



Harmony XVB & XVU modular tower lights

Signaling units Ø 70mm (XVB) & Ø 60mm (XVU)

Quick access to product information

Get technical information about your product

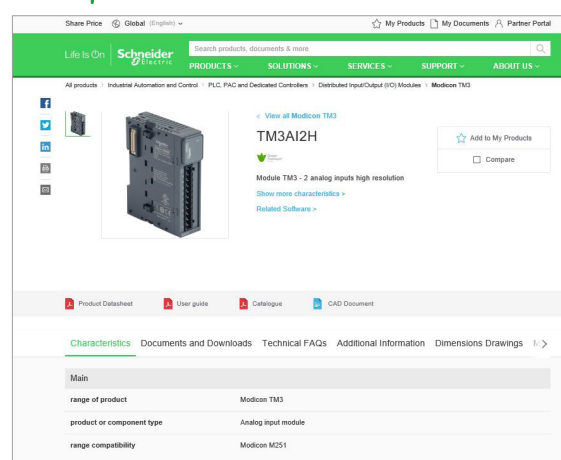
References

Modicon TM3
I/O expansion modules for Modicon controllers
Analog I/O modules

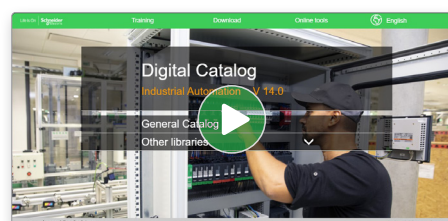
References	Modicon TM3 analog input modules	Modicon TM3 analog output modules
Number and type of channels	Input range	Output range
2 voltage/current inputs	±15 VDC 0...10 VDC 0...20 mA, 4...20 mA	15 bits of 10 bits + sign
4 voltage/current inputs	±15 VDC 0...10 VDC 0...20 mA, 4...20 mA	12 bits of 10 bits + sign
4 voltage/current or temperature inputs	Thermopiles (0...10 VDC, 0...100 °C, 0...200 °C, 0...300 °C, 0...400 °C, 0...500 °C, 0...600 °C, 0...700 °C, 0...800 °C, 0...900 °C, 0...1000 °C) RTDs (0...10 VDC, 0...100 °C, 0...200 °C, 0...300 °C, 0...400 °C, 0...500 °C, 0...600 °C, 0...700 °C, 0...800 °C, 0...900 °C, 0...1000 °C) 0...10 VDC 0...20 mA, 4...20 mA	15 bits of 10 bits + sign
4 differential temperature inputs	Thermopiles (0...10 VDC, 0...100 °C, 0...200 °C, 0...300 °C, 0...400 °C, 0...500 °C, 0...600 °C, 0...700 °C, 0...800 °C, 0...900 °C, 0...1000 °C) RTDs (0...10 VDC, 0...100 °C, 0...200 °C, 0...300 °C, 0...400 °C, 0...500 °C, 0...600 °C, 0...700 °C, 0...800 °C, 0...900 °C, 0...1000 °C) 0...10 VDC 0...20 mA, 4...20 mA	15 bits of 10 bits + sign
8 voltage/current	±15 VDC 0...10 VDC 0...20 mA, 4...20 mA	12 bits of 10 bits + sign

Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

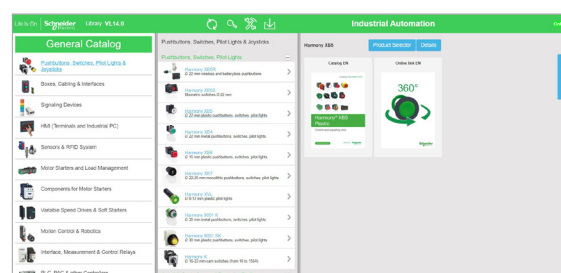
- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual



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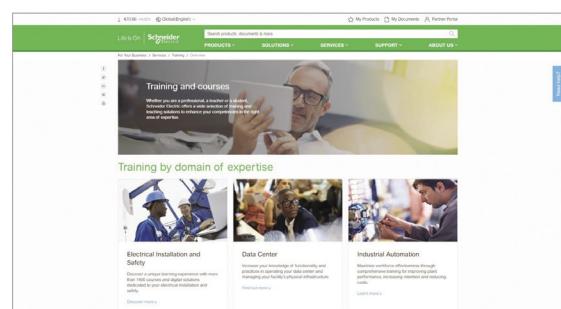


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Part 2: XVU Ø 60 mm

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Harmony XVB

modular tower lights




Harmony type XV		Monolithic tower lights	
			
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 conforming 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		Multi-color LEDs (many possible combinations can be set with HMI) <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue	<input type="checkbox"/> Red <input type="checkbox"/> Green <input type="checkbox"/> Amber <input type="checkbox"/> 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 cut-out		Mounting on support tube with fixing plate: 4 x Ø 6 mm/0.236 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.197 in.	Base mounting: 3 x Ø5 mm/0.197 in. Direct aluminium tube mounting: Ø20/0.787 in. Aluminium tube mounting and "L" bracket: 2 x Ø9/0.354 in. Aluminium tube mounting and fixing plate: 4 x Ø6/0.236 in. Aluminium tube mounting and foldable bracket: 4 x Ø6/0.236 in.
Type references		XVGU	XVG

Monolithic tower lights



Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights
Ø 40 mm/1.575 in.	Ø 60 mm/2.36 in.	Ø 100 mm/3.937 in.
IP 54 (flat surface installation) IP 23 (vertical surface installation)	IP 54 (flat surface installation) IP 23 (vertical surface installation)	IP 54 (flat surface installation)
Yes	Yes	Yes
Yes	Yes	Yes
–	–	–
With buzzer	With buzzer	With siren or buzzer
–	–	–
–	–	–
Yes	Yes	Yes
–	–	–
–	–	–
<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear
Flying leads, length 450 mm/17.71 in. to 900 mm/35.43 in. according to model	Flying leads, length 450 mm/17.71 in. to 850 mm/33.46 in. according to model	Flying leads, length 500 mm/19.68 in.
Mounting on support tube with bracket: 2 x Ø 9 mm/0.354 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.20 in. Other mounting possibilities with accessories	Mounting on support tube with bracket: 2 x Ø 11 mm/0.43 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.197 in. Other mounting possibilities with accessories	Direct mounting on horizontal support: - 3 x Ø 6 mm/0.236 in. (without siren) - 3 x Ø 7 mm/0.276 in. (with siren) Other mounting possibilities with accessories
XVC4	XVC6	XVC1

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 conforming 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		<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear <input type="checkbox"/> Yellow	<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> White <input type="checkbox"/> Yellow
Connection		Screw clamp terminals	Spring cage connection terminals
Support panel drilling or cut-out		Mounting on support tube: 4 x Ø 5.5 mm/0.217 in. or M5 Vertical mounting: 3 x Ø 5 mm/0.197 in. or M5 Direct mounting: 2 x Ø 4.5 mm/0.177 in. or M4	Mounting on support tube and adjustable support tube: 4 x Ø 6 mm/0.236 in. Flexible wall mounting: 3 x Ø 5 mm/0.197 in. Direct mounting: 2 x Ø 5 mm/0.197 in. 3 x Ø 5 mm/0.197 in. 4 x Ø 5 mm/0.197 in. Mounting on bracket: 2 x Ø 9 mm/0.354 in.
Type references		XVBL, XVCB	XVU

