Signalling solutions
Rotating mirror beacons
Harmony type XVR (equipped with super-bright LED)

Presentation

The rotating beacons in the Harmony XVR range are optical signalling units designed for long distance signalling applications.

They are used mainly in the iron and steel industry, on industrial handling vehicles or for safety applications.

Environment characteristics

Rotating beacons type			XVR 08	XVR 10	XVR 12	XVR 13B●●●	XVR 13●●●L
Product certifications			CE (UL, CSA and Gost in progress)				
Conforming to standards			EN/IEC 61000-6-2 , EN/IEC 61000-6-4				EN/IEC 60947-1, EN/IEC 60947-5-1
Protective treatment			"TC"				
Ambient air temperature	For storage	**°C**	- 35…+ 70				
	For operation	**°C**	- 10…+ 50			- 30…+ 50	
Electric shock protection conforming to IEC 61140			Class II				
Degree of protection conforming to IEC 60529			IP 23 (IP 65 with accessory)	IP 23 (IP 55 with accessory)	IP 23	IP 66 (resistant to vibration)	IP 66 and IP 67
Material	Domed lens unit		PC				
	Base		ABS				
Light source			Super-bright LED				

Electrical characteristics

Rotating beacons type			XVR 08J XVR 10J XVR 12J XVR 12J●●S	XVR 08B XVR 10B XVR 12B XVR 12B●●S XVR 13B●●L	XVR 13J	XVR 13B	XVR 13G●●L	XVR 13M●●L
Voltage		**V**	≂ 12	≂ 24	⎓ 12	⎓ 24	∿ 120	∿ 230
Rated impulse withstand voltage		**kV**	0.8				4	
Consumption	Without buzzer	**W**	3				5	
	With buzzer (for XVR 12●●●S)	**W**	4	4.7	–			
Audible units with continuous or intermittant tone (short/long or high/low)	For XVR 12●●●S Sound level at 1 m	**dB**	50...90					
Flashing frequency of illuminated units		**Hz**	2.3 2.7 for **XVR 13**					
Connection	Wire c.s.a	**mm²**	0.83 mm² / SPT-1 AWG 18 *(1)* for **XVR 08●**, **XVR 10●** and **XVR 12●** 0.83 mm² / UL1007 AWG 18 *(1)* for **XVR 12●●●S** 1.25 mm² / VCT for **XVR 13**					
	Cable length	**mm**	400 500 for **XVR 08●**					

(1) AWG: American Wire Gauge.

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525874



XVR 08●●●

525875



XVR 10●●●

525877



XVR 13●●●

PF540658



XVR 13●●●L

Complete, pre-wired rotating mirrors

Diameter mm	Sound option	IP degree of protection	Voltage V	Colour	Reference	Weight kg
Ø 84	Without buzzer	IP 23 (IP 65 With accessories)	≂ 12	Red	**XVR 08J04**	0.300
				Orange	**XVR 08J05**	0.300
				Green	**XVR 08J03**	0.300
				Blue	**XVR 08J06**	0.300
			≂ 24	Red	**XVR 08B04**	0.300
				Orange	**XVR 08B05**	0.300
				Green	**XVR 08B03**	0.300
				Blue	**XVR 08B06**	0.300
Ø 106	Without buzzer	IP 23 (IP 55 With accessories)	≂ 12	Red	**XVR 10J04**	0.500
				Orange	**XVR 10J05**	0.500
				Green	**XVR 10J03**	0.500
				Blue	**XVR 10J06**	0.500
			≂ 24	Red	**XVR 10B04**	0.500
				Orange	**XVR 10B05**	0.500
				Green	**XVR 10B03**	0.500
				Blue	**XVR 10B06**	0.500
Ø 120	Without buzzer	IP 23	≂ 12	Red	**XVR 12J04**	0.500
				Orange	**XVR 12J05**	0.500
				Green	**XVR 12J03**	0.500
				Blue	**XVR 12J06**	0.500
			≂ 24	Red	**XVR 12B04**	0.500
				Orange	**XVR 12B05**	0.500
				Green	**XVR 12B03**	0.500
				Blue	**XVR 12B06**	0.500
Ø 120	With buzzer	IP 23	≂ 12	Red	**XVR 12J04S**	0.500
				Orange	**XVR 12J05S**	0.500
				Green	**XVR 12J03S**	0.500
				Blue	**XVR 12J06S**	0.500
			≂ 24	Red	**XVR 12B04S**	0.500
				Orange	**XVR 12B05S**	0.500
				Green	**XVR 12B03S**	0.500
				Blue	**XVR 12B06S**	0.500
Ø 130	Without buzzer	IP 66 Resistant to vibration	⎓ 12	Red	**XVR 13J04**	0.800
				Orange	**XVR 13J05**	0.800
			⎓ 24	Red	**XVR 13B04**	0.800
				Orange	**XVR 13B05**	0.800
		IP 66 and IP 67	≂ 24	Red	**XVR 13B04L**	0.820
				Orange	**XVR 13B05L**	0.820
			~ 120	Red	**XVR 13G04L**	0.990
				Orange	**XVR 13G05L**	0.990
			~ 230	Red	**XVR 13M04L**	0.990
				Orange	**XVR 13M05L**	0.990

