Transition to equipment signaling excellence, elevate your operations

Harmony™ XVB to XVB7 Modular Tower Lights
substitution guide

Life Is On | Schneider Electric

Better and brighter:
Light up your journey with
Harmony Modular Tower Lights

Harmony Modular Tower Lights, **launching in 2025**, feature a sleek, new design incorporating universal LEDs to maximize brightness while minimizing energy consumption.

With easy installation and a modular concept, Harmony Modular Tower Lights simplify your selection journey and enable operational efficiency.

Better and brighter

- Elevated modern design
- 4x improvement in brightness

Flexible

- Modular concept provides selection flexibility
- IO-Link and USB connections enable more operation capability

> **Precision, sustainability, and safety** are important for maintaining peak productivity levels, particularly in environments where high performance and safety are critical.
>
> Journal of Machine Engineering

Efficient

- More rationalized construction, reduce 3x SKUs with the same functional coverage
- Push-in terminal reduces wiring time by up to 75%
- M12 connection reduces wiring time by up to 95%

Sustainability focused

- Power optimization via energy-efficient LED
- Sustainable lifecycle from material to manufacturing

Safety you can see

Bright light = clear signals

Scope of substitution: from XVB to XVB7

The next-generation Harmony Modular Tower Lights (XVB7) will be available in mid-2025. Customers can seamlessly transition to the XVB7 models, ensuring their operations benefit from the latest equipment signaling innovations.

While pre-set guidelines exist for last-time buys, limited flexible and tailored plans are available. **Note that XVB and XVB7 are not interoperable.**

As the existing XVB range phases out, the XVB7 range offers a future-proof solution while maintaining compatibility with current infrastructure. Compatibility features include:

Retained wiring architecture: No need to rewire systems, reducing installation time and complexity

Consistent mounting dimensions: New models fit existing setups, avoiding installation modifications

Modularity: Allows easy customization and smooth transition for various operational needs. Retained XVB and XVU modular construction with 5-layer maximum, including buzzer (can now only be placed at the top layer)

Similar voltage offers: Retained 24VDC/AC, removed 48VDC due to phase out of incandescent technology, combined 110VAC – 240VAC into one standard AC version

Substitution overview

	XVB	New XVB7	XVU	New XV6	XVM	New XV4
Light modules						
Steady	✅	✅	✅	✅	✅	✅
Blinking	✅	✅	✅	✅	✅	✅
10J Xenon Flash	✅	❓	❌	❌	✅	✅
Beacon steady	✅	✅	❌	❌	❌	❌
Beacon 10J Xenon Flash	✅	❓	❌	❌	❌	❌
LED bulbs	✅	❓	❌	❌	✅	✅
Incandescent bulbs	✅	❓	❌	❌	✅	✅
Sounder modules						
2 tone sounder	✅	✅	✅	✅	✅	✅
Mounting						
Direct mount	✅	✅	✅	✅	✅	✅
Pole + base plate mounting	✅	✅	✅	✅	✅	✅
L-bracket mounting	✅	✅	✅	✅	✅	✅

✅ Included   ❓ Replacement   ❌ Not included

Selection journey: How to select your Harmony Modular Tower Light

1. Base selection

- The base module determines the voltage level
- More connection types are now available:
  - **IO-Link base** enables direct plug and play into IO-link solution with ready IODD file
  - **USB base** integrated with Schneider HMI as a solution offer
  - **M12 24VAC/DC base** to maximize efficiency from wiring

2. Lens selection

- Maximum of 5 layers, including the top unit
- All lenses in the new offer are 24V
- Choose from 6 colors and 4 light patterns

3. Top unit selection

- Top unit can be either a sounder, beacon, or top cover
- All sounders and beacons in the new offer are 24V

  Note, the new offer's beacon is no longer a complete unit and does not include a base. Refer to the "Complete Beacon Substitution" section for details.

