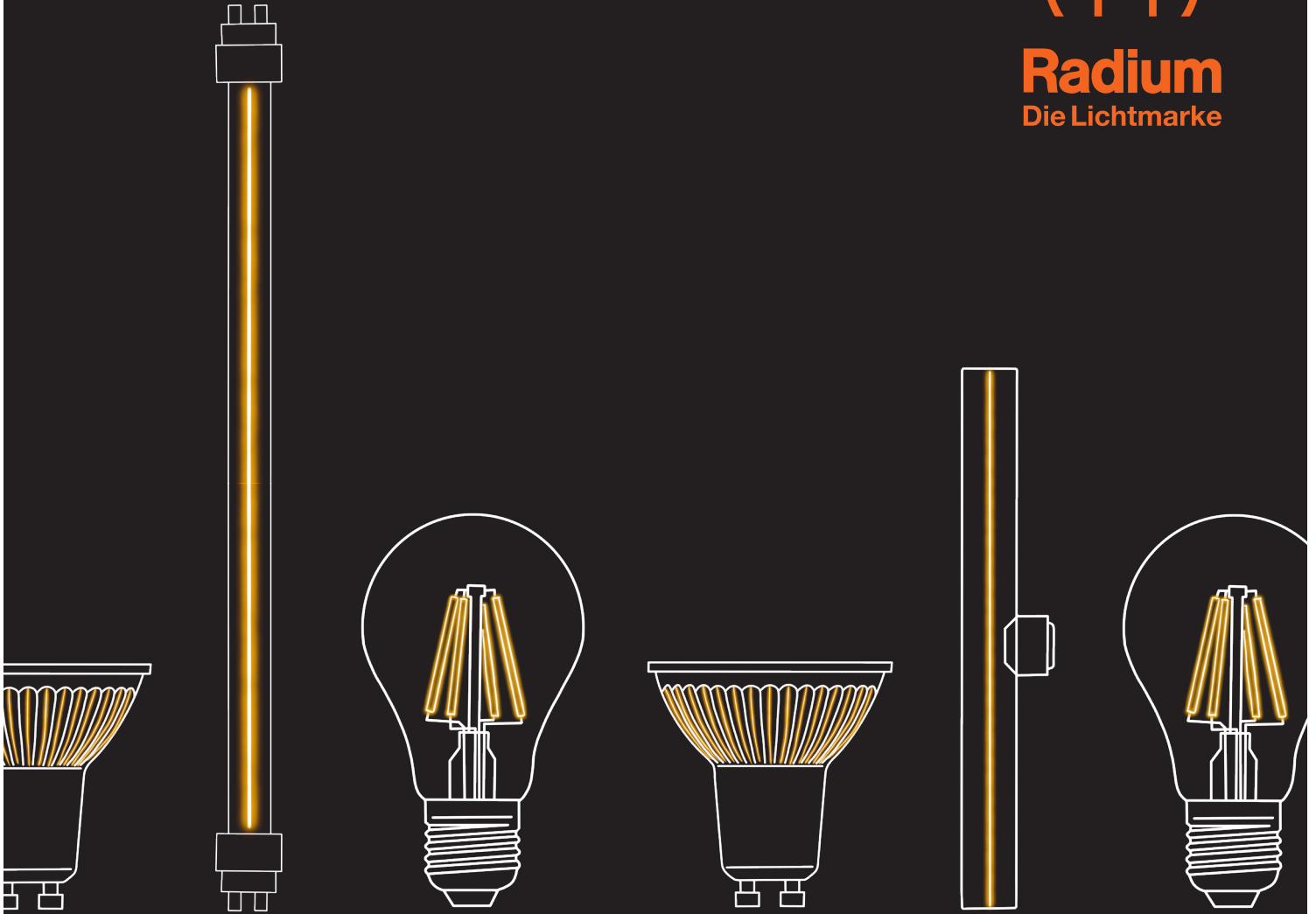




Radium
Die Lichtmarke



**LED
Lamps**

Sustainable, efficient and qualitative.

**Radium LED lamps
make the difference.**

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 Wipperfurth. 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.

