Catalog | January 2023



Harmony XVM modular tower lights

Signaling units Ø 45



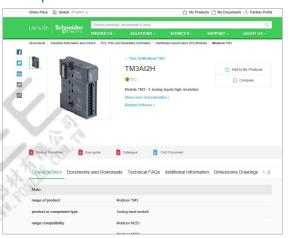
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General content

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Signaling solutions Harmony type XV



Type of products		Pre-assembled and pre-cabled USB tower lights	Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 4 units
Diameter		Ø 60 mm/2.362 in.	Ø 60 mm/2.362 in.
Degree of protection confo	orming to IEC 60529	IP 54	IP 53 and IP 42 (base mounting) IP 23 (direct aluminium tube mounting, aluminium tube mounting and "L" bracket) IP 53 and IP 42 (aluminium tube mounting and fixing plate) IP 40 (aluminium tube mounting and foldable bracket)
Type of signalling	Steady	Yes	Yes
	Flashing	Yes	-
	High flashing	-	-
	Sound	With buzzer (volume control and alarm type can be set with HMI)	With buzzer
Light sources	Incandescent bulb	-	-
	LED bulb	-	-
	Integral LED	Yes	Yes
	"Flash" discharge tube	-	-
	Halogen bulb	-	-
Colors of illuminated units		Mutli-color LEDs (many possible combinations can be set with HMI) Red Orange Green Blue	□ Red □ Green □ Amber □ Blue
Connection		USB power cable: - 300 mm/11.81 in. for tube mounting - 400 mm/15.75 in. for direct mounting	Flying leads, length 500 to 560 mm/19.68 to 22.05 in. for tube mounting according to model. Length 900 mm/35.43 in. for base mounting.
Support panel drilling or co	ut-out	Mounting on support tube with fixing plate: $4 \times \emptyset$ 6 mm/0.236 in. Direct mounting on horizontal support: $3 \times \emptyset$ 5 mm/0.197 in.	Base mounting: $3 \times 05 \text{ mm/0.197 in.}$ Direct aluminium tube mounting: $\emptyset 20/0.787 \text{ in.}$ Aluminium tube mounting and "L" bracket: $2 \times 09/0.354 \text{ in.}$ Aluminium tube mounting and fixing plate: $4 \times 06/0.236 \text{ in.}$ Aluminium tube mounting and foldable bracket: $4 \times 06/0.236 \text{ in.}$
Type references		XVGU	XVG



