



- 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	5 J xenon flash tubes					
Horn version	directional					
Sound pressure level	max. 120 dB(A) @ 1 m					
Connection chamber version	Ex d					
Certificates	ATEX (BVIS), IECEX (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX)	Clear	–	12 ... 27.2 V	YL60/334-DL101-00CW10-ST000-0000	327627	8.75 kg
IECEX	Red	–	12 ... 27.2 V	YL60/334-DL101-00RW10-ST000-0000	329342	8.23 kg
United Kingdom			110 ... 240 V	YL60/334-PL101-00RW10-ST000-0000	328296	8.92 kg

Selection Table

Lamp Horn version Sound pressure level Connection chamber version Certificates		5 J xenon flash tubes directional max. 120 dB(A) @ 1 m Ex e ATEX (BVIS), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX United Kingdom	Amber	–	12 ... 27.2 V	YL60/324-DL101-00AW30-ST000-0000	319424	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00AW30-ST000-0000	319432	8.56 kg
	Blue	–	12 ... 27.2 V	YL60/324-DL101-00BW30-ST000-0000	319425	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00BW30-ST000-0000	319433	8.56 kg
	Clear	–	12 ... 27.2 V	YL60/324-DL101-00CW30-ST000-0000	319426	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00CW30-ST000-0000	319367	8.56 kg
	Green	–	12 ... 27.2 V	YL60/324-DL101-00GW30-ST000-0000	319427	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00GW30-ST000-0000	319368	8.56 kg
	Red	–	12 ... 27.2 V	YL60/324-DL101-00RW30-ST000-0000	319428	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00RW30-ST000-0000	319369	8.56 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex d ATEX (BVIS), China (CQST), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) China (CQST) IECEX United Kingdom	Red	–	12 ... 27.2 V	YL60/334-DS101-00RW10-ST005-0007	343704	6.38 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex d ATEX (BVIS), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX United Kingdom	Amber	–	12 ... 27.2 V	YL60/334-DS101-00AW10-ST000-0000	321220	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00CW10-ST000-0000	327763	7.08 kg
	Blue	–	12 ... 27.2 V	YL60/334-DS101-00BW10-ST000-0000	321351	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00CW10-ST000-0000	327763	7.08 kg
	Clear	–	12 ... 27.2 V	YL60/334-DS101-00CW10-ST000-0000	321355	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00CW10-ST000-0000	327763	7.08 kg
	Green	–	12 ... 27.2 V	YL60/334-DS101-00GW10-ST000-0000	321356	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00GW10-ST000-0000	327763	7.08 kg
	Red	–	12 ... 27.2 V	YL60/334-DS101-00RW10-ST000-0000	321242	6.9 kg
110 ... 240 V		133 ... 272 V	YL60/334-PS101-00RW10-ST000-0000	318821	7.08 kg	
Yellow	–	12 ... 27.2 V	YL60/334-DS101-00YW10-ST000-0000	321357	6.9 kg	
	110 ... 240 V	133 ... 272 V	YL60/334-PS101-00YW10-ST000-0000	344425	6.56 kg	

Selection Table						
Lamp	5 J xenon flash tubes					
Horn version	omnidirectional					
Sound pressure level	max. 114 dB(A) @ 1 m					
Connection chamber version	Ex d					
Certificates	ATEX (BVIS), IECEx (BVIS), India (PESO)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX)	Green	–	12 ... 27.2 V	YL60/334-DS101-00GW10-ST004-0003	346557	6.39 kg
Brazil						
IECEX						
United Kingdom						
Lamp	5 J xenon flash tubes					
Horn version	omnidirectional					
Sound pressure level	max. 114 dB(A) @ 1 m					
Connection chamber version	Ex e					
Certificates	ATEX (BVIS), China (CQST), IECEx (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX)	Red	–	12 ... 27.2 V	YL60/324-DS101-00RW30-ST005-0007	343320	6.02 kg
China (CQST)						
IECEX						
United Kingdom						
Lamp	5 J xenon flash tubes					
Horn version	omnidirectional					
Sound pressure level	max. 114 dB(A) @ 1 m					
Connection chamber version	Ex e					
Certificates	ATEX (BVIS), IECEx (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX)	Amber	–	12 ... 27.2 V	YL60/324-DS101-00AW30-ST000-0000	312358	6.54 kg
IECEX						
United Kingdom						
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00AW30-ST000-0000	319370	6.72 kg
	Blue	–	12 ... 27.2 V	YL60/324-DS101-00BW30-ST000-0000	319429	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00BW30-ST000-0000	319411	6.72 kg
	Clear	–	12 ... 27.2 V	YL60/324-DS101-00CW30-ST000-0000	319430	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00CW30-ST000-0000	319412	6.72 kg
	Green	–	12 ... 27.2 V	YL60/324-DS101-00GW30-ST000-0000	319431	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00GW30-ST000-0000	319413	6.72 kg
	Red	–	12 ... 27.2 V	YL60/324-DS101-00RW30-ST000-0000	312360	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00RW30-ST000-0000	319414	6.72 kg
Lamp	LED dome light fitting					
Horn version	directional					
Sound pressure level	max. 120 dB(A) @ 1 m					
Connection chamber version	Ex d					
Certificates	ATEX (BVIS), IECEx (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX)	Amber	–	12 ... 27.2 V	YL60/336-DL801-00AW10-ST000-0000	322606	8.79 kg
IECEX						
United Kingdom						
	Clear	–	12 ... 27.2 V	YL60/336-DL801-00CW10-ST000-0000	322605	8.79 kg
		110 ... 240 V	133 ... 272 V	YL60/336-PL801-00CW10-ST000-0000	327764	8.96 kg
	Red	–	12 ... 27.2 V	YL60/336-DL801-00RR10-ST000-0000	329428	8.27 kg

