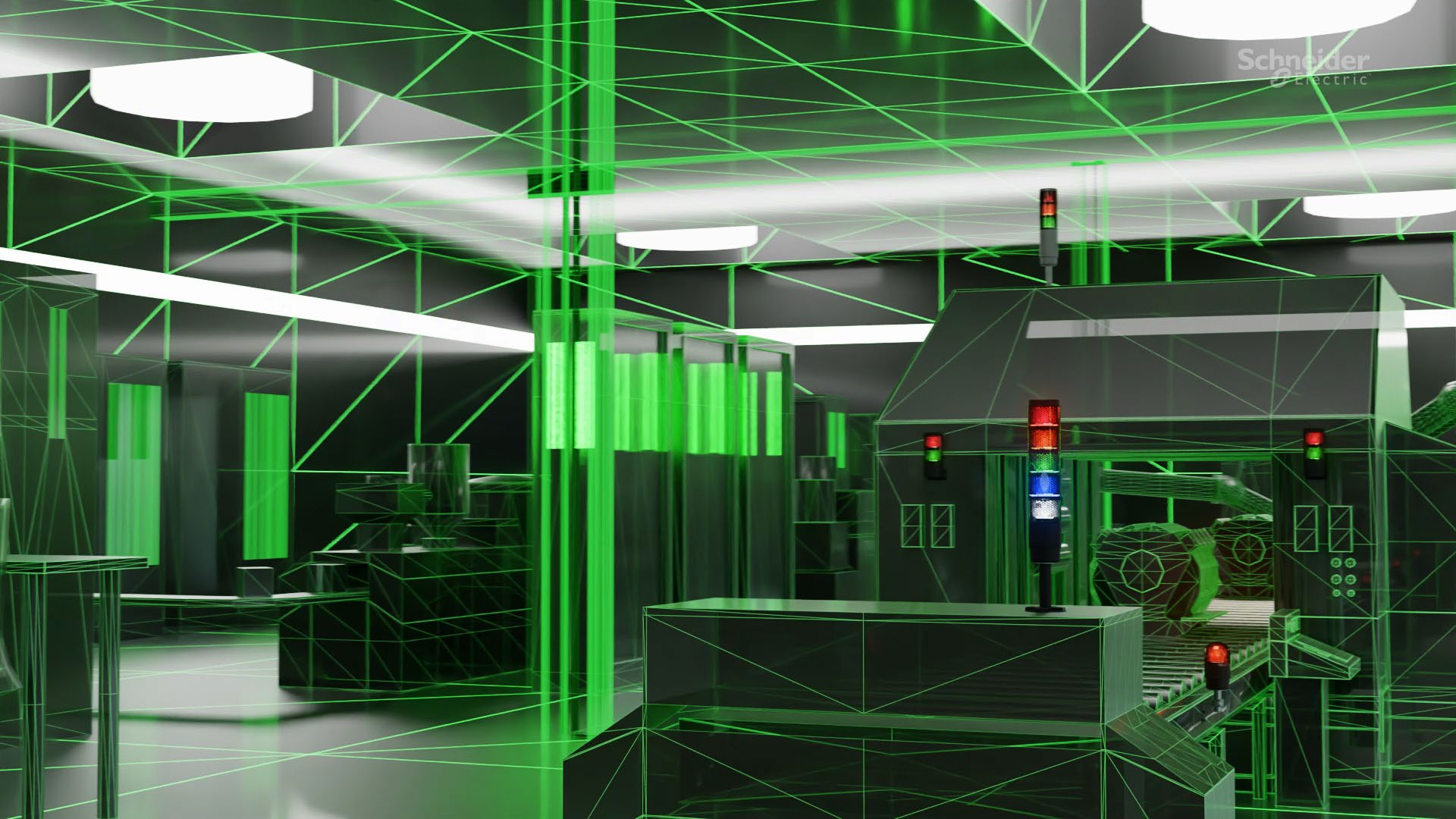




Harmony XVB7 Modular Tower Lights

November 2025



Harmony XVB7 modular tower lights

Redefining signaling excellence



Brilliant, connected, and streamlined for your success



Aesthetic

- Elevated **modern design**
- Available in both dark **grey, silver**, body colors



Visible

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



Flexible

- **Modular** design provides flexibility in selection
- **IO-Link** and **USB** connections to enable more operation capability



Efficient

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

Harmony XVB7 modular tower lights

Brilliant, connected, and streamlined for your success

Aesthetics and visibility

- 4X brightness with enhanced aesthetics, minimum glare and improved visibility
- 6 color + multi-color lens options
- 4 light patterns – steady, blinking, flashing, and rotating
- Available in dark grey and silver body color

Versatile base choices

- Modular concept with simplified base options
- USB, IO link, M12 base options.

