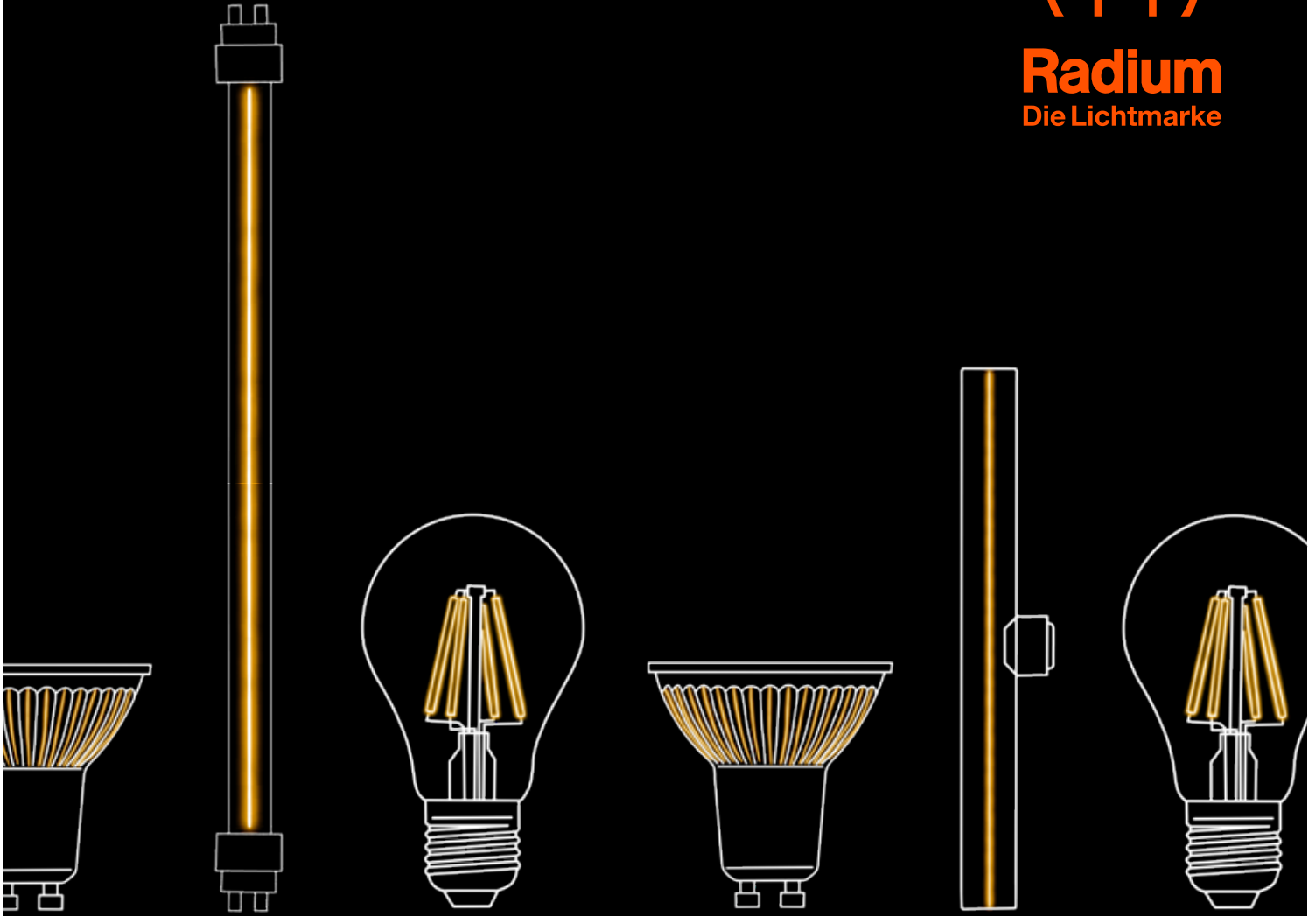




**Radium**  
Die Lichtmarke



**LED  
Lamps**

Sustainable, efficient and qualitative.

**Radium LED lamps  
make the difference.**

[www.radium.de](http://www.radium.de)

# Professional light.

## Radium LED lamps.

You want the best light for your lighting project? Then do you just take whatever? Certainly not. With the LED lamp portfolio from Radium, we offer you high-quality products at reasonable conditions. We are thus following the trend that quality, sustainability and responsibility are once again in demand. Moving away from cheap products that are produced under questionable conditions. Towards branded products that are also worth their money.



### Broad portfolio with over 250 models

With our current portfolio, we offer over 250 LED lamps. In addition, you benefit from especially excellent technical specifications. This means that you will find the right LED lamps for every requirement – from the entry-level to the premium segment.



### Quality Made in Germany

Our RaLEDina, for example, doesn't come from the Far East, but from Wipperfürth. The decorative line lamp replaces the predecessor model Ralina and is manufactured on the same production line. With Radium, you trust a brand that economically combines state-of-the-art lighting technology and a responsible product policy.



### Efficient with high-quality materials

The technical development of LED lamps is proceeding rapidly. This can also be seen in our portfolio, which offers very good performance thanks to extended service life and increased performance. In addition, many models impress with their elegant all-glass design. This also means that most of our lamps do not have a heat sink.



### Safety through long guarantee

Thanks to the high quality of our products, we offer up to five years guarantee on the entire portfolio. The differences in duration usually relate to the "Star" and "Essence" product families. Further information on the guarantee conditions can be found at [www.radium.de/guarantee](http://www.radium.de/guarantee).

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# Sustainable lighting solutions. **Thanks to LED technology.**

Sustainability is becoming increasingly important – for private customers as well as for companies and building operators. Radium's LED lamp portfolio focuses on this topic: with high-quality products in classic design such as the Classic A in bulb shape, the Classic D in drop shape and the Classic C in candle shape. Without fancy gimmicks, but instead in proven Radium brand quality. For people who think before they buy LED lamps.





**LED  
Classic**



# LED Classic

## High-quality lamps in classic design

### Proven designs with state-of-the-art technology

- Lamps in classic design
- Cosy warm white light or colder light colors
- Simple 1:1 exchange
- Extremely energy-saving: up to 85 %
- Long service life: up to 25.000 hours
- 100 % light instantly
- Homogeneous matt finish

### Areas of application

- Restaurants
- Hotels
- Bars
- Apartments and private homes



#### LED Star Classic A

d mm    l mm    Pcs...    h



	W	lm	Dimmable	Dimmer	Temperature	Energy Efficiency	L70		
1 43620818	3.4	470	60	108	E27	●	10	D	25000
1 44020717	5.9	806	60	108	E27	●	10	D	25000
1 43820819	5.9	806	60	108	E27	●	10	D	25000
1 43820718	5.9	806	60	108	E27	○	10	D	25000
1 44020719	7.8	1055	60	108	E27	●	10	D	25000
1 43820820	7.8	1055	60	108	E27	●	10	D	25000
1 43820720	7.8	1055	60	108	E27	○	10	D	25000
1 44020821	11.0	1521	60	108	E27	●	10	D	25000
1 44120855	11.0	1521	60	108	E27	●	10	D	25000
2 44120857	18.0	2452	70	140	E27	●	10	D	25000
2 44120858	18.0	2452	70	140	E27	●	10	D	25000
2 44120859	18.0	2452	70	140	E27	○	10	D	25000



1

**- 5 -**  
**YEARS**  
GUARANTEE



LED Star Classic A Daylight Sensor

d mm

l mm

Pcs...

h



1 43819363

RL-A60 DL 827/F/E27 HS

8.5

806

60

112

E27



10

G

25000



**- 4 -**  
**YEARS**  
GUARANTEE

1

2



**LED Essence Classic A**

d mm

l mm

Pcs...

h



1	44120790	<b>RL-A40 827/F/E27</b>	4.2	470	60	108	E27	●	10	E	15000
1	43920791	<b>RL-A40 830/F/E27</b>	4.2	470	60	108	E27	●	10	E	15000
1	43920792	<b>RL-A40 840/F/E27</b>	4.2	470	60	108	E27	○	10	E	15000
1	44120723	<b>RL-A60 827/F/E27</b>	7.0	806	60	108	E27	●	10	E	15000
1	43920794	<b>RL-A60 830/F/E27</b>	7.0	806	60	108	E27	●	10	E	15000
1	43920725	<b>RL-A60 840/F/E27</b>	7.0	806	60	108	E27	○	10	E	15000
1	43920728	<b>RL-A75 827/F/E27</b>	7.8	1055	60	108	E27	●	10	D	15000
1	43920797	<b>RL-A75 830/F/E27</b>	7.8	1055	60	108	E27	●	10	D	15000
1	43920729	<b>RL-A75 840/F/E27</b>	7.8	1055	60	108	E27	○	10	D	15000
1	44120798	<b>RL-A100 827/F/E27</b>	10.5	1521	60	108	E27	●	10	D	15000
1	43920799	<b>RL-A100 830/F/E27</b>	10.5	1521	60	108	E27	●	10	D	15000
1	43920800	<b>RL-A100 840/F/E27</b>	10.5	1521	60	108	E27	○	10	D	15000
2	44120802	<b>RL-A150 827/F/E27</b>	18.0	2452	70	126	E27	●	10	D	15000
2	44120871	<b>RL-A150 830/F/E27</b>	18.0	2452	70	126	E27	●	10	D	15000
2	43920803	<b>RL-A150 840/F/E27</b>	18.0	2452	70	126	E27	○	10	D	15000



**CRI**  
**>90**

**- 5 -**  
**YEARS**  
GUARANTEE

1



**LED Star Classic A**

d mm

l mm

Pcs...

h



1	44120853	<b>RL-A40 DIM 927/C/E27 FIL</b>	3.4	470	60	108	E27	●	10	D	25000
1	43820716	<b>RL-A60 DIM 927/C/E27 FIL</b>	5.9	806	60	108	E27	●	10	D	25000
1	44120854	<b>RL-A75 DIM 927/C/E27 FIL</b>	7.8	1055	60	108	E27	●	10	D	25000
1	44120856	<b>RL-A100 DIM 927/C/E27 FIL</b>	11.0	1521	60	108	E27	●	10	D	25000



