Redefining Signaling Excellence

Harmony™ XVB to XVB7 Modular Tower Lights substitution guide



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Brilliant, connected and streamlined for your success.

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.

Aesthetic

- Elevated **Modern Design**
- Available in both **dark grey** and **silver** body color

Visible

- 4X improvement in **brightness**
- Audible signal **up to 102dB**

Efficient

- **Rationalized construction**, reduce 3X SKUs with same functional coverage
- Reduce wiring time up to 95% with **pushing terminal** and **M12** connection
- Power optimization via **energy efficiency LED**

Flexible

- **Modular** concept provides flexibility in selection
- **IO-Link** and **USB** connections to 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

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

		New		New		New
	XVB	XVB7	XVU	XV6	XVM	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



XVB7C23

Red



XVB7C24

Amber



XVB7C25

Blue



XVB7C26

White



XVB7C27

Yellow



XVB7C28

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



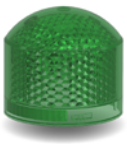
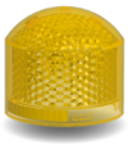
XVB7C9S

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.

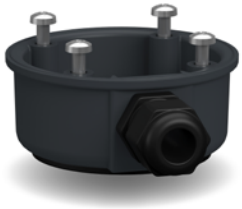
Note: * in the below table represents color combination.

Green	Red	Amber	Blue	White	Yellow
					
XVB7L23	XVB7L24	XVB7L25	XVB7L26	XVB7L27	XVB7L28

Category	Description	Existing XVB reference	New XVB7 reference	Remarks
Beacon	**New XVB7** Steady LED beacon		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 5J beacon	XVBC6B* XVBC6G* XVBC6M*	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
	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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To learn more about Harmony Modular Tower Lights, visit: se.com

Schneider Electric Industries SAS
35, rue Joseph Monier - CS 30323
F92506 Rueil-Malmaison Cedex

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