

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

XVC Tower Lights and Accessories

Table 19.367: XVC4 Tower Lights — 40 mm diameter (1.5 inches)



Description	Light source (included)	Voltage	Signaling colors [8]		Catalog Number
			Steady	Flashing	
With support tube mounting					
Without buzzer	LED for steady light only	24 Vdc	R	—	XVC4B1
			R, O	—	XVC4B2
			R, O, G	—	XVC4B3
			R, O, G, B	—	XVC4B4
			R, O, G, B, C	—	XVC4B5
		100-240 Vac	R	—	XVC4M1
			R, O	—	XVC4M2
			R, O, G	—	XVC4M3
			R, O, G, B	—	XVC4M4
			R, O, G, B, C	—	XVC4M5
With buzzer + flashing light	LED for steady or flashing light [9]	24 Vdc	R	R	XVC4B15S
			R, O	R, O	XVC4B25S
			R, O, G	R, O, G	XVC4B35S
			R, O, G, B	R, O, G, B	XVC4B45S
			R, O, G, B, C	R, O, G, B, C	XVC4B55S
		100-240 Vac	R	R	XVC4M15S
			R, O	R, O	XVC4M25S
			R, O, G	R, O, G	XVC4M35S
			R, O, G, B	R, O, G, B	XVC4M45S
			R, O, G, B, C	R, O, G, B, C	XVC4M55S
For base mounting					
Without buzzer	LED for steady light only	24 Vdc	R	—	XVC4B1K
			R, O	—	XVC4B2K
			R, O, G	—	XVC4B3K
			R, O, G, B	—	XVC4B4K
			R, O, G, B, C	—	XVC4B5K

Table 19.368: Accessories for XVC4



Description	Diameter mm	Minimum height to be added mm	Catalog Number
Die-cast metal mounting base (for use with XVC4** and XVC4**5S with support tube)	90	32	XVCZ11
Plastic mounting base (for use with XVC4, XVC4** and XVC4**5S — customer must discard the support tube)	84	24.5	XVCZ01

Table 19.369: XVC Tower Lights — 100 mm diameter (4 inches)



Description	Light source (included)	Voltage Vdc	Signaling colors [8]		Catalog Number
			Steady	Flashing	
For base mounting					
Without buzzer With flashing light	LED for steady or flashing light [9]	24	R	R	XVC1B1K
			R, O	R, O	XVC1B2K
			R, O, G	R, O, G	XVC1B3K
			R, O, G, B	R, O, G, B	XVC1B4K
			R, O, G, B, C	R, O, G, B, C	XVC1B5K
		100-240 Vac	R	R	XVC1M1K
			R, O	R, O	XVC1M2K
			R, O, G	R, O, G	XVC1M3K
			R, O, G, B	R, O, G, B	XVC1M4K
			R, O, G, B, C	R, O, G, B, C	XVC1M5K
With buzzer + flashing light	LED for steady or flashing light [9]	24	R	R	XVC1B1SK
			R, O	R, O	XVC1B2SK
			R, O, G	R, O, G	XVC1B3SK
			R, O, G, B	R, O, G, B	XVC1B4SK
			R, O, G, B, C	R, O, G, B, C	XVC1B5SK
		100-240 Vac	R	R	XVC1M1SK
			R, O	R, O	XVC1M2SK
			R, O, G	R, O, G	XVC1M3SK
			R, O, G, B	R, O, G, B	XVC1M4SK
			R, O, G, B, C	R, O, G, B, C	XVC1M5SK

Table 19.370: Accessories for XVC1



Description	Diameter mm	Height mm	Catalog Number
Mount tube and base	140	300	XVCZ13
L-shape mount bracket	—	—	XVCZ23

[8] Signaling colors: R = Red, G = Green, O = Orange, B = Blue, C = Clear. The colors are listed in the mounting order of the illuminated units from top to bottom.

[9] Flashing light function selected by wiring or programming.