Signaling solutions

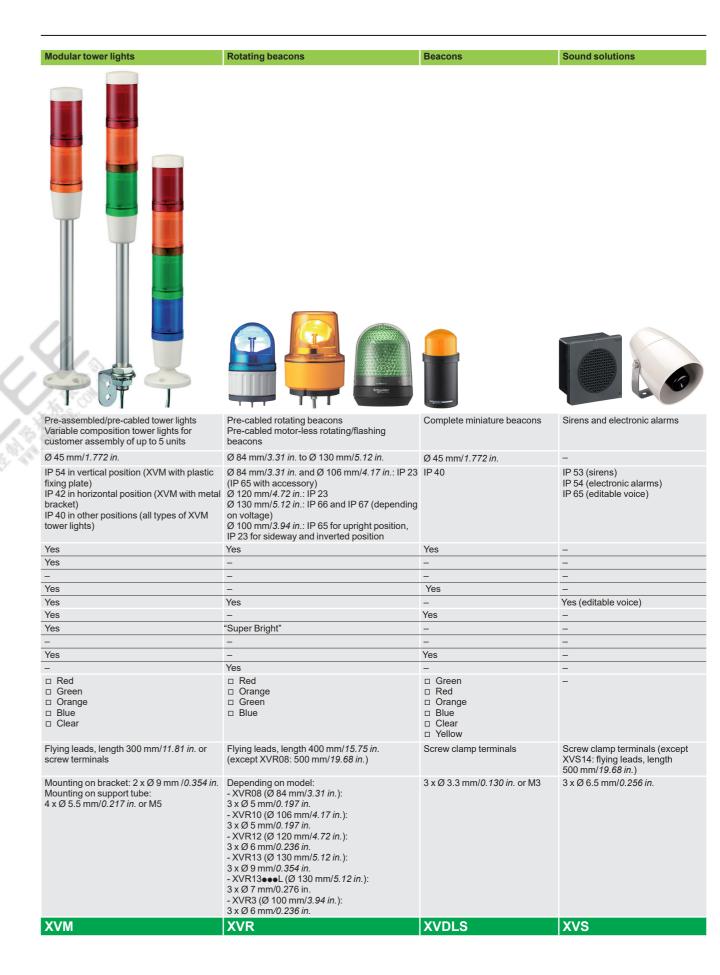
Harmony type XV

Harmony type XV Modular tower lights





Type of products		Illuminated beacons Variable composition tower lights for customer assembly of up to 5 units	Tower lights for customer assembly of up to 5 units.
Diameter		Ø 70 mm/2.756 in.	Ø 60 mm/2.362 in.
Degree of protection conform	ming to IEC 60529	IP 65 (mounted on fixing base XVBZ0●) IP 66 (mounted on base unit)	IP 65 for illuminated units IP 54 for audible units IP 55 for flexible mounting unit
Type of signalling	Steady	Yes	Yes
	Flashing	Yes	Yes
	High flashing	-	Yes
	"Flash"	Yes	-
	Sound	Yes	Yes (buzzer or editable voice)
Light sources	Incandescent bulb	Yes	-
	LED bulb	"PROTECTED LED"	-
	Integral LED	"PROTECTED LED"	Yes
	"Flash" discharge tube	Yes	-
	Halogen bulb	-	-
Colors of illuminated units		☐ Green ☐ Red ☐ Orange ☐ Blue ☐ Clear ☐ Yellow	□ Green □ Red □ Orange □ Blue □ White □ Yellow
Connection		Screw clamp terminals	Spring cage connection terminals
Support panel drilling or cut	-out	Mounting on support tube: $4 \times \emptyset$ 5.5 mm/0.217 in. or M5 Vertical mounting: $3 \times \emptyset$ 5 mm/0.197 in. or M5 Direct mounting: $2 \times \emptyset$ 4.5 mm/0.177 in. or M4	Mounting on support tube and adjustable support tube: $4 \times \emptyset$ 6 mm/0.236 in. Flexible wall mounting: $3 \times \emptyset$ 5 mm/0.197 in. Direct mounting: $2 \times \emptyset$ 5 mm/0.197 in. $3 \times \emptyset$ 5 mm/0.197 in. $4 \times \emptyset$ 5 mm/0.197 in. Mounting on bracket: $2 \times \emptyset$ 9 mm/0.354 in.
Type references		XVBL, XVBC	XVU



Signaling Units

Modular tower lights Harmony type XVM Ø 45

Pre-assembled/pre-cabled tower lights and tower lights for customer assembly

XVM Tower lights supplied pre-assembled and pre-cabled, with 1, 2, 3 or 4 illuminated units, each one fitted with a buzzer and a fixing base

Presentation

The modular tower lights in the Harmony® XVM range are available in two forms:

■ Pre-assembled and pre-cabled by Schneider Electric.

The tower lights are supplied:

- □ with 1, 2, 3 or 4 illuminated signaling units,
- □ with or without buzzer,
- ☐ fitted with a fixing base for mounting on a vertical support (only one support possible) or an horizontal support (two types of support available).

Pre-assembled and pre-cabled \emptyset 45 mm XVM tower lights cannot be modified due to wiring.

■ Separate components (in catalog) for customer assembly of variable composition units to meet specific requirements.

Light signaling

5 lens unit colors are available: Red, Orange, Green, Clear and Blue.

These illuminated units incorporate a BA 15d base that can be fitted (by simple 15° rotation) with the choice of light source:

- □ 1 incandescent bulb,
- □ 1 "Super Bright" LED, or
- □ 1 "flash" discharge tube.