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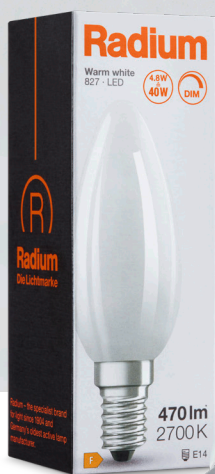
Sustainable lighting solutions. **Thanks to LED technology.**

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



1	43620818	RL-A40 DIM 927/F/E27	3.4	470	60	108	E27	●	10	D	25000
1	44020717	RL-A60 DIM 927/F/E27	5.9	806	60	108	E27	●	10	D	25000
1	43820819	RL-A60 DIM 930/F/E27	5.9	806	60	108	E27	●	10	D	25000
1	43820718	RL-A60 DIM 940/F/E27	5.9	806	60	108	E27	○	10	D	25000
1	44020719	RL-A75 DIM 927/F/E27	7.8	1055	60	108	E27	●	10	D	25000
1	43820820	RL-A75 DIM 930/F/E27	7.8	1055	60	108	E27	●	10	D	25000
1	43820720	RL-A75 DIM 940/F/E27	7.8	1055	60	108	E27	○	10	D	25000
1	44020821	RL-A100 DIM 927/F/E27	11.0	1521	60	108	E27	●	10	D	25000
1	44120855	RL-A100 DIM 930/F/E27	11.0	1521	60	108	E27	●	10	D	25000
2	44120857	RL-A150 DIM 927/F/E27	18.0	2452	70	140	E27	●	10	D	25000
2	44120858	RL-A150 DIM 930/F/E27	18.0	2452	70	140	E27	●	10	D	25000
2	44120859	RL-A150 DIM 940/F/E27	18.0	2452	70	140	E27	○	10	D	25000



— 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
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— 4 —
YEARS
GUARANTEE

1

2



LED Essence Classic A

d mm

l mm

Pcs....

h



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



1

CRI
>90

— 5 —
YEARS
GUARANTEE



LED Star Classic A

d mm

l mm

Pcs...

h



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



— 4 —
YEARS
GUARANTEE

1

2

3

W

lm



L70

LED Essence Classic A

d mm

l mm

Pcs..

h



Glass

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
2	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

1

W

lm



L70

LED Essence Classic A Ambiente LUX

d mm

l mm

Pcs..

h



Glass



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



LED Essence Mini-Ball

d mm

l mm

Pcs...

h



Glass

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



1



LED Star Mini-Ball

d mm

l mm

Pcs...

h



Glass

1	44020295	RL-D40 DIM 927/C/E14 FIL	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	RL-D25 827/C/E14 FIL	2.2	250	45	80	E14		10	E	15000
2	43920817	RL-D40 827/C/E14 FIL	4.2	470	45	80	E14		10	E	15000
2	43619257	RL-D40 840/C/E14 FIL	4.0	470	45	77	E14		10	E	15000
2	43819338	RL-D60 827/C/E14 FIL	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



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

1

2

3

CRI >90

- 5 - YEARS GUARANTEE

W

lm

L70

LED Star Globe

d mm

l mm

Pcs...

h

			Glass									
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

1

- 4 - YEARS GUARANTEE

W

lm

L70

LED Essence Globe Ambiente LUX

d mm

l mm

Pcs...

h

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

LED Classic **LED-Lamps** 13



1



LED Star Candle

d mm

l mm

Pcs...

h



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



1



LED Essence Candle

d mm

l mm

Pcs...

h



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



— 5 —
YEARS
GUARANTEE

L70

h



1	44020823	RL-C40 DIM 927/C/E14 FIL	3.4	470	35	97	E14		10	D	25000
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— 4 —
YEARS
GUARANTEE



h



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



— 4 —
YEARS
GUARANTEE

W

lm



L70

LED Essence Candle Ambiente LUX

d mm

l mm

Pcs.

h



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



CRI
>90

– 5 –
YEARS
GUARANTEE

W

lm



L70

LED Star PAR16, GU10

d mm

l mm

Pcs.

h



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



1

— 4 —
YEARS
GUARANTEE

W

lm



L70

LED Essence MR11, GU4

d mm

l mm

Pcs..

h



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



1



2



3

CRI
>90

— 5 —
YEARS
GUARANTEE

W

lm



L70

LED Star MR16, GU5.3

d mm

l mm

Pcs..

h



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

W

lm



L70

LED Essence R50, R63 & R80

d mm

l mm

Pcs.

h



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





CRI
>90

— 5 —
YEARS
GUARANTEE

W

lm



L70

LED Star PAR16, PAR20, PAR30, PAR38

d mm

l mm

Pcs.

h



Glass

IP 65

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



— 4 —
YEARS
GUARANTEE

W

lm



L70

LED Essence PAR38

d mm

l mm

Pcs.

h



Glass

IP 65

1	43819344	RL-PAR38 120 827/SP	12.5	1035	122	134	E27		6	G	25000
2	44120782	RL-PAR38 120 827/FL*	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.

