



DR. FISCHER
Group

Traffic Lamps / High Voltage and Low Voltage

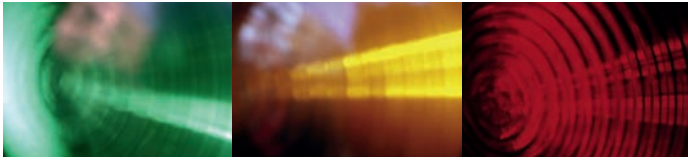


Product Portfolio and Prices 2009 / 2010

All prices are in Euro and ex VAT



Dr. Fischer Traffic lamps product offer



Still there are a lot of Traffic installations operated with lamps for 220-230V. Due to the reinforced construction, the Dr. Fischer lamps have been proven reliable throughout the years. Reliability and high light output are the product characteristics which are needed for the high demand in the traffic application.

The long market experience of the Dr Fischer Group learned that demands are different in the various parts of Europe.

Therefore the product portfolio of Dr. Fischer is divided in three Quality levels.

The Professional levels have a Krypton filling, which extend the lifetime of the lamps up to 15000 hours (maintenance interval of 8 to 9 months). Our Quality Range level is designed for a lifetime of 8000 hours (maintenance interval of 3 to 4 months). The Standard Range we offer for those applications where no high demands are required.

With this Product offer, the Dr Fischer group is able to offer any quality, requested in the specific application.

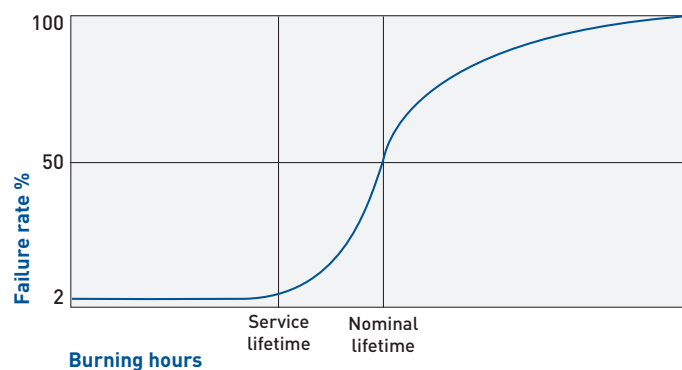
	A60 / A65	K60 / K50
Professional	<ul style="list-style-type: none"> • 9 supports • Early failure guarantee • Vibration test • Industrial pack / box • Nickel cap • 15.000 hours lifetime 	<ul style="list-style-type: none"> • 9 supports • Early failure guarantee • Vibration test • Industrial pack / box • Nickel cap • 15.000 hours lifetime
Quality	<ul style="list-style-type: none"> • 9 supports • Early failure guarantee • Industrial pack / Box • 8.000 hours lifetime 	<ul style="list-style-type: none"> • 9 supports • Early failure guarantee • Industrial pack / Box • 8.000 hours lifetime
Standard	—	<ul style="list-style-type: none"> • 3 supports • Industrial pack • 8.000 hours lifetime

If you do not find your specific product in our product Range, we offer you to produce specials on request. Please contact your Dr. Fischer representative.

Lifetime

Service lifetime is expressed in hours of which 98% of the lamps are still operating, when used under their defined application and circumstances (2% failure rate).

Nominal lifetime is defined in hours of which 50% of the lamps are still operating, when used under their defined application and circumstances (50% failure rate).



Eco Traffic range

Shape A 60

New in the portfolio of Dr Fischer is the Eco-Traffic range. By using a special tungsten wire and high quality inert gas, the lamp sustains her flux, but uses 20% less energy. The EcoTraffic

lamp technical design is based on the same characteristics as the professional range; exact position of the wire with 9 supports, nickel cap, vibration tested and available in industrial pack

The EcoTraffic range is available in 80W (instead of 100W), 60W (instead of 75W) and 48W (instead of 60W) for shapes A 60 and K 60. Nominal lifetime of the lamp is 8000 hours.