— 4 —  
YEARS  
GUARANTEE



LED Essence Classic A

d mm    l mm                      Pcs..                      h



1	43520851	RL-A40 827/C/E27 FIL	4.2	470	60	108	E27	●	10	E	15000
1	43618711	RL-A40 840/C/E27 FIL	4.0	470	60	105	E27	○	10	E	15000
2	42920722	RL-A60 827/C/E27 FIL	5.9	806	60	108	E27	●	10	D	15000
2	43720795	RL-A60 830/C/E27 FIL	5.9	806	60	108	E27	●	10	D	15000
2	43920852	RL-A60 840/C/E27 FIL	5.9	806	60	108	E27	○	10	D	15000
2	43920726	RL-A75 827/C/E27 FIL	7.8	1055	60	108	E27	●	10	D	15000
3	43920727	RL-A75 840/C/E27 FIL	7.8	1055	60	108	E27	○	10	D	15000
3	44120801	RL-A100 827/C/E27 FIL	10.5	1521	60	108	E27	●	10	D	15000
3	44120880	RL-A100 840/C/E27 FIL	10.5	1521	60	108	E27	○	10	D	15000



— 4 —  
YEARS  
GUARANTEE



LED Essence  
Classic A Ambiente LUX

d mm    l mm                      Pcs..                      h



1	42819838	RL-A50 824/C/E27 FIL Gold	6.5	650	60	105	E27	●	6	F	15000
1	42819839	RL-A63 824/C/E27 FIL Gold	7.5	865	60	105	E27	●	6	E	15000



### LED Star Mini-Ball

d mm

l mm

Pcs...  
Pcs...

h



Glass

1	44020824	<b>RL-D40 DIM 927/F/E14</b>	3.4	470	45	80	E14	●	10	D	25000
2	44020841	<b>RL-D40 DIM 927/F/E27</b>	3.4	470	45	78	E27	●	10	D	25000
2	44120862	<b>RL-D40 DIM 930/F/E27</b>	3.4	470	45	78	E27	●	10	D	25000
1	44120860	<b>RL-D40 DIM 940/F/E14</b>	3.4	470	45	80	E14	○	10	D	25000
2	44120863	<b>RL-D40 DIM 940/F/E27</b>	3.4	470	45	78	E27	○	10	D	25000
1	44120840	<b>RL-D60 DIM 927/F/E14</b>	5.9	806	45	80	E14	●	10	D	25000
1	44120878	<b>RL-D60 DIM 930/F/E14</b>	5.9	806	45	80	E14	●	10	D	25000
2	44120865	<b>RL-D60 DIM 930/F/E27</b>	5.9	806	45	78	E27	●	10	D	25000
1	44120879	<b>RL-D60 DIM 940/F/E14</b>	5.9	806	45	80	E14	○	10	D	25000
2	44120866	<b>RL-D60 DIM 940/F/E27</b>	5.9	806	45	78	E27	○	10	D	25000



### LED Essence Mini-Ball

d mm

l mm

Pcs...

h



Glass

1	44120872	<b>RL-D25 827/F/E14</b>	2.2	250	45	80	E14	●	10	E	15000
2	43820809	<b>RL-D25 827/F/E27</b>	2.2	250	45	78	E27	●	10	E	15000
1	44120814	<b>RL-D40 827/F/E14</b>	4.2	470	45	80	E14	●	10	E	15000
2	44120811	<b>RL-D40 827/F/E27</b>	4.2	470	45	78	E27	●	10	E	15000
1	44120815	<b>RL-D40 830/F/E14</b>	4.2	470	45	80	E14	●	10	E	15000
2	44120812	<b>RL-D40 830/F/E27</b>	4.2	470	45	78	E27	●	10	E	15000
1	44120816	<b>RL-D40 840/F/E14</b>	4.2	470	45	80	E14	○	10	E	15000
2	44120813	<b>RL-D40 840/F/E27</b>	4.2	470	45	78	E27	○	10	E	15000
1	44120734	<b>RL-D60 827/F/E14</b>	6.5	806	45	80	E14	●	10	E	15000
2	44120873	<b>RL-D60 827/F/E27</b>	6.5	806	45	78	E27	●	10	E	15000
1	44120875	<b>RL-D60 830/F/E14</b>	6.5	806	45	80	E14	●	10	E	15000
2	44120874	<b>RL-D60 830/F/E27</b>	6.5	806	45	78	E27	●	10	E	15000



1



### LED Star Mini-Ball

d mm

l mm

Pcs...

h



Glass

1	44020295	<b>RL-D40 DIM 927/C/E14 FIL</b>	3.4	470	45	80	E14	●	10	D	15000
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1



2



### LED Essence Mini-Ball

d mm

l mm

Pcs..

h



Glass

1	43920810	<b>RL-D25 827/C/E14 FIL</b>	2.2	250	45	80	E14	●	10	E	15000
2	43920817	<b>RL-D40 827/C/E14 FIL</b>	4.2	470	45	80	E14	●	10	E	15000
2	43619257	<b>RL-D40 840/C/E14 FIL</b>	4.0	470	45	77	E14	○	10	E	15000
2	43819338	<b>RL-D60 827/C/E14 FIL</b>	6.5	806	45	77	E14	●	10	D	15000



1



LED Essence Ambiente LUX

d mm l mm Pcs.. h



1	42819854	RL-D22 824/C/E14 FIL Gold	2.5	220	45	77	E14	○	6	F	15000
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1



LED Essence Edison Ambiente LUX

d mm l mm Pcs.. h



1	42819855	RL-E22 824/C/E27 FIL Gold	2.5	220	64	143	E27	○	4	F	15000
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CRI >90

- 5 -  
YEARS  
GUARANTEE

W

lm

L70

**LED Star Globe** d mm    l mm    Pcs...    h

1	44120867	RL-G80 100 DIM 927/F/E27	11.0	1521	80	122	E27		10	D	25000	
2	44020735	RL-G95 100 DIM 927/F/E27	11.0	1521	95	140	E27		10	D	25000	
3	44120868	RL-G120 100 DIM 927/F/E27	11.0	1521	125	178	E27		10	D	25000	

- 4 -  
YEARS  
GUARANTEE

W

lm

L70

**LED Essence Globe Ambiente LUX** d mm    l mm    Pcs...    h

1	42819846	RL-G125 52 824/C/E27 FIL Gold		6.5	720	124	168	E27		4	E	15000



1



LED Star Candle

d mm

l mm

Pcs...

h



1	44020822	<b>RL-C40 DIM 927/F/E14</b>	3.4	470	35	97	E14	●	10	D	25000
1	44020730	<b>RL-C60 DIM 927/F/E14</b>	5.9	806	35	97	E14	●	10	D	25000



1



LED Essence Candle

d mm

l mm

Pcs...

h



1	43820804	<b>RL-C25 827/F/E14</b>	2.2	250	35	97	E14	●	10	E	15000
1	44120805	<b>RL-C40 827/F/E14</b>	4.2	470	35	97	E14	●	10	E	15000
1	44120806	<b>RL-C40 830/F/E14</b>	4.2	470	35	97	E14	●	10	E	15000
1	44120807	<b>RL-C40 840/F/E14</b>	4.2	470	35	97	E14	○	10	E	15000
1	44120732	<b>RL-C60 827/F/E14</b>	6.5	806	35	97	E14	●	10	E	15000



1



LED Star Candle

d mm

l mm

v.

h



Glass

1	44020823	<b>RL-C40 DIM 927/C/E14 FIL</b>	3.4	470	35	97	E14		10	D	25000
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1



2



3



4



LED Essence Candle

d mm

l mm

Pcs...

h



Glass

1	43920296	<b>RL-C25 827/C/E14 FIL</b>	2.2	250	35	97	E14		10	E	15000
2	44120808	<b>RL-C40 827/C/E14 FIL</b>	4.2	470	35	97	E14		10	E	15000
3	43820079	<b>RL-CA40 827/C/E14 FIL</b>	4.0	470	35	121	E14		10	E	15000
4	44020188	<b>RL-CW40 827/C/E14 FIL</b>	4.0	470	35	100	E14		10	E	15000
2	44120731	<b>RL-C60 827/C/E14 FIL</b>	6.5	806	35	97	E14		10	E	15000

— 4 —  
YEARS  
GUARANTEE



LED Essence  
Candle Ambiente LUX

d mm    l mm    Pcs.    h



1	42819840	<b>RL-C22</b>	<b>824/C/E14 FIL Gold</b>	2.5	220	35	100	E14	○	6	F	15000
2	42819841	<b>RL-C35</b>	<b>824/C/E14 FIL Gold</b>	4.0	410	35	100	E14	○	6	F	15000
3	42819842	<b>RL-CA22</b>	<b>824/C/E14 FIL Gold</b>	2.5	220	35	121	E14	○	10	F	15000
4	42819843	<b>RL-CW22</b>	<b>824/C/E14 FIL Gold</b>	2.5	220	35	100	E14	○	6	F	15000



Stylishly illuminated.

## LED spotlights for special accents.

Today, almost anyone can sell LED lamps at extremely low prices and with less service. But there are more and more people who don't want to buy these no-name products anymore. Our LED lamp family therefore includes high-quality LED spot lamps such as LED R63, LED PAR16 or LED MR16, which set brilliant highlights with directional light and modern design. For quality-conscious people who appreciate not only brand quality but also personal advice.





