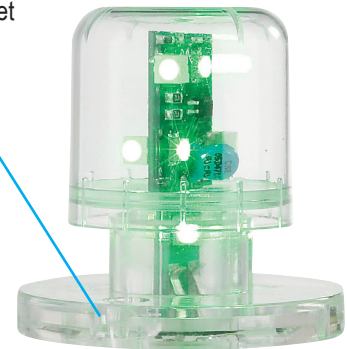


**LED Bulbs** – Steady Light LLL  
– Flashing Light LLB



LED bulb shown in socket



**Features**

- ▶ Complete LED bulb offering
- ▶ Up to date LED technology
- ▶ Absolutely shock and vibration proof, maintenance-free
- ▶ Excellent brightness
- ▶ Very long lifetime – up to approx. 100.000 h (min. 50 times longer than bulbs)
- ▶ Models for LED steady or flashing led light
- ▶ PLC fit (leakage/inrush current)
- ▶ Higher LED bulb prices vs. bulbs amortize very quickly due to favourable price-performance ratio



**Technical data**

Type	LLL	LLB
Housing	polycarbonate	
LED colours	amber, red, clear, blue, green, yellow	
Socket	BA 15 d	
Duty cycle factor	100 %	
Flashing frequency	---	~ 2 Hz
Lifetime	~ 100.000 h	
Weight	15 g	

**Colour code**

Colour code		C	
1	amber	5	blue
2	red	6	green
4	clear	7	yellow



**Order data**

Nominal voltage (V)	Order No./Type		Nominal current (A)			
	LLL	LLB	LLL		LLB	
	LED steady light	LED flashing light	red/orange/yellow	green/blue/clear	red/orange/yellow	green/blue/clear
12 V AC/DC	893 00C 404	893 01C 404	0,035	0,042	0,039	0,042
24 V AC/DC	893 00C 405	893 01C 405	0,029	0,024	0,043	0,036
48 V AC/DC	893 00C 408	893 01C 408	0,019	0,016	0,026	0,026
110/120 V AC	893 00C 310	893 01C 310	0,021	0,020	0,021	0,021
230/240 V AC	893 00C 313	893 01C 313	0,020	0,020	0,021	0,021



## Order data

Bulbs								
Nominal current (V)	Type	Socket	Order No.	Wattage	Type	Socket	Order No.	Wattage
12	GL01	BA15d	890 010 904	5 W	GL15	BA15d	890 012 910	4 W
24	GL02		890 010 905	6,5 W	GL16		890 012 913	4 W
48	GL03		890 010 908	5 W	GL21		890 025 904	25 W
60	GL04		890 010 909	7 W	GL22		890 025 905	
110/120	GL05		890 010 910	7 W	GL23		890 025 908	
230/240	GL06		890 010 913	6 W	GL24		890 025 909	
12	GL11		890 012 904	4 W	GL25		890 025 910	
24	GL12		890 012 905	4 W	GL26		890 025 913	



Xenon tubes		
Type	Order No.	Strobe energy
XT30	890 130 900	30 J
XT15	890 115 900	15 J
XT07	890 107 900	7 J

Halogen bulbs												
Nominal current (V)	Type	Socket	Order No.	Wattage	Type	Socket	Order No.	Wattage	Type	Socket	Order No.	Wattage
12	HL51	GY 6.35	890 050 904	50 W	HL31	GY 6.35	890 035 904	35 W	HL21	GY 6.35	890 020 904	20 W
24	HL52		890 050 905		HL32		890 035 905		HL22		890 020 905	
110/120	HL55	G 6.35	890 050 910		HL33	G 6.35	890 035 910		HL25	G 6.35	890 020 910	
230/240	HL56		890 050 913		HL36		890 035 913		HL26		890 020 913	

## OVERVIEW - Light source options for AUER signalling equipment

Type	Bulbs			LED Bulbs		Halogen bulbs			Xenon tubes		
	GL 4 W	GL 5-7 W	GL 25 W	LLL	LLB	HL 50 W	HL 35 W	HL 20 W	XT 30	XT 15	XT 07
MLL-MBL-MRL											
MLM-MBM-MRM											
MLS-MBS-MRS											
MFL											
MFM											
MFS											
WLK											
WLG-BKG											
XLL											
YLL											
ZLL											
VLL											
VLB											
SLL											
SLB											
SLP-SLD											
SBP											
KLL-KDL											