Selection Table

Lamp Horn version Sound pressure level Connection chamber version Certificates		LED dome light fitting directional max. 120 dB(A) @ 1 m Ex e ATEX (BVIS), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX United Kingdom	Amber	–	12 ... 27.2 V	YL60/326-DL801-00AW30-ST000-0000	319415	8.43 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PL801-00AW30-ST000-0000	319443	6.68 kg
	Blue	–	12 ... 27.2 V	YL60/326-DL801-00BW30-ST000-0000	319416	8.43 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PL801-00BW30-ST000-0000	319444	8.61 kg
	Clear	–	12 ... 27.2 V	YL60/326-DL801-00CW30-ST000-0000	319417	8.43 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PL801-00CW30-ST000-0000	319445	8.61 kg
	Green	–	12 ... 27.2 V	YL60/326-DL801-00GW30-ST000-0000	319418	8.43 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PL801-00GW30-ST000-0000	319446	8.61 kg
	Red	–	12 ... 27.2 V	YL60/326-DL801-00RR30-ST000-0000	319419	8.43 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PL801-00RR30-ST000-0000	319447	8.61 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		LED dome light fitting omnidirectional max. 114 dB(A) @ 1 m Ex d ATEX (BVIS), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX United Kingdom	Amber	110 ... 240 V	133 ... 272 V	YL60/336-PS801-00AW10-ST000-0000	327353	-
	Blue	110 ... 240 V	133 ... 272 V	YL60/336-PS801-00BW10-ST000-0000	327231	7.12 kg
	Clear	–	12 ... 27.2 V	YL60/336-DS801-00CW10-ST000-0000	327762	6.94 kg
		110 ... 240 V	133 ... 272 V	YL60/336-PS801-00CW10-ST000-0000	328909	6.6 kg
	Red	–	12 ... 27.2 V	YL60/336-DS801-00RR10-ST000-0000	318584	6.94 kg
		110 ... 240 V	133 ... 272 V	YL60/336-PS801-00RR10-ST000-0000	318585	7.12 kg
	Yellow	–	12 ... 27.2 V	YL60/336-DS801-00YW10-ST000-0000	322513	6.94 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		LED dome light fitting omnidirectional max. 114 dB(A) @ 1 m Ex e ATEX (BVIS), Brazil (ULB), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) Brazil IECEX United Kingdom	Red	–	12 ... 27.2 V	YL60/326-DS801-00RR30-ST004-0003	343165	6.07 kg

Selection Table

Lamp Horn version Sound pressure level Connection chamber version Certificates		LED dome light fitting omnidirectional max. 114 dB(A) @ 1 m Ex e ATEX (BVIS), China (CQST), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) China (CQST) IECEX United Kingdom	Red	–	12 ... 27.2 V	YL60/326-DS801-00RR30-ST005-0007	343163	6.07 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		LED dome light fitting omnidirectional max. 114 dB(A) @ 1 m Ex e ATEX (BVIS), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX United Kingdom	Amber	–	12 ... 27.2 V	YL60/326-DS801-00AW30-ST000-0000	312371	6.58 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PS801-00AW30-ST000-0000	319448	6.76 kg
	Blue	–	12 ... 27.2 V	YL60/326-DS801-00BW30-ST000-0000	319420	6.58 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PS801-00BW30-ST000-0000	319449	6.76 kg
	Clear	–	12 ... 27.2 V	YL60/326-DS801-00CW30-ST000-0000	319441	6.58 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PS801-00CW30-ST000-0000	319450	6.76 kg
	Green	–	12 ... 27.2 V	YL60/326-DS801-00GW30-ST000-0000	319442	6.58 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PS801-00GW30-ST000-0000	319451	6.76 kg
	Red	–	12 ... 27.2 V	YL60/326-DS801-00RR30-ST000-0000	312359	6.58 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PS801-00RR30-ST000-0000	319452	6.76 kg
	Yellow	–	12 ... 27.2 V	YL60/326-DS801-00YW30-ST000-0000	320051	6.58 kg
		110 ... 240 V	133 ... 272 V	YL60/326-PS801-00YW30-ST000-0000	322507	6.76 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		LED dome light fitting omnidirectional max. 114 dB(A) @ 1 m Ex e ATEX (BVIS), IECEx (BVIS), India (PESO)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX India United Kingdom	Red	–	12 ... 27.2 V	YL60/326-DS801-00RR30-ST003-0000	343164	6.07 kg