Conversion table

Volt		Nominal lifetime	Service lifetime							
235	High Voltage Professional Lamp	8000	3000	Traffic Lamps, DIN 67527						
Maintenance interval 3-4 months										
Code	Type ECO Traffic	Shape	Flux			Shape	Current Type	Current Code		
8247 380 44420	A 60 235V 80W E 27 CL 1CT/20	A 60	740	8000	3000	A 65	A 65 235V 100W E 27 CL 1CT/20	8347 100 44420		
8247 380 44460	A 60 235V 80W E 27 CL IND/60	A 60	740	8000	3000	A 65	A 65 235V 100W E 27 CL IND/40	8347 100 44440		
8247 360 44420	A 60 235V 60W E 27 CL 1CT/20	A 60	520	8000	3000	A 60	A 60 235V 75W E 27 CL 1CT/20	8247 075 44420		
8247 360 44460	A 60 235V 60W E 27 CL IND/60	A 60	520	8000	3000	A 60	A 60 235V 75W E 27 CL IND/60	8247 075 44460		
8247 348 44420	A 60 235V 48W E 27 CL 1CT/20	A 60	405	8000	3000	A 60	A 60 235V 60W E 27 CL 1CT/20	8247 060 44420		
8247 348 44460	A 60 235V 48W E 27 CL IND/60	A 60	405	8000	3000	A 60	A 60 235V 60W E 27 CL IND/60	8247 060 44460		
8747 380 44420	K 60 235V 80W E 27 CL 1CT/20	K 60	740	8000	3000	K 60L	K 60 235V 100W E 27 CL 1CT/20	8747 100 44420		
8747 380 44460	K 60 235V 80W E 27 CL IND/60	K 60	740	8000	3000	K 60L	K 60 235V 100W E 27 CL IND/60	8747 100 44460		
8747 360 44420	K 60 235V 60W E 27 CL 1CT/20	K 60	520	8000	3000	K 60	K 60 235V 75W E 27 CL 1CT/20	8747 075 44420		
8747 360 44460	K 60 235V 60W E 27 CL IND/60	K 60	520	8000	3000	K 60	K 60 235V 75W E 27 CL IND/60	8747 075 44460		
8747 348 44420	K 60 235V 48W E 27 CL 1CT/20	K 60	405	8000	3000	K 60	K 60 235V 60W E 27 CL 1CT/20	8747 060 44420		
8747 348 44460	K 60 235V 48W E 27 CL IND/60	K 60	405	8000	3000	K 60	K 60 235V 60W E 27 CL IND/60	8747 060 44460		

Annual Energy Cost Savings Worksheet

1. Compute the total power saved by upgrading from standard to energy saving Traffic Light lamps

Original Lamp Wattage	Replacement Lamp Wattage	Watts Saved per Lamp	# of Lamps to Replace	Total Watts Saved	Total Kilowatts Saved
75 W	60 W	15 W	3000 lamps	45000 W	45 kW

2. Compute the total energy (kilowatt hours, kWh) saved annually by performing this upgrade

Total Kilowatts Saved	Hours of Use per Day	Days of Use per Week	Weeks of Use per Year	Total kWh Saved per Year
45 kW	7 hrs/day	7	52 wks/yr	114660 kWh/yr

3. Compute the total energy cost savings per year

Total kWh Saved per Year	Your Energy Cost per kWh (typically €0.07)	Total Energy Cost Savings per Year
114660 kWh/yr	0,12	13759,2 €

4. Input price of the lamps (annual maintenance 1 year)

Original Lamp	Replacement Eco lamp
2,15 €	3,60 €

$$5. \text{ Simple Payback} = \frac{\text{Initial Cost of Lighting Upgrade}}{\text{Total Energy Cost Savings per Year}} = \frac{4350}{13759,2} = 0,316 \text{ years}$$

6. CO₂ emission reduction

Total kWh Saved per Year	CO ₂ emission reduction per kWh	Total CO ₂ emission Savings per Year
114660 kWh/yr	0,43	49,3038 Tons of CO ₂

Eco Traffic range
Shape A 60 / K 60



Volt				Nominal lifetime	Service lifetime			
235		High Voltage Professional Lamp		8000	3000	Traffic Lamps, DIN 67527		
Maintenance interval 3-4 months								
Code	Type	Shape	Flux			Stock	Packing Unit	List price
8247 380 44420	A 60 235V 80W E 27 CL 1CT/20	A 60	740	8000	3000	x	20	3,90
8247 380 44460	A 60 235V 80W E 27 CL IND/60	A 60	740	8000	3000	x	60	3,80
8247 360 44420	A 60 235V 60W E 27 CL 1CT/20	A 60	520	8000	3000	x	20	3,60
8247 360 44460	A 60 235V 60W E 27 CL IND/60	A 60	520	8000	3000	x	60	3,50
8247 348 44420	A 60 235V 48W E 27 CL 1CT/20	A 60	405	8000	3000	x	20	3,20
8247 348 44460	A 60 235V 48W E 27 CL IND/60	A 60	405	8000	3000	x	60	3,10