Efficient

- More rationalized construction, reduce 3X SKUs with same functional coverage
- Reduced wiring time up to 95% with push-in terminals and M12 connection
- Power optimization via energy efficiency LED

Some features such as references in silver color, USB base, and sounders will be available in September 2025. Please refer to our product [catalog](#) for complete list.



State-of-the-art buzzers

- Up to 102 dB(A) sound output with 4 variants of buzzer
- 2-tone and 8-tone buzzers (IP66)
- Self-adjust buzzer (IP65)
- Editable sounder (IP65)

Built for diverse environment

- IP66 or IP65 rating across references
- Built to withstand dust, moisture, extreme temperatures, and vibrations

Universal accessories

- Universal accessories across the new 70/60/40 mm range
- 6 mounting styles including wall, magnetic and foldable styles

70 mm Harmony XVB7 exceptional functionality

Rich colors and light patterns for all applications

Rich colors and light patterns to fulfill multiple applications

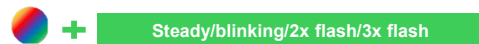
- 6 colours



- 4 light patterns



- Multi-function



- Beacon lens



DC only lens to simplify stock

Easy to select, easy to order

Rationalized construction with
24 V bases and voltage
selection through base

24 V



State of the art sounders

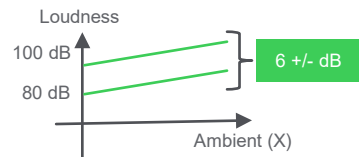
Wide line up of sounders selection, with greater loudness and high IP

- 2-tone and 8-tone buzzers (**IP66**)
- 3 mode of loudness adjustment (low, medium, high)
- Up to 102 dBA @ 1m

360° Omni sound



- *Self-adjust buzzer* (**IP65**)
- Sound pressure adjust automatically based on ambient



- *Editable sounders* (**IP65**)



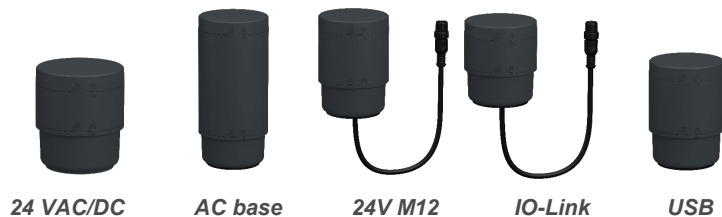
- **Type C USB** for programming
- Max 50 tones (8MB memory)
- **4x digital input** to select **15 tones**
- Support customer own **MP3 files**