- Sound buzzers are adjustable up to 102 dB with 2-tone or 8-tone buzzers (IP66) or as a self-adjustable buzzer (IP65) that adjusts automatically based on ambient noise up to 100dB

- Editable sounders are customizable for **up to 15 channels of tones or MP3 files**

4. Mounting accessories

Both linear base mounting and wall mounting options are available with a variety of sizing

Four steps to select your Harmony Modular Tower Light

1 **Base selection**

- The base module determines the voltage level

- More connection types are now available:

  – **IO-Link base** enables direct plug and play into IO-link solution with ready IODD file
  – **USB base** integrated with Schneider Electric HMI as a solution offer
  – **M12 24VAC/DC base** to maximize efficiency from wiring

XVB7C21B   **XVB7C21M**

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Base	Base + cover	XVBC21	XVB7C21B	• 24V AC/DC only
			XVB7C21M	• 110-240VAC only
	Base only	XVBC07	XVB7C21B	• 24V AC/DC only • **New** XVB7 base comes with a cap
			XVB7C21M	• 110-240VAC only • **New** XVB7 base comes with a cap
	ASI base with side cable entry	XVBC21A	-	• Phased out ASI technology in the new offer
	ASI base with bottom entry	XVBC21B	-	
	New XVB7 IO-Link base	-	XVB7C31	-
	New XVB7 USB base	-	XVB7C51	-
	New XVB7 M12 connection 24VAC/DC base	-	XVB7C61	-

② Lens selection

- Maximum of 5 layers, including the top unit
- All lenses in the new offer are 24V
- Choose from 6 colors and 4 light patterns

Note: * in the below table represents lens color.

Green	Red	Amber
XVB7C2**3**	XVB7C2**4**	XVB7C2**5**

Blue	White	Yellow
XVB7C2**6**	XVB7C27	XVB7C2**8**

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Lens	Steady, incandescent lens	XVBC3*	XVB7C2*	• **New** XVB7 only has an LED lens, no more incandescent lens • Product voltage is determined via the base module
	Steady, LED lens	XVBC2B* XVBC2G* XVBC2M*		
	Blink, incandescent lens	XVBC4B* XVBC4G* XVBC4M*	XVB7C5*	• **New** XVB7 only has an LED lens, no more incandescent lens • Product voltage is determined via the base module
	Blink, LED lens	XVBC5B* XVBC5G* XVBC5M*		
	New XVB7 flashing 2J, LED lens	-	XVB7C6*	• Product voltage is determined via the base module
	New XVB7 rotating lens	-	XVB7CR*	• Available in two colors: red and orange
	New XVB7 multi-function lens	-	XVB7CM9	• Adjustable via dip switch: 8 colors and 4 light patterns

③ Top unit selection

- Top unit can be either a sounder, beacon, or cover

- All sounders and beacons in the new offer are 24V

  Note, the new offer's beacon is no longer a complete unit and does not include a base. Refer to the "Complete Beacon Substitution" section for details.

- Sound buzzers are adjustable up to 102 dB with 2-tone or 8-tone buzzers (IP66) or as a self-adjustable buzzer (IP65) that adjusts automatically based on ambient noise up to 100dB

- Editable sounders are customizable for up to 15 channels of tones or MP3 files

XVB7C9V   **XVB7C9S**

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Sound	2-tone buzzer, 12-48V	XVBC9B	XVB7C9S	• All sound modules for the **new** XVB7 are 24V LED • Product voltage is determined via the base module
	2-tone buzzer, 120-230V	XVBC9M		
	New XVB7 8-tone buzzer	-	XVB7C9T	• Tone and volume can be adjusted via the dip switch • 3 volume levels up to 102dB
	New XVB7 self-adjust buzzer	-	XVB7C9SS	• Automatically adjusts the volume based on ambient noise up to 100dB
	New XVB7 editable sounder	-	XVB7C9V	• Customizable up to 15 channels of tones or customized MP3 files

③ Top unit selection, cont'd

This section is for in-assembly beacon substitution. For complete beacon substitution, please refer to page 11 in this document.

Note: * in the below table represents color combination.