These three types of light source enable:

- □ steady light signaling using an incandescent bulb or an LED (1),
- ☐ flashing light signaling using an LED,
- "flash" light signaling using a "flash" discharge tube.

(1) A flashing function can also be obtained from a steady light LED by using a PLC output signal.

Audible signaling

The tower light is supplied with or without an audible (buzzer) unit depending on the configuration required. The buzzer is housed in the base unit of the tower light along with:

- A potentiometer for adjusting the volume of the audible signal, up to a value of 85 dB,
- A selector for selecting the type of signal: continuous or intermittent tone.

Modularity

- XVM tower lights can also be assembled by the customer using separate components, all of which are listed in the catalog:
- □ either 5 illuminated units maximum, or
- □ a base unit with buzzer and 4 illuminated units.
- The light sources (incandescent bulb, Super Bright LED or "flash" discharge tube) are interchangeable. This enables, for example, the replacement of incandescent bulbs initially fitted in a tower light by LEDs (longer service life) in order to reduce maintenance operations. The current consumption of LEDs is very low and consequently, their usage has a definite effect on the reduction of power consumption.
- The illuminated units easily fit together and the electrical connections are made automatically.
- For customer assembled indicator banks, the connections in the base unit are made to a screw terminal block.

Environment

The degree of protection of pre-assembled and customer-assembled XVM tower lights depends on the installation mode and on the selected mounting accessories:

- IP 54 in horizontal position (XVM with plastic fixing base),
- IP 42 in vertical position (XVM with metal bracket),
- IP 40 in other positions (all types of XVM tower lights).

Tower lights conform with EN/IEC 60947-1 and EN/IEC 60947-5-1 standards. They are CCC, C€ and UKCA certified.

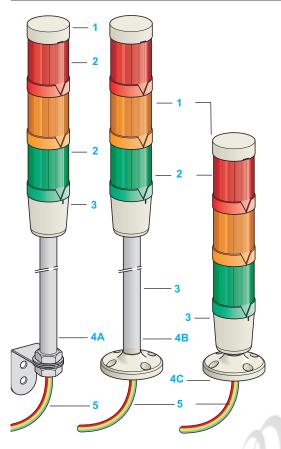
Cabling

XVM tower lights supplied pre-assembled are equipped with wires marked with a wiring instructions label. Each signaling unit of the tower light is identified by a different wire color. Electrical connections between each unit are made automatically.

Signaling Units

Modular tower lights Harmony type XVM Ø 45

Pre-assembled/pre-cabled tower lights and tower lights for customer assembly



Description

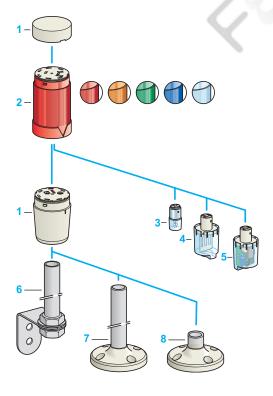
Pre-assembled and pre-cabled tower lights

The pre-assembled XVM indicator banks comprise:

- 1 A cover,
- 2 One, two, three or four colored illuminated units (red, orange, green or blue). Each illuminated unit is fitted with an incandescent bulb, a base mounted Super Bright LED with integrated light diffuser or a "flash" discharge tube, depending on the model selected in catalog,
- 3 A base unit integrating the buzzer (depending on the model),
- 4 A fixing base for mounting on a vertical or horizontal support (depending on the model),
- 5 300 mm flying lead connections, each wire identified.

Three types of fixations are proposed:

- **4A** A fixing base, comprising a 250 mm aluminium tube mounted on a bracket, for mounting on a vertical support,
- 4B A fixing base, comprising a 250 mm aluminium tube mounted on a plastic bracket, for mounting on an horizontal support,
- 4C A plastic fixing plate for direct mounting on the base unit.