Harmony XVB7 features overview – with only 64 references

More base variety

More bases to select from with varied options to be connected

- 5 bases



- 3 voltage category

24 VAC/DC

100–240 VAC

5V USB

- 3 wiring types

Push in terminal

M12

USB

- 2 body colours



Silver/Dark grey

- 2 connections

IO-Link

USB

Universal accessories

- Multiple mounting options



- 5 pole lengths

Default

100 mm

250 mm

400 mm

800 mm

- 2 body colours



White/Silver/Dark grey

- 2 body materials

Plastic



Metal

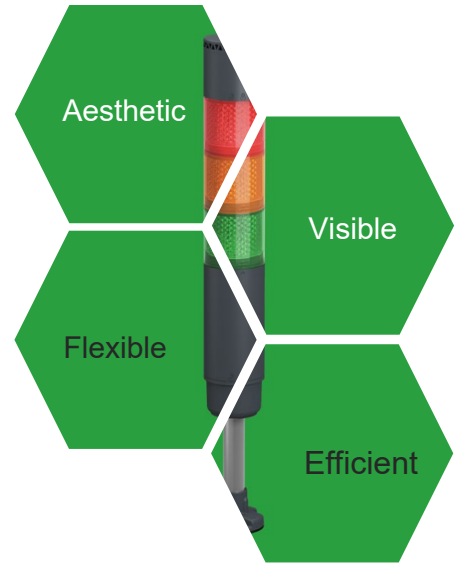
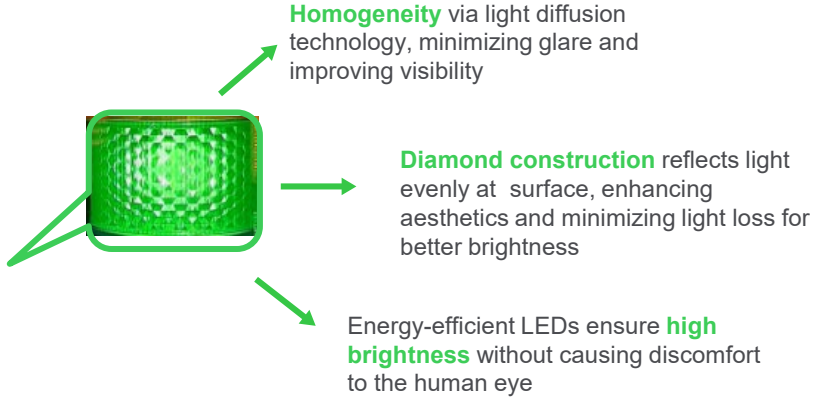


Aesthetic and visible

Aesthetic appeal and brightness are fundamental to a superior tower light

Diamond lens cut to achieve homogeneity and a modern look

Available in dark grey and silver body color



Flexible

Customize according to your own needs.

The modular concept offers **scalability**, and **simplified maintenance**, enabling cost-effective customization, easy upgrades, and improved adaptability.

4 steps to complete selection

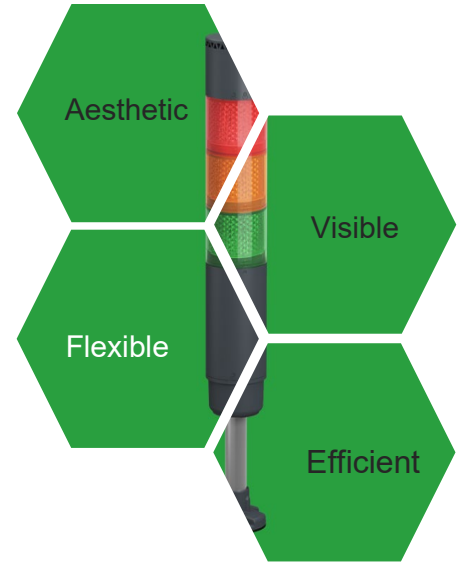
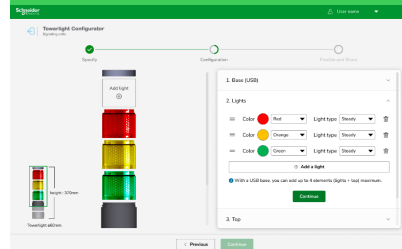


Aided with

Construction diagram



Online configurator

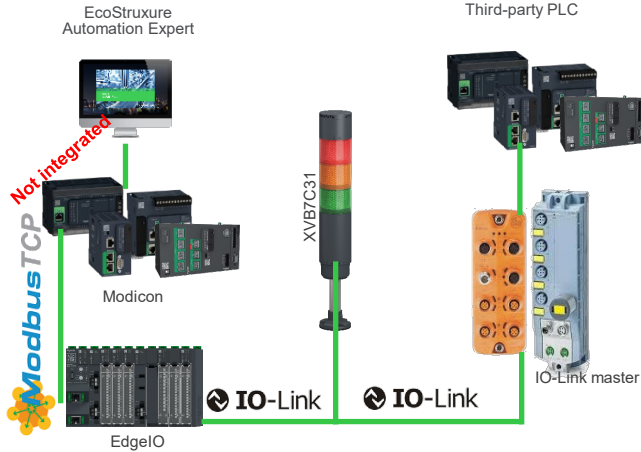


Flexible

Stay connected with our easy to integrated IO-Link base.