Volt				Nominal lifetime	Service lifetime			
235		High Voltage Professional Lamp		8000	3000	Traffic Lamps, DIN 67527		
Maintenance interval 3-4 months								
Code	Type	Shape	Flux			Stock	Packing Unit	List price
8747 380 44420	K 60 235V 80W E 27 CL 1CT/20	K 60	740	8000	3000	x	20	3,90
8747 380 44460	K 60 235V 80W E 27 CL IND/60	K 60	740	8000	3000	x	60	3,80
8747 360 44420	K 60 235V 60W E 27 CL 1CT/20	K 60	520	8000	3000	x	20	3,60
8747 360 44460	K 60 235V 60W E 27 CL IND/60	K 60	520	8000	3000	x	60	3,50
8747 348 44420	K 60 235V 48W E 27 CL 1CT/20	K 60	405	8000	3000	x	20	3,20
8747 348 44460	K 60 235V 48W E 27 CL IND/60	K 60	405	8000	3000	x	60	3,10

Professional range

Shape A 60



Volt				Nominal lifetime	Service lifetime				
235	High Voltage Professional Lamp			15000	6000	Long Life Traffic lamps; DIN 67527			
130	High Voltage Professional Lamp			15000	6000	Long Life Traffic lamps; DIN 67527			
Maintenance interval 8-9 months									
Code	Type	Shape	Flux			Stock	Packing Unit	List price	
8357 100 44420	A 65 235V LL 100W E 27 CL 1CT/20	A 65	780	15000	6000	x	20	2,88	
8357 100 44440	A 65 235V LL 100W E 27 CL IND/40	A 65	780	15000	6000	x	40	2,68	
8357 101 44420	A 65 235V LL 100W B 22 CL 1CT/20	A 65	780	15000	6000	x	20	3,12	
8357 101 44440	A 65 235V LL 100W B 22 CL IND/40	A 65	780	15000	6000	x	40	2,92	
8257 075 44420	A 60 235V LL 75W E 27 CL 1CT/20	A 60	540	15000	6000	x	20	2,58	
8257 075 44460	A 60 235V LL 75W E 27 CL IND/60	A 60	540	15000	6000	x	60	2,38	
8257 076 44420	A 60 235V LL 75W B 22 CL 1CT/20	A 60	540	15000	6000	x	20	2,82	
8257 076 44460	A 60 235V LL 75W B 22 CL IND/60	A 60	540	15000	6000	x	60	2,62	
8257 060 44420	A 60 235V LL 60W E 27 CL 1CT/20	A 60	405	15000	6000	x	20	2,16	
8257 060 44460	A 60 235V LL 60W E 27 CL IND/60	A 60	405	15000	6000	x	60	1,96	
8257 061 44420	A 60 235V LL 60W B 22 CL 1CT/20	A 60	405	15000	6000	x	20	2,38	
8257 061 44460	A 60 235V LL 60W B 22 CL IND/60	A 60	405	15000	6000	x	60	2,18	
8257 040 44420	A 60 235V LL 40W E 27 CL 1CT/20	A 60	230	15000	6000	x	20	2,16	
8257 040 44460	A 60 235V LL 40W E 27 CL IND/60	A 60	230	15000	6000	x	60	1,96	
8257 041 44420	A 60 235V LL 40W B 22 CL 1CT/20	A 60	230	15000	6000	x	20	2,38	
8257 041 44460	A 60 235V LL 40W B 22 CL IND/60	A 60	230	15000	6000	x	60	2,18	

