



- The latest generation of audible and visual alarm devices
- Ex d/Ex e connection chambers
- Visual solutions with 5 to 21 J XENON and high-power LEDs with various light modes and 4 light channels
- Audible solutions with directional or omnidirectional horn with up to 120 dB(A) at 1 m, 4 tone channels and 64 preconfigured tones
- Four output levels can be configured
- Brackets, fixings and protective grid made from stainless steel
- Compliant with EN 54/DNV
- Fastening bracket and protective cage included

E5

## MY R. STAHL YL60C



The **YL60/3 product series** provides audible and visual alarm signals which can be used to alert, warn or draw attention to equipment malfunction/start-up or any number of safety-related issues in hazardous areas. The preconfigured signal tones and light patterns (LED) provide a wide range of internationally standardised signal patterns. The audible and visual signals can be operated separately or in combination, with four channels available for each type of signal, enabling flexible use. The signalling devices meet the requirements of EN 54 and DNV for extremely challenging ambient conditions.

|                 | IECEx / ATEX |   |   |    |    |    |
|-----------------|--------------|---|---|----|----|----|
| Zone            | 0            | 1 | 2 | 20 | 21 | 22 |
| Installation in |              | • | • |    | •  | •  |

| Selection Table                              |                                                              |                              |                                  |          |         |
|----------------------------------------------|--------------------------------------------------------------|------------------------------|----------------------------------|----------|---------|
| Lamp<br>Horn version<br>Sound pressure level | 5 J xenon flash tubes<br>directional<br>max. 120 dB(A) @ 1 m |                              |                                  |          |         |
| Lens colour                                  | AC rated operational voltage                                 | Rated operational voltage DC | Product Type                     | Art. No. | Weight  |
| Amber                                        | 110 ... 240 V                                                | 133 ... 272 V                | YL60/324-PL101-00AW30-ST000-0000 | 319432   | 8.56 kg |
|                                              | –                                                            | 12 ... 27.2 V                | YL60/324-DL101-00AW30-ST000-0000 | 319424   | 8.39 kg |
| Blue                                         | 110 ... 240 V                                                | 133 ... 272 V                | YL60/324-PL101-00BW30-ST000-0000 | 319433   | 8.56 kg |
|                                              | –                                                            | 12 ... 27.2 V                | YL60/324-DL101-00BW30-ST000-0000 | 319425   | 8.39 kg |
| Clear                                        | 110 ... 240 V                                                | 133 ... 272 V                | YL60/324-PL101-00CW30-ST000-0000 | 319367   | 8.56 kg |
|                                              | –                                                            | 12 ... 27.2 V                | YL60/324-DL101-00CW30-ST000-0000 | 319426   | 8.39 kg |
| Green                                        | 110 ... 240 V                                                | 133 ... 272 V                | YL60/324-PL101-00GW30-ST000-0000 | 319368   | 8.56 kg |
|                                              | –                                                            | 12 ... 27.2 V                | YL60/324-DL101-00GW30-ST000-0000 | 319427   | 8.39 kg |
| Red                                          | 110 ... 240 V                                                | 133 ... 272 V                | YL60/324-PL101-00RW30-ST000-0000 | 319369   | 8.56 kg |
|                                              | –                                                            | 12 ... 27.2 V                | YL60/324-DL101-00RW30-ST000-0000 | 319428   | 8.39 kg |