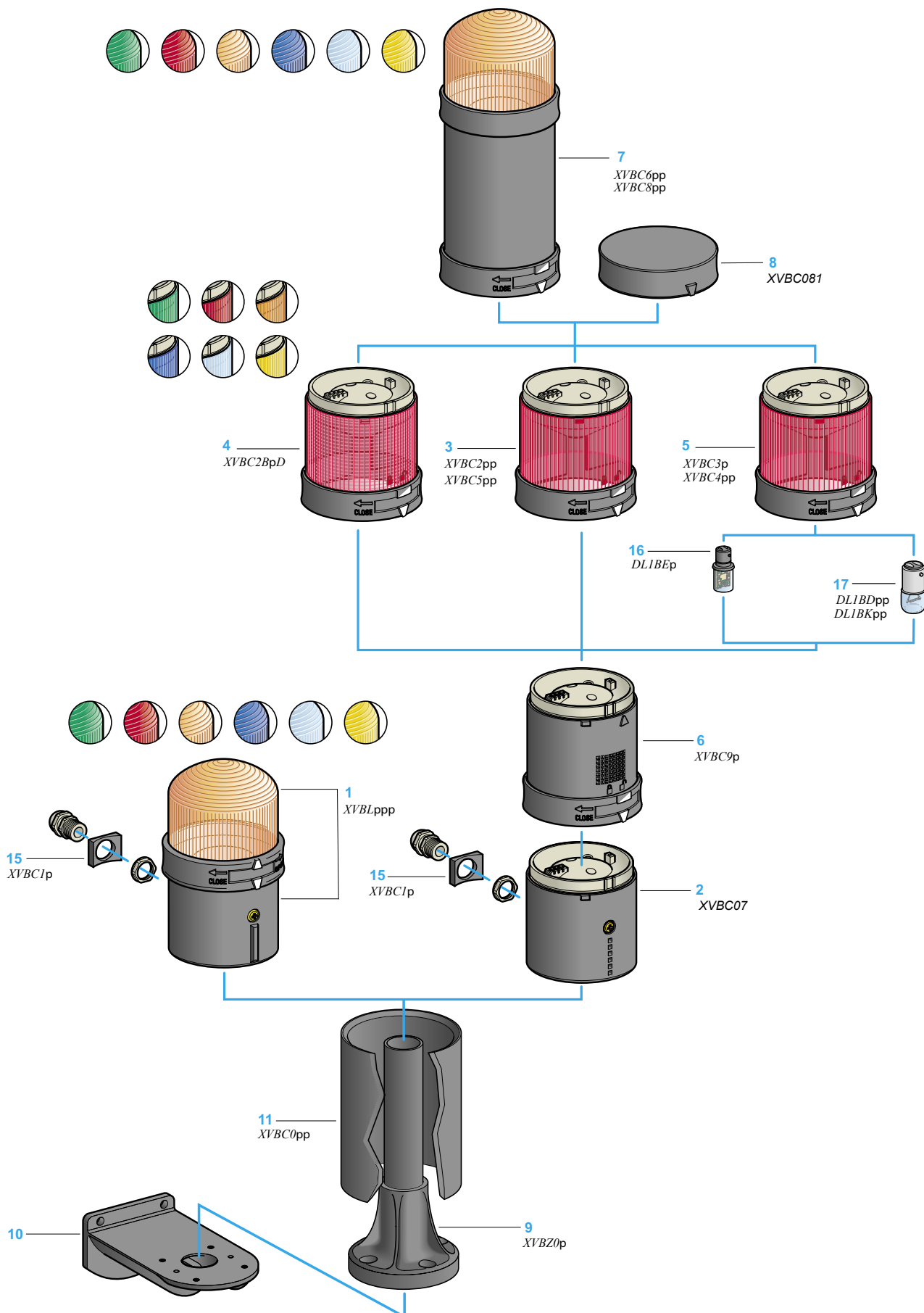
Modular tower lights	Rotating beacons	Beacons	Sound solutions
  			
Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 5 units	Pre-cabled rotating beacons Pre-cabled motor-less rotating/flashing beacons	Complete miniature beacons	Sirens and electronic alarms
Ø 45 mm/1.772 in.	Ø 84 mm/3.31 in. to Ø 130 mm/5.12 in.	Ø 45 mm/1.772 in.	–
IP 54 in vertical position (XVM with plastic fixing plate) IP 42 in horizontal position (XVM with metal bracket) IP 40 in other positions (all types of XVM tower lights)	Ø 84 mm/3.31 in. and Ø 106 mm/4.17 in.: IP 23 (IP 65 with accessory) Ø 120 mm/4.72 in.: IP 23 Ø 130 mm/5.12 in.: IP 66 and IP 67 (depending on voltage) Ø 100 mm/3.94 in.: IP 65 for upright position, IP 23 for sideway and inverted position	IP 40	IP 53 (sirens) IP 54 (electronic alarms) IP 65 (editable voice)
Yes	Yes	Yes	–
Yes	–	–	–
–	–	–	–
Yes	–	Yes	–
Yes	Yes	–	Yes (editable voice)
Yes	–	Yes	–
Yes	"Super Bright"	–	–
–	–	–	–
Yes	–	Yes	–
–	Yes	–	–
<input type="checkbox"/> Red <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue	<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear <input type="checkbox"/> Yellow	–
Flying leads, length 300 mm/11.81 in. or screw terminals	Flying leads, length 400 mm/15.75 in. (except XVR08: 500 mm/19.68 in.)	Screw clamp terminals	Screw clamp terminals (except XVS14: flying leads, length 500 mm/19.68 in.)
Mounting on bracket: 2 x Ø 9 mm/0.354 in. Mounting on support tube: 4 x Ø 5.5 mm/0.217 in. or M5	Depending on model: – XVR08 (Ø 84 mm/3.31 in.): 3 x Ø 5 mm/0.197 in. – XVR10 (Ø 106 mm/4.17 in.): 3 x Ø 5 mm/0.197 in. – XVR12 (Ø 120 mm/4.72 in.): 3 x Ø 6 mm/0.236 in. – XVR13 (Ø 130 mm/5.12 in.): 3 x Ø 9 mm/0.354 in. – XVR13●●●L (Ø 130 mm/5.12 in.): 3 x Ø 7 mm/0.276 in. – XVR3 (Ø 100 mm/3.94 in.): 3 x Ø 6 mm/0.236 in.	3 x Ø 3.3 mm/0.130 in. or M3	3 x Ø 6.5 mm/0.256 in.
XVM	XVR	XVDLS	XVS

Signaling Units

Modular tower lights

Harmony® type XVB Ø 70

Illuminated beacons, tower lights for customer assembly
(up to 5 units)



Signaling Units

Modular tower lights

Harmony type XVB Ø 70

Illuminated beacons, tower lights for customer assembly
(up to 5 units)

Presentation

The beacons and tower lights of the Harmony XVB range are visual or audible signaling units used for indicating, throughout 360° and at a distance, the various states or operation sequences of a machine or installation. Examples: start, stop machine, no material, call technical staff, fault signaling, etc.

Complete illuminated beacon XVB

Readily assembled 1 with a single illuminated signaling unit:

- v steady light (with incandescent bulb or LED),
- v flashing light (with incandescent bulb or LED),
- v or "flash" (with discharge tube).

The XVB beacons comprise:

- b A base unit with a removable terminal block and a bottom or side cable entry.
- b One colored illuminated unit (green, red, orange, blue, clear or yellow).

Customer assembled tower light XVC

Variable composition of 1 to 5 illuminated or audible units that are supplied as separate items for customer assembly. Maximum configuration: 5 units or 4 units + 1 "flash" unit.

The XVC tower lights comprise:

- b A base unit with a removable terminal block and bottom or side cable entry 2.
- b 1 to 5 colored illuminated units (green, red, orange, blue, clear or yellow):
 - v with integral LED 3,
 - v with integral LED and diffuser 4 (1),
 - v for incandescent bulbs or base mounted LEDs 5.
- b 1 or 2 audible units 6.
- b A maximum of 1 "flash" discharge unit (5 Joule or 10 Joule) 7, for mounting on top of the bank.
- b A top cover 8 (except when using a "flash" discharge tube).
- b The illuminated or audible units stack vertically and are easily locked and unlocked using an integral clamping ring. Electrical connections between each unit are made automatically.
- b A light diffuser, pre-fitted in illuminated units XVC2BpD with a base mounted LED, distributes the light evenly over the lens surface. When using the modular tower lights in bright ambient light conditions, remove the diffuser to improve contrast.
- b Connection on the AS-Interface cabling system is possible by ordering a dedicated base unit. For more information on AS-Interface, please see our website www.schneider-electric.com.

Accessories for beacons XVB and tower lights XVC

- b Fixing base comprising a support tube glued into a plastic fixing plate, for a height beneath the base unit of 80, 380 or 780 mm 9.
- b Fixing plate for mounting on vertical support 10.
- b Support tube concealment cover, height 100, 400 or 800 mm 11.
- b Adaptor and 13P cable gland 15.
- b Base mounted LED 16 or incandescent bulb 17 (2).

Mounting, protection and conformity to standards

- b Base unit fixed directly onto a panel using 2 screws (IP 66 protection).
- b Fixed using a fixing base comprising of an aluminium support tube glued into a plastic fixing plate (IP 65 protection).
- b Conformity to EN/IEC 60947-5-1 standard.
- b Product certified UL, CSA, CCC, CE, UKCA and EAC.