Professional range

Shape K 60



Volt			Nominal lifetime	Service lifetime					
235	High Voltage Professional Lamp		15000	6000	Long Life Traffic lamps; DIN 67527				
130	High Voltage Professional Lamp		15000	6000	Long Life Traffic lamps; DIN 67527				
Maintenance interval 8-9 months									
Code	Type	Shape	Flux			Stock	Packing Unit	List price	
8757 100 44420	K 60 235V LL 100W E 27 CL 1CT/20	K 60 L	780	15000	6000	x	20	2,88	
8757 100 44460	K 60 235V LL 100W E 27 CL IND/60	K 60 L	780	15000	6000	x	60	2,68	
8757 101 44420	K 60 235V LL 100W B 22 CL 1CT/20	K 60 L	780	15000	6000	x	20	3,12	
8757 101 44460	K 60 235V LL 100W B 22 CL IND/60	K 60 L	780	15000	6000	x	60	2,92	
8757 075 44220	K 60 235V LL 75W E 27 CL 1CT/20	K 60	540	15000	6000	x	20	2,58	
8757 075 44460	K 60 235V LL 75W E 27 CL IND/60	K 60	540	15000	6000	x	60	2,38	
8757 076 44420	K 60 235V LL 75W B 22 CL 1CT/20	K 60	540	15000	6000	x	20	2,82	
8757 076 44460	K 60 235V LL 75W B 22 CL IND/60	K 60	540	15000	6000	x	60	2,62	
8757 060 44420	K 60 235V LL 60W E 27 CL 1CT/20	K 60	405	15000	6000	x	20	2,16	
8757 060 44460	K 60 235V LL 60W E 27 CL IND/60	K 60	405	15000	6000	x	60	1,96	
8757 061 44420	K 60 235V LL 60W B 22 CL 1CT/20	K 60	405	15000	6000	x	20	2,38	
8757 061 44460	K 60 235V LL 60W B 22 CL IND/60	K 60	405	15000	6000	x	60	2,18	
8757 040 44420	K 60 235V LL 40W E 27 CL 1CT/20	K 60	230	15000	6000	x	20	2,16	
8757 040 44460	K 60 235V LL 40W E 27 CL IND/60	K 60	230	15000	6000	x	60	1,96	
8757 041 44420	K 60 235V LL 40W B 22 CL 1CT/20	K 60	230	15000	6000	x	20	2,38	
8757 041 44460	K 60 235V LL 40W B 22 CL IND/60	K 60	230	15000	6000	x	60	2,18	