**LED  
Spots**

# LED-Spots

## Spot lighting for professional applications

### The new generation focuses on performance

- Direct replacement of incandescent and halogen reflector lamps
- Extremely energy-saving
- Long service life of up to 40.000 hours
- Efficient high-power LEDs
- New innovative design
- Low heat generation
- Many dimmable

### Areas of application

- Shops
- Restaurants
- Hotels
- Bars
- Corridors
- Apartments and private homes



### LED Star PAR16, GU10

d mm    l mm    Pcs.    h



	Star	Beam Spread	Beam Spread (36°)	Beam Spread (60°)	Beam Spread (120°)	Glass	W	lm	Dimmable	Temp	Heat Sink	EL G→A	L70
1	43820751	RL-PAR16 35	DIM 927/36°/GU10	3.0	230	50	54	GU10	○	10	F	25000	
1	44122581	RL-PAR16 35	DIM 930/36°/GU10	3.0	230	50	54	GU10	○	10	F	25000	
1	44122568	RL-PAR16 50	DIM 927/36°/GU10	4.7	350	50	54	GU10	○	10	F	25000	
1	44122569	RL-PAR16 50	DIM 930/36°/GU10	4.7	350	50	54	GU10	○	10	F	25000	
1	44020754	RL-PAR16 50	DIM 940/36°/GU10	4.7	350	50	54	GU10	○	10	F	25000	
1	43922570	RL-PAR16 80	DIM 927/36°/GU10	6.5	575	50	54	GU10	○	10	F	25000	
1	43922571	RL-PAR16 80	DIM 930/36°/GU10	6.5	575	50	54	GU10	○	10	F	25000	
1	44122572	RL-PAR16 80	DIM 940/36°/GU10	6.5	575	50	54	GU10	○	10	F	25000	
1	44020758	RL-PAR16 80	DIM 930/60°/GU10*	6.5	575	50	54	GU10	○	10	F	25000	
2	43919837	RL-PAR16 80	DIM 940/60°/GU10*	8.3	575	50	52	GU10	○	10	G	25000	
3	44122573	RL-PAR16 80	DIM 927/120°/GU10**	6.5	575	50	54	GU10	○	10	F	25000	
3	44122574	RL-PAR16 80	DIM 930/120°/GU10**	6.5	575	50	54	GU10	○	10	F	25000	
4	43920152	RL-PAR16 80	DIM 940/120°/GU10**	7.9	650	50	52	GU10	○	10	G	25000	



1



2



3



4

**- 4 -**  
**YEARS**  
GUARANTEE



**LED Essence PAR16, GU10**

d mm

l mm

Pcs..

h



1	44122582	<b>RL-PAR16 35 827/36°/GU10</b>	3.0	230	50	54	GU10	○	10	F	15000
1	44122583	<b>RL-PAR16 35 830/36°/GU10</b>	3.0	230	50	54	GU10	○	10	F	15000
1	44022575	<b>RL-PAR16 50 827/36°/GU10</b>	4.3	350	50	54	GU10	○	10	F	15000
1	44022576	<b>RL-PAR16 50 830/36°/GU10</b>	4.3	350	50	54	GU10	○	10	F	15000
1	44022577	<b>RL-PAR16 50 840/36°/GU10</b>	4.3	350	50	54	GU10	○	10	F	15000
2	43920766	<b>RL-PAR16 50 827/120°/GU10</b>	4.3	350	50	54	GU10	○	10	G	15000
3	43920767	<b>RL-PAR16 50 830/120°/GU10</b>	4.3	350	50	56	GU10	○	10	G	15000
2	43920768	<b>RL-PAR16 50 840/120°/GU10</b>	4.3	350	50	54	GU10	○	10	G	15000
1	43920769	<b>RL-PAR16 80 827/36°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000
1	43920770	<b>RL-PAR16 80 830/36°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000
4	43820337	<b>RL-PAR16 80 840/36°/GU10</b>	6.9	575	50	52	GU10	○	10	F	15000
1	44120772	<b>RL-PAR16 80 830/60°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000
1	44120773	<b>RL-PAR16 80 840/60°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000
2	43920774	<b>RL-PAR16 80 827/120°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000
2	43920775	<b>RL-PAR16 80 830/120°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000
2	43920776	<b>RL-PAR16 80 840/120°/GU10</b>	6.5	575	50	54	GU10	○	10	F	15000

— 4 —  
YEARS  
GUARANTEE



1



LED Essence MR11, GU4

d mm    l mm    Pcs..    h



1	43820078	<b>RL-MR11 20 827/WFL</b>	2.5	184	35	38	GU4	●	10	G	15000
1	44120739	<b>RL-MR11 35 827/WFL</b>	4.2	345	35	38	GU4	●	10	F	15000



1



2



3

CRI  
>90

— 5 —  
YEARS  
GUARANTEE



LED Star MR16, GU5.3

d mm    l mm    Pcs..    h



3	44122562	<b>RL-MR16 35 DIM 927/36°/GU5.3</b>	5.0	345	50	44	GU5.3	●	10	G	25000
3	44122563	<b>RL-MR16 35 DIM 930/36°/GU5.3</b>	5.0	345	50	44	GU5.3	●	10	G	25000
2	43518455	<b>RL-MR16 35 DIM 940/36°/GU5.3</b>	6.3	350	51	53	GU5.3	○	10	G	40000
3	44020742	<b>RL-MR16 43 DIM 927/36°/GU5.3</b>	6.6	500	50	44	GU5.3	●	10	G	40000
3	43820743	<b>RL-MR16 43 DIM 930/36°/GU5.3</b>	6.6	500	50	44	GU5.3	●	10	G	40000
1	43719737	<b>RL-MR16 43 DIM 940/36°/GU5.3</b>	7.8	500	51	46	GU5.3	○	10	G	40000



— 4 —  
YEARS  
GUARANTEE



LED Essence MR16, GU5.3

d mm    l mm    Pcs.    h



2	44122565	RL-MR16 20 827/36°/GU5.3	2.1	210	50	44	GU5.3	●	10	F	15000
2	43520745	RL-MR16 35 827/36°/GU5.3	3.8	345	50	44	GU5.3	●	10	F	20000
2	44020746	RL-MR16 35 830/36°/GU5.3	3.8	345	50	44	GU5.3	●	10	F	20000
1	43819756	RL-MR16 35 840/36°/GU5.3	3.8	350	51	46	GU5.3	○	10	F	15000
2	44120748	RL-MR16 50 827/36°/GU5.3	6.5	621	50	44	GU5.3	●	10	F	20000
1	43920749	RL-MR16 50 830/36°/GU5.3	6.5	621	50	44	GU5.3	●	10	F	20000
2	43819758	RL-MR16 50 840/36°/GU5.3	8.0	621	51	46	GU5.3	○	10	G	15000



CRI  
>90

— 5 —  
YEARS  
GUARANTEE



LED Star AR111, G53

d mm    l mm    Pcs..    h



1	43820777	RL-AR111 75 DIM 930/FL	11.7	800	111	55	G53	●	6	G	40000
1	43620778	RL-AR111 75 DIM 930/WFL*	11.7	800	111	55	G53	●	6	G	40000

— 4 —  
YEARS  
GUARANTEE



LED Essence R50, R63 & R80

d mm    l mm    Pcs.    h



1	44120779	<b>RL-R50 40 827/36°/E14</b>	2.6	210	50	85	E14	●	10	F	15000
2	43920780	<b>RL-R63 60 827/WFL</b>	4.8	350	63	98	E27	●	10	F	15000
3	43920781	<b>RL-R80 100 827/WFL</b>	8.5	670	80	105	E27	●	10	F	15000





CRI  
>90

— 5 —  
YEARS  
GUARANTEE



**LED Star**  
PAR16, PAR20, PAR30, PAR38

d mm    l mm    Pcs.    h



1	44122596	<b>RL-PAR16 50 DIM 927/36°/E14</b>	4.8	350	50	73	E14	○	10	F	25000
2	43719738	<b>RL-PAR20 50 DIM 927/WFL</b>	6.4	350	65	88	E27	○	6	G	25000
3	43720043	<b>RL-PAR30 75 DIM 927/WFL</b>	10.0	633	95	93	E27	○	6	G	25000
4	43720044	<b>RL-PAR38 120 DIM 927/WFL*</b>	15.2	1035	122	134	E27	○	6	G	25000



— 4 —  
YEARS  
GUARANTEE



**LED Essence PAR38**

d mm    l mm    Pcs.    h



1	43819344	<b>RL-PAR38 120 827/SP</b>	12.5	1035	122	134	E27	○	6	G	25000
2	44120782	<b>RL-PAR38 120 827/FL*</b>	13.5	1035	122	134	E27	○	6	F	25000

Efficient and durable.

## LED tubes that convince.

Experience has shown that products manufactured at very low prices often break down faster than you can say “junk lamp.” Many people are therefore looking for really good alternatives that can be trusted in the long term. This is what Radium’s product range is all about – for example with high-quality LED tubes such as the LED T5 Tubes, LED T8 Tubes or the round LED T9 Ring as replacements for classic fluorescent lamps. For the indestructible who prefer real brand products.





**LED  
Tubes**



The type of luminaire decides.

## The right LED tube for every application.

When replacing fluorescent lamps with the latest Radium LED technology, the choice of the right LED tube depends on the type of luminaire. Basically, there are four circuit options:

– With direct wiring, the LED tube is operated directly on mains voltage. If the existing luminaire is not designed for this operation, the luminaire must be converted. We recommend always using the LED starter supplied and clearly labeling the luminaire (only for LED tubes).

– For luminaires with conventional ballast (CCG), the fluorescent tube is replaced 1:1 with an LED tube. The starter is also replaced by the LED starter supplied. We recommend removing the compensation capacitor.

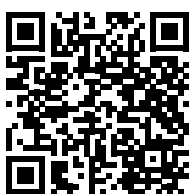
– Our HF or UN versions are suitable for luminaires with electronic control gear (ECG). The tubes are replaced 1:1, but compatibility must be checked using the compatibility list.

– For DC operation, our LED Neo tubes are connected to an external constant current LED driver. For operation in existing luminaires, the installed CCG or ECG must be replaced with a suitable LED driver. Both luminaires with conventional (CCG) and electronic ballasts (ECG) can be converted to DC operation.



[LED Tube Guide](#)

Find the right tube with the help of our Tube Guide.