Cabling

By means of removable terminal block incorporated in base unit (simplified wiring). The screw and captive cable clamp terminals are protected to prevent any accidental contact with live parts.

(1) These enable the position of the various units (illuminated or audible) to be identified in the event of dismantling the bank.

(2) **Warning:** illuminated units with incandescent bulbs must not be combined with LED illuminated units, due to the risk of overheating. Also, when different units (e.g. steady, flashing) are combined, the maximum temperature is limited to that of the weaker unit.

(3) The diffuser can only be used with LED illuminated units. Not compatible with units fitted with an incandescent bulb or "flash" discharge tube.

Signaling Units

Modular tower lights

Harmony® type XVBL Ø 70

Illuminated beacons for incandescent bulbs or LEDs
(BA 15d base fitting)


XVBL33
XVBL4p3



XVBL34
XVBL4p4



XVBL35
XVBL4p5



XVBL36
XVBL4p6



XVBL37
XVBL4p7



XVBL38
XVBL4p8

Illuminated beacons with steady light signaling

Description	Light source, to be ordered separately (1)	Color	Reference	Weight kg
Complete unit comprising: - 1 illuminated unit - 1 base unit for direct fixing (IP 66) or tube fixing (IP 65)	Incandescent bulb 7 W max. 250 V max.	Green	XVBL33	0.260/ 0.573
		Red	XVBL34	0.260/ 0.573
		Orange	XVBL35	0.260/ 0.573
		Blue	XVBL36	0.260/ 0.573
		Clear	XVBL37	0.260/ 0.573
		Yellow	XVBL38	0.260/ 0.573

Illuminated beacons with integral flashing light signaling

Description	Light source, to be ordered separately (1)	Color	Reference	Weight kg
Complete unit comprising: - 1 illuminated unit - 1 base unit for direct fixing (IP 66) or tube fixing (IP 65)	Incandescent bulb 7 W max. a 24 V c 24...48 V	Green	XVBL4B3	0.280/ 0.617
		Red	XVBL4B4	0.280/ 0.617
		Orange	XVBL4B5	0.280/ 0.617
		Blue	XVBL4B6	0.280/ 0.617
		Yellow	XVBL4B8	0.280/ 0.617
	Incandescent bulb 7 W max. a 48...230 V	Red	XVBL4M4	0.280/ 0.617
		Orange	XVBL4M5	0.280/ 0.617

(1) Incandescent bulbs and LEDs, see page 35081/9.

Signaling Units

Modular tower lights

Harmony® type XVBL Ø 70

Illuminated beacons with LED light source



XVBL0p3
XVBL1p3



XVBL0p4
XVBL1p4



XVBL0p5
XVBL1p5



XVBL0p6
XVBL1p6



XVBL0p7
XVBL1p7



XVBL0p8
XVBL1p8

Illuminated beacons with steady light signaling

Description	Light source	Color	Reference	Weight kg
Complete unit comprising: - 1 illuminated unit - 1 base unit for direct fixing (IP 66) or tube fixing (IP 65)	LED, included z 24 V	Green	XVBL0B3	0.270/ 0.595
		Red	XVBL0B4	0.270/ 0.595
		Orange	XVBL0B5	0.270/ 0.595
		Blue	XVBL0B6	0.270/ 0.595
		Clear	XVBL0B7	0.270/ 0.595
		Yellow	XVBL0B8	0.270/ 0.595
		Green	XVBL0G3	0.270/ 0.595
		Red	XVBL0G4	0.270/ 0.595
	LED, included a 120 V	Green	XVBL0M3	0.270/ 0.595
		Red	XVBL0M4	0.270/ 0.595
		Orange	XVBL0M5	0.270/ 0.595
		Blue	XVBL0M6	0.270/ 0.595
		Clear	XVBL0M7	0.270/ 0.595
		Yellow	XVBL0M8	0.270/ 0.595

Protected[®]
LED

Illuminated beacons with integral flashing light signaling

Description	Light source	Color	Reference	Weight kg
Complete unit comprising: - 1 illuminated unit - 1 base unit for direct fixing (IP 66) or tube fixing (IP 65)	LED, included z 24 V	Green	XVBL1B3	0.280/ 0.617
		Red	XVBL1B4	0.280/ 0.617
		Orange	XVBL1B5	0.280/ 0.617
		Blue	XVBL1B6	0.280/ 0.617
		Yellow	XVBL1B8	0.280/ 0.617
		Red	XVBL1G4	0.280/ 0.617
	LED, included a 120 V	Green	XVBL1M3	0.280/ 0.617
		Red	XVBL1M4	0.280/ 0.617
		Orange	XVBL1M5	0.280/ 0.617
		Blue	XVBL1M6	0.280/ 0.617
		Yellow	XVBL1M8	0.280/ 0.617
		Yellow	XVBL1M8	0.280/ 0.617

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LED

Signaling Units

Modular tower lights

Harmony® type XVBL Ø 70

Illuminated beacons with “flash” discharge tube



XVBL6p3
XVBL8p3



XVBL6p4
XVBL8p4



XVBL6p5
XVBL8p5



XVBL6p6
XVBL8p6



XVBL6p7
XVBL8p7



XVBL6p8
XVBL8p8

Illuminated beacons with 5 Joule “flash” discharge tube

Description	Light source	Color	Reference	Weight kg
Complete unit comprising: - 1 illuminated unit - 1 base unit for direct fixing (IP 66) or tube fixing (IP 65)	Integral “flash” discharge tube z 24 V	Green	XVBL6B3	0.440/ 0.970
		Red	XVBL6B4	0.440/ 0.970
		Orange	XVBL6B5	0.440/ 0.970
		Blue	XVBL6B6	0.440/ 0.970
		Clear	XVBL6B7	0.440/ 0.970
		Yellow	XVBL6B8	0.440/ 0.970
	Integral “flash” discharge tube a 120 V	Red	XVBL6G4	0.425/ 0.937
		Orange	XVBL6G5	0.425/ 0.937
	Integral “flash” discharge tube a 230 V	Red	XVBL6M4	0.435/ 0.959
		Orange	XVBL6M5	0.435/ 0.959

Illuminated beacons with 10 Joule “flash” discharge tube

Description	Light source	Color	Reference	Weight kg
Complete unit comprising: - 1 illuminated unit - 1 base unit for direct fixing (IP 66) or tube fixing (IP 65)	Integral “flash” discharge tube z 24 V	Red	XVBL8B4	0.450/ 0.992
		Orange	XVBL8B5	0.450/ 0.992
		Blue	XVBL8B6	0.450/ 0.992
		Clear	XVBL8B7	0.450/ 0.992
		Yellow	XVBL8B8	0.450/ 0.992
	Integral “flash” discharge tube a 120 V	Red	XVBL8G4	0.460/ 1.014
		Orange	XVBL8G5	0.460/ 1.014
		Blue	XVBL8G6	0.460/ 1.014
		Yellow	XVBL8G8	0.460/ 1.014
	Integral “flash” discharge tube a 230 V	Red	XVBL8M4	0.460/ 1.014
		Orange	XVBL8M5	0.460/ 1.014

For use with base unit XVBCpp: see page 35081/8

Signaling Units

Modular tower lights

Harmony® type XVBC Ø 70

Tower lights for customer assembly (up to 5 units)

Illuminated units for incandescent bulbs or LEDs (BA 15d base fitting)



XVBC33
XVBC4p3



XVBC34
XVBC4p4



XVBC35
XVBC4p5



XVBC36
XVBC4p6



XVBC37
XVBC4p7



XVBC38
XVBC4p8

Illuminated units with steady light signaling

Description	Light source, to be ordered separately (1)	Color	Reference	Weight kg
Illuminated units	Incandescent bulb 7 W max. 250 V max. or LED	Green	XVBC33	0.140/ 0.309
		Red	XVBC34	0.140/ 0.309
		Orange	XVBC35	0.140/ 0.309
		Blue	XVBC36	0.140/ 0.309
		Clear	XVBC37	0.140/ 0.309
		Yellow	XVBC38	0.140/ 0.309

Illuminated units with integral flashing light signaling

Description	Light source, to be ordered separately (1)	Color	Reference	Weight kg
Illuminated units	Incandescent bulb 7 W max. a 24 V c 24...48 V or LED	Green	XVBC4B3	0.160/ 0.353
		Red	XVBC4B4	0.160/ 0.353
		Orange	XVBC4B5	0.160/ 0.353
		Blue	XVBC4B6	0.160/ 0.353
		Clear	XVBC4B7	0.160/ 0.353
		Yellow	XVBC4B8	0.160/ 0.353
	Incandescent bulb 7 W max. a 48...230 V or LED	Green	XVBC4M3	0.160/ 0.353
		Red	XVBC4M4	0.160/ 0.353
		Orange	XVBC4M5	0.160/ 0.353
		Blue	XVBC4M6	0.160/ 0.353
		Clear	XVBC4M7	0.160/ 0.353
		Yellow	XVBC4M8	0.160/ 0.353

(1) Incandescent bulbs and LEDs, see page 35081/9.