Quality range

Shape A 60 and P 45



Volt				Nominal lifetime	Service lifetime				
235	High Voltage Quality Lamp			8000	3000	Traffic lamps, DIN 67527			
130	High Voltage Quality Lamp			8000	3000	Traffic lamps, DIN 67527			
Maintenance interval 3-4 months									
Code	Type	Shape	Flux			Stock	Packing Unit	List price	
8945 040 44450	P 45 235V 40W E 27 CL 1CT/50	P 45	276	8000	3000	x	50	2,09	
8945 040 33650	P 45 130V 40W E 27 CL 1CT/50	P 45	304	8000	3000		50	2,19	
8945 041 44450	P 45 235V 40W B 22 CL 1CT/50	P 45	276	8000	3000	x	50	2,29	
8945 041 33650	P 45 130V 40W B 22 CL 1CT/50	P 45	304	8000	3000		50	2,39	
8347 100 44420	A 65 235V 100W E 27 CL 1CT/20	A 65	840	8000	3000	x	20	2,45	
8347 100 44440	A 65 235V 100W E 27 CL IND/40	A 65	840	8000	3000	x	40	2,25	
8347 101 44420	A 65 235V 100W B 22 CL 1CT/20	A 65	840	8000	3000	x	20	2,65	
8347 101 44440	A 65 235V 100W B 22 CL IND/40	A 65	840	8000	3000	x	40	2,45	
8247 075 44420	A 60 235V 75W E 27 CL 1CT/20	A 60	540	8000	3000	x	20	2,15	
8247 075 44460	A 60 235V 75W E 27 CL IND/60	A 60	540	8000	3000	x	60	1,95	
8247 076 44420	A 60 235V 75W B 22 CL 1CT/20	A 60	540	8000	3000	x	20	2,35	
8247 076 44460	A 60 235V 75W B 22 CL IND/60	A 60	540	8000	3000	x	60	2,15	
8247 060 44420	A 60 235V 60W E 27 CL 1CT/20	A 60	405	8000	3000	x	20	1,80	
8247 060 44460	A 60 235V 60W E 27 CL IND/60	A 60	405	8000	3000	x	60	1,60	
8247 061 44420	A 60 235V 60W B 22 CL 1CT/20	A 60	405	8000	3000	x	20	1,98	
8247 061 44460	A 60 235V 60W B 22 CL IND/60	A 60	405	8000	3000	x	60	1,78	
8247 040 44420	A 60 235V 40W E 27 CL 1CT/20	A 60	230	8000	3000	x	20	1,80	
8247 040 44460	A 60 235V 40W E 27 CL IND/60	A 60	230	8000	3000	x	60	1,60	
8247 041 44420	A 60 235V 40W B 22 CL 1CT/20	A 60	230	8000	3000	x	20	1,98	
8247 041 44460	A 60 235V 40W B 22 CL IND/60	A 60	230	8000	3000	x	60	1,78	
8347 100 33620	A 65 130V 100W E 27 CL 1CT/20	A 65	800	8000	3000		20	2,45	
8347 100 33640	A 65 130V 100W E 27 CL IND/40	A 65	800	8000	3000		40	2,25	
8347 101 33620	A 65 130V 100W B 22 CL 1CT/20	A 65	800	8000	3000		20	2,65	
8347 101 33640	A 65 130V 100W B 22 CL IND/40	A 65	800	8000	3000		40	2,45	
8247 075 33620	A 60 130V 75W E 27 CL 1CT/20	A 60	600	8000	3000		20	2,15	
8247 075 33660	A 60 130V 75W E 27 CL IND/60	A 60	600	8000	3000		60	1,95	
8247 076 33620	A 60 130V 75W B 22 CL 1CT/20	A 60	600	8000	3000		20	2,35	
8247 076 33660	A 60 130V 75W B 22 CL IND/60	A 60	600	8000	3000		60	2,15	
8247 060 33620	A 60 130V 60W E 27 CL 1CT/20	A 60	400	8000	3000		20	1,80	
8247 060 33660	A 60 130V 60W E 27 CL IND/60	A 60	400	8000	3000		60	1,60	
8247 061 33620	A 60 130V 60W B 22 CL 1CT/20	A 60	400	8000	3000		20	1,98	
8247 061 33660	A 60 130V 60W B 22 CL IND/60	A 60	400	8000	3000		60	1,78	
8247 040 33620	A 60 130V 40W E 27 CL 1CT/20	A 60	290	8000	3000		20	1,80	
8247 040 33660	A 60 130V 40W E 27 CL IND/60	A 60	290	8000	3000		60	1,60	
8247 041 33620	A 60 130V 40W B 22 CL 1CT/20	A 60	290	8000	3000		20	1,98	
8247 041 33660	A 60 130V 40W B 22 CL IND/60	A 60	290	8000	3000		60	1,78	

