Signaling units Ø 60
Harmony® XVU modular tower lights

Catalog

September 2013
How to find the “Automation and Control” products

Catalogs
Complete product ranges

Essential guides
Selection of the top selling products
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New generation of modular tower light

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.

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.

Innovation

These tower lights offer innovative features with:

- Multi-color LED module with a choice of six colors and four light patterns.
- Pole mounting with height adjustable tube allowing the adjustment of the column height without any tools.
- Flexible mounting element for use on horizontal or vertical support.

Super bright LED technology
Overview

Signaling Units
Modular tower lights
Harmony® type XVU Ø 60

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.

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.

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

User-friendly
<table>
<thead>
<tr>
<th>Type of products</th>
<th>Harmony® type XV</th>
<th>Monolithic tower lights</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of products</strong></td>
<td>Complete pre-cabled pilot lights, height 55 mm/2.17 in.</td>
<td>Complete pre-assembled tower lights for customer assembly of up to 4 units</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>Ø 25 mm/0.98 in.</td>
<td>Ø 100 mm/3.94 in.</td>
</tr>
<tr>
<td><strong>Degree of protection conforming to IEC 60529</strong></td>
<td>IP 40</td>
<td>IP 53 and IP 42 (aluminium tube mounting and “L” bracket)</td>
</tr>
<tr>
<td><strong>Type of signalling</strong></td>
<td>Steady, Flash</td>
<td>Yes, With buzzer</td>
</tr>
<tr>
<td><strong>Light sources</strong></td>
<td>Incandescent bulb</td>
<td>Yes, With buzzer</td>
</tr>
<tr>
<td><strong>Colors of illuminated units</strong></td>
<td>Yes, Red, Clear, Yellow</td>
<td>Yes, Red, Clear, Yellow</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>Screw clamp terminals</td>
<td>Screw clamp terminals</td>
</tr>
<tr>
<td><strong>Support panel drilling or cut-out</strong></td>
<td>Ø 22 mm/0.87 in. or Ø 30 mm/1.18 in.</td>
<td>Ø 22 mm/0.87 in. or Ø 30 mm/1.18 in.</td>
</tr>
<tr>
<td><strong>Type references</strong></td>
<td>XV1CA</td>
<td>XVDLS</td>
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</tbody>
</table>
### Signaling solutions

**Harmony® type XV**

<table>
<thead>
<tr>
<th>Type references</th>
<th>XVM</th>
<th>XVU</th>
</tr>
</thead>
</table>

#### Type of products

<table>
<thead>
<tr>
<th>Pre-assembled/pre-cabled tower lights</th>
<th>Tower lights for customer assembly of up to 5 units</th>
</tr>
</thead>
</table>

#### Diameter

| Ø 45 mm/1.77 in. | Ø 60 mm/2.36 in. |

#### Degree of protection conforming to IEC 60529

- 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)
- IP 65 for illuminated units
- IP 55 for flexible mounting option

| Ø 84 mm/3.31 in. to Ø 130 mm/5.12 in. | Ø 84 mm/3.31 in. and Ø 108 mm/4.25 in. | Ø 120 mm/4.72 in. |

#### Type of signaling

- Steady: Yes
- Flashing: Yes
- "Flash": Yes
- Sound: Yes

#### Light sources

- Incandescent bulb: Yes
- LED bulb: No
- Integral LED: Yes
- "Flash" discharge tube: Yes
- Halogen bulb: No

#### Colors of illuminated units

- Red
- Green
- Orange
- Blue
- White
- Multi-color (Green, Red, Orange, Blue, White and Yellow)

#### Connection

- Flying leads, length 300 mm/11.81 in. or screw terminals
- Spring cage connection terminals

#### Support panel drilling or cut-out

- Mounting on bracket: 2 x Ø 9 mm/0.35 in.
- Mounting on support tube: 4 x Ø 5.5 mm/0.22 in. or M5
- Direct mounting and wall mounting with flexible element: 3 x Ø 5 mm/0.196 in.