Signaling Units

Modular tower lights

Harmony® type XVBC Ø 70

Tower lights for customer assembly (up to 5 units)

Illuminated units with integral LED

For use with base unit XVBCpp: see page 35081/8



XVBC2p3
XVBC5p3



XVBC2p4
XVBC5p4



XVBC2p5
XVBC5p5



XVBC2p6
XVBC5p6



XVBC2p7
XVBC5p7



XVBC2p8
XVBC5p8

Protected
LED

Illuminated units with steady light signaling

Description	Voltage	Color	Reference	Weight kg
Illuminated units with integral LED	z 24 V	Green	XVBC2B3 (1)	0.150/ 0.331
		Red	XVBC2B4 (1)	0.150/ 0.331
		Orange	XVBC2B5 (1)	0.150/ 0.331
		Blue	XVBC2B6 (1)	0.150/ 0.331
		Clear	XVBC2B7 (1)	0.150/ 0.331
		Yellow	XVBC2B8 (1)	0.150/ 0.331
	a 120 V	Green	XVBC2G3	0.150/ 0.331
		Red	XVBC2G4	0.150/ 0.331
		Orange	XVBC2G5	0.150/ 0.331
		Blue	XVBC2G6	0.150/ 0.331
		Clear	XVBC2G7	0.150/ 0.331
		Yellow	XVBC2G8	0.150/ 0.331
	a 230 V	Green	XVBC2M3	0.150/ 0.331
		Red	XVBC2M4	0.150/ 0.331
		Orange	XVBC2M5	0.150/ 0.331
		Blue	XVBC2M6	0.150/ 0.331
		Clear	XVBC2M7	0.150/ 0.331
		Yellow	XVBC2M8	0.150/ 0.331

Illuminated units with integral flashing light signaling

Description	Voltage	Color	Reference	Weight kg
Illuminated units with integral LED	z 24 V	Green	XVBC5B3	0.170/ 0.375
		Red	XVBC5B4	0.170/ 0.375
		Orange	XVBC5B5	0.170/ 0.375
		Blue	XVBC5B6	0.170/ 0.375
		Clear	XVBC5B7	0.170/ 0.375
		Yellow	XVBC5B8	0.170/ 0.375
	a 120 V	Red	XVBC5G4	0.170/ 0.375
		Orange	XVBC5G5	0.170/ 0.375
	a 230 V	Green	XVBC5M3	0.170/ 0.375
		Red	XVBC5M4	0.170/ 0.375
		Orange	XVBC5M5	0.170/ 0.375
		Blue	XVBC5M6	0.170/ 0.375
		Clear	XVBC5M7	0.170/ 0.375
		Yellow	XVBC5M8	0.170/ 0.375

Protected
LED

(1) To order an illuminated unit with integral LED pre-fitted with light diffuser XVBZ18, add the letter "D" to the end of the reference. Example: XVBC2B3D.

Signaling Units

Modular tower lights

Harmony® type XVBC Ø 70

Tower lights for customer assembly (up to 5 units)

Illuminated units with integral “flash” discharge tube

For use with base unit XVBCpp: see page 35081/8



XVBC6p3
XVBC8p3



XVBC6p4
XVBC8p4



XVBC6p5
XVBC8p5



XVBC6p6
XVBC8p6



XVBC6p7
XVBC8p7



XVBC6p8
XVBC8p8

Illuminated units with 5 Joule “flash” discharge tube ⁽¹⁾

Description	Light source	Color	Reference	Weight kg
Illuminated units	Integral “flash” discharge tube z 24 V	Green	XVBC6B3	0.295/ 0.650
		Red	XVBC6B4	0.295/ 0.650
		Orange	XVBC6B5	0.295/ 0.650
		Blue	XVBC6B6	0.295/ 0.650
		Clear	XVBC6B7	0.295/ 0.650
		Yellow	XVBC6B8	0.295/ 0.650
	Integral “flash” discharge tube a 120 V	Red	XVBC6G4	0.280/ 0.617
		Orange	XVBC6G5	0.280/ 0.617
		Yellow	XVBC6G8	0.280/ 0.617
	Integral “flash” discharge tube a 230 V	Green	XVBC6M3	0.290/ 0.639
		Red	XVBC6M4	0.290/ 0.639
		Orange	XVBC6M5	0.290/ 0.639
		Blue	XVBC6M6	0.290/ 0.639
		Clear	XVBC6M7	0.290/ 0.639
		Yellow	XVBC6M8	0.290/ 0.639

Illuminated units with 10 Joule “flash” discharge tube ⁽¹⁾

Description	Light source	Color	Reference	Weight kg
Illuminated units	Integral “flash” discharge tube z 24 V	Green	XVBC8B3	0.305/ 0.672
		Red	XVBC8B4	0.305/ 0.672
		Orange	XVBC8B5	0.305/ 0.672
		Blue	XVBC8B6	0.305/ 0.672
		Clear	XVBC8B7	0.305/ 0.672
		Yellow	XVBC8B8	0.305/ 0.672
	Integral “flash” discharge tube z 48 V	Orange	XVBC8E5	0.315/ 0.694
	Integral “flash” discharge tube a 120 V	Red	XVBC8G4	0.315/ 0.694
		Orange	XVBC8G5	0.315/ 0.694
		Blue	XVBC8G6	0.315/ 0.694
		Yellow	XVBC8G8	0.315/ 0.694
	Integral “flash” discharge tube a 230 V	Red	XVBC8M4	0.315/ 0.694
		Orange	XVBC8M5	0.315/ 0.694
		Blue	XVBC8M6	0.315/ 0.694
		Clear	XVBC8M7	0.315/ 0.694
		Yellow	XVBC8M8	0.315/ 0.694

(1) **Warning:** illuminated units with a “flash” discharge tube are not suitable for steady light signaling due to the heat generated.

Signaling Units

Modular tower lights

Harmony® type XVBC Ø 70

Tower lights for customer assembly (up to 5 units)

Audible units, base units, cover, accessories



XVBC9p



XVBC21



XVBC07



XVBC081



XVBC14

Audible units			
Description	Characteristics	Reference	Weight kg
Buzzer, 90 dB at 1 m Adjustable with microswitch: - from 70 to 90 dB - continuous or intermittent tone	z 12...48 V a 120...230 V	XVBC9B XVBC9M	0.170/ 0.375 0.180/ 0.397

Base units - for direct (IP 66) or tube fixing				
Description	For use with	Type	Reference	Weight kg
Base unit + cover with bottom or side cable entry	Modular tower lights without "flash" discharge tube unit	Standard	XVBC21	0.190/ 0.419
Base unit only with bottom or side cable entry	Modular tower lights with "flash" discharge tube unit	Standard	XVBC07	0.160/ 0.353
Base unit + cover with side cable entry	All types of modular tower lights	AS-Interface (1)	XVBC21A	—
Base unit + cover with bottom entry, pre-cabled (length 1 m) and fitted with M12 end connector	All types of modular tower lights	AS-Interface (1)	XVBC21B	—

Accessories specific to tower lights XVBC			
Description	Application	Unit reference	Weight kg
Cover only	For use with XVBC2, XVBC3, XVBC4, XVBC5 and XVBC9	XVBC081	0.030/ 0.066
Adaptor for side entry through base unit	With 13P cable gland	XVBC14	0.015/ 0.033

(1) For further information on AS-Interface connections, refer to our "Industrial communication in machines and installations" catalog.