Customer assembled tower lights

The customised composition of XVM tower lights is obtained by assembling:

- 1 A cover and a base unit, with or without integral buzzer,
- 2 5 illuminated units maximum (1), Red, Orange, Green, Blue or Clear lens (light source not included).

Each illuminated unit can be fitted with either:

- 3 an incandescent bulb,
- 4 a base mounted Super Bright LED with integrated light diffuser, or
- 5 a "flash" discharge tube.

Base mounted LEDs and "flash" discharge tubes can be fitted or removed without using a tool.

The assembly detailed above mounts on either:

- 6 an aluminium support tube (length 100, 250 or 400 mm) mounted on a fixing bracket.
- 7 an aluminium support tube (length 100, 250 or 400 mm) mounted on a plastic fixing plate,
- 8 a plastic fixing plate for direct mounting under the base unit.
- (1) Maximum configuration possibilities:
 - ☐ 5 illuminated units mounted on base unit without buzzer,
 - ☐ 4 illuminated units mounted on base unit fitted with buzzer.

Signaling Units Modular tower lights Harmony type XVM Ø 45
Pre-assembled/pre-cabled tower lights



Pre-assembled ar	nd pre-cabled t	ower lig	ghts wi	th one ill	uminate	d unit	
Description	Light source	Voltage	Signalin	g color (1)		Reference	Weight kg
	(included)	(V)	Steady	Flashing	"Flash"		
With fixing base for m Protection: IP 54	ounting on horizor	ntal supp	ort (plast	ic fixing plat	te)		
With buzzer integrated in base unit (2)	Super Bright LED With integral light diffuser	≂24	R	-	-	XVMB2RSWSB	0.210/ <i>0.46</i> 3

With fixing base for mo	ounting on vertical	support	(250 mm	aluminium s	support tub	e + metal bracket)	
Without buzzer	Super Bright LED With integral light diffuser	≂24	R	_	-	XVMB2RSB	0.360/ <i>0.</i> 794

⁽¹⁾ Signaling color: R: Red.





⁽²⁾ Continuous or intermittent tone. Sound level at 1 m: 0 dB to 85 dB.

Signaling Units Modular tower lights

Harmony type XVM Ø 45
Pre-assembled/pre-cabled tower lights



Description	Light source	Voltage	Signaling	color (1)		Reference (2)	Weight
	(included)	(V)	Steady	Flashing	"Flash"	-	kg
With fixing base for n Protection: IP 42	nounting on vertica	al suppo	rt (250 mr	n aluminium	n support tu	be + metal bracke	et)
Without buzzer	Incandescent bulb, 5 W	≂24	R-G	-	-	XVMB1RG	0.420 0.926
	Super Bright LED With integral light	≂24	R-G	_	_	XVMB2RGSB	0.420 0.926
	diffuser	~ 230	R-G	_	_	XVMM2RGSB	0.420 0.926
Nith buzzer integrated n base unit (3)	Incandescent bulb, 5 W	≂24	R-G	_	_	XVMB1RGS	0.420
	Super Bright LED With integral light	≂24	R-G	_	_	XVMB2RGSSB	0.420 0.926
	diffuser	~ 230	R-G	_	_	XVMM2RGSSB	0.420 0.926

- (1) Signaling color: R: Red; O: Orange; G: Green.
- (2) In the references, the colors are listed in the same order as the mounting of illuminated units (from top to bottom).

 (3) Continuous or intermittent tone. Sound level at 1 m: 0 dB to 85 dB.

Signaling Units Modular tower lights Harmony type XVM Ø 45 Pre-assembled/pre-cabled tower lights