Quality range
 Shape K 60


Volt		Nominal lifetime	Service lifetime						
235	High Voltage Quality Lamp	8000	3000	Traffic lamps, DIN 67527					
130	High Voltage Quality Lamp	8000	3000	Traffic lamps, DIN 67527					
Maintenance interval 3-4 months									
Code	Type	Shape	Flux			Stock	Packing Unit	List price	
8747 100 44420	K 60 235V 100W E 27 CL 1CT/20	K60 L	840	8000	3000	x	20	2,45	
8747 100 44460	K 60 235V 100W E 27 CL IND/60	K60 L	840	8000	3000	x	60	2,25	
8747 101 44420	K 60 235V 100W B 22 CL 1CT/20	K60 L	840	8000	3000	x	20	2,65	
8747 101 44460	K 60 235V 100W B 22 CL IND/60	K60 L	840	8000	3000	x	60	2,45	
8747 075 44420	K 60 235V 75W E 27 CL 1CT/20	K 60	540	8000	3000	x	20	2,15	
8747 075 44460	K 60 235V 75W E 27 CL IND/60	K 60	540	8000	3000	x	60	1,95	
8747 076 44420	K 60 235V 75W B 22 CL 1CT/20	K 60	540	8000	3000	x	20	2,35	
8747 076 44460	K 60 235V 75W B 22 CL IND/60	K 60	540	8000	3000	x	60	2,15	
8747 060 44420	K 60 235V 60W E 27 CL 1CT/20	K 60	405	8000	3000	x	20	1,80	
8747 060 44460	K 60 235V 60W E 27 CL IND/60	K 60	405	8000	3000	x	60	1,60	
8747 061 44420	K 60 235V 60W B 22 CL 1CT/20	K 60	405	8000	3000	x	20	1,98	
8747 061 44460	K 60 235V 60W B 22 CL IND/60	K 60	405	8000	3000	x	60	1,78	
8747 040 44420	K 60 235V 40W E 27 CL 1CT/20	K 60	230	8000	3000	x	20	1,80	
8747 040 44460	K 60 235V 40W E 27 CL IND/60	K 60	230	8000	3000	x	60	1,60	
8747 041 44420	K 60 235V 40W B 22 CL 1CT/20	K 60	230	8000	3000	x	20	1,98	
8747 041 44460	K 60 235V 40W B 22 CL IND/60	K 60	230	8000	3000	x	60	1,78	
8747 100 33620	K 60 130V 100W E 27 CL 1CT/20	K60 L	800	8000	3000		20	2,45	
8747 100 33640	K 60 130V 100W E 27 CL IND/40	K60 L	800	8000	3000		40	2,25	
8747 101 33620	K 60 130V 100W B 22 CL 1CT/20	K60 L	800	8000	3000		20	2,65	
8747 101 33640	K 60 130V 100W B 22 CL IND/40	K60 L	800	8000	3000		40	2,45	
8747 075 33620	K 60 130V 75W E 27 CL 1CT/20	K 60	600	8000	3000		20	2,15	
8747 075 33660	K 60 130V 75W E 27 CL IND/60	K 60	600	8000	3000		60	1,95	
8747 076 33620	K 60 130V 75W B 22 CL 1CT/20	K 60	600	8000	3000		20	2,35	
8747 076 33660	K 60 130V 75W B 22 CL IND/60	K 60	600	8000	3000		60	2,15	
8747 060 33620	K 60 130V 60W E 27 CL 1CT/20	K 60	400	8000	3000		20	1,80	
8747 060 33660	K 60 130V 60W E 27 CL IND/60	K 60	400	8000	3000		60	1,60	
8747 061 33620	K 60 130V 60W B 22 CL 1CT/20	K 60	400	8000	3000		20	1,98	
8747 061 33660	K 60 130V 60W B 22 CL IND/60	K 60	400	8000	3000		60	1,78	
8747 040 33620	K 60 130V 40W E 27 CL 1CT/20	K 60	290	8000	3000		20	1,80	
8747 040 33660	K 60 130V 40W E 27 CL IND/60	K 60	290	8000	3000		60	1,60	
8747 041 33620	K 60 130V 40W B 22 CL 1CT/20	K 60	290	8000	3000		20	1,98	
8747 041 33660	K 60 130V 40W B 22 CL IND/60	K 60	290	8000	3000		60	1,78	

Standard range

Shape K 50



Volt				Nominal lifetime	Service lifetime				
235	High Voltage Standard Lamp			8000					Traffic lamps, DIN 67527
130	High Voltage Standard Lamp			8000					Traffic lamps, DIN 67527
Maintenance interval 3-4 months									
Code	Type	Shape	Flux			Stock	Packing Unit	List price	
8845 040 44402	K 50 235V 40W E 27 CL IND/200	K 50	280	8000	3000	x	200	2,09	
8845 041 44402	K 50 235V 40W B 22 CL IND/200	K 50	280	8000	3000	x	200	2,29	
8845 060 44402	K 50 235V 60W E 27 CL IND/200	K 50	490	8000	3000	x	200	2,09	
8845 061 44402	K 50 235V 60W B 22 CL IND/200	K 50	490	8000	3000	x	200	2,29	
8845 075 44402	K 50 235V 75W E 27 CL IND/200	K 50	660	8000	3000	x	200	2,30	
8845 076 44402	K 50 235V 75W B 22 CL IND/200	K 50	660	8000	3000	x	200	2,50	
8845 040 33602	K 50 130V 40W E 27 CL IND/200	K 50	280	8000	3000		200	2,19	
8845 041 33602	K 50 130V 40W B 22 CL IND/200	K 50	280	8000	3000		200	2,39	
8845 060 33602	K 50 130V 60W E 27 CL IND/200	K 50	490	8000	3000		200	2,19	
8845 061 33602	K 50 130V 60W B 22 CL IND/200	K 50	490	8000	3000		200	2,39	
8845 075 33602	K 50 130V 75W E 27 CL IND/200	K 50	660	8000	3000		200	2,40	
8845 076 33602	K 50 130V 75W B 22 CL IND/200	K 50	660	8000	3000		200	2,60	

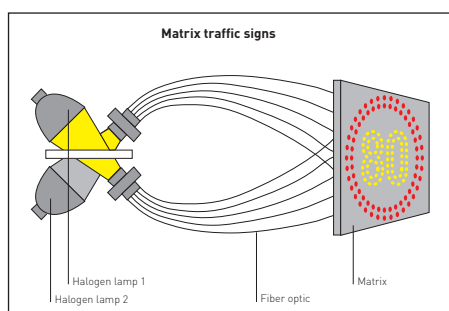
In some countries in Europe, low Voltage lamps are used in the traffic lighting installations.