Signaling Units

Modular tower lights

Harmony® type XVB Ø 70

Illuminated beacons, tower lights for customer assembly
(up to 5 units)



XVBZ02

XVBZ03/Z04



XVBC020



XVBZ01



XVUZ12

Accessories common to beacons XVB and tower lights XVB

Description	Height under base unit (mm)	Color	Reference	Weight kg
Fixing bases comprising Ø 25 mm aluminium support tube glued into a black plastic fixing plate (IP 65)	80	Black aluminium	XVBZ02	0.110/ 0.242
		Aluminium	XVBZ02A	0.110/ 0.242
	380	Black aluminium	XVBZ03	0.200/ 0.441
		Aluminium	XVBZ03A	0.200/ 0.441
	780	Black aluminium	XVBZ04	0.325/ 0.716
		Aluminium	XVBZ04A	0.325/ 0.716

Description	For use with	Material	Reference	Weight kg
Support tube concealment cover	Support tubes XVBZ02, XVBZ02A	ABS	XVBC020	0.080
	Support tubes XVBZ03, XVBZ03A	ABS	XVBC030	0.305
Fixing plate for use on horizontal support	Ø 25 mm aluminium support tube	Plastic	XVBZ01	0.050
Fixing plate for use on vertical support	Base unit (direct mounting), fixing plate XVBZ01 or fixing bases XVBZ0p	Zamak	XVUZ12	0.380

(1) **Warning:** illuminated units with incandescent bulbs must not be combined with LED illuminated units, due to the risk of overheating. Also, when different units (e.g. steady, flashing...) are combined, the maximum temperature is limited to that of the weaker unit.

Signaling Units

Modular tower lights

Harmony® type XVB Ø 70

Illuminated beacons, tower lights for customer assembly
(up to 5 units)

Accessories common to beacons XVBL and tower lights XVBC

Description	Characteristics		Sold in lots of	Unit reference	Weight kg
Incandescent bulbs (1) BA 15d base fitting	12 V	7 W	10	DL1BEJ	0.090
	24 V	6.5 W	10	DL1BEB	0.090
	48 V	6 W	10	DL1BEE	0.090
	120 V	7 W	10	DL1BEG	0.090
	230 V	7 W	10	DL1BEM	0.090
LEDs (1) BA 15d base fitting Protected[®] LED	z 24 V	White	1	DL1BDB1	0.015
		Green	1	DL1BDB3	0.015
		Red	1	DL1BDB4	0.015
		Orange	1	DL1BDB5	0.015
		Blue	1	DL1BDB6	0.015
		Yellow	1	DL1BDB8	0.015
	a 120 V	White	1	DL1BDG1	0.015
		Green	1	DL1BDG3	0.015
		Red	1	DL1BDG4	0.015
		Orange	1	DL1BDG5	0.015
		Blue	1	DL1BDG6	0.015
		Yellow	1	DL1BDG8	0.015
	a 230 V	White	1	DL1BDM1	0.015
		Green	1	DL1BDM3	0.015
		Red	1	DL1BDM4	0.015
		Orange	1	DL1BDM5	0.015
		Blue	1	DL1BDM6	0.015
		Yellow	1	DL1BDM8	0.015
Flashing LEDs (1) BA 15d base fitting Protected[®] LED	z 24 V	White	1	DL1BKB1	0.015
		Green	1	DL1BKB3	0.015
		Red	1	DL1BKB4	0.015
		Orange	1	DL1BKB5	0.015
		Blue	1	DL1BKB6	0.015
		Yellow	1	DL1BKB8	0.015
	a 120 V	Red	1	DL1BKG4	0.015
	a 230 V	White	1	DL1BKM1	0.015
		Green	1	DL1BKM3	0.015
		Red	1	DL1BKM4	0.015

(1) **Warning:** illuminated units with incandescent bulbs must not be combined with LED illuminated units, due to the risk of overheating. Also, when different units (e.g. steady, flashing...) are combined, the maximum temperature is limited to that of the weaker unit.



DL1Bpp



DL1BDpp/DL1BKpp

D							
DL1BDB1	19	XVBC2G4	15	XVBC6G5	17	XVBL1M8	12
DL1BDB3	19	XVBC2G5	15	XVBC6G8	17	XVBL33	11
DL1BDB4	19	XVBC2G6	15	XVBC6M3	17	XVBL34	11
DL1BDB5	19	XVBC2G7	15	XVBC6M4	17	XVBL35	11
DL1BDB6	19	XVBC2G8	15	XVBC6M5	17	XVBL36	11
DL1BDB8	19	XVBC2M3	15	XVBC6M6	17	XVBL37	11
DL1BDG1	19	XVBC2M4	15	XVBC6M7	17	XVBL38	11
DL1BDG3	19	XVBC2M5	15	XVBC6M8	17	XVBL4B3	11
DL1BDG4	19	XVBC2M6	15	XVBC8B3	17	XVBL4B4	11
DL1BDG5	19	XVBC2M7	15	XVBC8B4	17	XVBL4B5	11
DL1BDG6	19	XVBC2M8	15	XVBC8B5	17	XVBL4B6	11
DL1BDG8	19	XVBC33	14	XVBC8B6	17	XVBL4B8	11
DL1BDM1	19	XVBC34	14	XVBC8B7	17	XVBL4M4	11
DL1BDM3	19	XVBC35	14	XVBC8B8	17	XVBL4M5	11
DL1BDM4	19	XVBC36	14	XVBC8E5	17	XVBL6B3	13
DL1BDM5	19	XVBC37	14	XVBC8G4	17	XVBL6B4	13
DL1BDM6	19	XVBC38	14	XVBC8G5	17	XVBL6B5	13
DL1BDM8	19	XVBC4B3	14	XVBC8G6	17	XVBL6B6	13
DL1BEB	19	XVBC4B4	14	XVBC8G8	17	XVBL6B7	13
DL1BEE	19	XVBC4B5	14	XVBC8M4	17	XVBL6B8	13
DL1BEG	19	XVBC4B6	14	XVBC8M5	17	XVBL6G4	13
DL1BEJ	19	XVBC4B7	14	XVBC8M6	17	XVBL6G5	13
DL1BEM	19	XVBC4B8	14	XVBC8M7	17	XVBL6M4	13
DL1BKB1	19	XVBC4M3	14	XVBC8M8	17	XVBL6M5	13
DL1BKB3	19	XVBC4M4	14	XVBC9B	17	XVBL8B4	13
DL1BKB4	19	XVBC4M5	14	XVBC9M	17	XVBL8B5	13
DL1BKB5	19	XVBC4M6	14	XVBL0B3	12	XVBL8B6	13
DL1BKB6	19	XVBC4M7	14	XVBL0B4	12	XVBL8B7	13
DL1BKB8	19	XVBC4M8	14	XVBL0B5	12	XVBL8B8	13
DL1BKG4	19	XVBC5B3	15	XVBL0B6	12	XVBL8G4	13
DL1BKM1	19	XVBC5B4	15	XVBL0B7	12	XVBL8G5	13
DL1BKM3	19	XVBC5B5	15	XVBL0B8	12	XVBL8G6	13
DL1BKM4	19	XVBC5B6	15	XVBL0G3	12	XVBL8G8	13
X		XVBC5B7	15	XVBL0G4	12	XVBL8M4	13
XVBC020	18	XVBC5B8	15	XVBL0M3	12	XVBL8M5	13
XVBC030	18	XVBC5G4	15	XVBL0M4	12	XVBZ01	18
XVBC07	17	XVBC5G5	15	XVBL0M5	12	XVBZ02	18
XVBC081	17	XVBC5M3	15	XVBL0M6	12	XVBZ02A	18
XVBC17	17	XVBC5M4	15	XVBL0M7	12	XVBZ03	18
XVBC21	17	XVBC5M5	15	XVBL0M8	12	XVBZ03A	18
XVBC21A	17	XVBC5M6	15	XVBL1B3	12	XVBZ04	18
XVBC21B	17	XVBC5M7	15	XVBL1B4	12	XVBZ04A	18
XVBC2B3	15	XVBC5M8	15	XVBL1B5	12	XVUZ15	18
XVBC2B4	15	XVBC6B3	17	XVBL1B6	12		
XVBC2B5	15	XVBC6B4	17	XVBL1B8	12		
XVBC2B6	15	XVBC6B5	17	XVBL1G4	12		
XVBC2B7	15	XVBC6B6	17	XVBL1M3	12		
XVBC2B8	15	XVBC6B7	17	XVBL1M4	12		
XVBC2G3	15	XVBC6B8	17	XVBL1M5	12		
		XVBC6G4	17	XVBL1M6	12		



Harmony XVU

modular tower lights

Harmony XVU modular tower light with innovative features

The Harmony XVU modular range of tower lights are 360° pilot lights and commonly used signaling product for a wide range of applications. These tower lights are visual and audible signaling units that comes with a combination of innovative features, high performance and simplicity.