[Video-Tip:](#)

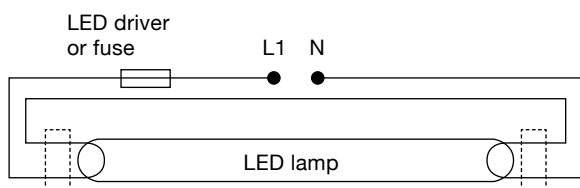
Three simple tricks to determine the operating mode of fluorescent tubes.





# What is the operating mode?

## Direct wiring (230 V).



Which output do you need?

LED T5 Tube	549mm	849mm	1149mm	1449mm	page
Up to 5.600 lm					
<b>LED Star Tube T5 HO AC</b>		-	○	○	38
Up to 2.800 lm					
<b>LED Star Tube T5 HE AC</b>	○	-	○	○	38
LED T8 Tube	600mm	1200mm	1500mm	page	
Up to 4.100 lm					
<b>LED Star Tube T8 Plus U0 EM</b>	-	○●	○●	43	
Up to 3.700 lm					
<b>LED Star Tube T8 HO UN</b>	○●	○●	○●	42	
<b>LED Star Tube T8 HO EM</b>	-	○●	○●	44	
Up to 3.100 lm					
<b>LED Star Tube T8 MS</b>	○	○	○	45	
<b>LED Star Tube T8 Plus EM</b>	○●	○●	○●	43	
<b>LED Star Tube T8 EM</b>	○●	○●	○●	44	
Up to 2.800 lm					
<b>LED Essence Tube T8 UN</b>	-	●○●	●○●	42	
Up to 2.200 lm					
<b>LED Essence Tube T8 EM</b>	●○●	●○●	●○●	46	
Up to 1.700 lm					
<b>LED Star Tube T8 FOOD</b>	-	●	●	45	
LED T9 Ring	212mm	page			
Up to 1.320 lm					
<b>LED Essence T9 Ring EM</b>	○●	46			

# What is the operating mode?



## CCG operation.

Lamp



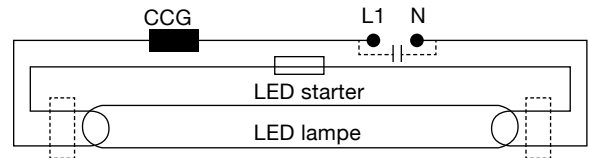
+

Starter



+

Conventional control gear



## Which output do you need?

LED T8 Tube	600mm	1200mm	1500mm	page
Up to 4.100 lm <b>LED Star Tube T8 Plus U0 EM</b>	-	○●	○●	43
Up to 3.700 lm <b>LED Star Tube T8 HO UN</b>	○●	○●	○●	42
<b>LED Star Tube T8 HO EM</b>	-	○●	○●	44
Up to 3.100 lm <b>LED Star Tube T8 MS</b>	○	○	○	45
<b>LED Star Tube T8 Plus EM</b>	○●	○●	○●	43
<b>LED Star Tube T8 EM</b>	○●	○●	○●	44
Up to 2.800 lm <b>LED Essence Tube T8 UN</b>	-	○●●	○●●	42
Up to 2.200 lm <b>LED Essence Tube T8 EM</b>	○●●	○●●	○●●	46
Up to 1.700 lm <b>LED Star Tube T8 FOOD</b>	-	○	○	45
<b>LED T9 Ring</b>			212mm	page
Up to 1.320 lm <b>LED Essence T9 Ring</b>			○●	46

# What is the operating mode?

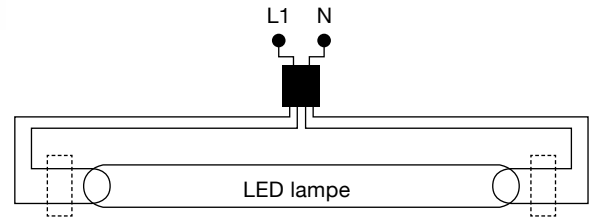
## ECG operation.

Lamp



+

Electronic control gear



## Which output do you need?

LED T5 Tube	549mm	849mm	1149mm	1449mm	page
Up to 5.600 lm					
<b>LED Star Tube T5 HO HF</b>	-	-	○●	○●	36
Up to 2.800 lm					
<b>LED Star Tube T5 HE HF</b>	○●●	○●●	○●●	○●●	37
<hr/>					
LED T8 Tube	600mm	1200mm	1500mm	page	
Up to 3.700 lm					
<b>LED Star Tube T8 HO HF</b>	-	○●	○●	40	
<b>LED Star Tube T8 HO UN</b>	○●	○●	○●	42	
Up to 3.100 lm					
<b>LED Star Tube T8 HF</b>	○●●	○●●	○●●	41	
Up to 2.800 lm					
<b>LED Essence Tube T8 UN</b>	-	○●●	○●●	42	
Up to 800 lm					
<b>LED Essence Tube T8 HF</b>	○●	-	-	41	

Operate only on approved ECGs according to Radium compatibility list [www.radium.de/compatibility](http://www.radium.de/compatibility).

# What is the operating mode?

## DC operation.

LED Neo Tube

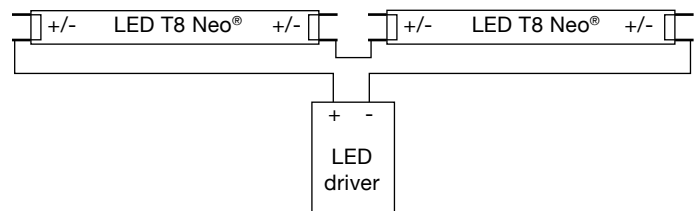


+

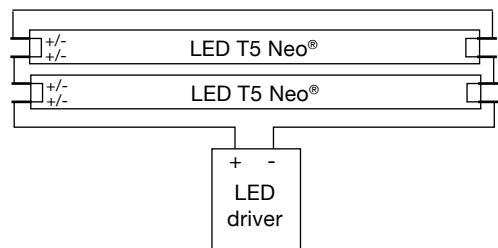
LED driver



Connection example LED T8 Neo® 2-lamp:



Connection example LED T5 Neo® 2-lamp:



## Which output do you need?

LED T5 Neo®	549mm	849mm	1149mm	1449mm	page
Up to 1.800 lm <b>RL-T5 14/24 NEO</b>	● ○ ●	-	-	-	39
Up to 3.150 lm <b>RL-T5 21/39 NEO</b>	-	● ○ ●	-	-	39
Up to 4.400 lm <b>RL-T5 28/54 NEO</b>	-	-	● ○ ●	-	39
Up to 4.300 lm <b>RL-T5 35/49 NEO</b>	-	-	-	● ○ ●	39
Up to 6.200 lm <b>RL-T5 49/80 NEO</b>	-	-	-	● ○ ●	39

LED T8 Neo®	600mm	1200mm	1500mm	page
Up to 1.875 lm <b>LED T8 NEO 18</b>	○ ●	-	-	47
Up to 3.418 lm <b>LED T8 NEO 36</b>	-	○ ●	-	47
Up to 5.180 lm <b>LED T8 NEO 58</b>	-	-	○ ●	47

# Identification.

## LED Tubes.

### Segmentation

SP	Star Plus	Highest demands on function and quality for professional use.
S	Star	Perfect all-rounder for professional use.
	Essence	Pure function at best price.

### Luminous flux

UO	Ultra Output	Highest luminous flux in its class. 1.5m → 4100lm
HO	High Output	High luminous flux and replacement for T5 HO tubes.
HE	High Efficiency	Replacement for T5 HE tubes.

### Operating mode

UN	Universal	Suitable for operation with conventional ballasts (CCG) and selected electronic ballasts (ECG), as well as 230V. For ECG operation, the ballast compatibility must be checked on <a href="http://www.radium.de">www.radium.de</a> before changing.
HF	High Frequency	Suitable for operation with selected electronic ballasts (ECG). A check of the ballast compatibility on <a href="http://www.radium.de">www.radium.de</a> is required before replacement.
EM	Electro Magnetic	Suitable for operation with CCG. Simply replace the existing starter with the LED starter supplied. Also suitable for direct connection to mains voltage (230V).
AC	Alternating Current	Suitable for direct connection to mains voltage (230V).
NEO	Neo	LED tubes for DC operation.



# LED Tubes

## Energy-saving alternatives to fluorescent tubes

### High-quality lighting for a wide range of tasks

- Classic design with glass bulb
- Direct replacement of traditional T8 and T5 fluorescent lamps (ECG or CCG operation)
- Homogeneous light distribution and high luminous flux even at cold ambient temperatures
- Extremely energy-saving
- Fast and flicker-free start
- Wide beam angle
- environmentally friendly: keep old luminaires, just change lamp

### Areas of application

- Industrial lighting
- Parking garages
- Paths and corridors
- Maintenance rooms
- Indirect lighting
- Backlighting



1



#### LED Star Tube T5 HO HF, G5

d mm

l mm

Pcs.

h



1	43920261	RL-T5 49 HO 840/G5 HF	26.0	4000	17	1449	G5	○	10	D	50000
1	43920260	RL-T5 49 HO 865/G5 HF	26.0	4000	17	1449	G5	●	10	D	50000
1	43920262	RL-T5 54 HO 840/G5 HF	26.0	4000	17	1149	G5	○	10	D	50000
1	43920263	RL-T5 54 HO 865/G5 HF	26.0	4000	17	1149	G5	●	10	D	50000
1	43920266	RL-T5 80 HO 840/G5 HF	37.0	5600	17	1449	G5	○	10	D	50000
1	43920267	RL-T5 80 HO 865/G5 HF	37.0	5600	17	1449	G5	●	10	D	50000

Operate only on approved ECGs according to Radium compatibility list [www.radium.de/compatibility](http://www.radium.de/compatibility)



**- 5 -**  
**YEARS**  
GUARANTEE



1



**LED Star Tube T5 HE HF, G5**

d mm

l mm

Pcs...

