

Refer to Catalogs DIA5ED2130805EN*, DIA5ED2130407EN**, and 9001CT1002***

Tower Lights and Beacons Selection Guide (2 of 2)



Family	XVC 4	XVC 6	XVC 1	XVU	XVGU	XVR	XVS
Type of Product	*Tower Light	*Tower Light	*Tower Light	**Tower Light	**Tower Light	***Rotating Mirror Beacon	***Siren and Electronic Alarm
Diameter	40 mm	60 mm	100 mm	60mm	60mm	84/106/120/130 mm	—
Features	All devices are pre-assembled and pre-wired			Programmable LED module with multiple colors, flashing, blinking, and rotating	Programmable with Magelis through USB	All devices are pre-assembled and pre-wired. XVR12**S includes buzzer: 70 to 90 decibels	Adjustable Tones XVS14BMW, 0 to 105 decibels, 43 tones XVS72BM**, 0 to 90 decibels, 16 tones
Approvals	UL Recognized E164353 CNN NKCR	UL Recognized E164353 CNN NKCR	UL Recognized E164353 CNN NKCR	UL file: E164353 CCN : NKCR	UL File E164353 CCN NKCR	UL Recognized E164353 CNN NKCR	UL Recognized E164353 GNN UCST
Conforming to Standards	CSA LR44087 Class 3211-03	CSA LR44087 Class 3211-03	CSA LR44087 Class 3211-03	CSA File : 225619 CLASS : 3211-07	cUL File: E164353 CCN: NKCR7	CSA LR44087 Class 3211-03	CSA LR44087 Class 3211-03
	CE Marked	CE Marked	CE Marked	CE Marked	CE Marked	CE Marked	CE Marked
	EN61000-6-2	EN61000-6-2	EN61000-6-2	EN 60947-1	EN 61000-6-2	EN61000-6-2	—
	EN61000-6-3	EN61000-6-3	EN61000-6-3	EN 60947-5-1	—	EN61000-6-4	—
	—	EN61000-6-4	EN61000-6-4	—	EN 61000-6-2	—	—
UL 508	UL 508	UL 508	UL508	UL508	UL 508	UL 508	
CSA 22.2 No. 14	CSA 22.2 No. 14	CSA 22.2 No. 14	CSA C22.2 No.14	CSA C22.2 No.14	CSA 22.2 No. 14	CSA 22.2 No. 14	
Degree of Protection	IP54	IP54	IP54	IP65	IP42	IP23 / IP65 / IP66	IP53 / IP54
Operating Temperature F° (C°)	-13 to 122 (-25 to 50)	-13 to 122 (-25 to 50)	-13 to 122 (-25 to 50)	-13 to 122 (-25 to 50)	32 to 131 (0 to 55)	-14 to 122 (-10 to 50)	-4 to 122 (-20 to 50)
Storage Temperature F° (C°)	-40 to 158 (-40 to 70)	-40 to 158 (-40 to 70)	-40 to 158 (-40 to 70)	-13 to 150 (-25 to 65)	-31 to 158 (-35 to 70)	-31 to 158 (-35 to 70)	-31 to 158 (-35 to 70)
Light Source	LED	LED	LED	LED	LED	LED	—
Electrical Consumption				Body unit ≤ 400mA	400mA		
LED Steady	24 V: 1 unit = 40mA; 2 unit = 80mA; 3 unit = 120mA; 4 unit = 160mA; 5 unit = 200mA		24 V: 1 unit = 100mA; 2 unit = 200mA; 3 unit = 300mA; 4 unit = 400mA; 5 unit = 500mA	LED Units ≤ 50 mA	Programmable with Magelis through USB	XVR08, XVR10, XVR12, and XVR13 (without buzzer) 12 Vac/dc: 360mA 24 Vac/dc: 180mA	—
LED Flashing ** with Buzzer	**24 V: 1 unit = 90 mA; 2 unit = 130 mA; 3 unit = 170 mA; 4 unit = 210 mA; 5 unit = 250 mA 0.7 to 3 Hz (1 flash per 0.7 to 3 sec)		24 V: 1 unit = 150mA; 2 unit = 250mA; 3 unit = 350mA; 4 unit = 450mA; 5 unit = 550mA 3 to 3.5 Hz (1 flash per 3 to 3.5 sec)	Buzzer ≤ 70 mA Flasher and multi-color ≤ 70 mA	Programmable with Magelis through USB	XVR12 with buzzer: 12 Vac/dc: 400 mA 24 Vac/dc: 230 mA 3 Hz (1 flash per 3 sec)	—
Strobe (Energized)	—	—	—	—	—	—	—
Audible Sounders	70 to 85 decibels at 1 meter	70 to 85 decibels at 1 meter	60 to 85 decibels at 1 meter	—	—	—	XVS14BMW 12 Vdc: 350mA 24 Vdc: 400 mA 105 decibels at 1 m XVS72BM 12 Vdc: 280 mA 24 Vdc: 190 mA 90 decibels at 1 m
Connection Type	Pre-Wired, Color-Coded Wires cable length: 600mm XVC4** 900mm XVC4**K 500mm XVC4**5S	Pre-Wired, Color-Coded Wires cable length: 600mm XVC6** 850mm XVC6**K 550mm XVC6**5S 850mm XVC6**5SK	Pre-Wired, Color-Coded Wires cable length: 500mm XVC1**K 500mm XVC1**SK 550mm XVC6**5S 850mm XVC6**5SK	Screw Clamp	USB power cable: - 300 mm/ 11.81 in. for tube mounting - 400 mm/ 15.75 in. for direct mounting	Pre-Wired cable length: 500mm XVR08** 400mm XVR10** 400mm XVR12** 400mm XVR13**	XVS14BMW Pre-Wired, Color-Coded Wires cable length: 500mm XVS14 XVS72BM** Not Pre-Wired
Cable Size	22 AWG (0.33 mm ²)	22 AWG (0.33 mm ²)	22 AWG (0.33 mm ²)	22 - 16 AWG	—	18 AWG (0.75 mm ²)	—
Digest Location	XVC, page 19-118	XVC, page 19-118	XVC, page 19-118	XVU, page 19-120	XVGU, page 19-122	XVR, page 19-123	XVS, page 19-124

