



SQUARE TYPE LED INDICATOR



FEATURES

■ **Available in various models for different uses; providing bright, uniform surface illumination**

A variety of models are available including the square chevron type, flat square type, and surface-written type. The brightness equivalent to an incandescent lamp has been achieved through our original technological efforts.

■ **Screw type terminals**

In order to ensure the connections of electric wires of 0.2 to 2.5 mm² used for the control circuit, the terminals of all models are screw type (M3.5).

■ **LED unit can be replaced from panel surface.**

All model LED can be replaced from their panel surface, which facilitates specification changes and maintenance.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification \ Type	QXL	KXL	CXL30	CXL40
Rated insulation voltage (Ui)	250V			
Mounting hole size	$\phi 25.5^{+0.5}_{-0.5}$	$\phi 25.5^{+0.5}_{-0.5}$	$\phi 25.5^{+0.5}_{-0.5}$	$\phi 30.5^{+0.5}_{-0.5}$
Screw size	M3.5x8			
Rated current	11mA		11mA, 22mA (24V only)	
Lightning impulse	±7kV / 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	2,500V AC / 1 min.			
Operating temperature	-20 to 40℃			
Storing temperature	-25 to 65℃			
Altitude	2,000 m max.			
Weight	25g	25g	30g	40g



SQUARE TYPE LED INDICATOR

HOW TO ORDER

[QXL type]

QXL-110-RB (F)

Basic type

Code	Mounting hole (φ)
QXL	25

Supply voltage

Code	Voltage
012	12V AC / DC
024	24V AC / DC
048	48V AC / DC
110	100 / 110V AC / DC
125	125V AC / DC
220	200 / 220V AC / DC

Frame color

Code	Color
B	Black (N1.5)

Lens type

Code	Type
F	Flat type

Display color

Code	Color	Code	Color
R	Red	G	Green
O	Orange	Y	Yellow ⁻²
W	Milky white	B	Blue ⁻²

⁻² Yellow and blue are special colors.

[KXL type]

KXL-110-RB (K)

Basic type

Code	Mounting hole (φ)
KXL	25

Supply voltage

Code	Voltage
024	24V AC / DC
048	48V AC / DC
110	100 / 110V AC / DC
125	125V AC / DC
220	220 / 220V AC / DC

Frame color

Code	Color
B	Black (N1.5)

Lens type

Code	Type
K	Chevron type

Display color

Code	Color	Code	Color
R	Red	G	Green
O	Orange	Y	Yellow ⁻²
W	Milky white	B	Blue ⁻²

⁻² Yellow and blue are special colors.

[CXL type]

CXL30-024-RB (F)

Basic type

Code	Size (mm)
CXL30	30 × 30
CXL40	40 × 40

Supply voltage

Code	Voltage
024	24V AC / DC
048	48V AC / DC
110	100 / 110V AC / DC
125	125V AC / DC
220	200 / 220V AC / DC

Frame color

Code	Color
B	N1.5

Lens type

Code	Type
F	Flat type

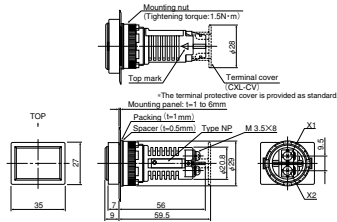
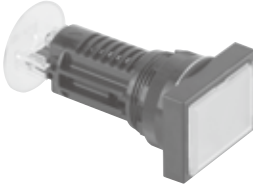
Display color

Code	Color	Code	Color
R	Red	W	Milky white
G	Green	B	Blue
Y	Yellow	P	Pure white
O	Orange		

PILOT LAMP & INDICATOR

STANDARD PRODUCTS

QXL (φ25)



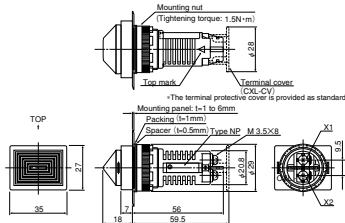
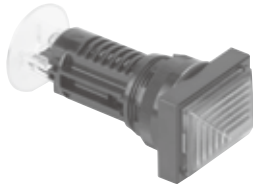
●Applicable accessories