Description	Light source	Voltage	Signaling color (1)			Reference (2)	Weight
	(included)	(V)	Steady	Flashing	"Flash"	-	kg
With fixing base for n	nounting on horize	ontal sup	port (pla	stic fixing p	late)		
Protection: IP 54							
	Super Bright LED With integral light	≂24	R-0-G	-	-	XVMB2RAGWSB	0.320/ 0.705
	diffuser	~ 230	R-O-G	-	-	XVMM2RAGWSB	0.320/ <i>0.705</i>
With buzzer integrated in base unit (3)	Super Bright LED With integral light diffuser	≂24	R-O-G	-	_	XVMB2RAGSWSB	0.320/ 0.705
With fixing base for m Protection: IP 54	ounting on horizo	ntal supp	oort (250	mm alumin	ium suppo	rt tube + plastic fixinç	g plate)
Without buzzer	Super Bright LED With integral light	≂24	R-O-G	-	-	XVMB2RAGHSB	0.380/ <i>0.83</i> 8
	diffuser		R-G	0	-	XVMB2RA5GHSB	0.380/ <i>0.838</i>
With buzzer integrated in base unit (3)	Super Bright LED With integral light diffuser	≂24	R-O-G	-	_	XVMB2RAGSHSB	0.380/ 0.838

⁽¹⁾ Signaling color: R: Red; O: Orange; G: Green.
(2) In the references, the colors are listed in the same order as the mounting of illuminated units (from top to bottom).
(3) Continuous or intermittent tone. Sound level at 1 m: 0 dB to 85 dB.

Signaling Units
Modular tower lights Harmony type XVM Ø 45 Pre-assembled/pre-cabled tower lights



Description	Light source	Voltage	Signaling	g color (1)		Reference (2)	Weight
	(included)	(V)	Steady	Flashing	"Flash"	-	kg
With fixing base for n Protection: IP 42	nounting on verti	cal supp	ort (250 n	nm aluminiu	ım support	tube + metal bracke	et)
Without buzzer	Incandescent bulb, 5 W	≂24	R-O-G	-	-	XVMB1RAG	0.480 1.058
		≂230	R-O-G	_	-	XVMM1RAG	0.480 1.058
	Super Bright LED with integral light	≂24	R-O-G	_	_	XVMB2RAGSB	0.480 1.058
	diffuser		R-G	0	-	XVMB2RA5GSB	0.480 1.058
			G	R-0	_	XVMB2R5A5GSB	0.480 1.058
		∼ 120 ————	R-O-G	_	_	XVMG2RAGSB	0.480 1.058
		∼ 230	R-O-G	_		XVMM2RAGSB	0.480 1.058
			O-G	_	R	XVMM2R6AGSB	0.480 1.058
With buzzer integrated in base unit (3)	Incandescent bulb, 5 W	≂24	R-O-G	_	_	XVMB1RAGS	0.480 1.058
	Super Bright LED with integral light	≂24	R-O-G	_	_	XVMB2RAGSSB	0.480 1.058
	diffuser	/	0-G	<u>-</u>	R	XVMB2R6AGSSB	0.480 1.058
			R-G	0	-	XVMB2RA5GSSB	0.480 1.058
			G	R-O	_	XVMB2R5A5GSSB	0.480 1.058
		∼ 120	R-O-G	-	-	XVMG2RAGSSB	0.480 1.058
	(4)	~ 230	R-O-G	-	-	XVMM2RAGSSB	0.480 1.058

⁽¹⁾ Signaling color: R: Red; O: Orange; G: Green.
(2) In the references, the colors are listed in the same order as the mounting of illuminated units (from top to bottom).
(3) Continuous or intermittent tone. Sound level at 1 m: 0 dB to 85 dB.

Signaling Units Modular tower lights

Harmony® type XVM Ø 45
Pre-assembled/pre-cabled tower lights



Description	Light source	Voltage	Signaling	color (1)		Reference (2)	Weight
	(included)	(V)	Steady	Flashing	"Flash"	-	kg
With fixing base for m	ounting on vertice	cal supp	ort (250 mi	m aluminiu	n suppor	tube + metal brack	et)
Protection: IP 42	_		•				·
Without buzzer	Super Bright LED With integral light diffuser	≂24	R-O-G-B	-	-	XVMB2RAGBSB	0.540 1.190
With buzzer integrated in base unit (3)	Super Bright LED With integral light diffuser	≂24	R-O-G-B	-	-	XVMB2RAGBSSB	0.540 1.190

- (1) Signaling color: R: Red; O: Orange; G: Green; B: Blue.
 (2) In the references, the colors are listed in the same order as the mounting of illuminated units (from top to bottom).
 (3) Continuous or intermittent tone. Sound level at 1 m: 0 dB to 85 dB.