High performance light

- > True color and homogeneity light
- > Improved visibility
- > LED super-bright flash with long life performance



The mix of homogeneity light and true color improves the aesthetic of the tower light



Customized voice message

- > A free of charge configuration software allows to customize the audible signals via SD card
- > The sound unit plays voice message when customer inputs PLC signals
- > Adjustable volume up to 86dB at 1m/3.281 ft

Playlist Builder
V1.0.0



Configuration of audible signal via Playlist Builder software



Innovation

> These tower lights offer innovative features with:

Multi-color LED unit

> Multi-color LED unit with a choice of six colors and four light patterns



Height adjustable pole mounting

> Pole mounting with height adjustable tube allowing the adjustment of the column height without any tools



Flexible mounting unit

> Flexible mounting unit for use on horizontal or vertical support



Pulse signal unit

> Pulse signal units use pulse signals in single wire to control the tower light



Homogeneity light and pure color



Addition of pulse signal unit to the existing range of Harmony XVU tower lights

Simplified wiring

- > Pulse signal units use one signal wire to define different types of signaling
- > Flexible and configurable light patterns
- > Up to 256 different combination of audible and visual signals
- > Up to 16 different combination of visual signals (color combination)
- > One pulse signal multi-color unit can be implemented instead of several single color illuminated units
- > Reduction in I/O wires to connect PLC with tower light



Aesthetic design

- > Available in black and metallic silver body
- > Reduced diameter (Ø 60 mm/2.362 in.) makes them suitable for small equipment
- > Aesthetic design distinguishes them from other tower lights



Stylish design available in Black and metallic Silver body



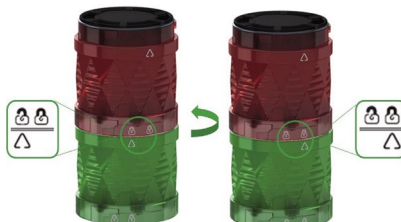
Pulse signal unit enables up to 75% reduction in wiring

Simplicity

- > Simple and easy assembly without use of any tools
- > Convenient mounting option with: direct mounting, pole mounting and three-in-one adjustable wall mounting



With the indicator marks, the units are simple and quick to assemble



Good resistance

- > Resistant to dust and water and are UL/CSA compliant
- > The illuminated units have IP 65 degree of protection, and are resistant to cutting oil
- > Audible units have IP 54 degree of protection

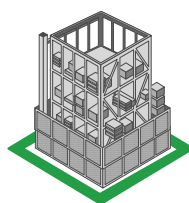
IP 65
IP 54

Degree of protection and compliance

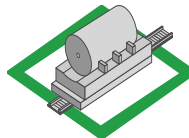


→ Industrial applications

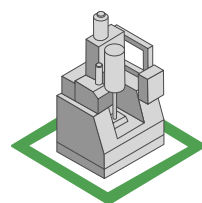
Ideally suited for automotive, machine tools, material handling and electronic equipment industry.



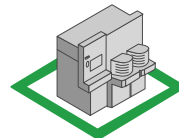
Automotive industry



Material handling



Machine tools



Electronic equipment

Harmony type XV

Monolithic tower lights



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 conforming 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		Multi-color LEDs (many possible combinations can be set with HMI) <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue	<input type="checkbox"/> Red <input type="checkbox"/> Green <input type="checkbox"/> Amber <input type="checkbox"/> 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 cut-out		Mounting on support tube with fixing plate: 4 x Ø 6 mm/0.236 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.197 in.	Base mounting: 3 x Ø5 mm/0.197 in. Direct aluminium tube mounting: Ø20/0.787 in. Aluminium tube mounting and "L" bracket: 2 x Ø9/0.354 in. Aluminium tube mounting and fixing plate: 4 x Ø6/0.236 in. Aluminium tube mounting and foldable bracket: 4 x Ø6/0.236 in.
Type references		XVGU	XVG



Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights
Ø 40 mm/1.575 in. IP 54 (flat surface installation) IP 23 (vertical surface installation)	Ø 60 mm/2.36 in. IP 54 (flat surface installation) IP 23 (vertical surface installation)	Ø 100 mm/3.937 in. IP 54 (flat surface installation)
Yes	Yes	Yes
Yes	Yes	Yes
–	–	–
With buzzer	With buzzer	With siren or buzzer
–	–	–
–	–	–
Yes	Yes	Yes
–	–	–
–	–	–
<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear
Flying leads, length 450 mm/17.71 in. to 900 mm/35.43 in. according to model	Flying leads, length 450 mm/17.71 in. to 850 mm/33.46 in. according to model	Flying leads, length 500 mm/19.68 in.
Mounting on support tube with bracket: 2 x Ø 9 mm/0.354 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.20 in. Other mounting possibilities with accessories	Mounting on support tube with bracket: 2 x Ø 11 mm/0.43 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.197 in. Other mounting possibilities with accessories	Direct mounting on horizontal support: - 3 x Ø 6 mm/0.236 in. (without siren) - 3 x Ø 7 mm/0.276 in. (with siren) Other mounting possibilities with accessories
XVC4	XVC6	XVC1

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 conforming 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		<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear <input type="checkbox"/> Yellow	<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> White <input type="checkbox"/> Yellow
Connection		Screw clamp terminals	Spring cage connection terminals
Support panel drilling or cut-out		Mounting on support tube: 4 x Ø 5.5 mm/0.217 in. or M5 Vertical mounting: 3 x Ø 5 mm/0.197 in. or M5 Direct mounting: 2 x Ø 4.5 mm/0.177 in. or M4	Mounting on support tube and adjustable support tube: 4 x Ø 6 mm/0.236 in. Flexible wall mounting: 3 x Ø 5 mm/0.197 in. Direct mounting: 2 x Ø 5 mm/0.197 in. 3 x Ø 5 mm/0.197 in. 4 x Ø 5 mm/0.197 in. Mounting on bracket: 2 x Ø 9 mm/0.354 in.
Type references		XVBL, XVBC	XVU



Rotating beacons



Beacons



Sound solutions

Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 5 units	Pre-cabled rotating beacons Pre-cabled motor-less rotating/flashing beacons	Complete miniature beacons	Sirens and electronic alarms
Ø 45 mm/1.772 in.	Ø 84 mm/3.31 in. to Ø 130 mm/5.12 in.	Ø 45 mm/1.772 in.	—
IP 54 in vertical position (XVM with plastic fixing plate) IP 42 in horizontal position (XVM with metal bracket) IP 40 in other positions (all types of XVM tower lights)	Ø 84 mm/3.31 in. and Ø 106 mm/4.17 in.: IP 23 (IP 65 with accessory) Ø 120 mm/4.72 in.: IP 23 Ø 130 mm/5.12 in.: IP 66 and IP 67 (depending on voltage) Ø 100 mm/3.94 in.: IP 65 for upright position, IP 23 for sideways and inverted position	IP 40	IP 53 (sirens) IP 54 (electronic alarms) IP 65 (editable voice)
Yes	Yes	Yes	—
Yes	—	—	—
—	—	—	—
Yes	—	Yes	—
Yes	Yes	—	Yes (editable voice)
Yes	—	Yes	—
Yes	"Super Bright"	—	—
—	—	—	—
Yes	—	Yes	—
—	Yes	—	—
<input type="checkbox"/> Red <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue	<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear <input type="checkbox"/> Yellow	—
Flying leads, length 300 mm/11.81 in. or screw terminals	Flying leads, length 400 mm/15.75 in. (except XVR08: 500 mm/19.68 in.)	Screw clamp terminals	Screw clamp terminals (except XVS14: flying leads, length 500 mm/19.68 in.)
Mounting on bracket: 2 x Ø 9 mm/0.354 in. Mounting on support tube: 4 x Ø 5.5 mm/0.217 in. or M5	Depending on model: - XVR08 (Ø 84 mm/3.31 in.): 3 x Ø 5 mm/0.197 in. - XVR10 (Ø 106 mm/4.17 in.): 3 x Ø 5 mm/0.197 in. - XVR12 (Ø 120 mm/4.72 in.): 3 x Ø 6 mm/0.236 in. - XVR13 (Ø 130 mm/5.12 in.): 3 x Ø 9 mm/0.354 in. - XVR13●●●L (Ø 130 mm/5.12 in.): 3 x Ø 7 mm/0.276 in. - XVR3 (Ø 100 mm/3.94 in.): 3 x Ø 6 mm/0.236 in.	3 x Ø 3.3 mm/0.130 in. or M3	3 x Ø 6.5 mm/0.256 in.
XVM	XVR	XVDLS	XVS

Signaling Units

Modular tower lights

Harmony type XVU Ø 60

Tower lights for customer assembly (up to 5 units)



XVU tower lights

Presentation

The Harmony XVU modular range of tower lights are visual and audible signaling units indicating various states, operation sequence or installation of a machine. Their reduced diameter (Ø 60 mm/2.362 in.) makes them suitable for use on small equipment and their aesthetic design distinguishes them from other tower lights. The availability of black and metallic silver body makes them ideal for use in automotive, machine tools, material handling and electronic equipment industry.