LED	PXL-LED-□-□
Lens	QXL-LENSSET-□(F)
Tightening tool	CXL30-Q
Removing tool	XL-NQ
Protective cover	CXL-CV

●Mounting hole



KXL (φ25)



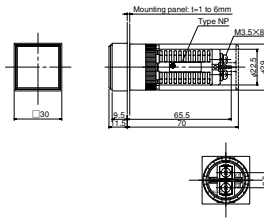
●Applicable accessories

LED	PXL-LED-□-□
Lens	KXL-LENS-□(K)
Tightening tool	CXL30-Q
Removing tool	XL-NQ
Protective cover	CXL-CV

●Mounting hole



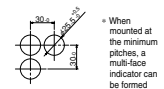
CXL30 (φ25)



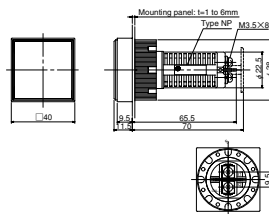
●Applicable accessories

LED	CXL30-LED-□-□
Lens	CXL30-LENSSET-□
Tightening tool	CXL30-Q
Removing tool	XL-NQ
Protective cover	CXL-CV
Jumper	DL-SB1

●Mounting hole



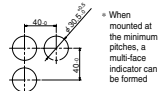
CXL40 (φ30)



●Applicable accessories

LED	CXL40-LED-□-□
Lens	CXL40-LENSSET-□
Tightening tool	CXL40-Q
Removing tool	XL-NQ
Protective cover	CXL-CV
Jumper	DL-SB2

●Mounting hole





SQUARE TYPE LED INDICATOR

ACCESSORIES

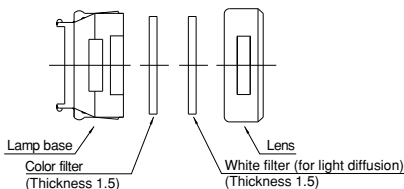
Applicable accessories list

Classification	Type	Shape	Applicable type
Terminal protection cover	TS-CV		TSPA,WSPA (Standard equipment)
	CXL-CV		HXL,JXL,PXL,QXL,KXL,CXL30,CXL40 (Standard equipment)
Jumper	DL-SB1		CXL30
	XL-SB1 C		CXL30
	DL-SB2		CXL40
	XL-SB2 C		CXL40
Removing tool	XL-NQ		CXL-30,CXL-40,HXL,JXL,PXL,QXL,KXL
Tightening tool	Tightening jig B (CXL40-Q)		CXL40
	Tightening jig F		TSPA,WSPA
	TMP-Q		TMPN,TMPH,WMPH
	CXL30-Q		CXL30,HXL,JXL,QXL,KXL

PILOT LAMP & INDICATOR

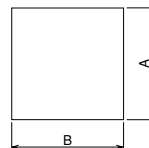
Classification	Type	Shape	Applicable type
Lens	TMP Lens E Color	Round flat type 	TMPN,TMPH
	WMP Lens S Color	Round type 	WMPH,TMPN,TMPH
	TS Lens E Color	Round flat type 	TSPA
	WS Lens S Color	Round type 	WSPA,TSPA
	M22 Lens Color	Flat type 	M22N
	M25 Lens Color	Flat type 	M25N
	HXL-LENS Color (S) JXL-LENS Color (S)	Round type 	HXL JXL
	PXL-LENS Color (S)	Round type 	PXL
	QXL LENSSET Color (F)	Square type 	QXL
	KXL-LENS Color (K)	Chevron type 	KXL
	CXL-□ LENSSET Color	Square type 	CXL-30,CXL-40

■ CXL type LENS composition



* To engrave letters, use the diffusion filter (milky white) as a nameplate.