h



1	43719619	<b>RL-T5 14 HE 830/G5 HF</b>	7.0	900	17	549	G5	○	10	E	50000
1	43720247	<b>RL-T5 14 HE 840/G5 HF</b>	7.0	1000	17	549	G5	○	10	D	50000
1	43719620	<b>RL-T5 14 HE 865/G5 HF</b>	7.0	1000	17	549	G5	●	10	D	50000
1	43719621	<b>RL-T5 21 HE 830/G5 HF</b>	10.0	1350	17	849	G5	○	10	E	50000
1	43719622	<b>RL-T5 21 HE 840/G5 HF</b>	10.0	1500	17	849	G5	○	10	D	50000
1	43719623	<b>RL-T5 21 HE 865/G5 HF</b>	10.0	1500	17	849	G5	●	10	D	50000
1	43920249	<b>RL-T5 28 HE 830/G5 HF</b>	17.0	2150	17	1149	G5	○	10	E	50000
1	43920254	<b>RL-T5 28 HE 840/G5 HF</b>	17.0	2400	17	1149	G5	○	10	E	50000
1	43920252	<b>RL-T5 28 HE 865/G5 HF</b>	17.0	2400	17	1149	G5	●	10	E	50000
1	43920259	<b>RL-T5 35 HE 840/G5 HF</b>	18.0	2800	17	1449	G5	○	10	D	50000
1	43920255	<b>RL-T5 35 HE 865/G5 HF</b>	18.0	2800	17	1449	G5	●	10	D	50000

Operate only on approved ECGs according to Radium compatibility list [www.radium.de/compatibility](http://www.radium.de/compatibility)



1



**LED Star Tube T5 HO AC, G5**

d mm    l mm    Pcs...    h



1	43920277	<b>RL-T5 49 HO 840/G5 AC</b>	26.0	4000	19	1449	G5	○	10	D	50000
1	43920278	<b>RL-T5 54 HO 840/G5 AC</b>	26.0	4000	19	1149	G5	○	10	D	50000
1	43920279	<b>RL-T5 80 HO 840/G5 AC</b>	37.0	5600	19	1449	G5	○	10	D	50000



1



**LED Star Tube T5 HE AC, G5**

d mm    l mm    Pcs..    h



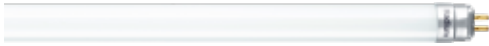
1	43720272	<b>RL-T5 14 HE 840/G5 AC</b>	8.0	1200	19	549	G5	○	10	D	50000
1	43920274	<b>RL-T5 28 HE 840/G5 AC</b>	16.0	2400	19	1149	G5	○	10	D	50000
1	43920275	<b>RL-T5 35 HE 840/G5 AC</b>	18.0	2800	19	1449	G5	○	10	D	50000

# Keep current with LED T5 Neo®

- Variable luminous flux up to 6.200 lm
- Increased efficiency: up to 192 lm/W
- Extremely durable: up to 90.000 h L70B10
- TÜV certified, dimmable, DALI-capable
- Suitable for emergency power supply

# Driver

- Control of up to four Radium LED T5 Neo®
- High reliability
- DALI2
- TÜV Süd ENEC certified
- Compatibility test no longer necessary



1

W max.
lm max.
d mm
l mm
Pcs...
L70 h



		max.	max.	d mm	l mm			Pcs...		h
1	43720825	<b>RL-T5 14/24 NEO 830/G5 DC</b>	10.0	1620	17	549	G5	10	D	90000
1	43720826	<b>RL-T5 14/24 NEO 840/G5 DC</b>	10.0	1800	17	549	G5	10	C	90000
1	43720827	<b>RL-T5 14/24 NEO 865/G5 DC</b>	10.0	1800	17	549	G5	10	C	90000
1	43720828	<b>RL-T5 21/39 NEO 830/G5 DC</b>	17.9	2840	17	849	G5	10	D	90000
1	43720829	<b>RL-T5 21/39 NEO 840/G5 DC</b>	17.9	3150	17	849	G5	10	C	90000
1	43720830	<b>RL-T5 21/39 NEO 865/G5 DC</b>	17.9	3150	17	849	G5	10	C	90000
1	43720831	<b>RL-T5 28/54 NEO 830/G5 DC</b>	24.5	4000	17	1149	G5	10	D	90000
1	43720832	<b>RL-T5 28/54 NEO 840/G5 DC</b>	24.5	4400	17	1149	G5	10	C	90000
1	43720833	<b>RL-T5 28/54 NEO 865/G5 DC</b>	24.5	4400	17	1149	G5	10	C	90000
1	43720834	<b>RL-T5 35/49 NEO 830/G5 DC</b>	23.4	3870	17	1449	G5	10	D	90000
1	43720835	<b>RL-T5 35/49 NEO 840/G5 DC</b>	23.4	4300	17	1449	G5	10	C	90000
1	43720836	<b>RL-T5 35/49 NEO 865/G5 DC</b>	23.4	4300	17	1449	G5	10	C	90000
1	43720837	<b>RL-T5 49/80 NEO 830/G5 DC</b>	33.9	5600	17	1449	G5	10	D	90000
1	43720838	<b>RL-T5 49/80 NEO 840/G5 DC</b>	33.9	6200	17	1449	G5	10	C	90000
1	43720839	<b>RL-T5 49/80 NEO 865/G5 DC</b>	33.9	6200	17	1449	G5	10	C	90000

Adjustable luminous flux and wattage.



1

2

W max.
V
mA
l mm
b mm
h mm

## LED Treiber LED T5 Neo®

### ON/OFF

1	OTNA4435	<b>DRIVER 20W/200-350mA IP20</b>	20.0	25 - 57	200 - 350	156	30	21
1	OTNA4436	<b>DRIVER 40W/200-350mA IP20</b>	40.0	58 - 114	200 - 350	195	30	21
1	OTNA4437	<b>DRIVER 60W/200-350mA IP20</b>	60.0	115 - 172	200 - 350	195	30	21
1	OTNA4438	<b>DRIVER 80W/200-350mA IP20</b>	80.0	170 - 230	200 - 350	195	30	21

### DALI

2	OTDA4030	<b>DRIVER DALI 15W/100-350mA IP20</b>	14.7	16 - 42	100 - 350	195	30	21
2	OTDA4439	<b>DRIVER DALI 37W/200-350mA IP20</b>	37.0	54 - 240	200 - 350	195	30	21
2	OTDA4441	<b>DRIVER DALI 75W/200-350mA IP20</b>	75.0	54 - 240	200 - 350	245	30	21



Further information on the LED drivers can be found here.



**- 5 -**  
**YEARS**  
GUARANTEE



1



**LED Star Tube T8 HO HF, G13**

d mm

l mm

Pcs.

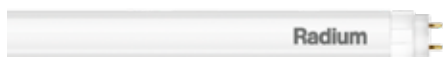
h



1	43920142	<b>RL-T8 36 HO 840/G13 HF</b>	15.0	2400	28	1200	G13	○	10	D	60000
1	43920141	<b>RL-T8 36 HO 865/G13 HF</b>	15.0	2400	28	1200	G13	●	10	D	60000
1	43920139	<b>RL-T8 58 HO 840/G13 HF</b>	23.0	3700	28	1500	G13	○	10	D	60000
1	43920140	<b>RL-T8 58 HO 865/G13 HF</b>	23.0	3700	28	1500	G13	●	10	D	60000

Only operate on approved ECGs in accordance with the Radium compatibility list <https://www.radium.de/en/compatibility>

— 5 —  
YEARS  
GUARANTEE



1



LED Star Tube T8 HF, G13

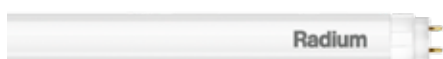
d mm l mm Pcs. h



1	43719731	<b>RL-T8 18 S 830/G13 HF</b>	7.5	1000	28	600	G13	○	10	E	60000
1	43720058	<b>RL-T8 18 S 840/G13 HF</b>	7.5	1100	28	600	G13	○	10	D	60000
1	43719732	<b>RL-T8 18 S 865/G13 HF</b>	7.5	1100	28	600	G13	●	10	D	60000
1	43719733	<b>RL-T8 36 S 830/G13 HF</b>	14.0	1900	28	1200	G13	○	10	E	60000
1	43720059	<b>RL-T8 36 S 840/G13 HF</b>	14.0	2100	28	1200	G13	○	10	D	60000
1	43719734	<b>RL-T8 36 S 865/G13 HF</b>	14.0	2100	28	1200	G13	●	10	D	60000
1	43719735	<b>RL-T8 58 S 830/G13 HF</b>	20.0	2800	28	1500	G13	○	10	E	60000
1	43720060	<b>RL-T8 58 S 840/G13 HF</b>	20.0	3100	28	1500	G13	○	10	D	60000
1	43719736	<b>RL-T8 58 S 865/G13 HF</b>	20.0	3100	28	1500	G13	●	10	D	60000

Only operate on approved ECGs in accordance with the Radium compatibility list <https://www.radium.de/en/compatibility>

— 3 —  
YEARS  
GUARANTEE



1



LED Essence Tube T8 HF, G13

d mm l mm Pcs. h



1	43920136	<b>RL-T8 18 840/G13 HF</b>	8.0	800	28	600	G13	○	10	F	30000
1	43920135	<b>RL-T8 18 865/G13 HF</b>	8.0	800	28	600	G13	●	10	F	30000

Only operate on approved ECGs in accordance with the Radium compatibility list <https://www.radium.de/en/compatibility>

**- 5 -  
YEARS  
GUARANTEE**



1



**LED Star Tube T8 HO UN, G13**

d mm    l mm    Pcs...    h



1	43920128	<b>RL-T8 18 HO 840/G13 UN</b>	7.5	1100	28	600	G13	○	10	D	60000
1	43720051	<b>RL-T8 36 HO 865/G13 UN</b>	15.0	2400	28	1200	G13	●	10	C	60000
1	43720052	<b>RL-T8 58 HO 840/G13 UN</b>	23.0	3700	28	1500	G13	○	10	C	60000
1	43720053	<b>RL-T8 58 HO 865/G13 UN</b>	23.0	3700	28	1500	G13	●	10	C	60000

For ECG operation, only operate on approved ECGs in accordance with the Radium compatibility list [www.radium.de/kompatibilitaet](http://www.radium.de/kompatibilitaet)