For Tower Lights catalog numbers:
 ● first dot denotes voltage selection
 ○ second dot denotes color selection

19 PUSH BUTTONS AND OPERATOR INTERFACE

New!

XVU 60 mm Diameter Tower Lights Description

The XVU tower lights are customer assembled products comprising:

1. Top cover (Black or Silver)
2. Buzzer unit (Black or Silver) [12]
3. Illuminated units: [13]
 - a. LED illuminated units (Colors: Green, Red, Orange, Blue, White or Yellow)
 - b. Multi-color LED unit (Colors: Green, Red, Orange, Blue, White or Yellow. Patterns: steady, blinking, flashing, or rotating)
4. Sound unit [14]
5. Body extender (Black or Silver)
6. DC body unit (Black or Silver)
7. AC body unit (Black or Silver)
8. Flexible mounting module
9. Direct mounting plate (Black or Silver)
10. 100 mm/3.937 in. pole with fixing plate (Black or Silver)
11. Height adjustment pole from 210 to 385 mm/8.268 to 15.157 in. [15]

Composition

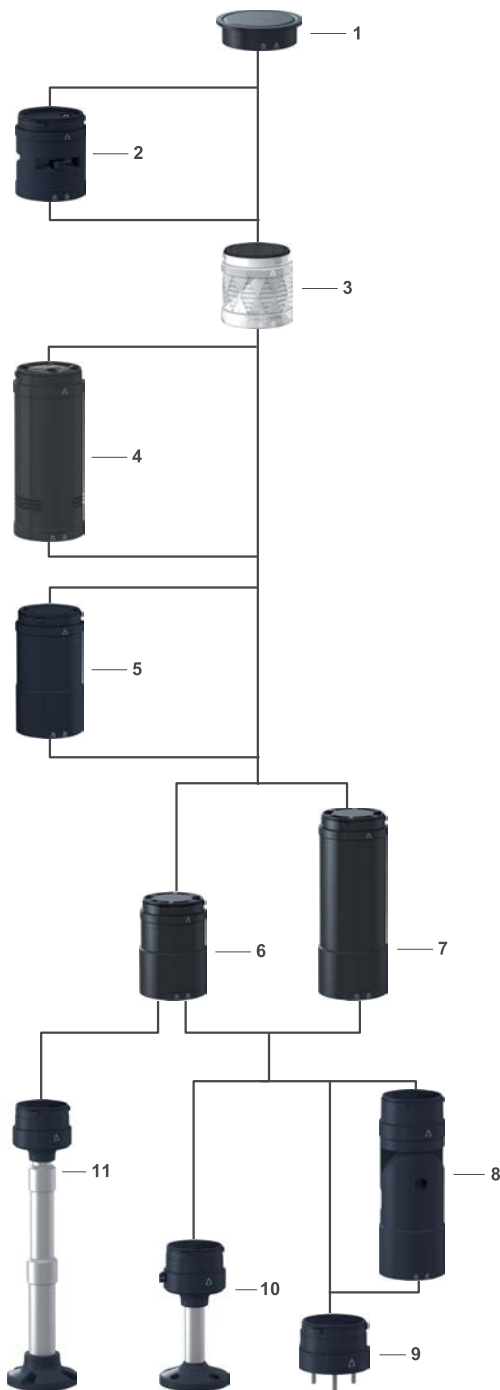
- XVU tower lights are customer assembled signaling units that are mounted on the body of the unit with a mounting accessory.
- Maximum of 5 illuminated units or 4 illuminated units with 1 audible unit can be assembled. The illuminated or audible unit [16], stack vertically.
- With the indicator marks on these units they can be easily assembled.
- Electrical connections between each unit are made automatically as they are mechanically assembled.
- The signaling units are identical in size and their positioning is unrestricted.

Mounting

Fixed into support panel using direct mounting plate, 100mm/3.937 in. pole with mounting plate or adjustment pole.

Cabling

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



[12] Always mounted on the top
 [13] Up to 5 LED illuminated units without sound module; Up to 4 LED illuminated units with sound module
