



LED INDICATOR

ROUND WATERPROOF TYPE LED INDICATOR



FEATURES

■Water-proof structure

Each type offers superior water-proof performance (IP65) to ensure the reliable use.

■Broad range of models

The available types range from 10 to 30 mm in diameter, which matches each application.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification \ Type	WMPH	WSPA	HXL-WPR	JXL-WPR	PXL-WPR
Rated insulation voltage (Ui)	250V				
Mounting hole size	$\phi 10.1^{+0.2}_{-0}$	$\phi 16.2^{+0.2}_{-0}$	$\phi 22.3^{+0.4}_{-0}$	$\phi 25.5^{+0.5}_{-0}$	$\phi 30.5^{+0.5}_{-0}$
Screw size	Faston tab #110	M3×6	M3.5×8	M3.5×8	M3.5×8
Rated current	8mA	6mA	11mA	11mA	11mA
Rated impulse withstand voltage	----- ± 4.5 kV----- ± 7 kV----- 3 times for each pole (1.2 / 50μs) (Whole live part to mounting panel)				
Recognition distance	10m (1,000 LX in illuminance on applicable panel)				
Power-Frequency withstand voltage	-----2,000V AC-----2,500V AC----- 1 min.				
Operating temperature	-20 to 55℃	-20 to 60℃	-20 to 40℃		
Storing temperature	-25 to 75℃	-30 to 75℃	-25 to 65℃		
Altitude	2,000 m max.				
Degree of protection	IP65				
Weight	Approx. 15g	Approx. 15g	Approx. 20g	Approx. 25g	Approx. 40g

PILOT LAMP & INDICATOR

HOW TO ORDER

[WMPH type]

WMPH - 110 - R B (S) - ART

①	②	③	④	⑤	⑥
No.	Item	Code	Detail	Note	
①	Basic type	WMPH	—	φ 10 series waterproof high luminance type	
②	Power supply voltage	005	5V AC / DC	LED	TMP-LEDH-□*
		012	12V AC / DC		
		024	24V AC / DC		
		048	48V AC / DC		
		063	63.5V AC / DC		
		110	100 / 110V AC / DC		
③	Lens color	R	Red	LED color	R
		G*	Green		G
		O	Orange		O
		W*2	Milky white		Y
		BL*1	Blue		BL
④	Frame color	B	Black	N1.5	
⑤	Lens form	(S)	Round	—	
⑥	Special specification	(No code)	Standard	IP65	
		ART	Airtight	30kPa-2hours	

*1 For G (green) and B(blue),5V specifications cannot be manufactured.

*2 W (Milky white) is like the amber color of an incandescent bulb.

[WSPA type]

WSPA - DC012 - R B (S) - ART

①	②	③	④	⑤	⑥
No.	Item	Code	Detail	Note	
①	Basic type	WSPA	—	—	
②	Rated voltage	DC006	6V DC	ART only Lens colors are R,O and C only.	
		DC012	12V DC	—	
		DC024	24V DC	—	
		DC110	100 / 110V DC	—	
		DC125	125V DC	—	
		DC130	130V DC	ART only	
		DC150	150V DC	ART only	
		AC024	24V AC	—	
		AC048	48V AC	—	
		AC063	63.5V AC	—	
		AC110	100 / 110V AC	—	
		AC220	200 / 220V AC	—	
③	Lens color	R	Red	LED color	R
		G	Green		G
		Y	Yellow		Y
		O	Orange		O
		W*2	Milky white		Y
		BL	Blue		BL
		C	Clear		O
④	Frame color	B	Black (N1.5)	—	
⑤	Lens form	(S)	Round	—	
⑥	Special specification	(No code)	Standard	—	
		ART	Airtight	—	

*2 W (Milky white) is like the amber color of an incandescent bulb.

[HXL · JXL type]

HXL - 110 - R B (S) - WPR

①	②	③	④	⑤	⑥
No.	Item	Code	Detail	Note	
①	Basic type	HXL	—	φ 22	
		JXL	—	φ 25	
②	Power supply voltage	024	24V AC / DC	—	
		048	48V AC / DC	—	
		063	63.5V AC / DC	(HXL only)	
		110	100 / 110V AC / DC	—	
		125	125V AC / DC	—	
		220	200 / 220V AC / DC	—	
③	Lens color	R	Red	Standard color	—
		G	Green		—
		O	Orange		—
		W*2	Milky white		—
		Y	Yellow	Special color	—
		B	Blue		—
		P	Pure white		—
					(HXL only)
④	Frame color	B	Black (N1.5)	—	
⑤	Lens form	(S)	Round	—	
⑥	Special specification	(No code)	Standard	—	
		WPR	Waterproof	—	

*2 W (Milky white) is like the amber color of an incandescent bulb.