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YEARS  
GUARANTEE**



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**LED Essence Tube T8 UN, G13**

d mm    l mm    Pcs...    h



1	43920131	<b>RL-T8 36 830/G13 UN</b>	18.0	1850	28	1200	G13	○	10	F	30000
1	43920130	<b>RL-T8 36 840/G13 UN</b>	18.0	2000	28	1200	G13	○	10	E	30000
1	43920134	<b>RL-T8 58 830/G13 UN</b>	24.0	2550	28	1500	G13	○	10	F	30000
1	43920133	<b>RL-T8 58 840/G13 UN</b>	24.0	2800	28	1500	G13	○	10	E	30000
1	43920132	<b>RL-T8 58 865/G13 UN</b>	24.0	2800	28	1500	G13	●	10	E	30000

For ECG operation, only operate on approved ECGs in accordance with the Radium compatibility list [www.radium.de/kompatibilitaet](http://www.radium.de/kompatibilitaet)



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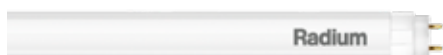


LED Star Plus Tube T8 Plus UO EM, G13

d mm l mm Pcs.. h



1	43720046	<b>RL-T8 36 SP UO 840/G13 EM</b>	14.9	2600	26.7	1200	G13	○	10	C	75000
1	43720047	<b>RL-T8 36 SP UO 865/G13 EM</b>	14.9	2600	26.7	1200	G13	●	10	C	75000
1	43720048	<b>RL-T8 58 SP UO 840/G13 EM</b>	23.4	4100	26.7	1500	G13	○	10	C	75000
1	43720049	<b>RL-T8 58 SP UO 865/G13 EM</b>	23.4	4100	26.7	1500	G13	●	10	C	75000



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LED Star Tube T8 Plus EM, G13

d mm l mm Pcs... h



1	43719790	<b>RL-T8 18 SP 840/G13 EM</b>	6.7	1100	26.7	600	G13	○	10	C	60000
1	43719791	<b>RL-T8 18 SP 865/G13 EM</b>	6.7	1100	26.7	600	G13	●	10	C	60000
1	43719792	<b>RL-T8 36 SP 840/G13 EM</b>	12.7	2100	26.7	1200	G13	○	10	C	60000
1	43719793	<b>RL-T8 36 SP 865/G13 EM</b>	12.7	2100	26.7	1200	G13	●	10	C	60000
1	43719794	<b>RL-T8 58 SP 840/G13 EM</b>	18.8	3100	26.7	1500	G13	○	10	C	60000
1	43719795	<b>RL-T8 58 SP 865/G13 EM</b>	18.8	3100	26.7	1500	G13	●	10	C	60000

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YEARS  
GUARANTEE



1



LED Star Tube T8 HO EM, G13

d mm l mm Pcs h



1	43819786	<b>RL-T8 36 S HO 840/G13 EM</b>	15.6	2500	26.7	1200	G13	○	10	C	50000
1	43819787	<b>RL-T8 36 S HO 865/G13 EM</b>	15.6	2500	26.7	1200	G13	●	10	C	50000
1	43819788	<b>RL-T8 58 S HO 840/G13 EM</b>	23.1	3700	26.7	1500	G13	○	10	C	50000
1	43819789	<b>RL-T8 58 S HO 865/G13 EM</b>	23.1	3700	26.7	1500	G13	●	10	C	50000

— 5 —  
YEARS  
GUARANTEE



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LED Star Tube T8 EM, G13

d mm l mm Pcs. h



1	43719720	<b>RL-T8 18 S 840/G13 EM</b>	7.3	1100	26.7	600	G13	○	10	D	50000
1	43719721	<b>RL-T8 18 S 865/G13 EM</b>	7.3	1100	26.7	600	G13	●	10	D	50000
1	43518309	<b>RL-T8 30 S 840/G13 EM</b>	11.3	1700	26.7	600	G13	○	10	D	50000
1	43719727	<b>RL-T8 36 S 840/G13 EM</b>	14.0	2100	26.7	1200	G13	○	10	D	50000
1	43719728	<b>RL-T8 36 S 865/G13 EM</b>	14.0	2100	26.7	1200	G13	●	10	D	50000
1	43719729	<b>RL-T8 58 S 840/G13 EM</b>	20.6	3100	26.7	1500	G13	○	10	D	50000
1	43719730	<b>RL-T8 58 S 865/G13 EM</b>	20.6	3100	26.7	1500	G13	●	10	D	50000



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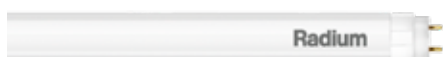


### LED Star Tube T8 Motion Sensor, G13

d mm    l mm    Pcs.    h



1	43719796	<b>RL-T8 18 S MS 840/G13 EM</b>	6.8	1100	26.7	600	G13	○	10	C	50000
1	43719797	<b>RL-T8 36 S MS 840/G13 EM</b>	13.1	2100	26.7	1200	G13	○	10	C	50000
1	43719798	<b>RL-T8 58 S MS 840/G13 EM</b>	19.3	3100	26.7	1500	G13	○	10	C	50000



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### LED Star Tube T8 Food, G13

d mm    l mm    Pcs.    h



1	43719799	<b>RL-T8 36 S FOOD 833/G13 EM</b>	11.6	1100	26.7	1200	G13	●	10	-	50000
1	43719800	<b>RL-T8 58 S FOOD 833/G13 EM</b>	17.9	1700	26.7	1500	G13	●	10	-	50000

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YEARS  
GUARANTEE**



1



**LED Essence Tube T8 EM, G13**

d mm    l mm    pcs.    h



1	43919882	<b>RL-T8 18 830/G13 EM</b>	6,3	760	26,7	600	G13	●	10	E	50000
1	43919875	<b>RL-T8 18 840/G13 EM</b>	6,3	850	26,7	600	G13	○	10	E	30000
1	43919876	<b>RL-T8 18 865/G13 EM</b>	6,3	850	26,7	600	G13	●	10	E	30000
1	44119883	<b>RL-T8 36 830/G13 EM</b>	15,0	1900	26,7	1200	G13	●	10	E	50000
1	44119877	<b>RL-T8 36 840/G13 EM</b>	15,0	1900	26,7	1200	G13	○	10	E	30000
1	44119878	<b>RL-T8 36 865/G13 EM</b>	15,0	1900	26,7	1200	G13	●	10	E	30000
1	44119884	<b>RL-T8 58 830/G13 EM</b>	17,5	1980	26,7	1500	G13	●	10	E	50000
1	43919879	<b>RL-T8 58 840/G13 EM</b>	17,5	2200	26,7	1500	G13	○	10	E	30000
1	44119880	<b>RL-T8 58 865/G13 EM</b>	17,5	2200	26,7	1500	G13	●	10	E	50000



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YEARS  
GUARANTEE**



**LED Essence T9 Ring EM, G10q**

d mm    l mm    pcs.    h



1	43420565	<b>RL-T9 C22 840/G10Q EM</b>	12.0	1320	212	-	G10q	○	10	E	30000
1	43420566	<b>RL-T9 C22 865/G10Q EM</b>	12.0	1320	212	-	G10q	●	10	E	30000
2	43218813	<b>RL-T9 C32 865/G10Q EM</b>	20.0	2000	298	-	G10q	●	10	F	30000

## Keep current with LED T8 Neo®

- Variable luminous flux up to 5,180 lm
- Increased efficiency: up to 180 lm/W
- Extremely durable: up to 100,000 h L70B10
- TÜV certified, dimmable, DALI-capable
- Suitable for emergency power



## LED driver

- Control of up to four Radium LED T8 Neo®
- High reliability
- DALI2
- TÜV Süd ENEC certified
- Compatibility test no longer necessary



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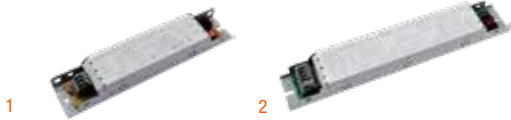
### LED T8 Neo®, G13

d mm    l mm    pcs    h



1	43719848	<b>LED T8 NEO 18 840/G13</b>	6.9	1215	28.5	603	G13	○	10	C	100000
1	43719849	<b>LED T8 NEO 18 865/G13</b>	6.9	1215	28.5	603	G13	●	10	D	100000
1	43719850	<b>LED T8 NEO 36 840/G13</b>	13.9	2460	28.5	1275	G13	○	10	C	100000
1	43719851	<b>LED T8 NEO 36 865/G13</b>	13.9	2460	28.5	1275	G13	●	10	C	100000
1	43719852	<b>LED T8 NEO 58 840/G13</b>	24.3	4200	28.5	1514	G13	○	10	C	100000
1	43719853	<b>LED T8 NEO 58 865/G13</b>	24.3	4200	28.5	1514	G13	●	10	D	100000

Adjustable luminous flux



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2



### LED Driver LED T8 Neo®

l mm    b mm    h mm

#### ON/OFF

1	OTNA4033	<b>DRIVER 15W/350mA IP20</b>	14.7	33-42	350	156	30	20
1	OTNA4034	<b>DRIVER 30W/700mA IP20</b>	29.4	33-42	700	195	30	20
1	OTNA4035	<b>DRIVER 50W/1200mA IP20</b>	50.4	33-42	1200	245	30	21

#### DALI

2	OTDA4030	<b>DRIVER DALI 15W/100-350mA IP20</b>	14.7	16-42	100-350	195	30	21
2	OTDA4031	<b>DRIVER DALI 30W/550-750mA IP20</b>	31.5	18-44	550-750	245	30	21
2	OTDA4032	<b>DRIVER DALI 60W/1100-1500mA IP20</b>	63.0	19-44	1100-1500	285	30	21



Further information on the [LED drivers](#) can be found here.

The difference lies in the specifics.

## Unique lighting with our special LED lamps.

Today, LEDs are increasingly being installed in luminaires that, in the event of a defect, can only be disposed of as a whole. However, more and more people want to be able to replace lamps and thus contribute to more environmental protection. High-quality LED Special Lamps from Radium support this trend – e.g. with LED HRL, LED R7s or LED PIN as replacements for halogen, compact fluorescent or mercury vapor lamps. For all those who are already thinking about future generations.