The program of Dr Fischer for Low Voltage traffic lamps is divided in:

Halogen. Based on continuous improvements, these lamps combine reliability, low energy consumption and a longer lifetime. These lamps make it possible to have a 2 yearly maintenance interval

Low Voltage, High pressure incandescent lamps for 10V and 40V. Also these lamps combine high reliability with a low energy consumption. Lifetime allows a maintenance interval of 6 months. Also Long Life versions are available which enables a maintenance interval of 12 months
Low voltage lamps are also available in double filament technology. Lamps comply to DIN 49842

Lamps for matrix traffic signs. Halogen technology in a cold beam reflector, optimizing the light beam for high light output. By the use of a high quality optic and durable materials, the lamp is suited for high demand applications.



Volt		Nominal lifetime	Service lifetime					
10	Halogen reflector cold beam	6000	2400					Traffic Matrix lamp
10	Halogen reflector cold beam	3500	1400					Traffic Matrix lamp
12	Halogen reflector cold beam	3000	1200					Traffic Matrix lamp
42	Halogen reflector cold beam	5000	2000					Traffic Matrix lamp
Maintenance interval 3-8 months								
		Socket	Flux			Stock	Packing unit	List price
00013995	10V 39W KLS	K23d	200	6000	2400		50	21,70
00013996	10V 48W KLS	K23d	260	6000	2400		50	21,70
60013827	10V 50W KLS	K23d	200	3500	1400		50	21,70
60012997	12V 20W KLS	K23d	140	3000	1200		50	21,70
00012998	12V 50W KLS	K23d	350	3000	1200		50	21,70
60013757	42V 65W KLS	K23d	250	5000	2000		50	70,00



Volt		Nominal lifetime	Service lifetime	
10	Halogen Long Life	25000	13200	Low Voltage Traffic Lamp DIN 67527

Maintenance interval 24 months

Code	Type	Socket	Flux			Stock	Packing unit	List price
00847116	10,5V 20W BA20s	BA 20S	270	25000	13200	x	100	9,50
00847117	10,5V 30W BA20s	BA 20S	400	25000	13200	x	100	9,85

10	Halogen			14000	6600			Low Voltage Traffic Lamp DIN 67527
10	Halogen			12000	5500			Low Voltage Traffic Lamp DIN 67528
10	Halogen			8000	3500			Low Voltage Traffic Lamp DIN 67529
12	Halogen			5500	2500			Low Voltage Traffic Lamp DIN 67530
42	Halogen			8000	4000			Low Voltage Traffic Lamp DIN 67531

Maintenance interval 6-12 months

Code	Type	Socket	Flux			Stock	Packing unit	List price
847108	10,5V 20W BA20s	BA 20S	270	14000	6600		100	8,50
847117	10,5V 30W BA20s	BA 20S	400	14000	6600		100	8,50
6613	10V 35W Ba15d	BA 15D	525	12000	5500		100	5,65
6611	10V 35W	PKX22S	525	8000	3500		100	8,50
13563	10V 50W	PKX22S	950	8000	3500		100	8,50
12345	12V 20W	G 4	420	5500	2500		10	6,00
13512	12V 50W	GY 6.35	935	5500	2500		10	6,00



10	Low Voltage high pressure incandescent Lamp			6000	4400			Traffic Lamp DIN 67527
10	Low Voltage Long Life high pressure incandescent Lamp			15000	8000			Traffic Lamp DIN 67527
10	Low Voltage high pressure incandescent Lamp			8000	4400			Traffic Lamp DIN 67527
40	Low Voltage high pressure incandescent Lamp			8000	4400			Traffic Lamp DIN 67527
40	Low Voltage high pressure incand. Lamp, double filament			8000	4400			Traffic Lamp DIN 67527
44	Low Voltage shape A60 Lamps			8000	4400			Traffic Lamp DIN 67527