[PXL type]

PXL - 110 - R B (S) - WPR

①	②	③	④	⑤	⑥
No.	Item	Code	Detail	Note	
①	Basic type	PXL	—	φ 30	
②	Power supply voltage	024	24V AC / DC	—	
		048	48V AC / DC	—	
		063	63.5V AC / DC	—	
		110	100 / 110V AC / DC	—	
		125	125V AC / DC	—	
		220	200 / 220V AC / DC	—	
③	Lens color	R	Red	Standard color	—
		G	Green		—
		O	Orange		—
		W*2	Milky white		—
		Y	Yellow	Special color	—
		B	Blue		—
		P	Pure white		—
					—
④	Frame color	B	Black (N1.5)	—	
		CR	Chrome	—	
⑤	Lens form	(S)	Round	—	
⑥	Special specification	(No code)	Standard	—	
		WPR	Waterproof	—	

*2 W (Milky white) is like the amber color of an incandescent bulb.

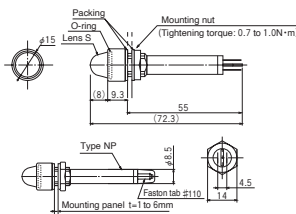


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STANDARD PRODUCTS

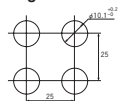
WMPH (φ10)



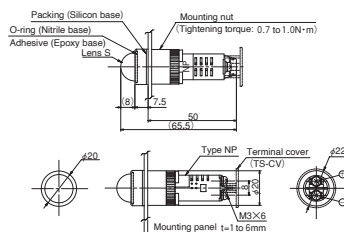
●Applicable accessories

LED lamp	TMP-LEDH-□
Lens	WMP Lens S-□
Tightening tool	TMP-Q (Sold separately)

●Mounting hole size



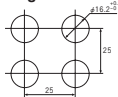
WSPA (φ16)



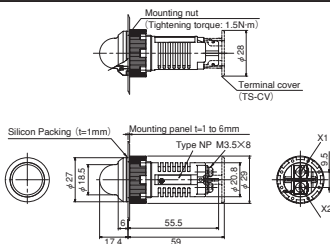
●Applicable accessories

LED lamp	TS-LEDA-□
Lens	WS- Lens S-□
Tightening tool	Tightening jig F (Sold separately)
Removing tool	XL-NQ (Sold separately)
Protective cover	TS-CV

●Mounting hole size



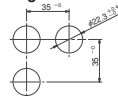
HXL-WPR (φ22)



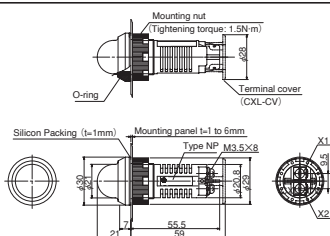
●Applicable accessories

LED lamp	HXL-LED□-□
Lens	HXL-LENS-□(S)-WPR
Tightening tool	CXL30-Q (Sold separately)
Removing tool	XL-NQ (Sold separately)
Terminal cover	CXL-CV

●Mounting hole size



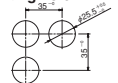
JXL-WPR (φ25)



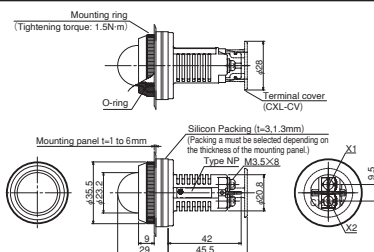
●Applicable accessories

LED lamp	PXL-LED□-□
Lens	JXL-LENS-□(S)-WPR
Tightening tool	CXL30-Q (Sold separately)
Removing tool	XL-NQ (Sold separately)
Terminal cover	CXL-CV

●Mounting hole size



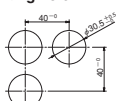
PXL-WPR (φ30)



●Applicable accessories

LED lamp	PXL-LED□-□
Lens	PXL-LENS-□(S)-WPR
Removing tool	XL-NQ (Sold separately)
Terminal cover	CXL-CV

●Mounting hole size



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ACCESSORIES

Main frame



● HXL-000

Basic type Frame only

Code	Mounting hole (φ)
HXL	22
JXL	25
PXL	30

LED unit

(Order unit: 10)

● For TMP/WMP

	Lens color					
	Red	Orange	Green	Yellow	Milky white	Blue
TMPN	Red TMP-LEDN-R	Orange TMP-LEDN-O	Green TMP-LEDN-G	—	Yellow TMP-LEDN-Y	—
TMPH	Red TMP-LEDH-R	Orange TMP-LEDN-O	Green TMP-LEDN-G	—	Yellow TMP-LEDN-Y	Blue TMP-LEDH-BL

* Since voltage is controlled with the main unit, a constant voltage is applied to each LED.