This range has an advantage of:

- b "Super bright" LED
- b Easy installation and mounting without use of any tools
- b Simple assembly due to the indicator marks on the units
- b Steady, blinking, flashing, high flashing random frequency or rotating multi-colored LED unit for energy-efficient high priority signaling (colors and light patterns can be selected using 2 dip switches on top of the unit)
- b Height adjustment tube that solves the need to adjust height of the tower light
- b Flexible mounting unit which supports various customer needs for installation (for use on horizontal or vertical support)
- b Power integrated base units with two voltage solutions (24 V z and 100 to 240 V a) which reduces the stock reference for LED units
- b High degree of protection against dust and water
- b 100% configurable sound
- b Innovative concept of controlling the tower light by sending pulse signals in single wire (1)

Illuminated LED units

The XVU range offers the following benefits for illuminated LED units:

- b The LED units are visible throughout 360°
- b Innovative mirror design of these units improve the brightness
- b Pure colors avoid confusion between colors
- b The "Super bright" LED technology consumes low power and has long life
- b Continuous usage of LEDs up to 40,000 operating hours (2)
- b Ultra brightness in 40° visualization
- b Homogenous light improves luminosity from side view
- b The mixture of homogenous light and pure color improves the aesthetics of tower light and machine
- b Polycarbonate lens material for better shock resistance

Mounting

- b Height adjustable tube with an adjustment from 210 to 385 mm/8.268 to 15.157 in., mounted on a fixing plate for use on a horizontal support
- b Flexible mounting option for use on horizontal or vertical support
- b Direct mounting solutions (with two, three and four screws foot print)

Signaling type

- b For illuminated units with green, red, orange, blue, and white color: steady, blinking or high flashing
- b For multi-color illuminated unit: steady, blinking, flashing (slow or fast) and rotating (slow or fast)
- b For audible unit:
 - v Buzzer, adjustable from 70 to 85 dB at 1m/3.281 ft (with 4 configurations of audible signal)
 - v Customized sound, from 0 to 86 dB at 1m/3.281 ft (with 4 channels dedicated to 4 illuminated units)
 - v Pulse signal editable sound from 0 to 86 dB at 1m/3.281 ft (16 channels can be controlled by PLC)

(1) Pulse signals used for signaling are defined using different pulse width following the principle of frequency-division multiplexing

(2) In normal conditions of use (in 25 °C/77 °F environment)

Signaling Units

Modular tower lights

Harmony type XVU Ø 60

Tower lights for customer assembly (up to 5 units)

Presentation (continued)

Environment

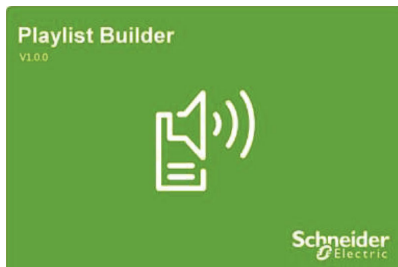
The performance features of the Harmony XVU range meet the following specifications:

b Degree of protection:

- v IP 65 for illuminated units
- v IP 54 for audible units
- v IP 55 for flexible mounting unit

b International standards:

- v The whole range conforms with EN/IEC 60947-5-1 standard



Playlist Builder configuration software window

Software configuration

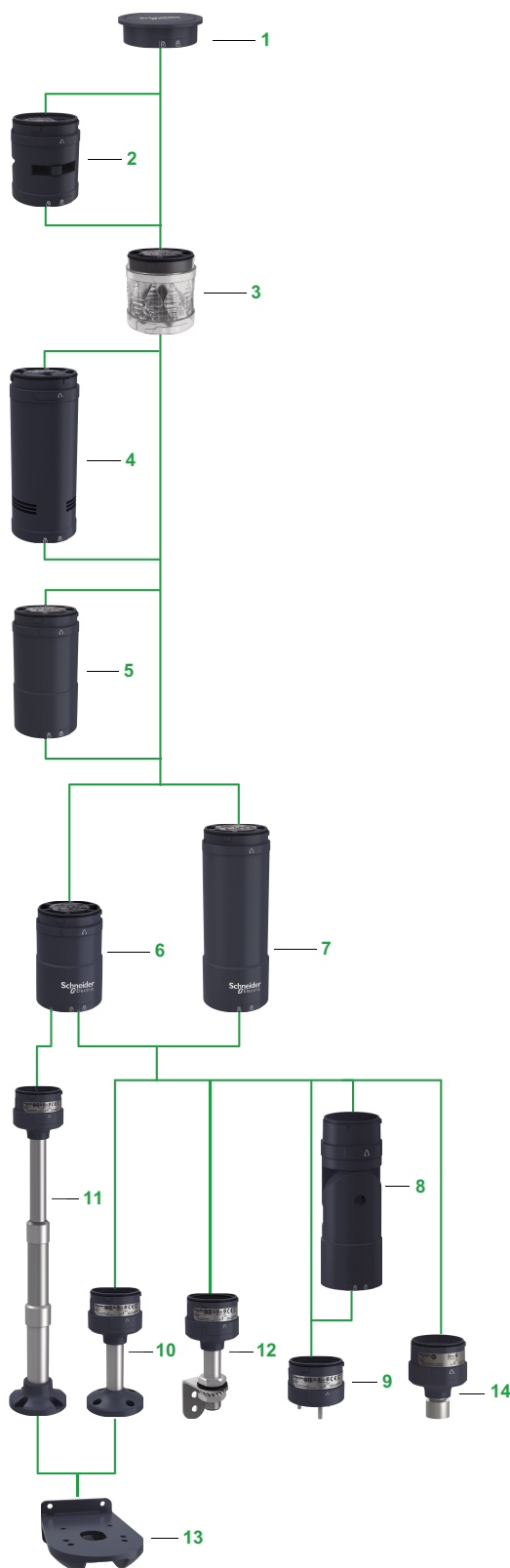
- b The "Playlist Builder" software is used to configure the signals of XVU audible units
- b This software can be downloaded from www.schneider-electric.com for free of charge
- b It is compatible with Windows XP and Windows 7 (recommended) operating system
- b It allows configuration of audible signals to be set on each 4 channels dedicated to 4 illuminated units

Signaling Units

Modular tower lights

Harmony type XVU Ø 60

Tower lights for customer assembly (up to 5 units)



Description

Tower lights

The XVU tower lights are customer assembled products comprising:

- 1 Top cover (black or silver)
- 2 Buzzer unit (black or silver) (1)
- 3 Illuminated units: (2)
 - 3.1 LED illuminated units with steady or blinking light signaling (colors: green, red, orange, blue, white, or yellow)
 - 3.2 Multi-color LED unit (colors: green, red, orange, blue, white, or yellow. Patterns: steady, blinking, flashing, or rotating)
 - 3.3 Pulse signal multi-color LED unit (colors: green, red, orange, or blue. Patterns: steady, blinking, flashing, or rotating) (3) (4)
 - 3.4 LED illuminated units with high flashing signaling (colors: green, red, orange, blue, white or yellow)
- 4 Sound units (5)
 - 4.1 Sound unit
 - 4.2 Sound unit, pulse signal (4)
- 5 Extender unit (black or silver)
- 6 Base unit, DC (black or silver)
- 7 Base unit, AC (black or silver)
- 8 Flexible mounting unit
- 9 Fixing unit, direct mounting (black or silver)
- 10 100 mm/3.927 in., 400 mm/15.748 in., or 800 mm/31.496 in. pole with integrated fixing plate (black or silver for 100 mm pole, and black for 400 mm and 800 mm pole)
- 11 Height adjustment pole from 210 to 385 mm/8.268 to 15.157 in. (6) with integrated fixing plate
- 12 100 mm/3.927 in., 250 mm/9.842 in., or 400 mm/15.748 in. pole with metal bracket (black)
- 13 Fixing plate for use on vertical support (black) (7)
- 14 ½" NPT conduit adapter for customer supplied tubing

Composition

- b XVU tower lights are customer assembled signaling units that are mounted vertically or horizontally with the support of a mounting accessory.
- b Maximum of 5 illuminated units or 4 illuminated units with 1 audible unit can be assembled. Among the illuminated units, maximum of 3 can be high flashing illuminated units.
- b With the indicator marks on these units they can be easily assembled.
- b Electrical connections between each unit are made automatically as they are mechanically assembled.
- b The signaling units are identical in size and their positioning is unrestricted.

