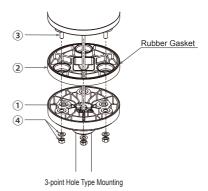
Product Attachment

- 3-point Hole Type Mounting
- 1 Wire the product as shown on the right.
- ② When use a Rubber Gasket (SZW-103), waterproofing is required. (Refer to "Product Attachment (page 17)" for the mounting method of the Rubber Gasket.)
- 3 Insert the product bolt into the mounting hole of the Upper Bracket.
- ④ Use the nuts & washer (accessory) to secure the mounting Product.

Model	Screw Nut	Recommend Torque
SF10/SL10/SKH	M5	1.4 N · m

% The Waterproof sheet is not required.(accessory of Upper Bracket)



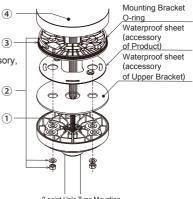


2-point Hole Type Mounting

- 1 Wire the product as shown on the right.
- (2) Use the two screws / nuts in the mounting holes on the Upper Bracket to secure the Mounting Bracket and Waterproof sheet in the product accessory, Waterproof sheet in the Upper Bracket accessory.
 - (Installation screws and nuts are not included with this product.)



- ③ Check that the O-ring is not twisted.
- ④ Align the product with the positioning mark and turn it clockwise to lock it. (Read the applicable instruction manual for the locked state.)

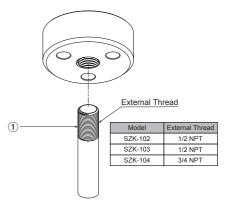


2-point Hole Type Mounting

TYPE SZP-102/SZP-103/SZP-104

Pole Installation

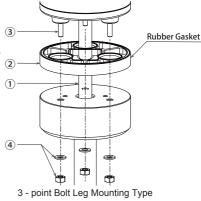
 Install the Pole in the NPT Bracket. Tighten tightly !



Product Attachment

- □3 point Bolt Leg Mounting Type
- 1 Take out the wiring.
- If you need waterproofing, use Rubber Gasket (SZW-102, SZW-103). (Check page 6 for Rubber Gasket Installation.)
- ③ Insert the main unit bolts of the product in the mounting holes of the NPT Bracket.
- ④ Use the nuts (accessory) to secure the mounting surface of the NPT Bracket.

Model	Screw/ Nut	Recommended Torque
SF08/SL08/SKS	M4	0.7 N•m
SF10/SL10/SKH	M5	1.4 N•m
SL15/SKP	M8	6.0 N•m



□2 - point Hole Leg Mounting Type 3 - point Hole Leg Mounting Type

1 Use the screws to secure the mounting bracket (accessory) to

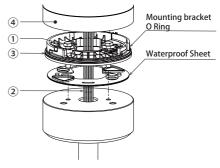
the mounting surface of the NPT Bracket.

(Installation screws are not included with this product.

Binding head screws or pan head screws are recommended.)

Model	Screw	Recommended Torque
SF08/SL08	M4	0.7 N•m
SF10/SL10	M5	1.4 N•m
SL15	M8	6.0 N•m

- Take out the wiring.
- ③ Check that the O-ring is not twisted.
- Align the main unit of the product to the positioning marks, insert the LED Unit, and then turn the LED Unit clockwise to lock it in place.
 (Check the INSTRUCTION MANUAL for the lock state)



2 - point Hole Leg Mounting Type

General Specifications (SZK-101)

Product Name		Wallmount Bracket		
Model		SZK-101		
		SF08-M□KT□	SF08-M□JN	
		SL08-M□KT□	SL08-M□JN	
			SKS-M□J	
Applicable Model	ls	SF10-M□KT□	SF10-M□JN	
		SL10-M□KT□	SL10-M□JN	
			SKH-M□J□	
			SKH-M□T□	
Mounting Location	on	According to the product to be installed.		
Mounting Direction	on	Upright		
Mass (Typ.)		0.15kg		
		IP65(Product Attachment)	SF08-M□KT□ / SL08-M□KT□ SF10-M□KT□ / SF10-M□KT□	
		IP65 (Product+SZW-102[Rubber Gasket]Attachment)	SF08-M□JN / SL08-M□JN / SKS-M□J	
Protection Rating	g	IP65	SF10-M JN / SL10-M JN	
		(Product+SZW-103[Rubber Gasket]Attachment)	SKH-M□J□ / SKH-M□T□	
		IP23(Product Attachment)	SF08-M JN / SL08-M JN / SKS-M J SF10-M JN / SL10-M JN SKH-M J / SKH-M T	
Environ Cond		Upright		
Remarks		There are no contents of controlled substances exceeding the threshold for the RoHS Directive.		