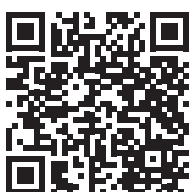
When replacing fluorescent lamps with the latest Radium LED technology, the choice of the right LED tube depends on the type of luminaire. Basically, there are four circuit options:

- 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:

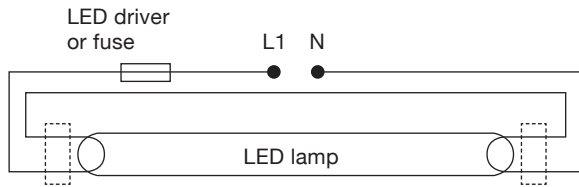
Three simple tricks to determine the operating mode of fluorescent tubes.





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

What is the operating mode?



CCG operation.

Lamp



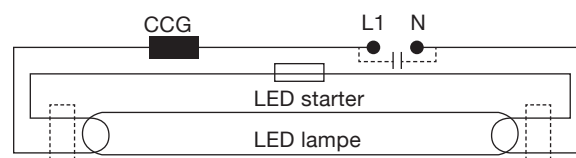
+

Starter



+

Conventional control gear



Which output do you need?

LED T8 Tube	600mm	1200mm	1500mm	page
Up to 4.100 lm				
LED Star Tube T8 Plus U0 EM	-	○ ●	○ ●	43
Up to 3.700 lm				
LED Star Tube T8 HO UN	○ ●	○ ●	○ ●	42
LED Star Tube T8 HO EM	-	○ ●	○ ●	44
Up to 3.100 lm				
LED Star Tube T8 MS	○	○	○	45
LED Star Tube T8 Plus EM	○ ●	○ ●	○ ●	43
LED Star Tube T8 EM	○ ●	○ ●	○ ●	44
Up to 2.800 lm				
LED Essence Tube T8 UN	-	○ ●	○ ●	42
Up to 2.200 lm				
LED Essence Tube T8 EM	○ ●	○ ●	○ ●	46
Up to 1.700 lm				
LED Star Tube T8 F00D	-	○	○	45
LED T9 Ring			212mm	page
Up to 1.320 lm				
LED Essence T9 Ring			○ ●	46

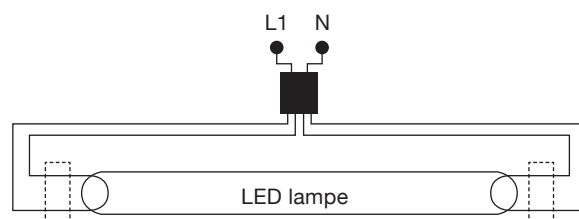
What is the operating mode?

ECG operation.



Lamp

Electronic control gear



Which output do you need?

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

Operate only on approved ECGs according to Radium compatibility list www.radium.de/compatibility.

What is the operating mode?

NEO

DC operation.

LED Neo Tube

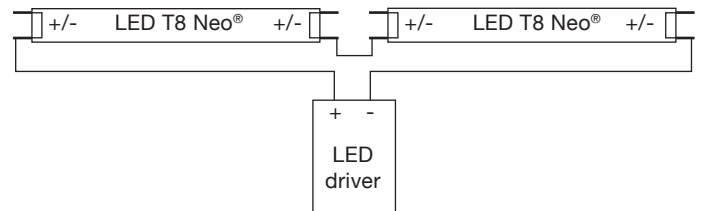


+

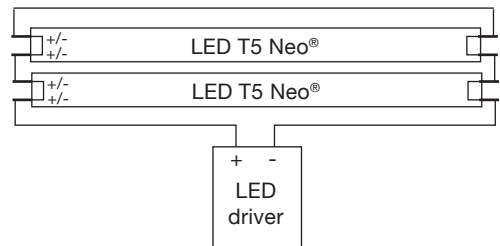
LED driver



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 RL-T5 14/24 NEO	● ○ ●	-	-	-	39
Up to 3.150 lm RL-T5 21/39 NEO	-	● ○ ●	-	-	39
Up to 4.400 lm RL-T5 28/54 NEO	-	-	● ○ ●	-	39
Up to 4.300 lm RL-T5 35/49 NEO	-	-	-	● ○ ●	39
Up to 6.200 lm RL-T5 49/80 NEO	-	-	-	● ○ ●	39