#### Degree of protection conforming to IEC 60529 (mounted on fixing base XVBZ0 or base unit)

- IP 65: Ø 84 mm/3.31 in. and Ø 108 mm/4.25 in.
- IP 67: Ø 120 mm/4.72 in.
- IP 68: Ø 130 mm/5.12 in.
- IP 53 (sirens)
- IP 54 (electronic alarms)

#### Type of signalling

- Steady: Yes
- Flashing: Yes
- "Flash": Yes
- Sound: Yes

#### Support panel drilling or cut-out

- Mounting on support tube: 4 x Ø 5.5 mm/0.22 in. or M5
- Direct mounting and wall mounting with flexible element: 3 x Ø 5 mm/0.196 in.

#### Type of products

- Pre-assembled/pre-cabled tower lights
- Tower lights for customer assembly of up to 5 units
- Illuminated beacons
- Pre-cabled rotating beacons
- Sirens and electronic alarms

#### Diameter

| Ø 45 mm/1.77 in. | Ø 60 mm/2.36 in. |

#### Degree of protection conforming to IEC 60529

- 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)
- IP 65 for illuminated units
- IP 55 for flexible mounting option

| Ø 84 mm/3.31 in. to Ø 130 mm/5.12 in. | Ø 84 mm/3.31 in. and Ø 108 mm/4.25 in. | Ø 120 mm/4.72 in. |

#### Type of signalling

- Steady: Yes
- Flashing: Yes
- "Flash": Yes
- Sound: Yes

#### Light sources

- Incandescent bulb: Yes
- LED bulb: No
- Integral LED: Yes
- "Flash" discharge tube: Yes
- Halogen bulb: No

#### Colors of illuminated units

- Red
- Green
- Orange
- Blue
- White
- Multi-color (Green, Red, Orange, Blue, White and Yellow)

#### Connection

- Flying leads, length 300 mm/11.81 in. or screw terminals
- Spring cage connection terminals
- Screw clamp terminals (except XVS14: flying leads, length 500 mm/19.68 in.)

#### Support panel drilling or cut-out

- Mounting on support tube: 4 x Ø 5.5 mm/0.22 in. or M5
- Direct mounting and wall mounting with flexible element: 3 x Ø 5 mm/0.196 in.

#### Degree of protection conforming to IEC 60529 (mounted on fixing base XVBZ0 or base unit)

- IP 65: Ø 84 mm/3.31 in. and Ø 108 mm/4.25 in.
- IP 68: Ø 120 mm/4.72 in.
- IP 67: Ø 130 mm/5.12 in.
- IP 53 (sirens)
- IP 54 (electronic alarms)

#### Type of signalling

- Steady: Yes
- Flashing: Yes
- "Flash": Yes
- Sound: Yes

#### Light sources

- Incandescent bulb: Yes
- LED bulb: No
- Integral LED: Yes
- "Flash" discharge tube: Yes
- Halogen bulb: No

#### Colors of illuminated units

- Red
- Green
- Orange
- Blue
- White
- Multi-color (Green, Red, Orange, Blue, White and Yellow)

#### Connection

- Flying leads, length 400 mm/15.75 in.
- Screw clamp terminals (except XVS14: flying leads, length 500 mm/19.68 in.)
Presentation

Signaling Units
Modular tower lights
Harmony® type XVU Ø 60
Tower lights for customer assembly (up to 5 units)

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:
■ “Super bright” LED,
■ Easy installation and mounting without use of any tools,
■ Simple assembly due to the indicator marks on the units,
■ Steady, blinking, flashing, 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),
■ Height adjustment tube that solves the need to adjust height of the tower light,
■ Flexible mounting option which supports various customer needs for installation (for use on horizontal or vertical support),
■ Power integrated base modules with two voltage solutions (≤24V and 100 to 240V) which reduces the stock reference for LED units,
■ High degree of protection against dust and water.