## Selection Table

| Lamp<br>Horn version<br>Sound pressure level |                              | 5 J xenon flash tubes<br>omnidirectional<br>max. 114 dB(A) @ 1 m  |                                  |          |         |
|----------------------------------------------|------------------------------|-------------------------------------------------------------------|----------------------------------|----------|---------|
| Lens colour                                  | AC rated operational voltage | Rated operational voltage DC                                      | Product Type                     | Art. No. | Weight  |
| Amber                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/324-PS101-00AW30-ST000-0000 | 319370   | 6.72 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/324-DS101-00AW30-ST000-0000 | 312358   | 6.54 kg |
| Blue                                         | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/324-PS101-00BW30-ST000-0000 | 319411   | 6.72 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/324-DS101-00BW30-ST000-0000 | 319429   | 6.54 kg |
| Clear                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/324-PS101-00CW30-ST000-0000 | 319412   | 6.72 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/324-DS101-00CW30-ST000-0000 | 319430   | 6.54 kg |
| Green                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/324-PS101-00GW30-ST000-0000 | 319413   | 6.72 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/324-DS101-00GW30-ST000-0000 | 319431   | 6.54 kg |
| Red                                          | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/324-PS101-00RW30-ST000-0000 | 319414   | 6.72 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/324-DS101-00RW30-ST000-0000 | 312360   | 6.54 kg |
| Lamp<br>Horn version<br>Sound pressure level |                              | LED dome light fitting<br>directional<br>max. 120 dB(A) @ 1 m     |                                  |          |         |
| Lens colour                                  | AC rated operational voltage | Rated operational voltage DC                                      | Product Type                     | Art. No. | Weight  |
| Amber                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PL801-00AW30-ST000-0000 | 319443   | 6.68 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DL801-00AW30-ST000-0000 | 319415   | 8.43 kg |
| Blue                                         | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PL801-00BW30-ST000-0000 | 319444   | 8.61 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DL801-00BW30-ST000-0000 | 319416   | 8.43 kg |
| Clear                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PL801-00CW30-ST000-0000 | 319445   | 8.61 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DL801-00CW30-ST000-0000 | 319417   | 8.43 kg |
| Green                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PL801-00GW30-ST000-0000 | 319446   | 8.61 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DL801-00GW30-ST000-0000 | 319418   | 8.43 kg |
| Red                                          | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PL801-00RR30-ST000-0000 | 319447   | 8.61 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DL801-00RR30-ST000-0000 | 319419   | 8.43 kg |
| Lamp<br>Horn version<br>Sound pressure level |                              | LED dome light fitting<br>omnidirectional<br>max. 114 dB(A) @ 1 m |                                  |          |         |
| Lens colour                                  | AC rated operational voltage | Rated operational voltage DC                                      | Product Type                     | Art. No. | Weight  |
| Amber                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PS801-00AW30-ST000-0000 | 319448   | 6.76 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DS801-00AW30-ST000-0000 | 312371   | 6.58 kg |
| Blue                                         | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PS801-00BW30-ST000-0000 | 319449   | 6.76 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DS801-00BW30-ST000-0000 | 319420   | 6.58 kg |
| Clear                                        | 110 ... 240 V                | 133 ... 272 V                                                     | YL60/326-PS801-00CW30-ST000-0000 | 319450   | 6.76 kg |
|                                              | –                            | 12 ... 27.2 V                                                     | YL60/326-DS801-00CW30-ST000-0000 | 319441   | 6.58 kg |

## Selection Table

|                      |                              |                              |                                  |          |         |
|----------------------|------------------------------|------------------------------|----------------------------------|----------|---------|
| Lamp                 | LED dome light fitting       |                              |                                  |          |         |
| Horn version         | omnidirectional              |                              |                                  |          |         |
| Sound pressure level | max. 114 dB(A) @ 1 m         |                              |                                  |          |         |
| Lens colour          | AC rated operational voltage | Rated operational voltage DC | Product Type                     | Art. No. | Weight  |
| Green                | 110 ... 240 V                | 133 ... 272 V                | YL60/326-PS801-00GW30-ST000-0000 | 319451   | 6.76 kg |
|                      | –                            | 12 ... 27.2 V                | YL60/326-DS801-00GW30-ST000-0000 | 319442   | 6.58 kg |
| Red                  | 110 ... 240 V                | 133 ... 272 V                | YL60/326-PS801-00RR30-ST000-0000 | 319452   | 6.76 kg |
|                      | –                            | 12 ... 27.2 V                | YL60/326-DS801-00RR30-ST000-0000 | 312359   | 6.58 kg |