**LED  
Special  
Lamps**



# LED Special Lamps

## Efficient portfolio for special applications

### Excellent internal and external values

- Direct replacement of halogen, compact fluorescent and mercury vapor lamps
- Easy handling, no modification of the luminaire
- 100 % light instantly
- Extremely energy-saving
- High luminous flux: up to 13,000 lm (RL HRL), 2,000 lm (RL TS) and 1,100lm (RL DUO), respectively
- Service life of up to 50.000 (RL HRL)

### Areas of application

- Decorative and glare-free lighting: RaLEDina Star and Essence
- Replacement of mercury vapor lamps, e.g. in outdoor lighting: LED Essence HRL
- Replacement of compact fluorescent lamps, e.g. in recessed ceiling luminaires: LED Essence DUO G24d, LED Long HF
- Replacement of halogen lamps, e.g. in ceiling floodlights and spotlights: LED R7s Star and Essence
- Replacement of halogen pin-base lamps, e.g. in ceiling luminaires and recessed furniture luminaires: LED PIN Star and Essence
- Replacement of tube lamps e.g. in range hoods and refrigerators: LED Essence T26



1



3



2



4



CRI >90



original warm light 2,200K



MADE INGER MANY.



5 YEARS GUARANTEE

W

lm

L70

RaLEDina Star		d mm	l mm		Pcs.		h				
1	44014961	RL-RAL1 35 DIM 922/0*	3.1	250	29	300	S14d		10	F	25000
3	44014960	RL-RAL2 35 DIM 922/0*	3.1	250	29	300	S14s		10	F	25000
1	44014959	RL-RAL1 35 DIM 927/0	3.1	275	29	300	S14d		10	F	25000
2	44014965	RL-RAL1 60 DIM 922/0*	4.9	440	29	500	S14d		10	F	25000
3	44014958	RL-RAL2 35 DIM 927/0	3.1	275	29	300	S14s		10	F	25000
4	44014964	RL-RAL2 60 DIM 922/0*	4.9	440	29	500	S14s		10	F	25000
2	44014963	RL-RAL1 60 DIM 927/0	4.9	470	29	500	S14d		10	F	25000
4	44014962	RL-RAL2 60 DIM 927/0	4.9	470	29	500	S14s		10	F	25000
4	44014967	RL-RAL2 120 DIM 922/0*	9.7	880	29	1000	S14s		5	F	25000
4	44014966	RL-RAL2 120 DIM 927/0	9.9	1055	29	1000	S14s		5	F	25000

**MADE  
INGER  
MANY.**

**- 3 -  
YEARS  
GUARANTEE**



**RaLEDina Lampholder**

l mm    b mm    h mm

1	ZLFA0945	<b>RAL1/Holder/S14D</b>	grau	82	46	34	S14d	
2	ZLFA1530	<b>RAL2/Holder/S14S</b>	weiß	67	36	36	S14s	



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YEARS  
GUARANTEE**



**LED Essence HRL EM**

d mm    l mm    Pcs.    h



1	44120518	<b>RL-HRL50 840/E27 EM</b>	18.0	3000	75	183	E27	○	6	C	50000
2	44120519	<b>RL-HRL80 840/E27 EM</b>	24.0	4000	90	245	E27	○	6	C	50000
2	43920520	<b>RL-HRL125 840/E27 EM</b>	33.0	6000	90	245	E27	○	6	C	50000
3	43920521	<b>RL-HRL125 840/E40 EM</b>	33.0	6300	90	215	E40	○	6	B	50000
4	43920523	<b>RL-HRL200 840/E40 EM</b>	47.5	9000	102	225	E40	○	6	B	50000
5	43920522	<b>RL-HRL250 840/E40 EM</b>	80.0	15000	120	288	E40	○	6	B	50000



**- 3 -**  
**YEARS**  
GUARANTEE



**LED Essence S EM**

d mm    l mm    Pcs...    h



1	43620578	<b>RL-S7 830/G23 EM</b>	3.5	400	32	133	G23	●	10	E	50000
1	43620579	<b>RL-S7 840/G23 EM</b>	3.5	400	32	133	G23	○	10	E	50000
2	43619777	<b>RL-S9 830/G23 EM</b>	5.0	550	32	163	G23	●	10	E	50000
2	43620576	<b>RL-S9 840/G23 EM</b>	5.0	550	32	163	G23	○	10	E	50000
3	43619778	<b>RL-S11 830/G23 EM</b>	6.5	720	32	277	G23	●	10	E	50000
3	43620577	<b>RL-S11 840/G23 EM</b>	6.5	720	32	277	G23	○	10	E	50000



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**YEARS**  
GUARANTEE



**LED Essence DUO EM**

d mm    l mm    Pcs...    h



1	43520620	<b>RL-DU013 830/G24D/G24Q EM</b>	5.0	500	34	127	G24d*	●	10	F	30000
1	43520621	<b>RL-DU013 840/G24D/G24Q EM</b>	5.0	560	34	127	G24d*	○	10	E	30000
2	43520622	<b>RL-DU018 830/G24D/G24Q EM</b>	7.0	810	34	146	G24d*	●	10	E	30000
2	43520623	<b>RL-DU018 840/G24D/G24Q EM</b>	7.0	900	34	146	G24d*	○	10	E	30000
3	43520624	<b>RL-DU026 830/G24D/G24Q EM</b>	10.0	1035	34	164	G24d*	●	10	F	30000
3	43520625	<b>RL-DU026 840/G24D/G24Q EM</b>	10.0	1150	34	164	G24d*	○	10	E	30000

\*The lamp can be inserted into a G24q socket if the ECG is removed.



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**YEARS**  
GUARANTEE



### LED Essence DUO/E HF

d mm    l mm    Pcs...    h



1	43620626	<b>RL-DUO/E13 830/G24Q-1 HF</b>	5.0	400	34	127	G24q-1	●	10	G	30000
1	43620627	<b>RL-DUO/E13 840/G24Q-1 HF</b>	5.0	450	34	127	G24q-1	○	10	G	30000
2	43620628	<b>RL-DUO/E18 830/G24Q-2 HF</b>	7.0	595	34	146	G24q-2	●	10	G	30000
2	43620629	<b>RL-DUO/E18 840/G24Q-2 HF</b>	7.0	660	34	146	G24q-2	○	10	F	30000
3	43620630	<b>RL-DUO/E26 830/G24Q-3 HF</b>	10.0	870	34	164	G24q-3	●	10	G	30000
3	43620631	<b>RL-DUO/E26 840/G24Q-3 HF</b>	10.0	970	34	164	G24q-3	○	10	F	30000

If operated with ECG, only on approved ECGs according to Radium compatibility list [www.radium.de/compatibility](http://www.radium.de/compatibility)



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**YEARS**  
GUARANTEE



### LED Essence Long HF

d mm    l mm    Pcs...    h



1	43520573	<b>RL-LONG18 840/2G11 HF</b>	8.0	1000	44	230	2G11	○	10	E	30000
2	43519776	<b>RL-LONG24 840/2G11 HF</b>	12.0	1500	44	321	2G11	○	10	E	30000
3	43520574	<b>RL-LONG36 840/2G11 HF</b>	18.0	2300	44	413	2G11	○	10	E	30000
4	43520575	<b>RL-LONG55 840/2G11 HF</b>	25.0	3250	44	535	2G11	○	10	E	30000

Operate only on approved ECGs according to Radium compatibility list [www.radium.de/compatibility](http://www.radium.de/compatibility)



1



LED Essence TWIN EM

d mm l mm Pcs. h



1	43619784	<b>RL-TWIN36 830/2G10 EM</b>	20.0	2250	89	221	2G10	●	10	E	30000
1	43619785	<b>RL-TWIN36 840/2G10 EM</b>	20.0	2500	89	221	2G10	○	10	E	30000



1



LED Essence GX53

d mm l mm Pcs. h



1	44020210	<b>RL-GX53 40 827/VWFL</b>	4.9	470	74	28	GX53	●	10	F	15000
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**- 3 -  
YEARS  
GUARANTEE**



**LED Essence TRIO EM**

d mm    l mm    Pcs.    h



1	43620636	<b>RL-TRIO18 840/GX24D/GX24Q EM</b>	7.0	850	44	115	GX24d	○	10	E	30000
2	43620637	<b>RL-TRIO26 840/GX24D/GX24Q EM</b>	10.0	1240	44	130	GX24d	○	10	E	30000
3	43620638	<b>RL-TRIO32 840/GX24D/GX24Q EM</b>	16.0	1950	44	146	GX24d	○	10	E	30000
4	43620639	<b>RL-TRIO42 840/GX24D/GX24Q EM</b>	20.0	2300	44	167	GX24d	○	10	E	30000

\*The lamp can be inserted into a G24q socket if the ECG is removed.