LED T8 Neo®	600mm	1200mm	1500mm	page
Up to 1.875 lm LED T8 NEO 18	○ ●	-	-	47
Up to 3.418 lm LED T8 NEO 36	-	○ ●	-	47
Up to 5.180 lm LED T8 NEO 58	-	-	○ ●	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 www.radium.de before changing.
HF	High Frequency	Suitable for operation with selected electronic ballasts (ECG). A check of the ballast compatibility on www.radium.de 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

– 5 –
YEARS
GUARANTEE



1

W

lm



L70

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



— 5 —
YEARS
GUARANTEE



1



LED Star Tube T5 HE HF, G5

d mm

l mm

Pcs...

h



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

Operate only on approved ECGs according to Radium compatibility list www.radium.de/compatibility

— 5 —
YEARS
GUARANTEE



1



LED Star Tube T5 HO AC, G5

d mm l mm Pcs... h



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

— 5 —
YEARS
GUARANTEE



1



LED Star Tube T5 HE AC, G5

d mm l mm Pcs.. h



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



LED T5 Neo®, G5

max.

max.

d mm

l mm

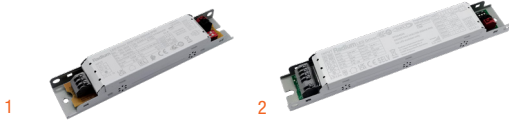
Pcs...

h



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

Adjustable luminous flux and wattage.



1

2



LED Treiber LED T5 Neo®

l mm

b mm

h mm

ON/OFF

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

DALI

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

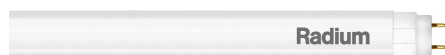
h



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

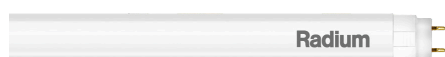
d mm l mm Pcs. h



1	43719731	RL-T8 18 S 830/G13 HF	7.5	1000	28	600	G13		10	E	60000
1	43720058	RL-T8 18 S 840/G13 HF	7.5	1100	28	600	G13		10	D	60000
1	43719732	RL-T8 18 S 865/G13 HF	7.5	1100	28	600	G13		10	D	60000
1	43719733	RL-T8 36 S 830/G13 HF	14.0	1900	28	1200	G13		10	E	60000
1	43720059	RL-T8 36 S 840/G13 HF	14.0	2100	28	1200	G13		10	D	60000
1	43719734	RL-T8 36 S 865/G13 HF	14.0	2100	28	1200	G13		10	D	60000
1	43719735	RL-T8 58 S 830/G13 HF	20.0	2800	28	1500	G13		10	E	60000
1	43720060	RL-T8 58 S 840/G13 HF	20.0	3100	28	1500	G13		10	D	60000
1	43719736	RL-T8 58 S 865/G13 HF	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	RL-T8 18 840/G13 HF	8.0	800	28	600	G13		10	F	30000
1	43920135	RL-T8 18 865/G13 HF	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	RL-T8 18 HO 840/G13 UN	7.5	1100	28	600	G13	○	10	D	60000
1	43920127	RL-T8 18 HO 865/G13 UN	7.5	1100	28	600	G13	●	10	D	60000
1	43720050	RL-T8 36 HO 840/G13 UN	15.0	2400	28	1200	G13	○	10	C	60000
1	43720051	RL-T8 36 HO 865/G13 UN	15.0	2400	28	1200	G13	●	10	C	60000
1	43720052	RL-T8 58 HO 840/G13 UN	23.0	3700	28	1500	G13	○	10	C	60000
1	43720053	RL-T8 58 HO 865/G13 UN	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/kompatibilität