● Color filter •
Diffusion filter size



Dimension (mm)	A	B	Thickness
Code			
CXL30	24.8	24.8	1.5
CXL40	34.8	34.8	1.5



SQUARE TYPE LED INDICATOR

ACCESSORIES

Main frame



●**QXL-000**
Basic type Frame only

●**KXL-000**
Basic type Frame only



●**CXL30-000**
Basic type Frame only

Code	Size (mm)
CXL30	30×30
CXL40	40×40

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

PILOT LAMP & INDICATOR

Jumper

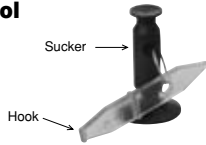
(Order unit: 100)

DL-SB1	XL-SB1C	DL-SB2	XL-SB2C
Applicable to XL-3000 / 3010 / 3600 and CXL30		Applicable to XL-4000 / 4001 / 4010 / 4800 and CXL40	

Removing tool

●XL-NQ

(Order unit: 10)



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

LED unit

(Order unit: 10)

●For TMP

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

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

●For TSP

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

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

●For M22N・M25N

	Lens color			
	Red	Orange	Green	Yellow
M22N・M25N	Red TS-LEDA-R	Orange TS-LEDA-O	Green TS-LEDA-G	Yellow TS-LEDA-Y

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



SQUARE TYPE LED INDICATOR

ACCESSORIES

LED unit

(Order unit: 10)

●for HXL



●for JXL · PXL · QXL · KXL



	Voltage Color	24V AC / DC	48V AC / DC	100 / 110V AC / DC	125V AC / DC	220 / 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 QXL KXL	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

●for CXL



	Voltage Color	24V AC / DC	48V AC / DC	100 / 110V AC / DC	125V AC / DC	220 / 220V AC / DC
CXL 30	Red	CXL30-LED024-R	CXL30-LED048-R	CXL30-LED110-R	CXL30-LED125-R	CXL30-LED220-R
	Orange	CXL30-LED024-O	CXL30-LED048-O	CXL30-LED110-O	CXL30-LED125-O	CXL30-LED220-O
	Milky white	CXL30-LED024-W	CXL30-LED048-W	CXL30-LED110-W	CXL30-LED125-W	CXL30-LED220-W
	Green	CXL30-LED024-G	CXL30-LED048-G	CXL30-LED110-G	CXL30-LED125-G	CXL30-LED220-G
	Yellow	CXL30-LED024-Y	CXL30-LED048-Y	CXL30-LED110-Y	CXL30-LED125-Y	CXL30-LED220-Y
	Blue	CXL30-LED024-B	CXL30-LED048-B	CXL30-LED110-B	CXL30-LED125-B	CXL30-LED220-B
CXL 40	Red	CXL40-LED024-R	CXL40-LED048-R	CXL40-LED110-R	CXL40-LED125-R	CXL40-LED220-R
	Orange	CXL40-LED024-O	CXL40-LED048-O	CXL40-LED110-O	CXL40-LED125-O	CXL40-LED220-O
	Milky white	CXL40-LED024-W	CXL40-LED048-W	CXL40-LED110-W	CXL40-LED125-W	CXL40-LED220-W
	Green	CXL40-LED024-G	CXL40-LED048-G	CXL40-LED110-G	CXL40-LED125-G	CXL40-LED220-G
	Yellow	CXL40-LED024-Y	CXL40-LED048-Y	CXL40-LED110-Y	CXL40-LED125-Y	CXL40-LED220-Y
	Blue	CXL40-LED024-B	CXL40-LED048-B	CXL40-LED110-B	CXL40-LED125-B	CXL40-LED220-B

Separate transformer

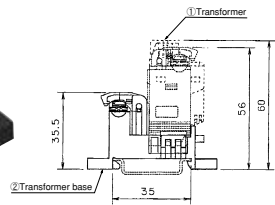
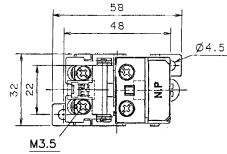
Separate transformer



① Transformer
(Primary)



② Transformer base
(Secondary)



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