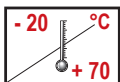
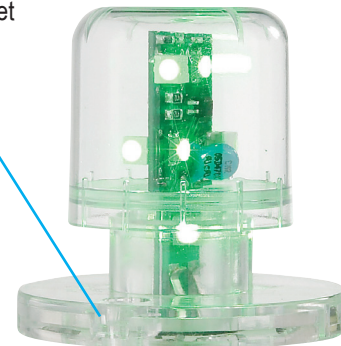


Features

- 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

LED bulb
shown in socket



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

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



Order data

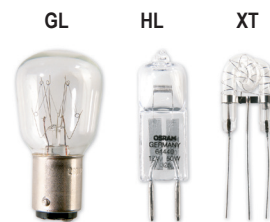
Nominal voltage (V)	Order No./Type		Nominal current (A)			
	LLL	LLB	LLL		LLB	
	LED steady light	LED flashing light	red/orange/yellow	green/blue/clear	red/orange/yellow	green/blue/clear
12 V AC/DC	893 00C 404	893 01C 404	0,035	0,042	0,039	0,042
24 V AC/DC	893 00C 405	893 01C 405	0,029	0,024	0,043	0,036
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

Bulbs, Halogen Bulbs, Xenon Tubes



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.	Stroke 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											