Schneider solution

Schneider ecosystem



Open IO-Link solution

Third party IO-Link ecosystem



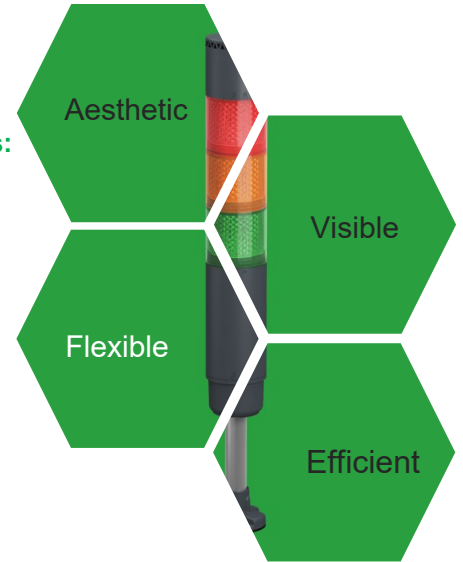
3 easy integration steps

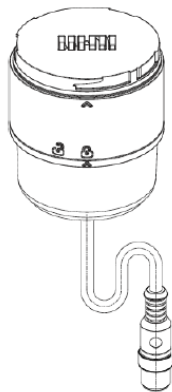
Easy to adapt IODD files with **3 easy steps**:

1. Download the IODD file and import to IO-Link controller/master.
2. Identify the pin number and its associated function via user guide.
3. Operate with 4 light function codes.

Light pattern	value
OFF	0b0000 0000 (0x00)
ON	0b0000 0001 (0x01)
BLINK ON	0b0000 0011 (0x03)
FLASH ON	0b0000 0101 (0x05)

Click here for the [I/O Link User Guide](#).





Part Number	XVB7C31 Type A
Connector	M12 5 pin
Operating voltage	24VDC
Number of layers	Support up to 5 layers (Light/Sound Module)
Maximum current/channel	500mA
Maximum output current	1600mA
Communication protocol	IO-Link version 1.1
Transmission rate	38400 bit/s (COM2)
Minimum cycle time	5ms
SIO mode	No
Block parameter	Yes
Data storage	Yes
Vendor ID	297 (0x0129)
Device ID	106 (0x0006a)

Please ensure communication settings are matching the table.

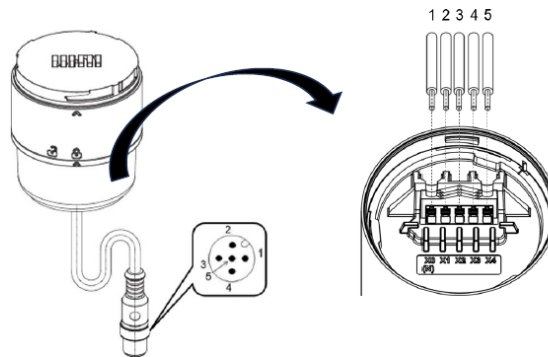
(IO-Link Device Definition) IODD File Import

Functions and information regarding the IO-Link Base is available in the IODD file which can be downloaded from the link provided below. Import the file to the IO-Link controller/master to recognize device.

IODD File- [Link](#)

Pin & Terminal Connection

The IO-Link Base comes with pre-wired M12 5 Pole cable (15cm) which is ready to be connected to an IO-Link master device. In the event re-wiring is required, please refer to the below:

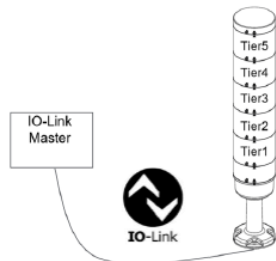


M12 pin	Wire Color	IO-Link Function	Terminal (On PCB)
1	Brown	L+	X0
2	White	+24V (optional)*	X1
3	Blue	L-	X2
4	Black	C/Q	X3
5	Gray	Not connected	X4

* Pin 2 can be used to provide additional power

Process Data

The lens and/or buzzer module (Tier 1-Tier 5) can emit any 4 light and/or sound patterns (OFF/ON/BLINK/FLASH) via the IO-Link Master by sending the corresponding byte information:



Name	Byte	Data type	Light/ Sound Pattern
Tier 1	0	IntergerT_8	OFF (0x00)/ON (0x01)/BLINK (0x03)/FLASH (0x05)
Tier 2	1	IntergerT_8	OFF (0x00)/ON (0x01)/BLINK (0x03)/FLASH (0x05)
Tier 3	2	IntergerT_8	OFF (0x00)/ON (0x01)/BLINK (0x03)/FLASH (0x05)
Tier 4	3	IntergerT_8	OFF (0x00)/ON (0x01)/BLINK (0x03)/FLASH (0x05)
Tier 5	4	IntergerT_8	OFF (0x00)/ON (0x01)/BLINK (0x03)/FLASH (0x05)

The effect of four light or/ and sound patterns are based on Steady Lens, Beacon Steady Lens and/or Buzzer continue tone.