**- 3 -
YEARS
GUARANTEE**



1



LED Essence Tube T8 UN, G13

d mm l mm Pcs... h



1	43920131	RL-T8 36 830/G13 UN	18.0	1850	28	1200	G13	●	10	F	30000
1	43920130	RL-T8 36 840/G13 UN	18.0	2000	28	1200	G13	○	10	E	30000
1	43920129	RL-T8 36 865/G13 UN	18.0	2000	28	1200	G13	●	10	E	30000
1	43920134	RL-T8 58 830/G13 UN	24.0	2550	28	1500	G13	●	10	F	30000
1	43920133	RL-T8 58 840/G13 UN	24.0	2800	28	1500	G13	○	10	E	30000
1	43920132	RL-T8 58 865/G13 UN	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/kompatibilität

— 5 —
YEARS
GUARANTEE



1

W

lm



L70

LED Star Plus Tube T8 Plus UO EM, G13

d mm

l mm

Pcs..

h



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

— 5 —
YEARS
GUARANTEE



1

W

lm



L70

LED Star Tube T8 Plus EM, G13

d mm

l mm

Pcs...

h



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

— 5 —
YEARS
GUARANTEE



1



LED Star Tube T8 HO EM, G13

d mm l mm Pcs h



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

— 5 —
YEARS
GUARANTEE



1



LED Star Tube T8 EM, G13

d mm l mm Pcs. h



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



1

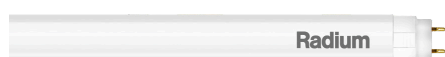


LED Star Tube T8 Motion Sensor, G13

d mm l mm Pcs. h



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



1



LED Star Tube T8 Food, G13

d mm l mm Pcs. h



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

— 3 —
YEARS
GUARANTEE



1

W

lm



L70

LED Essence Tube T8 EM, G13

d mm

l mm

pcs.

h



1	43819743	RL-T8 18 830/G13 EM	6.6	720	26.7	600	G13		25	F	50000
1	43919875	RL-T8 18 840/G13 EM	6.3	850	26.7	600	G13		25	E	50000
1	43919876	RL-T8 18 865/G13 EM	6.3	850	26.7	600	G13		25	E	50000
1	44020229	RL-T8 36 830/G13 EM	15.0	1620	26.7	1200	G13		25	F	50000
1	44020240	RL-T8 36 840/G13 EM	15.0	1900	26.7	1200	G13		10	E	30000
1	44119878	RL-T8 36 865/G13 EM	15.0	1900	26.7	1200	G13		25	E	50000
1	44020242	RL-T8 58 830/G13 EM	18.3	2000	26.7	1500	G13		25	F	50000
1	43919879	RL-T8 58 840/G13 EM	17.5	2200	26.7	1500	G13		25	E	50000
1	44020243	RL-T8 58 865/G13 EM	18.3	2200	26.7	1500	G13		10	E	30000

1



2



— 3 —
YEARS
GUARANTEE

W

lm



L70

LED Essence T9 Ring EM, G10q

d mm

l mm

pcs.

h



1	43420565	RL-T9 C22 840/G10Q EM	12.0	1320	212	-	G10q		10	E	30000
1	43420566	RL-T9 C22 865/G10Q EM	12.0	1320	212	-	G10q		10	E	30000
2	43218813	RL-T9 C32 865/G10Q EM	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



1



LED T8 Neo®, G13

d mm

l mm

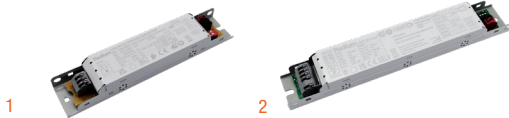
pcs

h



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

Adjustable luminous flux



1

2



LED Driver LED T8 Neo®

l mm

b mm

h mm

ON/OFF

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

DALI

2	OTDA4030	DRIVER DALI 15W/100-350mA IP20	14.7	16 - 42	100 - 350	195	30	21
2	OTDA4031	DRIVER DALI 30W/550-750mA IP20	31.5	18 - 44	550 - 750	245	30	21
2	OTDA4032	DRIVER DALI 60W/1100-1500mA IP20	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 13,000lm (RL HRL), 2,000lm (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
- 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



RaLEDina Star

d mm

l mm

Pcs.