Signaling UnitsModular tower lights
Harmony® type XVM Ø 45
Tower lights for customer assembly





XVMC29•







XVMZ06

Customer assem Description	Details	Voltage V	Color	Reference	Weight kg
Illuminated units		•			νg
Lens units only for BA 15d base fitting bulb	Bulb not included, 5 W max.	Up to \sim 230	Green	XVMC33	0.040 0.088
			Red	XVMC34	0.040 0.088
			Orange	XVMC35	0.040 0.088
			Blue	XVMC36	0.040 0.088
Dana manusation musita			Clear	XVMC37	0.040 0.088
Base mounting units					
Base unit and cover	Base unit without buzzer	-	White	XVMC21	0.100 <i>0.22</i> 0
	Base unit with integral 85 dB buzzer	≂24	White	XVMC29B	0.100 0.220
		∼ 230	White	XVMC29M	0.100 0.220
Base unit and cover + fixing base (250 mm support tube + bracket)	Base unit without buzzer	<i>U</i> .	White	XVMC213T	0.300 <i>0.66</i>
Fixing bases					
Description	Length mm	Height under base unit mm	Color	Reference	Weight kg
Ø 20 mm aluminium support tube + plastic	100	106	White	XVMZ02	0.100 <i>0.22</i> 0
fixing plate (protection IP 54)	250	256	White	XVMZ03	0.100 <i>0.22</i> 0
	400	406	White	XVMZ04	0.100 <i>0.22</i> 0
Ø 20 mm aluminium support tube + metal	100	113	_	XVMZ02T	0.200 0.44
bracket (protection IP 42)	250	263	_	XVMZ03T	0.200 0.44
	400	413	-	XVMZ04T	0.300 0.66
Plastic fixing plate for mounting on horizontal	-	_	White	XVMZ06	0.300

Signaling UnitsModular tower lights
Harmony® type XVM Ø 45
Tower lights for customer assembly







DL6B●

Description	Signaling	Sold in	Voltage	Color	Unit reference	Weight
	- 5	lots of	V			kg
Incandescent bulbs, 5 W	Steady light	10	≂24 ———	_	DL1EDBS	0.007 0.015
			≂230	-	DL1EDMS	0.007 0.015
Super Bright LEDs with integral light diffuser	□ Steady light: replace the • by D in the	1	≂24	White	DL2EDB1SB	0.020 0.044
	references shown on the right. □ Flashing light:			Red	DL2EDB4SB	0.020 0.044
	replace the ● by K in the references shown on the right.			Blue	DL2EDB6SB	0.020 0.044
				Orange	DL2EDB8SB	0.020 0.044
				White	DL2EKB1SB	0.020 0.044
				Red	DL2EKB4SB	0.020 0.044
				Blue	DL2EKB6SB	0.020 0.044
		1		Orange	DL2EKB8SB	0.020 0.044
			≂ 120	Blue	DL2EKG6SB	0.020 0.044
		\sim		Orange	DL2EKG8SB	0.020 0.044
		1	~230	White	DL2EDM1SB	0.020 0.044
		X 1936		Green	DL2EDM3SB	0.020 0.044
		a LOSS		Red	DL2EDM4SB	0.020 0.044
				White	DL2EKM1SB	0.020 0.044
	A All			Green	DL2EKM3SB	0.020 0.044
	A. T. V			Red	DL2EKM4SB	0.020 0.044
				Blue	DL2EKM6SB	0.020
				Orange	DL2EKM8SB	0.020
"Flash" discharge tubes,	"Flash"	1	≂24	_	DL6BB	0.022

⁽¹⁾ All light sources are push-and-turn (15°) mounting in a BA 15d base within the illuminated units.

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