Technical Data

Variant	YL60/326 LED dome light fitting Ex e	YL60/324 xenon flash tubes Ex e	YL60/336 LED dome light fitting Ex d	YL60/334 xenon flash tubes Ex d
Explosion Protection				
IECEX gas explosion protection	Ex db eb IIC T6 / T4 Gb	Ex db eb IIC T4 Gb	Ex db IIC T6 / T4 Gb	Ex db IIC T4 Gb
IECEX dust explosion protection	Ex tb IIIC T80 °C / T100 °C Db	Ex tb IIIC T100 °C Db	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	Ex II 2 G Ex db IIC T6 / T4 Gb	Ex II 2 G Ex db 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	Ex II 2 D Ex tb IIIC T80 °C / T100 °C Db	Ex II 2 D Ex tb IIIC T100 °C Db

Technical Data

Variant	YL60/326 LED dome light fitting Ex e	YL60/324 xenon flash tubes Ex e	YL60/336 LED dome light fitting Ex d	YL60/334 xenon flash tubes Ex d
Explosion Protection				
Declaration of conformity	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)
Electrical Data				
Line monitoring	Yes	Yes	Yes	Yes
Tolerance	-10 ... 10 %	-10 ... 10 %	-10 ... 10 %	-10 ... 10 %
Acoustic Data				
Sound level	4	4	4	4
Volume control	Max. -18 dB(A) adjustment	Max. -18 dB(A) adjustment	Max. -18 dB(A) adjustment	Max. -18 dB(A) adjustment
Ambient Conditions				
Ambient temperature	-40 °C ... 40 °C (T6) -40 °C ... 70 °C (T4)	-40 °C ... 70 °C (T4)	-40 °C ... 40 °C (T6) -40 °C ... 70 °C (T4)	-40 °C ... 70 °C (T4)
Storage temperature	-60 °C ... 70 °C	-60 °C ... 70 °C	-60 °C ... 70 °C	-60 °C ... 70 °C
Mechanical Data				
IP degree of protection (IEC 60598)	IP66	IP66	IP66	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant
Enclosure colour	red, similar to RAL 3020	red, similar to RAL 3020	red, similar to RAL 3020	red, similar to RAL 3020
Silicone-free content	Contains silicone	Contains silicone	Contains silicone	Contains silicone
Trumpet material	PC/PBT	PC/PBT	PC/PBT	PC/PBT
Material dome	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic
Protective collar material	Polycarbonate (PC cover)	Polycarbonate (PC cover)	Polycarbonate (PC cover)	Polycarbonate (PC cover)
Wire guard material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Max. solid connection terminals	4 mm ²	4 mm ²	4 mm ²	4 mm ²
Max. finely stranded connection terminals	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
Mounting / Installation				
Mounting part material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection type	Push in	Push in	Push in	Push in
Components				
Drilled holes	2 x M20 + 2 x M25	2 x M20 + 2 x M25	2x M20 + 2x 1/2"	2x M20 + 2x 1/2"
Cable glands and entries	1 x M20 Ø 4 ... 13 mm 1 x M25 Ø 7 ... 17 mm	1 x M20 Ø 4 ... 13 mm 1 x M25 Ø 7 ... 17 mm		
Stopping plugs	2x M20 + 2x M25	2x M20 + 2x M25	2x M20 + 2x 1/2"	2x M20 + 2x 1/2"

You can find more technical data online at r-stahl.com. MY R. STAHL YL60C

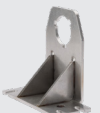
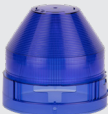
Accessories

Figure	Description	Art. No.	Weight
Metal cable gland			
	Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass) 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) 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) 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) Type 20PXSS2K-REX, M20 x 1.5	246605	200 g

Accessories

Figure	Description	Art. No.	Weight
Plastic cable gland			
	8161/7-M20-1304, Ex e Polyamide, M20 x 1,5 mm, 4 – 13 mm Lot size 50 pieces	239156	10 g
Stopping plug			
	8290/3-M20 Plastic, M20 x 1.5 Lot size 1 piece	143522	7 g
	8290/3-M20 Plastic, M20 x 1.5 Lot size 100 pieces	285773	500 g

Spare Parts

Figure	Description	Art. No.	Weight
Mounting accessories			
	L-bracket, stainless steel 1.4404	319271	655 g
	U-bracket, stainless steel 1.4404	319280	1.55 kg
Protective cage			
	Protective cage, stainless steel 1.4404	319272	555 g
Textured lens			
	amber	319273	485 g
	blue	319274	485 g
	green	319275	485 g
	clear	319276	485 g
	red	319278	485 g

Spare Parts

Figure	Description	Art. No.	Weight
Textured lens			
	yellow (YL60/3, FL60/3)	319279	485 g
Lamp			
	Xenon tube PCB 5 joules	319281	-
Shaped horn			
	directional, repair kit	319249	1.01 kg
	omnidirectional, repair kit	319250	625 g

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