Accessories for rotating mirrors

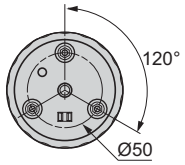
Description	To be used for / with	Diameter mm	Height mm	Reference	Weight kg
Reflecting prism	–	84	–	**XVR ZR1**	0.010
		106	–	**XVR ZR2**	0.015
		120/130	–	**XVR ZR3**	0.020
Rubber base	Increasing the IP degree	84	–	**XVR Z081**	0.040
		106	–	**XVR Z082**	0.050
Metal angle bracket	Horizontal support	84, 106, 120	–	**XVC Z23**	0.380
		130	–	**XVR 012L**	1.300
Metal fixing plate	Horizontal support	106, 120	300	**XVC Z13**	0.700

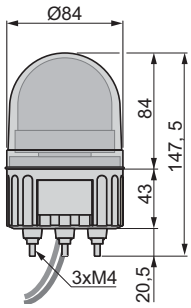
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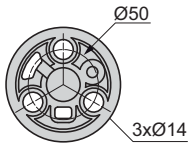
Complete, pre-wired rotating mirrors

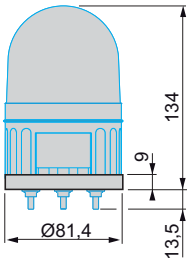
XVR 08●0●



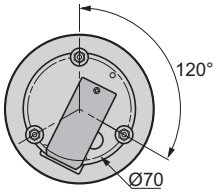


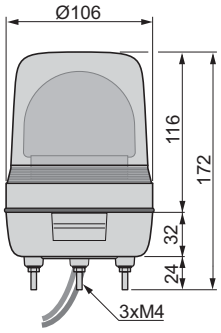
XVR Z081 (rubber base-optional part)



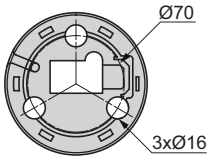


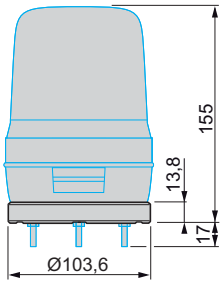
XVR 10●0●



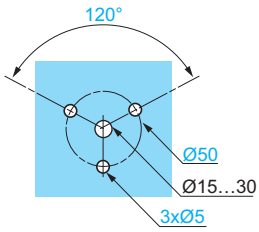


XVR Z082 (rubber base-optional part)

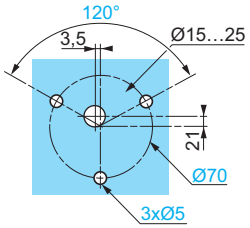




Panel cut-out

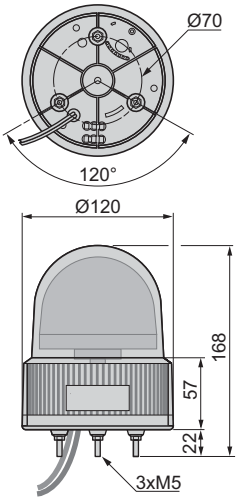


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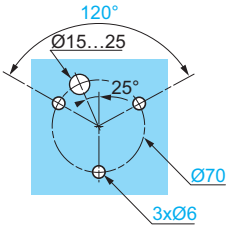


Complete, pre-wired rotating mirrors *(continued)*

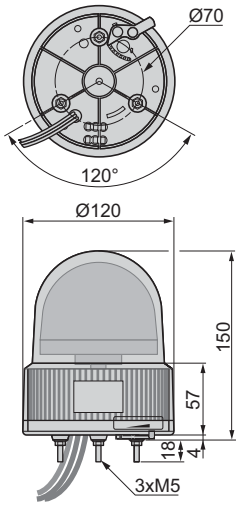
XVR 12●0●



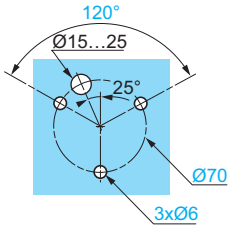
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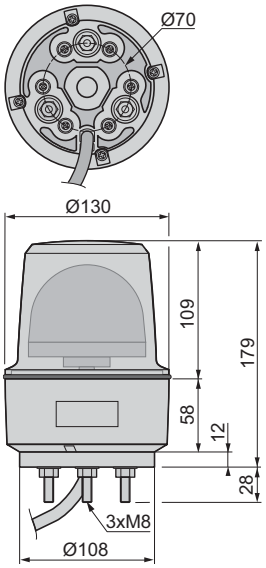
XVR 12●0●S



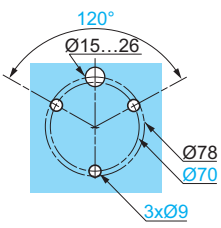
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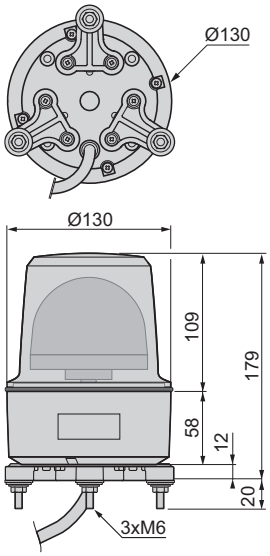
XVR 13●0●



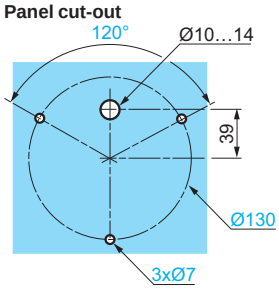
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XVR 13●0●L



Panel cut-out



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