Mounting

- b Horizontal mounting: Fixed into support panel with fixing plate using direct mounting plate, poles or height adjustment pole with integrated fixing plate
- b Vertical mounting: Fixed into support panel with fixing plate using pole with metal bracket or fixing plate for use on vertical support
- b Horizontal or vertical mounting: Fixed into support panel with fixing plate using flexible mounting unit
- b Fixing plate with aluminium 1/2" NPT adapter.

Cabling

By means of spring cage connection terminal block incorporated in mounting unit (Direct mounting plate, pole with plate, adjustment pole)

- (1) Always mounted on the top
- (2) Up to 5 LED illuminated units without sound unit; Up to 4 LED illuminated units with sound unit
- (3) Pulse signal multi-color LED unit cannot be combined with standard sound unit (XVUC9V)
- (4) Up to 4 illuminated and sound units when pulse signal technology is used
- (5) Sound unit can work without LED unit
- (6) Only for DC body unit
- (7) Compatible with XVUZ02, XVUZ02Q, XVUZ03, XVUZ400, XVUZ800, and XVUZ05
- (8) Sound unit cannot be combined with buzzer unit at the same time

Signaling Units

Modular tower lights

Harmony type XVU Ø 60

Tower lights for customer assembly (up to 5 units)

Illuminated units, high flash LED units



XVUC23
XVUC43



XVUC24
XVUC44



XVUC25
XVUC45



XVUC26
XVUC46



XVUC27
XVUC47



XVUC28
XVUC48



XVUC63



XVUC64



XVUC65



XVUC66



XVUC67



XVUC68



XVUC29
XVUC29P

Illuminated LED units: IP 65

Description	Signaling Type	Characteristics		Color	Reference	Weight kg/lb
		Voltage	Power			
High brightness LED units	Steady	24 V	2.5 W	Green	XVUC23	0.064/0.141
		24 V	2.0 W	Red	XVUC24	0.064/0.141
		24 V	2.0 W	Orange	XVUC25	0.064/0.141
		24 V	2.5 W	Blue	XVUC26	0.064/0.141
		24 V	2.5 W	White	XVUC27	0.064/0.141
		24 V	2.5 W	Yellow	XVUC28	0.064/0.141
	Blinking	24 V	1.2 W	Green	XVUC43	0.064/0.141
		24 V	0.9 W	Red	XVUC44	0.064/0.141
		24 V	0.9 W	Orange	XVUC45	0.064/0.141
		24 V	1.2 W	Blue	XVUC46	0.064/0.141
		24 V	1.2 W	White	XVUC47	0.064/0.141
		24 V	1.2 W	Yellow	XVUC48	0.064/0.141
High flashing	High flashing	24 V	2.9 W	Green	XVUC63	0.085/0.187
		24 V	2.8 W	Red	XVUC64	0.085/0.187
		24 V	2.9 W	Orange	XVUC65	0.085/0.187
		24 V	2.8 W	Blue	XVUC66	0.085/0.187
		24 V	2.8 W	White	XVUC67	0.085/0.187
		24 V	2.8 W	Yellow	XVUC68	0.085/0.187
		24 V	1.5 W	Multi-color (green, red, orange, blue, white, and yellow)	XVUC29	0.064/0.141
		24 V	1.7 W	Multi-color (green, red, orange, and blue)	XVUC29P	0.069/0.152

(1) 1 signal wire, 2 power wires. Adaptable for both NPN and PNP. Controlled by PLC dynamically.

Signaling Units

Modular tower lights

Harmony type XVU Ø 60

Tower lights for customer assembly (up to 5 units)

Audible and base units



XVUC9S



XVUC9SQ



XVUC9V



XVUC21BQ



XVUC21M

Audible units: IP 54

Description	Characteristics		Color	Reference	Weight kg/lb
	Voltage	Power			
Buzzer, adjustable 70...85 dB at 1 m/3.281 ft (4 configurations of audible signal)	24 V	1.7 W	Black	XVUC9S	0.077/0.170

Silver	XVUC9SQ	0.077/0.170
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Sound, adjustable 0...86 dB at 1m/3.281 ft (4 channels)	24 V	1.7 W	Black	XVUC9V	0.217/0.480
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Sound unit, pulse signal 0...86 dB at 1m/3.281 ft (16 channels) (1)	24 V	4.1 W	Black	XVUC9VP	0.219/0.483
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Base units: IP 65

Description	Voltage	Color	Reference	Weight kg/lb
Base unit with top cover (2)	24 V z	Black	XVUC21B	0.110/0.243

Silver	XVUC21BQ	0.110/0.243
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100 to 240 V a	Black	XVUC21M (3)	0.235/0.518
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Black	XVUC21MP (4)	0.235/0.518
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(1) 1 signal wire, 2 power wires. Adaptable for both NPN and PNP. 16 channels can be controlled by PLC.

(2) Direct mounting plate **XVUZ01p** needed for direct mounting

(3) NPN type

(4) PNP type

Signaling Units

Modular tower lights

Harmony type XVU Ø 60

Tower lights for customer assembly (up to 5 units)

Accessories



XVUC020



XVUZ01Q



XVUZ400



XVUZ05



XVUZ100T



XVUZ06



XVUZ12



XVUZ00

Accessories

Description	Voltage	Height of aluminium pole mm/in.	Color	Reference	Weight kg/lb
Body extender	24 V z	–	Black	XVUC020	0.093/0.205
Fixing unit, direct mounting	–	–	Black	XVUZ01 (2)	0.063/0.139
				XVUZ03 (1)	0.063/0.139
				XVUZ04 (3)	0.063/0.139
			Silver	XVUZ01Q (2)	0.063/0.139
Fixing plate with aluminium pole		100/3.927	Black	XVUZ02	0.132/0.291
		100/3.927	Silver	XVUZ02Q	0.132/0.291
		400/15.748	Black	XVUZ400	0.236/0.520
		800/31.496	Black	XVUZ800	0.430/0.945
Fixing plate with height adjustment aluminium pole(4)		210 to 385/ 8.268 to 15.157	Black	XVUZ05	0.253/0.558
Flexible mounting unit for use on horizontal or vertical support, IP 55	–	–	Black	XVUZ06	0.193/0.425
Metal bracket with aluminium pole, IP42		100/3.927	Black	XVUZ100T	0.220/0.485
		250/9.842	Black	XVUZ250T	0.240/0.529
		400/15.74	Black	XVUZ400T	0.320/0.705
Fixing plate for use on vertical support	–	–	Black	XVUZ12	0.360/0.794
Fixing plate with aluminium 1/2" NPT adapter.	–	–	Black	XVUZ00	0.095/0.209

(1) Two-pin mounting

(2) Three-pin mounting

(3) Four-pin mounting

(4) Only for use with DC body unit.

X	
XVUC020	35
XVUC21B	34
XVUC21BQ	34
XVUC21M	34
XVUC21MP	34
XVUC23	33
XVUC24	33
XVUC25	33
XVUC26	33
XVUC27	33
XVUC28	33
XVUC29	33
XVUC29P	33
XVUC43	33
XVUC44	33
XVUC45	33
XVUC46	33
XVUC47	33
XVUC48	33
XVUC63	33
XVUC64	33
XVUC65	33
XVUC66	33
XVUC67	33
XVUC68	33
XVUC9S	34
XVUC9SQ	34
XVUC9V	34
XVUC9VP	34
XVUZ00	35
XVUZ01	35
XVUZ01Q	35
XVUZ02	35
XVUZ02Q	35
XVUZ03	35
XVUZ04	35
XVUZ05	35
XVUZ06	35
XVUZ100T	35
XVUZ12	35
XVUZ250T	35
XVUZ400	35
XVUZ400T	35
XVUZ800	35

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