 [14] (3) Sound module can work without LED unit
 [15] Only for DC body unit
 [16] Sound module cannot be combined with buzzer unit at the same time.(5)

New!

XVU Illuminated LED Units: IP 65

Table 19.373: Illuminated LED Units: IP 65



Description	Signaling Type	Characteristics		Color	Catalog Number
		Voltage	Power		
High brightness LED units	Steady	24 V	2.5 W	Green	XVUC23
		24 V	2.0 W	Red	XVUC24
		24 V	2.0 W	Orange	XVUC25
		24 V	2.5 W	Blue	XVUC26
		24 V	2.5 W	White	XVUC27
	24 V	2.5 W	Yellow	XVUC28	
	Steady/blinking/flashing/rotating	24 V	1.5 W	Multi-color (Green, Red, Orange, Blue, White and Yellow)	XVUC29

New!

XVU Audible Units: IP 54

Table 19.374: Audible units: IP 54



Description	Characteristics		Color	Catalog Number
	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
			Silver	XVUC9SQ
Sound, adjustable 0–86 dB at 1m/ 3.281 ft (4 channels)	24 V	1.7 W	Black	XVUC9V

New!

XVU Body Units: IP 65

Table 19.375: Body units: IP 65



Description	Voltage	Color	Catalog Number
Body unit with top cover [17]	~ / ~ 24 V	Black	XVUC21B
		Silver	XVUC21BQ
	~ 100 to 240 V	Black	XVUC21M [18]
		Black	XVUC21MP [19]
		Silver	XVUC21MQP [19]
		Silver	XVUC21MP [19]

New!

XVU Accessories



Description	Voltage	Color	Catalog Number
Body extender	~ / ~ 24 V	Black	XVUC020
		Silver	XVUC020Q
Direct mounting plate		Black	XVUZ01
			XVUZ03 [20]
		Silver	XVUZ04 [21]
			XVUZ01Q
Aluminium mounting plate with 100 mm/3.937 in. pole		Black	XVUZ02
		Silver	XVUZ02Q
Aluminium adjustment pole and mounting plate for height adjustment [22]		Black	XVUZ05
Flexible mounting element for use on horizontal or vertical support, IP 55		Black	XVUZ06

[17] Direct mounting plate XVUZ01 • needed for direct mounting
 [18] NPN type
 [19] PNP type
 [20] Two-foot mounting
 [21] Four-foot mounting
 [22] (6) Only for use with DC body unit.