General Specifications(SZK-102/103)

Product Name	Wallmount Bracket		
Model	SZK-102	SZK-103	
	SF08-M□KT□	SL15-M□KTN	
	SL08-M□KT□	SL15-M□JN	
	SF10-M□KT□	SKP-M□J	
	SL10-M□KT□	SKP-M2	
	SF08-M□JN		
	SL08-M□JN		
Applicable Models	SKS-M□J		
	SKS-M2		
	SF10-M□JN		
	SL10-M□JN		
	SKH-M□J□		
	SKH-M2		
	SKH-M□T□		
Mounting Location	According to the pr	oduct to be installed.	
Mounting Direction	Up	Upright	
Mass (Typ.)	0.19kg	0.51kg	
Protection Rating	IP23(Product Attachment)		
Environmental Condition	Upright		
Remarks	There are no contents of controlled substances exceeding the threshold for the RoHS Directive.		

General Specifications(SZK-104/105)

Product Name	Wallmount Bracket Cover		
Model	SZK-104	SZK-105	
Applicable Models	SZK-102	SZK-103	
Mounting Location	According to the product to be installed.		
Mounting Direction	Upright		
Mass (Typ.)	0.06kg 0.17kg		
Protection Rating	IP23 (Product+SZK-102 [Wallmount Bracket]Attachment)	IP23 (Product+SZK-103 [Wallmount Bracket]Attachment)	
Environmental Condition	Upright		
Remarks	There are no contents of controlled substances exceeding the threshold for the RoHS Directive.		

General Specifications(SZW-101)

Product N	lame	Ceiling Mount Bracket	
Model	el .	SZW-101	
		SF10-M□KT□	SF10-M□JN
		SL10-M□KT□	SL10-M□JN
Applicable N	Vodels		SKH-M□J□
			SKH-M2
			SKH-M□T□
Mounting Lo	ocation	According to the product to be installed.	
Mounting Di	irection	Upright / Inverted	
Mass (T	yp.)	0.20kg	
Protection F	Rating	IP20(Product Attachment)	
	vironmental Condition	Upright / Inverted	
Remar	rks	here are no contents of controlled substances exceeding the threshold for the RoHS Directive.	

General Specifications (SZW-102/SZW-103)

Product Name	Rubber Gasket		
Model	SZW-102	SZW-103	
	SF08-M□JN	SF10-M□JN	
	SL08-M□JN	SL10-M□JN	
Applicable Models	SKS-M□J□	SKH-M□J□	
	SKS-M2	SKH-M2	
		SKH-M□T□	
Mounting Location	According to the pr	According to the product to be installed.	
Mounting Direction	Up	Upright	
Mass (Typ.)	0.03kg	0.05kg	
Protection Rating	IP65(Produc	IP65(Product Attachment)	
Environme Conditio		Upright	
Remarks	There are no contents of controlled substances	There are no contents of controlled substances exceeding the threshold for the RoHS Directive.	

General Specifications (SZP-101)

Product Name	Upper Bracket		
Model	SZP-101		
	SF10-M□KT□	SF10-M□JN	
Applicable Models	SL10-M□KT□	SL10-M□JN	
Applicable Models		SKH-M□J□	
		SKH-M□T□	
	POLE22-0100AN / POLE22-0100ANK	POLE22-0100AT	
	POLE22-0300AN / POLE22-0300ANK	POLE22-0300AT	
Corresponding Pole(※)	POLE22-0500AN	POLE22-0500AT	
	POLE22-0800AN / POLE22-0800ANK	POLE22-0800AT	
	POLE22-1000AN	POLE22-1000AT	
Mounting Location	According to the pro	oduct to be installed.	
Mounting Direction	Upright		
Mass (Typ.)	0.08kg		
	IP65(Product Attachment)	SF10-M□KT□ / SL10-M□KT□	
Protection Rating	IP65	SF10-M□JN / SL10-M□JN	
Protection Rating	(Product+SZW-103[Rubber Gasket]Attachment)	SKH-M□J□ / SKH-M□T□	
	IP20(Product Attachment)	SF10-M□JN / SL10-M□JN SKH-M□J□ / SKH-M□T□	
Environmenta Condition	Upright		
Remarks	There are no contents of controlled substances exceeding the threshold for the RoHS Directive.		

% When installing applicable options (sold separately), check our website (https://www.patlite.co.jp)

General Specifications (SZP-102/103/104)

Product Name	NPT Bracket		
Model	SZP-102 SZP-103 SZP-10		SZP-104
	SF08-M□KT□	SF10-M□KT□	SL15-M□KTN
[SL08-M□KT□	SL10-M□KT□	SL15-M□J□
Applicable Models	SF08-M□JN	SF10-M□JN	SKP-M□J
	SL08-M□JN	SL10-M□JN	
	SKS-M□J	SKH-M□J□	
		SKH-M□T□	
Mounting Location	According to the product to be installed.		
Mounting Direction	Upright		
Mass (Typ.)	0.36kg	0.57kg	1.32kg
Protection Rating	IP20 (Product Attachment)		
Environmental Condition	Upright		
Remarks	There are no contents of controlled substances exceeding the threshold for the RoHS Directive.		