Green	Red	Amber	Blue	White	Yellow
XVB7L2**3**	XVB7L2**4**	XVB7L2**5**	XVB7L2**6**	XVB7L27	XVB7L2**8**
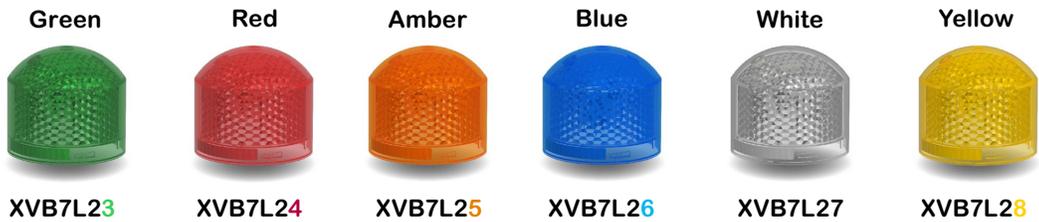
Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Beacon	Steady, LED 5J beacon	XVBC6B* XVBC6G* XVBC6M*	XVB7L2*	• All light modules for the **new** XVB7 are 24V LED • Product voltage is determined via the base module • Power rating for the **new** beacon is 2J
	Flash, LED, 10J beacon	XVBC8B* XVBC8G* XVBC8M*	XVB7L6*	• All light modules for the **new** XVB7 are 24V LED • Product voltage is determined via the base module • Power rating for the **new** beacon is 2J

4 Mounting accessories

Both linear base mounting and wall mounting options are available in a variety of sizing.

XVZ07 **XVZ100T** **XVZ02** **XVZ01** **XVZ400**

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Accessories	Fixing base, black aluminum, 80mm	XVBZ02	XVZ02	• **New** XVB7 fixing base (dark gray, plastic)
	Fixing base, aluminum, 80mm	XVBZ02A		
	Fixing base, black aluminum, 380mm	XVBZ03	XVZ01 + XVZ400	• **New** XVB7 separated into two references for higher pole length • Fixing base (dark gray, plastic) • 400mm aluminum pole
	Fixing base, aluminum, 380mm	XVBZ03A		
	Fixing base, black aluminum, 780mm	XVBZ04	XVZ01 + XVZ800	• **New** XVB7 separated into two references for higher pole length • Fixing base (dark gray, plastic) • 800mm aluminum pole
	Fixing base, aluminum, 780mm	XVBZ04A		
	Fixing plate only	XVBZ01	XVZ01	• **New** XVB7 fixing plate (dark gray, plastic)
	Ø 25 mm aluminum support tube, 780mm	XVBZ14	XVZ800	-
	Wall mount adapter	XVBC12	XVZ09	• **New** XVB7 adapter (dark gray, plastic)
	Side cable entry adapter	XVBC14	XVZ07	• **New** XVB7 adapter (dark gray, plastic)

④ Mounting accessories, cont'd

Both linear base mounting and wall mounting options are available in a variety of sizing.

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Accessories	**New** XVB7 foldable bracket	-	XVZ06	• Plastic, dark gray
	New XVB7 ½ NPT adapter	-	XVZ00	• Steel, silver
	New XVB7 side entry magnetic adapter	-	XVZ08	• Plastic, dark gray
	New XVB7 aluminum pole, 250mm	-	XVZ250	• Aluminum, silver
	New XVB7 L-bracket with pole, 100mm	-	XVZ100T	• Aluminum, silver
	New XVB7 L-bracket with pole, 250mm	-	XVZ250T	• Aluminum, silver
	Support tube cover	XVBC020	-	Phased out in the new XVB7
	Support tube cover	XVBC030	-	
	Support tube cover	XVBC040	-	
	Cover only	XVBC081	-	
	6-color marker	XVBC22	-	
	Legend	XVBC23	-	
	Legend	XVBCY1	-	
	Legend	XVBCY2	-	
	Label software	XBY2U	-	
	Light diffusal	XVBZ18	-	