## Technical Data

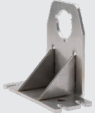
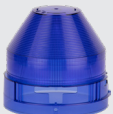
| Variant                                   | YL60/326 LED dome light fitting                  | YL60/324 xenon flash tubes                       |
|-------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Explosion Protection                      |                                                  |                                                  |
| Area of application                       | European Union (ATEX)<br>IECEX<br>United Kingdom | European Union (ATEX)<br>IECEX<br>United Kingdom |
| IECEX gas explosion protection            | Ex db eb IIC T6 / T4 Gb                          | Ex db eb IIC T4 Gb                               |
| IECEX dust explosion protection           | Ex tb IIIC T80 °C / T100 °C Db                   | Ex tb IIIC T100 °C Db                            |
| ATEX gas explosion protection             | Ex II 2 G Ex db eb IIC T6 / T4 Gb                | Ex II 2 G Ex db eb IIC T4 Gb                     |
| ATEX dust explosion protection            | Ex II 2 D Ex tb IIIC T80 °C / T100 °C Db         | Ex II 2 D Ex tb IIIC T100 °C Db                  |
| Declaration of conformity                 | ATEX (EUK)                                       | ATEX (EUK)                                       |
| Certificates                              | ATEX (BVIS), IECEX (BVIS)                        | ATEX (BVIS), IECEX (BVIS)                        |
| Electrical Data                           |                                                  |                                                  |
| Line monitoring                           | Yes                                              | Yes                                              |
| Tolerance                                 | -10 ... 10 %                                     | -10 ... 10 %                                     |
| Acoustic Data                             |                                                  |                                                  |
| Sound level                               | 4                                                | 4                                                |
| Volume control                            | Max. -18 dB(A) adjustment                        | Max. -18 dB(A) adjustment                        |
| Ambient Conditions                        |                                                  |                                                  |
| Ambient temperature                       | -40 °C ... 40 °C (T6)<br>-40 °C ... 70 °C (T4)   | -40 °C ... 70 °C (T4)                            |
| Storage temperature                       | -60 °C ... 70 °C                                 | -60 °C ... 70 °C                                 |
| Mechanical Data                           |                                                  |                                                  |
| IP degree of protection (IEC 60598)       | IP66                                             | IP66                                             |
| Connection chamber version                | Ex e                                             | Ex e                                             |
| Enclosure material                        | Aluminium, powder-coated, Seawater-resistant     | Aluminium, powder-coated, Seawater-resistant     |
| Enclosure colour                          | red, similar to RAL 3020                         | red, similar to RAL 3020                         |
| Silicone-free content                     | Contains silicone                                | Contains silicone                                |
| Trumpet material                          | PC/PBT                                           | PC/PBT                                           |
| Material dome                             | Polycarbonate, prismatic                         | Polycarbonate, prismatic                         |
| Protective collar material                | Polycarbonate (PC cover)                         | Polycarbonate (PC cover)                         |
| Wire guard material                       | Stainless steel                                  | Stainless steel                                  |
| Max. solid connection terminals           | 4 mm <sup>2</sup>                                | 4 mm <sup>2</sup>                                |
| Max. finely stranded connection terminals | 2.5 mm <sup>2</sup>                              | 2.5 mm <sup>2</sup>                              |
| Mounting / Installation                   |                                                  |                                                  |
| Mounting part material                    | Stainless steel                                  | Stainless steel                                  |
| Connection type                           | Push in                                          | Push in                                          |
| Components                                |                                                  |                                                  |
| Drilled holes                             | 2 x M20 + 2 x M25                                | 2 x M20 + 2 x M25                                |
| Cable glands and entries                  | 1 x M20 Ø 4 ... 13 mm<br>1 x M25 Ø 7 ... 17 mm   | 1 x M20 Ø 4 ... 13 mm<br>1 x M25 Ø 7 ... 17 mm   |
| Stopping plugs                            | 2x M20 + 2x M25                                  | 2x M20 + 2x M25                                  |

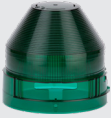
You can find more technical data online at [r-stahl.com](http://r-stahl.com). MY R. STAHL YL60C