If using Blinking Lens, Flashing Lens, Rotating Lens, Multi-function Clear Lens, and/or Beacon Flashing Lens, sound module, select 'On' pattern to achieve the effect of the LENS and Sound.

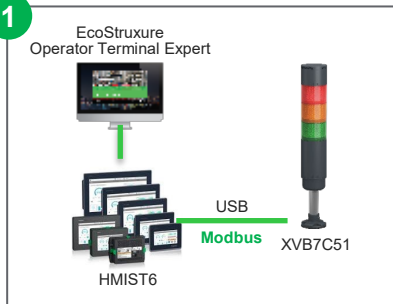
IO-Link Base Parameters

Name	Index	DataType	Value	Access
Vendor Name	16	StringT	Schneider Electric	ro
Vendor Text	17	StringT	Schneider Electric	ro
Product Name	18	StringT	Harmony Tower Light IO-Link Base	ro
Product ID	19	StringT	XVB7C31	ro
Product Text	20	StringT	IO-Link Base for Signaltower	ro
Serial Number	21	StringT	PP-YYYY-Wwww-VCX	ro
Hardware Revision	22	StringT	V1.0	ro
Firmware Revision	23	StringT	V1.0.0	ro
Application-specific Tag	24	StringT		rw
Function Tag	25	StringT		rw
Location Tag	26	StringT		rw

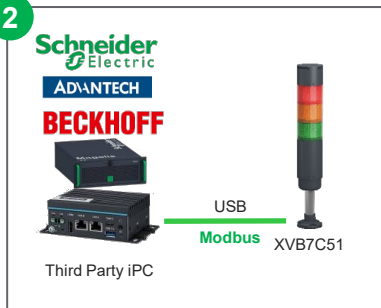
Flexible

Direct plug-and-play with Schneider HMI

1

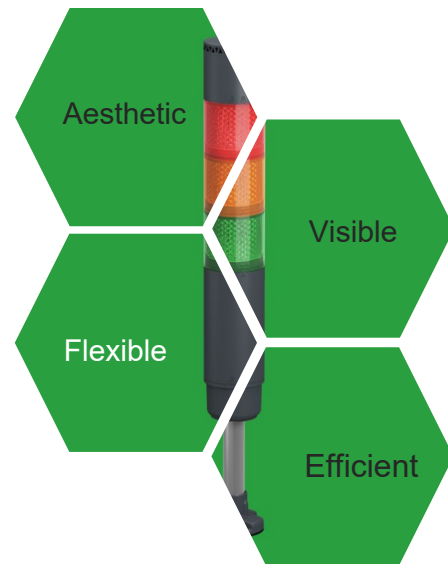
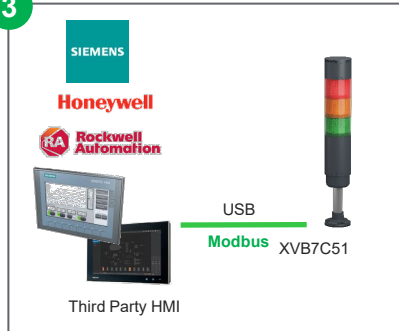