Illuminated LED units
The XVU range offers the following benefits for illuminated LED units:
■ These units are visible throughout 360°,
■ Innovative mirror design of LED units improve the brightness,
■ Pure colors of LED units avoid confusion between colors,
■ The “Super bright” LED technology consumes low power and has long life,
■ Continuous usage of LEDs up to 40,000 operating hours (1),
■ Ultra brightness in 40º visualization,
■ Homogenous light improves luminosity from side view,
■ The mixture of homogenous light and pure color improves the aesthetics of tower light and machine,
■ Polycarbonate lens material for better shock resistance.

Mounting
■ 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.
■ Flexible mounting option for use on horizontal or vertical support.
■ Direct mounting (with direct mounting plate XVUZ01).

Signaling type
■ For illuminated units with Green, Red, Orange, Blue or White color: steady
■ For illuminated units with multi-color: steady, blinking, flashing (slow or fast) and rotating (slow or fast).
■ For audible unit: buzzer sound, 85dB (at 1m/3.281 ft., 4 configurations of audible signal).

Environment
The degree of protection for XVU tower lights are:
■ IP 65 for illuminated units,
■ IP 54 for audible units,
■ IP 55 for flexible mounting option,
■ Product certifications: UL, CSA, CE.

The whole range conforms with EN/IEC 60947-5-1 standard. Products are CEE, UL and CSA certified.

(1) 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)

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**Description**

**Tower lights**

The XVU tower lights are customer assembled products comprising:

1. Top cover (Black or Silver).
2. Audible unit (Black or Silver) (1).
3. 1 to 5 LED illuminated units (Colors: Green, Red, Orange, Blue, White and Yellow with multi-color LED unit).
4. Body extender (Black or Silver).
5. DC body unit (Black or Silver).
6. AC body unit (Black or Silver).
7. Flexible mounting element.
8. Direct mounting plate (Black or Silver).
9. 100 mm/3.937 in. pole with fixing plate (Black or Silver).
10. Height adjustment pole from 210 to 385 mm/8.268 to 15.157 in. (2)

**Composition**

- XVU tower lights are customer assembled signaling units that are mounted on the body of the unit with a mounting accessory (flexible element, mounting plate or poles).
- Maximum of 5 or 4 illuminated units with 1 audible unit can be assembled.
- The illuminated or audible unit, 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 fixing 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)

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(1) Always mounted on the top.
(2) Only for DC body unit.
Signaling Units
Modular tower lights
Harmony® type XVU Ø 60
Tower lights for customer assembly (up to 5 units)
Illuminated and audible units

Illuminated LED units: IP 65

<table>
<thead>
<tr>
<th>Description</th>
<th>Signaling Type</th>
<th>Characteristics</th>
<th>Color</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>High brightness LED units</td>
<td>Steady</td>
<td>24 V 2.5 W</td>
<td>Green</td>
<td>XVUC23</td>
<td>0.064/0.141</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 V 2.0 W</td>
<td>Red</td>
<td>XVUC24</td>
<td>0.064/0.147</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 V 2.0 W</td>
<td>Orange</td>
<td>XVUC25</td>
<td>0.064/0.147</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 V 2.5 W</td>
<td>Blue</td>
<td>XVUC26</td>
<td>0.064/0.147</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 V 2.5 W</td>
<td>White</td>
<td>XVUC27</td>
<td>0.064/0.147</td>
</tr>
<tr>
<td>Steady/ blinking/ flashing/</td>
<td>24 V 1.5 W</td>
<td>Multi-color</td>
<td></td>
<td>XVUC29</td>
<td>0.064/0.147</td>
</tr>
<tr>
<td>rotating</td>
<td></td>
<td>(Green, Red, Orange, Blue, White and Yellow)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Audible units: IP 54

<table>
<thead>
<tr>
<th>Description</th>
<th>Characteristics</th>
<th>Color</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buzzer, adjustable 70...85 dB at 1 m/3.281 ft. (4 configurations of audible signal)</td>
<td>24 V 1.7 W</td>
<td>Black</td>
<td>XVUC9S</td>
<td>0.077/0.170</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Silver</td>
<td>XVUC9SQ</td>
<td>0.077/0.170</td>
</tr>
</tbody>
</table>
## Signaling Units

**Modular tower lights**

**Harmony® type XVU Ø 60**

Tower lights for customer assembly (up to 5 units)