**- 3 -  
YEARS  
GUARANTEE**



**LED Essence TRIO/E HF**

d mm    l mm    Pcs.    h



1	43620632	<b>RL-TRIO/E18 840/GX24Q-2 HF</b>	7.0	855	44	115	G24q-2	○	10	E	30000
2	43620633	<b>RL-TRIO/E26 840/GX24Q-3 HF</b>	10.0	1020	44	130	G24q-3	○	10	F	30000
3	43620634	<b>RL-TRIO/E32 840/GX24Q-3 HF</b>	16.0	1900	44	146	G24q-3	○	10	F	30000
4	43620635	<b>RL-TRIO/E42 840/GX24Q-4 HF</b>	20.0	2150	44	167	G24q-4	○	10	F	30000



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**YEARS**  
GUARANTEE

1



**LED Star R7s**

d mm    l mm    Pcs..    h



1	43820788	<b>RL-TS125 DIM 827/R7S</b>	15.0	2000	28	118	R7S	○	20	E	25000
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**- 4 -**  
**YEARS**  
GUARANTEE

1

2



**LED Essence R7s**

d mm    l mm    Pcs..    h



1	43819819	<b>RL-TSK60 827/R7S SLIM</b>	7.0	806	20	78	R7S	○	20	E	15000
2	43819828	<b>RL-TS100 827/R7S SLIM</b>	12.0	1521	20	118	R7S	○	20	E	15000



**- 5 -**  
**YEARS**  
GUARANTEE

2



**LED Star PIN**

d mm    l mm    Pcs...    h



1	43820786	<b>RL-PIN30 DIM 827/C/G9</b>	3.0	320	16	52	G9	○	20	F	25000
2	43719831	<b>RL-PIN40 DIM 827/C/GY6.35</b>	4.5	470	18	50	GY6.35	○	20	F	20000




**- 4 -**  
**YEARS**  
 GUARANTEE

1 2 3 4 5

W lm      L70

LED Essence PIN
d mm
l mm
Pcs..
h

1	43819832	<b>RL-PIN10 827/C/G4 Micro</b>	1.0	100	10	30	G4		20	F	15000
2	43819833	<b>RL-PIN20 827/C/G4</b>	1.8	200	13	36	G4		20	F	15000
3	43419829	<b>RL-PIN30 827/C/G9</b>	2.6	320	15	47	G9		20	E	15000
4	43420569	<b>RL-PIN40 827/C/G9</b>	4.2	470	19	52	G9		20	E	15000
5	43519915	<b>RL-PIN50 827/C/G9</b>	4.8	600	18	59	G9		20	E	15000




**- 4 -**  
**YEARS**  
 GUARANTEE

1

W lm      L70

LED Essence T26
d mm
l mm
Pcs..
h

		<span>Glass</span>									
1	43920789	<b>RL-T26 40 827/C/E14</b>	4.2	470	25	83	E14		20	E	15000



**- 4 -**  
**YEARS**  
 GUARANTEE

1

W lm      L70

LED Essence T20
d mm
l mm
Pcs..
h

		<span>Glass</span>									
1	43919881	<b>RL-T20 15 827/C/E14 FIL</b>	1.5	136	20	56	E14		20	F	15000



1



### LED Star T32

d mm    l mm    Pcs.    h



1	44019835	<b>RL-T32 60 DIM 827/C/E27</b>	7.3	806	32	90	E27	○	20	E	15000
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1



### LED Star T18

d mm    l mm    Pcs.    h



1	44019834	<b>RL-T18 75 DIM 827/C/B15D</b>	9.0	1055	18	101	B15d	○	4	E	15000
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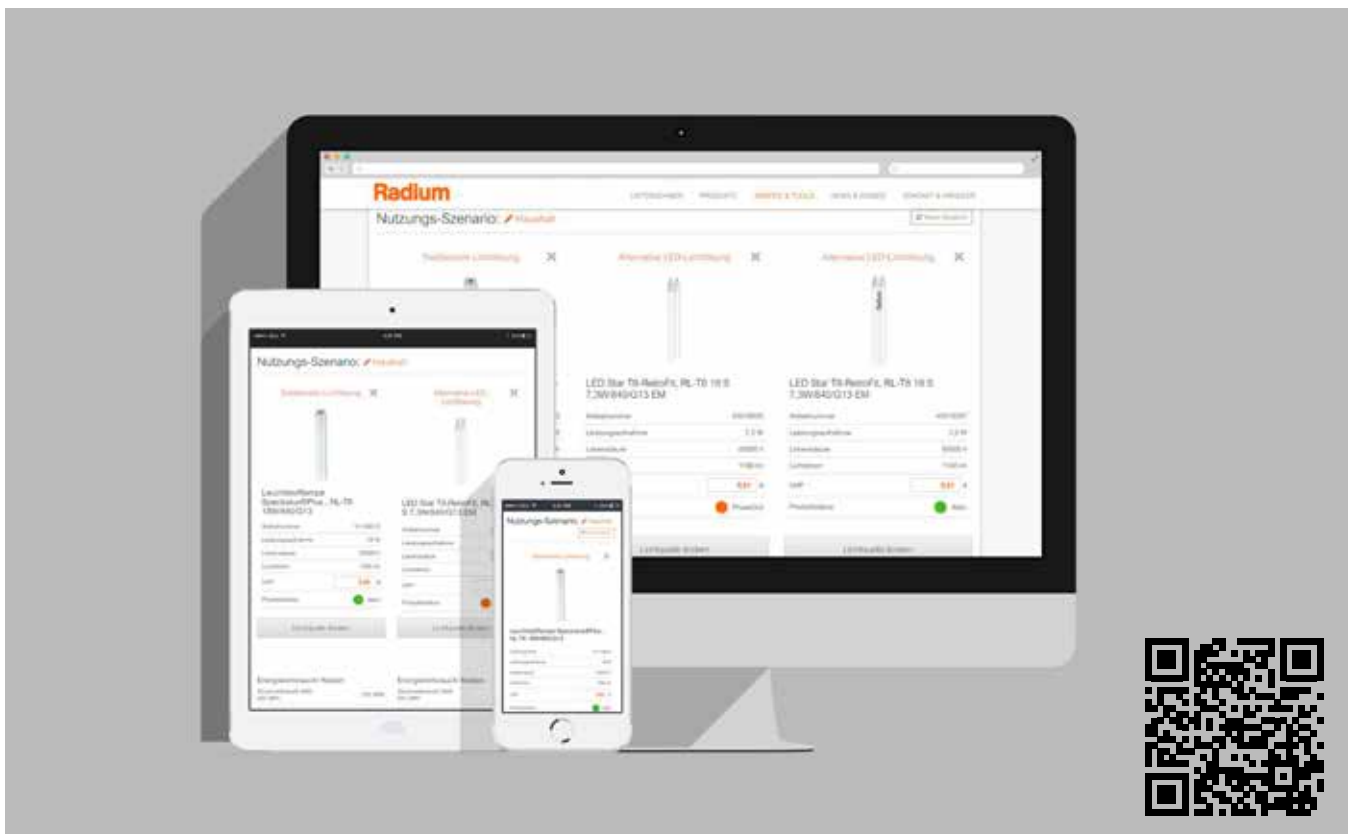


# Save more energy with Radium.

## LED's Save Calculator.

With so many LED products around, do you still know what's what anymore? If not, don't worry. With the LED's Save Calculator, you will find the right LED replacement product in no time at all. And so that you can see whether the exchange is really worth it, you will get a result with energy costs and payback time. Let your savings potential surprise you today.

[www.radium.de/en/leds-save](http://www.radium.de/en/leds-save)



# Important facts at a glance.

## Technical information.

### General information about LEDs

All technical parameters apply to the whole lamp. Due to the complex manufacturing process of light-emitting diodes, the values given for the technical LED parameters are purely statistical and do not necessarily correspond to the actual technical parameters of each individual product, which may differ from the typical value.

### Dimming behavior

Due to different technological concepts, the dimming behavior of lamps with integrated control gears differs from the behavior of conventional incandescent or halogen lamps and may therefore be restricted in certain cases. Under unfavorable conditions (many possible influencing factors), the electronic components contained may develop noise. For more information about lamp dimmer compatibility, please go to [www.radium.de/en/dim](http://www.radium.de/en/dim).



**TIP:** You can also control our lamps with your smartphone. Find more information at [www.radium.de/en/smartlighting/led](http://www.radium.de/en/smartlighting/led)



# What's behind all this?

## Explanation of pictograms.



### Direct wiring

Suitable for operation on mains voltage. If the existing luminaire is not designed for this operating mode, the luminaire must be modified. In any case, we recommend to use the supplied LED starter and to clearly mark the lamp.



### CCG

Suitable for operation with conventional control gear (CCG) as well as directly with mains voltage. For operation with a CCG, the existing starter must be replaced with the LED starter included in the delivery. We recommend removing the compensation capacitor.



### ECG

Suitable for operation with an electronic control gear (ECG). Compatibility must be checked in advance using the compatibility list.  
[www.radium.de/compatibility](http://www.radium.de/compatibility)



### Glass

True to original design with high-quality glass bulb



### Shatter resistance

Shatter resistance according to IEC 61549 AMD 2:2010 -810-1 4.4.1



### Guarantee

Radium LED lamps are known for high-quality engineering, professional thermal management, the use of high-quality components and the application of systematic quality assurance measures. Radium provides guarantees of up to 5 years on LED lamps which are operated in accordance with the product and application guidelines specified by Radium, e.g. data sheets, application notes or compatibility lists. [www.radium.de/guarantee](http://www.radium.de/guarantee)



## Made in Germany

Many products within the Radium LED lamp portfolio are manufactured directly in Germany and therefore stand for particularly good quality.



### Star

Optimum function for professional use. All Star models offer a longer service life and very good efficiency.



### Star Plus

Highest demands on functionality and quality for professional use.



### Essence

All Essence models offer pure functionality at the best price



### NEO

LED tubes for DC operation.



Power consumption (watts)



Luminous flux (lumens)



Dimensions in millimeters (mm)



Base



Color temperature  
● 2700/3000 K (warm white)  
○ ~ 4000 K (neutral white)  
● ~ 6500 K (cool white)



Ambiente LUX (Color temperature ultra warm)



Daylight Sensor  
Automatic switch-on of the lamp in the dark



Food - Special Lighting  
Special light color for the staging of food



Shipping unit in pieces (pcs.)



Energy label



L70B50 Service life



Color



Ingress protection rating (IP)  
For Outdoor



Beam angle



Dimmable. For compatibility information, see page 61 (Dimming behavior).



Motion Sensor  
The lamp switches on automatically when movement

Pictograms on our packaging.

## Relevant information at a glance.



Do not touch broken bulb



Not dimmable



Operation with defective outer bulb not permitted



No protection against water



Operate LED lamp without cover only



Only suitable for indoor use



Replacement for starter



For operation in open luminaires



The test mark for compliance with legal regulations



Not suitable for emergency power supply



No ECG operation



Mercury content



Disconnect the luminaire from the power supply before replacing the lamp



Frequencies 50-60 Hz



Operating temperature



Beam angle



Dimensions







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