● For TSPA/WSPA

	Lens color						
	Red	Orange	Green	Yellow	Milky white	Blue	Clear
TSPA	Red TS-LEDA-R	Orange TS-LEDA-O	Green TS-LEDA-G	Yellow TS-LEDA-Y	Yellow TS-LEDA-Y	Blue TS-LEDA-BL	Orange TS-LEDA-O

* Since voltage is controlled with the main unit, a constant voltage is applied to each LED.

● For TSPA(GPT)

	Lens color
	Clear
TSPA-GPT	Clear orange TS-LEDN-CO

● For HXL



● For JXL • PXL



	Voltage Color	24V AC / DC	48V AC / DC	100/110V AC / DC	125V AC / DC	200/220V AC / DC
HXL	Red	HXL-LED024-R	HXL-LED048-R	HXL-LED110-R	HXL-LED125-R	HXL-LED220-R
	Orange	HXL-LED024-O	HXL-LED048-O	HXL-LED110-O	HXL-LED125-O	HXL-LED220-O
	Milky white	HXL-LED024-W	HXL-LED048-W	HXL-LED110-W	HXL-LED125-W	HXL-LED220-W
	Green	HXL-LED024-G	HXL-LED048-G	HXL-LED110-G	HXL-LED125-G	HXL-LED220-G
	Yellow	HXL-LED024-Y	HXL-LED048-Y	HXL-LED110-Y	HXL-LED125-Y	HXL-LED220-Y
	Blue	HXL-LED024-B	HXL-LED048-B	HXL-LED110-B	HXL-LED125-B	HXL-LED220-B
JXL PXL	Pure white	HXL-LED024-P	HXL-LED048-P	HXL-LED110-P	HXL-LED125-P	HXL-LED220-P
	Red	PXL-LED024-R	PXL-LED048-R	PXL-LED110-R	PXL-LED125-R	PXL-LED220-R
	Orange	PXL-LED024-O	PXL-LED048-O	PXL-LED110-O	PXL-LED125-O	PXL-LED220-O
	Milky white	PXL-LED024-W	PXL-LED048-W	PXL-LED110-W	PXL-LED125-W	PXL-LED220-W
	Green	PXL-LED024-G	PXL-LED048-G	PXL-LED110-G	PXL-LED125-G	PXL-LED220-G
	Yellow	PXL-LED024-Y	PXL-LED048-Y	PXL-LED110-Y	PXL-LED125-Y	PXL-LED220-Y
	Blue	PXL-LED024-B	PXL-LED048-B	PXL-LED110-B	PXL-LED125-B	PXL-LED220-B
	Pure white	PXL-LED024-P	PXL-LED048-P	PXL-LED110-P	PXL-LED125-P	PXL-LED220-P



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ACCESSORIES

Classification	Type	Shape	Applicable type
Lens	TMP LENS E [color]	Round flat type 	TMPN,TMPH
	WMP LENS S [color]	Round type 	WMPH,TMPN,TMPH
	TS LENS E [color]	Round flat type 	TSPA
	WS LENS S [color]	Round type 	WSPA,TSPA
	HXL-LENS [color] (S) JXL-LENS [color] (S)	Round type 	HXL JXL
	PXL-LENS [color] (S)	Round type 	PXL

Terminal protection cover

(Order unit: 10)

●TS-CV (Standard equipment)



Applicable type
TSPA, WSPA

●CXL-CV (Standard equipment)



Applicable type
HXL, JXL, PXL, QXL, KXL,
CXL30, CXL40

Removing tool

●XL-NQ (Order unit: 10)



- * Sucker is used for lens removal.
- * Hook is used for LED unit removal.
(TSPA, WSPA, HXL, JXL, PXL, CXL30 / 40)

Classification	Type	Shape	Applicable type
Tightening tool	Tightening jig F		TSPA,WSPA
	TMP-Q		TMPN,TMPH,WMPH
	CXL30-Q		HXL,JXL

Separate transformer

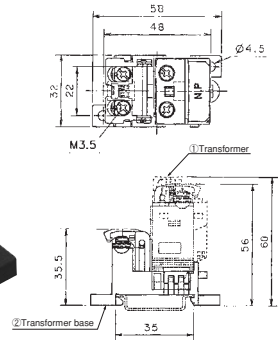
Separate transformer



① Transformer
(Primary)



② Transformer base
(Secondary)



Please order ① Transformer and ② Transformer base separately.

① Transformer

Type	Rated primary voltage	Rated secondary voltage
AR9T559-H	100 / 110V	24V
AR9T559-M	200 / 220V	
AR9T559-T	400 / 440V	

* AC power use only.

② Transformer base

Type
AR9T003