Body units and accessories

### Body units: IP 65

<table>
<thead>
<tr>
<th>Description</th>
<th>Voltage</th>
<th>Color</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body unit with top cover (1)</td>
<td>~ 24V</td>
<td>Black</td>
<td>XVUC21B</td>
<td>0.110/0.243</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>XVUC21BQ</td>
<td>0.110/0.243</td>
</tr>
<tr>
<td>~ 100 to 240V</td>
<td>Black</td>
<td>XVUC21M (2)</td>
<td>0.235/0.518</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Black</td>
<td>XVUC21MP (3)</td>
<td>0.235/0.518</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silver</td>
<td>XVUC21MQP (3)</td>
<td>0.235/0.518</td>
<td></td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Voltage</th>
<th>Color</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body extender</td>
<td>~ 24V</td>
<td>Black</td>
<td>XVUC20</td>
<td>0.093/0.205</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>XVUC20Q</td>
<td>0.093/0.205</td>
</tr>
<tr>
<td>Direct mounting plate</td>
<td></td>
<td>Black</td>
<td>XVUZ01</td>
<td>0.063/0.139</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>XVUZ01Q</td>
<td>0.063/0.139</td>
</tr>
<tr>
<td>Aluminium fixing plate with 100 mm/3.94 in. pole</td>
<td></td>
<td>Black</td>
<td>XVUZ02</td>
<td>0.132/0.291</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>XVUZ02Q</td>
<td>0.132/0.291</td>
</tr>
<tr>
<td>Aluminium adjustment pole and fixing plate for height adjustment (4)</td>
<td></td>
<td>Black</td>
<td>XVUZ05</td>
<td>0.253/0.558</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>XVUZ06</td>
<td>0.193/0.425</td>
</tr>
</tbody>
</table>

(1) Direct mounting plate XVUZ01 required for direct mounting.
(2) NPN type
(3) PNP type
(4) Only for use with DC body unit.
Search, visualize, and download

Use your tablet or your PC to quickly access detailed and comprehensive information on our products

Product ranges displayed by function

Dynamic catalogs (hyperlinks, video, ...)

Product selector: dynamic filters to get easily your part number

Application name: “Automation Library by Schneider Electric”
Path: www.schneider-electric.com > Products and Services > Automation and control > Product offer

Personal computer

Product ranges displayed by function

Dynamic catalogs (hyperlinks, video, ...)

Product selector: dynamic filters to get easily your part number
Access product references with adapted tools

Path: www.schneider-electric.com > Products and Services > Automation and control > ... > Product offer

Graphic product configurator
Select the right product with just a few clicks

Dynamic product selector
Visualize product characteristics and dimensions

Product data sheet
with technical characteristics and dimensions

Dimensions
Technical characteristics
Documents and downloads
Visualize and download catalogs, technical publications, certificates, etc.

Dynamic catalogs
Essential guides
Certificates
Technical publications
Compare, select, and compile

Path: www.schneider-electric.com > Products and Services > Automation and control > ... > Harmony XB4*

* Example of research on a product
Check the product status, design your equipment

Path: www.schneider-electric.com > Support > Product Substitution Tool
Path: www.schneider-electric.com > Support > CAD files

Product status:
Indicate whether the product is still commercialized. Otherwise, the tool suggests a product substitution.

CAD files:
Available in various formats, they will be easily integrated into your installation design software.

Please note that references to products and services are just examples.
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>XVUC9S</td>
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<tr>
<td>XVUC9SQ</td>
<td>10</td>
</tr>
<tr>
<td>XVUC020</td>
<td>11</td>
</tr>
<tr>
<td>XVUC020Q</td>
<td>11</td>
</tr>
<tr>
<td>XVUC21B</td>
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<tr>
<td>XVUC21BQ</td>
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</tr>
<tr>
<td>XVUC21M</td>
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<td>XVUC21MP</td>
<td>11</td>
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<td>XVUC21MQP</td>
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<td>XVUZ01</td>
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<td>XVUZ06</td>
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</tbody>
</table>
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