h



1	44014959	RL-RAL1 35 DIM 927/0	3,1	275	29	300	S14d		10	F	25000
1	44014961	RL-RAL1 35 DIM 922/0*	3,1	265	29	300	S14d		10	F	25000
2	44014963	RL-RAL1 60 DIM 927/0	4,9	450	29	500	S14d		10	F	25000
2	44014965	RL-RAL1 60 DIM 922/0*	4,9	430	29	500	S14d		10	F	25000
3	44014958	RL-RAL2 35 DIM 927/0	3,1	275	29	300	S14s		10	F	25000
3	44014960	RL-RAL2 35 DIM 922/0*	3,1	265	29	300	S14s		10	F	25000
4	44014962	RL-RAL2 60 DIM 927/0	4,9	450	29	500	S14s		10	F	25000
4	44014964	RL-RAL2 60 DIM 922/0*	4,9	430	29	500	S14s		10	F	25000
4	44014966	RL-RAL2 120 DIM 927/0	9.8	880	29	1000	S14s		5	F	25000
4	44014967	RL-RAL2 120 DIM 922/0*	9.7	840	29	1000	S14s		5	F	25000

**MADE
INGER
MANY.**

**— 3 —
YEARS
GUARANTEE**



1

2



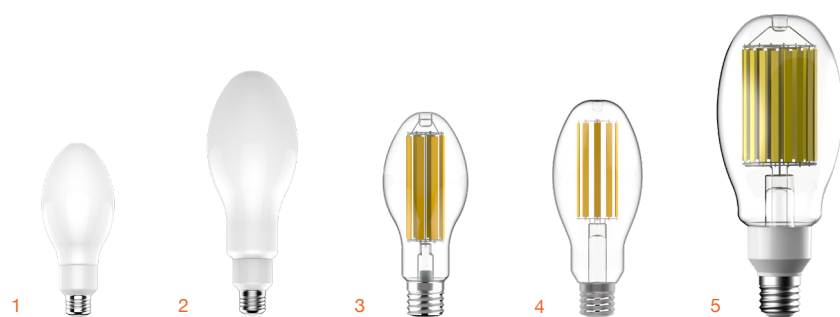
RaLEDina Lampholder

l mm

b mm

h mm

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



1

2

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4

5



**— 5 —
YEARS
GUARANTEE**

LED Essence HRL EM

d mm

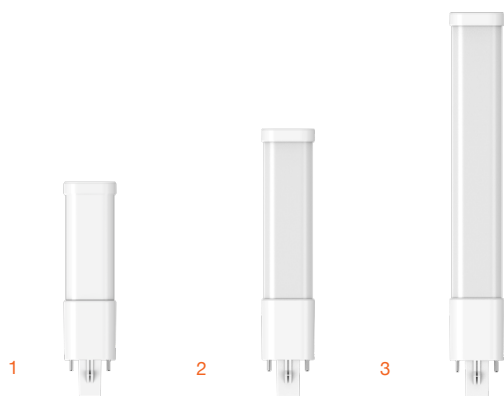
l mm

Pcs.

h



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



— 3 —
YEARS
GUARANTEE



LED Essence S EM

d mm l mm Pcs... h



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



— 3 —
YEARS
GUARANTEE



LED Essence DUO EM

d mm l mm Pcs... h



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

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



— 3 —
YEARS
GUARANTEE

1

2

3

W

lm



L70

LED Essence DUO/E HF

d mm

l mm

Pcs...

h

CCG



Glass

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



— 3 —
YEARS
GUARANTEE

1

2

3

4

W

lm



L70

LED Essence Long UN

d mm

l mm

Pcs...

h



CCG



Glass

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

Operate only on approved ECGs according to Radium compatibility list www.radium.de/compatibility