Maintenance interval 6 months, LL 12 months

Code	Type	Socket	Flux			Stock	Packing unit	List price
00842412	10V 10W Ba20s	BA20s	80	6000	4400	x		7,89
00842237	10V 20W BA20s	BA20s	270	6000	4400	x	200	8,00
00842238	10V 30W BA20s	BA20s	400	6000	4400	x	200	7,00
00842837	10V 20W BA20s JL	BA20s	270	14000	8800	x	200	8,00
00842838	10V 30W BA 20s JL	BA20s	380	14000	8800	x	200	10,00
00842482	10V 45W BA20s	BA20s	600	6000	4400	x	200	7,00
00842365	10V 20/20W BA20d	BA20d	270	8000	4400	x	200	10,00
00842366	10V 30/30W Ba20d	BA20d	400	8000	4400	x	200	10,25
00842077	40V 25W BA20d	BA20d	250	8000	4400	x	200	9,50
00842078	40V 40W BA20d	BA20d	500	8000	4400	x	200	10
00842243	40V 40W BA20d V	BA20d	500	8000	4400	x	200	9,55
00842079	40V 60W BA20d	BA20d	800	8000	4400	x	200	10,5
00842080	40V 25/25W BA 20d	BA20d	250	8000	4400	x	200	12
00842081	40V 40/40W BA20d	BA20d	500	8000	4400	x	200	12,50
00842082	40V 60/60W BA20d	BA20d	800	8000	4400	x	200	13,00
00842425	P35 40V V 25W BA20d CL 1CT/200	BA20d	250	8000	4400		200	9,35
00842877	40V 25W Ba20d 35x67 Longlife klar	Ba20d	250	8000	6600		200	on request
00842078	40V 40W BA20d LL	BA20d	500	8000	6600		200	on request
9218 107 24602	44V 15W E 27 A 60	E 27	102	8000	3000		60	on request
9218 108 24602	44V 25W E 27 A 60	E 27	215	8000	3000		60	on request
9218 109 24602	44V 40W E 27 A 60	E 27	395	8000	3000		60	on request

JL is equivalent to LL (Long Life; Klar is equivalent to clear

V	W	Shape	Dr. Fischer	Philips	Philips EOC	OSRAM
8000 hour lamps						
230-240	40	A60	8247 040 444..	6944E	12586605	SiG1534
230-240	60	A60	8247 060 444..	6945E	12589705	
230-240	75	A60	8247 075 444..	6943E	12573605	
230-240	100	A65	8247 100 444..	6938E	12620705	
230-240	60	K60	8747 060 444..			SIG 1541
230-240	75	K60	8748 075 444..			SIG 1543
230-240	100	K60	8749 100 444..			SIG 1546
15000 hours lamps						
230-240	40	A60	8257 040 444..			SiG1534 LL
230-240	60	A60	8257 060 444..	9129E	34428175	
230-240	75	A60	8257 075 444..	9138E	34569175	
230-240	100	A65	8257 100 444..	9136E	34545555	
230-240	60	K60	8757 060 444..			SiG1541 LL
230-240	75	K60	8757 075 444..			SiG1543 LL
230-240	100	K60	8757 100 444..			SiG1546 LL
Low voltage halogen lamps						
10,5	20		847116			SiG64032
10,5	30		847117			SiG64033
10	50	PKX22s	13563	13563		SIG 64015
12	20	G4	13345	13345		SIG 64012/1
12	50	GY6.35	13512	13512		SIG 64016
Low voltage high pressure lamps						
10	20	PC35	842237	13580	40019269	SiG1227 (22W)
10	30	PC35	842238	13581	40020869	SiG1238
10	20	PC35	842837 JL	13585	51357769	SiG1227 LL
10	30	PC35	842838 JL	13586	51358469	SiG1238 LL
40	25	PC35	842077	13575	16446969	SiG1455
40	40	PC35	842078	13576	16448369	SiG1462
40	60	PC35	842079	13577	16450669	SiG1470
40	25/25	PC35	842080	13570	16368469	SiG1456
40	40/40	PC35	842081	13571	16370769	SiG1463
40	60/60	PC35	842082	13572	16372169	SiG1471
Matrix lamps						
10	48	REFL	13996	FO 48W	47326444	SIG 6405
12	50	REFL	12998	FO 50W	47514544	
10	50	REFL	60013827	FO 50W	47061444	SIG 64005
42	65	REFL	60013757	FO 65W	40932460	
12	20	REFL	60012997			SIG 64002



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