Complete beacon substitution

XVBL0B* → **XVB7C21B** +

Green
XVB7L23

Red
XVB7L24

Amber
XVB7L25

Blue
XVB7L26

White
XVB7L27

Yellow
XVB7L28
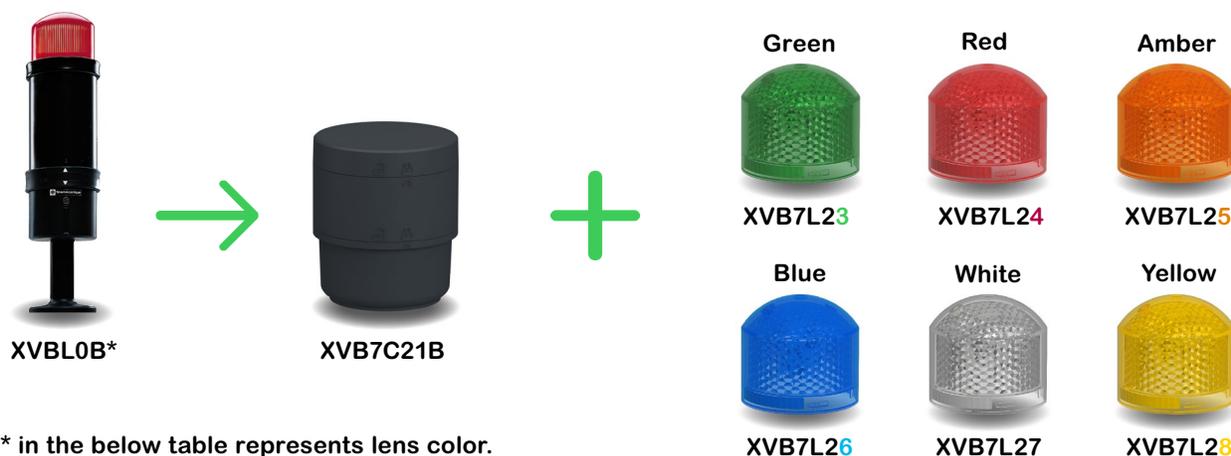
Note: * in the below table represents lens color.

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Beacon	DC base, steady, incandescent complete beacon	XVBL3*	XVB7L2* + XVB7C21B	• No more incandescent lenses in the new offer • Select DC base for 24VAC/DC application • The **new** XVB7 beacon is 24VDC, 2J power LED
	AC base, steady, incandescent complete beacon		XVB7L2* + XVB7C21M	• No more incandescent lenses in the new offer • Select AC base for 100-240VAC application • The **new** XVB7 beacon is 24VDC, 2J power LED
	DC base, steady, LED complete beacon	XVBL0B*	XVB7L2* + XVB7C21B	• Select DC base for 24VAC/DC application • The **new** XVB7 beacon is 24VDC, 2J power LED
	AC base, steady, LED complete beacon	XVBL0G* XVBL0M*	XVB7L2* + XVB7C21M	• Select AC base for 100-240VAC application • The **new** XVB7 beacon is 24VDC, 2J power LED

Complete beacon substitution, cont'd

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Beacon	Blink, incandescent complete beacon	XVBL4B* XVBL4M*	-	• Phased-out blink beacon in the new XVB7, replaced with a flash beacon
	Blink, LED complete beacon	XVBL1B* XVBL1G* XVBL1M*	-	
	DC base, flash, LED 5J complete beacon	XVBL6B*	XVB7L6* + XVB7C21B	• Select DC base for 24VAC/DC application • The **new** XVB7 beacon is 24VDC, 2J power LED
	AC base, flash, LED 5J complete beacon	XVBL6G* XVBL6M*	XVB7L6* + XVB7C21M	• Select AC base for 100-240VAC application • The **new** XVB7 beacon is 24VDC, 2J power LED
	DC base, flash, LED 10J complete beacon	XVBL8B*	XVB7L6* + XVB7C21B	• Select DC base for 24VAC/DC application • The **new** XVB7 beacon is 24VDC, 2J power LED
	AC base, flash, LED 10J complete beacon	XVBL8G* XVBL8M*	XVB7L6* + XVB7C21M	• Select AC base for 100-240VAC application • The **new** XVB7 beacon is 24VDC, 2J power LED

What's next?

Light up your journey with the Harmony Modular Tower Lights, expected mid-2025

**Learn more about
Harmony Modular Tower Lights**

**Configure your
Harmony Modular Tower Lights**

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