2



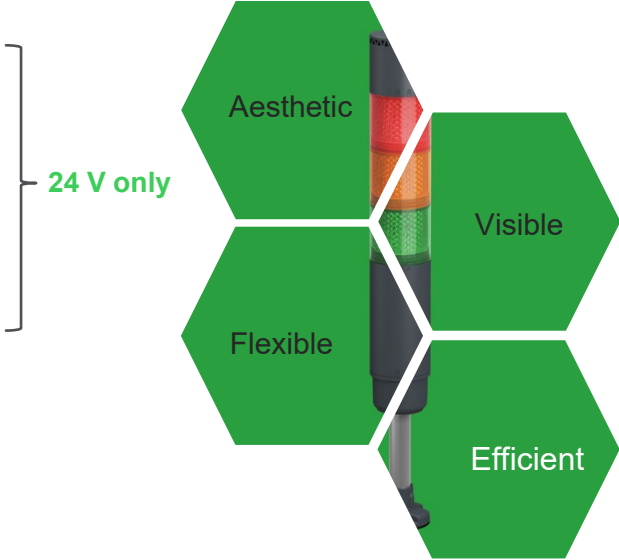
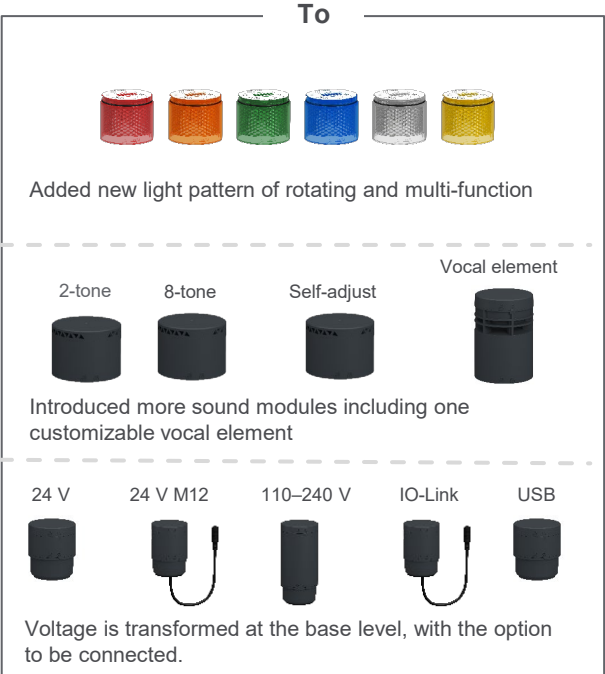
1. Integrated solution supports direct plug and play
2. Easy integration using Modbus over USB protocol
3. HMI USB must support Modbus protocol

3



Efficient

Rationalize design with wider functional coverage and only 64 SKUs.

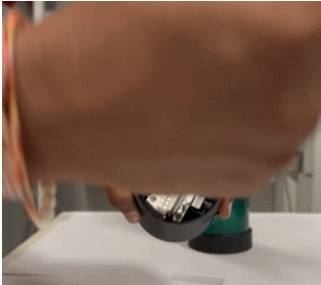


Efficient

Operation efficiency at its finest

Operation efficiency is a core consideration of industrial machine builders, and with our new wiring features, it can greatly improve **installation efficiency** and reduce installation time by **up to 90%**.

No more screwing



Up to 2 min. and more

Push-in terminal

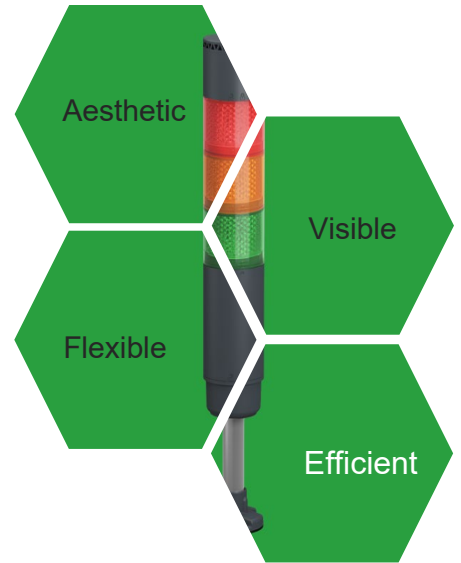


30 sec. or **70% reduction**

M12 connector



10 sec. or **90% reduction**



How to choose

4 simple steps to complete your tower light



3

1. Base selection

- The base determines the voltage level.
- Look out for your preferred connection type.

2

2. Lens selection

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

1

3. Top unit selection

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

4

4. Mounting accessories


- Common accessories for all diameter modular tower lights

Construction diagram



Harmony XVB7 modular tower light

Designed with sustainability in mind



Energy efficiency

32.5% of energy efficiency improvement versus legacy offer thanks to high efficiency LED modules

Material efficiency

20% of weight reduction on average versus legacy offer

Sustainable packaging

- 100% recycled cardboard
- No single use plastic
- Optimized logistics flows

Lifetime extension

- Simplified modular design
- Spare parts available from stock

Recirculation

- End of life document

Improved carbon efficiency by 28%