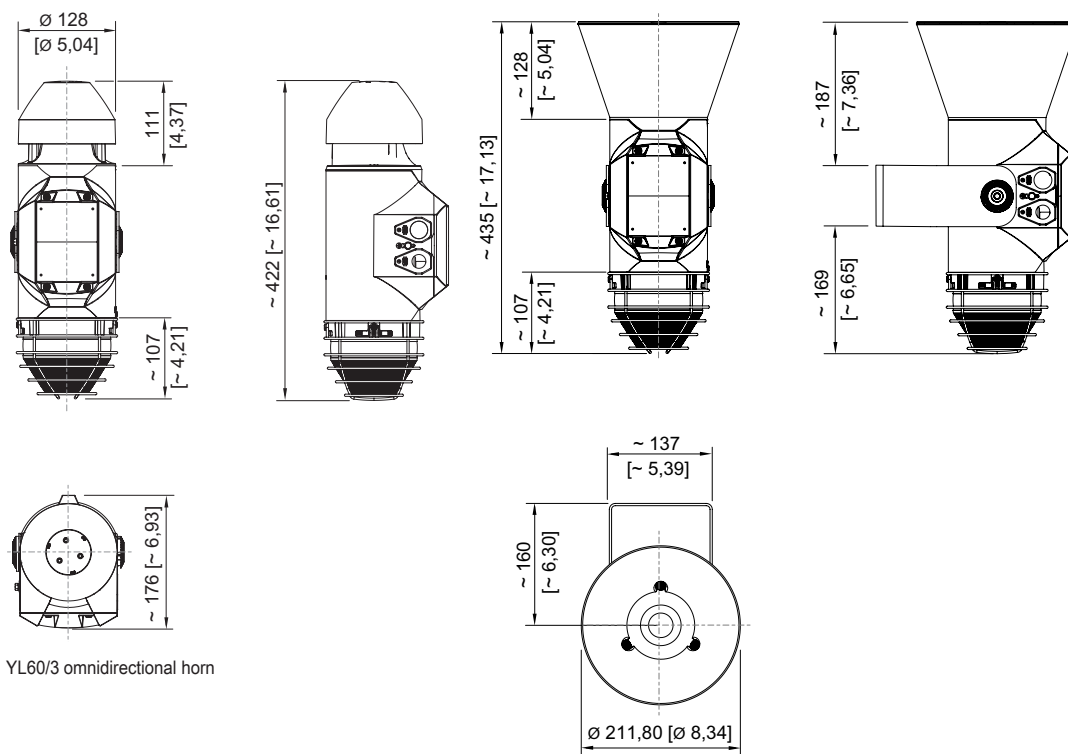
## Accessories

| Figure                                                                             | Description                                                                                                                                                                    | Art. No. | Weight |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
| <b>Metal cable gland</b>                                                           |                                                                                                                                                                                |          |        |
|   | Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass)<br>Type 20PX2K, M20 x 1.5                               | 109428   | 240 g  |
|                                                                                    | Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass)<br>Type 20PX2K-REX, M20 x 1.5   | 246649   | 240 g  |
|   | Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass)<br>Type 20PXSS2K, M20 x 1.5                   | 109441   | 200 g  |
|                                                                                    | Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass)<br>Type 20PXSS2K-REX, M20 x 1.5 | 246605   | 200 g  |
| <b>Plastic cable gland</b>                                                         |                                                                                                                                                                                |          |        |
|   | 8161/7-M20-1304, Ex e<br>Polyamide, M20 x 1,5 mm, 4 – 13 mm<br>Lot size 50 pieces                                                                                              | 239156   | 10 g   |
| <b>Stopping plug</b>                                                               |                                                                                                                                                                                |          |        |
|  | 8290/3-M20<br>Plastic, M20 x 1.5<br>Lot size 1 piece                                                                                                                           | 143522   | 7 g    |
|                                                                                    | 8290/3-M20<br>Plastic, M20 x 1.5<br>Lot size 100 pieces                                                                                                                        | 285773   | 500 g  |

## Spare Parts

| Figure                                                                              | Description                             | Art. No. | Weight  |
|-------------------------------------------------------------------------------------|-----------------------------------------|----------|---------|
| <b>Mounting accessories</b>                                                         |                                         |          |         |
|  | L-bracket, stainless steel 1.4404       | 319271   | 655 g   |
|  | U-bracket, stainless steel 1.4404       | 319280   | 1.55 kg |
| <b>Protective cage</b>                                                              |                                         |          |         |
|  | Protective cage, stainless steel 1.4404 | 319272   | 555 g   |
| <b>Textured lens</b>                                                                |                                         |          |         |
|  | amber                                   | 319273   | 485 g   |
|  | blue                                    | 319274   | 485 g   |

| Spare Parts                                                                         |                             |          |         |
|-------------------------------------------------------------------------------------|-----------------------------|----------|---------|
| Figure                                                                              | Description                 | Art. No. | Weight  |
| Textured lens                                                                       |                             |          |         |
|    | green                       | 319275   | 485 g   |
|    | clear                       | 319276   | 485 g   |
|    | red                         | 319278   | 485 g   |
| Lamp                                                                                |                             |          |         |
|    | Xenon tube PCB 5 joules     | 319281   | -       |
| Shaped horn                                                                         |                             |          |         |
|  | directional, repair kit     | 319249   | 1.01 kg |
|  | omnidirectional, repair kit | 319250   | 625 g   |



YL60/3 omnidirectional horn

YL60/3 directional horn