**— 3 —
YEARS
GUARANTEE**

1



LED Essence TWIN EM

d mm l mm Pcs. h



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



**— 3 —
YEARS
GUARANTEE**

1



LED Essence GX53

d mm l mm Pcs. h



1	44020210	RL-GX53 40 827/VWFL	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	RL-TRIO18 840/GX24D/GX24Q EM	7.0	850	44	115	GX24d	○	10	E	30000
2	43620637	RL-TRIO26 840/GX24D/GX24Q EM	10.0	1240	44	130	GX24d	○	10	E	30000
3	43620638	RL-TRIO32 840/GX24D/GX24Q EM	16.0	1950	44	146	GX24d	○	10	E	30000
4	43620639	RL-TRIO42 840/GX24D/GX24Q EM	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	RL-TRIO/E18 840/GX24Q-2 HF	7.0	855	44	115	G24q-2	○	10	E	30000
2	43620633	RL-TRIO/E26 840/GX24Q-3 HF	10.0	1020	44	130	G24q-3	○	10	F	30000
3	43620634	RL-TRIO/E32 840/GX24Q-3 HF	16.0	1900	44	146	G24q-3	○	10	F	30000
4	43620635	RL-TRIO/E42 840/GX24Q-4 HF	20.0	2150	44	167	G24q-4	○	10	F	30000



— 5 —
YEARS
GUARANTEE

1

W

lm



L70

LED Star R7s

d mm

l mm

Pcs..

h



1

43820788

RL-TS125 DIM 827/R7S

15.0

2000

28

118

R7S



20

E

25000



2



— 4 —
YEARS
GUARANTEE

1

W

lm



L70

LED Essence R7s

d mm

l mm

Pcs..

h



1

43819819

RL-TSK60 827/R7S SLIM

7.0

806

20

78

R7S



20

E

15000

2

43819828

RL-TS100 827/R7S SLIM

12.0

1521

20

118

R7S



20

E

15000



2



— 5 —
YEARS
GUARANTEE

W

lm



L70

LED Star PIN

d mm

l mm

Pcs...

h



1

43820786

RL-PIN30 DIM 827/C/G9

3.0

320

16

52

G9



20

F

25000

2

43719831

RL-PIN40 DIM 827/C/GY6.35

4.5

470

18

50

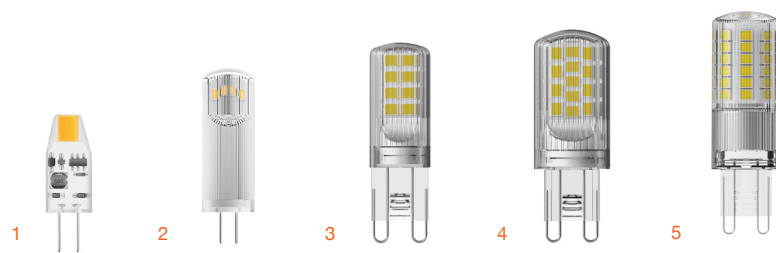
GY6.35



20

F

20000



— 4 —
YEARS
 GUARANTEE

1

2

3

4

5

W

lm













LED Essence PIN

d mm

l mm

Pcs..

h

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



— 4 —
YEARS
 GUARANTEE

1

W

lm













LED Essence T26

d mm

l mm

Pcs..

h

e Glass											
1	43920789	RL-T26 40 827/C/E14	4.2	470	25	83	E14		20	E	15000



— 4 —
YEARS
 GUARANTEE

1

W

lm













LED Essence T20

d mm

l mm

Pcs..

h

e Glass											
1	43919881	RL-T20 15 827/C/E14 FIL	1.5	136	20	56	E14		20	F	15000



1



LED Star T32

d mm l mm Pcs. h



1	44019835	RL-T32 60 DIM 827/C/E27	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	RL-T18 75 DIM 827/C/B15D	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

The image shows the Radium LED's Save Calculator interface on three devices: a desktop monitor, a tablet, and a smartphone. The interface displays a comparison between traditional and alternative LED lighting solutions. The desktop monitor shows the 'Nutzungs-Szenario: Haushalt' (Household) scenario, comparing 'Traditionelle Lichtlösung' (Traditional lighting solution) and 'Alternative LED-Lichtlösung' (Alternative LED lighting solution). The alternative LED solution is highlighted, showing details for 'LED Star T8-RetroFit, RL-T8 18 S' and 'LED Star T8-RetroFit, RL-T8 18 S'. The interface also displays energy consumption costs and payback time. A QR code is visible in the bottom right corner.

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.



TIP: You can also control our lamps with your smartphone. Find more information at www.radium.de/en/smartlighting/ted



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



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



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

Höchste Anforderungen an Funktion und Qualität für den professionellen Einsatz.



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

Notes.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Space for your thoughts.

Notes.

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