

PRODUCT FAMILY DATASHEET

LED STAR R50

LED reflector lamps R50 with retrofit screw base



AREAS OF APPLICATION

- Display cabinets and shop windows
- Museums, art galleries
- Exhibition rooms
- Hospitality
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Long lifetime of up to 15,000 h
- Low energy consumption
- Easy replacement of halogen lamps thanks to compact design
- Instant 100 % light, no warm-up time

PRODUCT FEATURES

- Professional LED alternative to halogen lamps
- Mercury-free lamps



TECHNICAL DATA

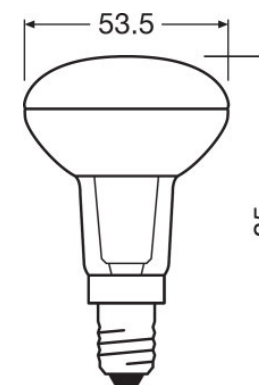
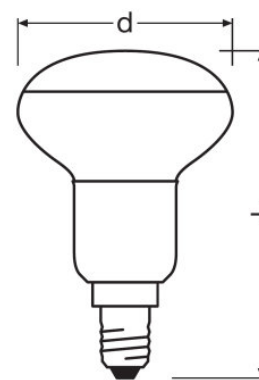
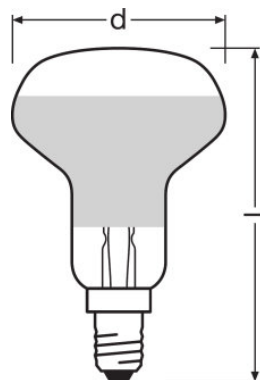
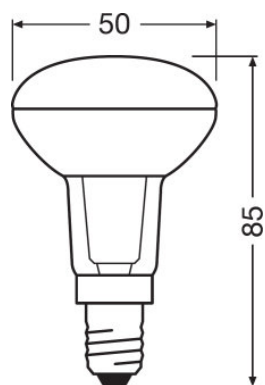
Product description	Electrical data					Photometrical data			
	Nominal wattage	Nominal voltage	Claimed equiv. conventional lamp power	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Nominal luminous flux	Rated luminous flux	Lumen main.fact.at end of nom.life time	Light color (designation)
ST R50 25 36° 1.5 W/2700K E14 ¹⁾	1.50 W	220...240 V	25 W	300	400	110 lm	110 lm	0.70	Warm White
ST R50 19 60° 2.8 W/2700K E14 ¹⁾	2.80 W	220...240 V	19 W			180 lm	180 lm	0.70	Warm White
ST R50 40 36° 2.6 W/2700K E14 ¹⁾	2.60 W	220...240 V	40 W	300	400	210 lm	210 lm	0.70	Warm White
ST R50 40 36° 2.6 W/4000K E14 ¹⁾	2.60 W	220...240 V	40 W	300	400	210 lm	210 lm	0.70	Cool White
ST R50 46 36° 3.5 W/2700K E14 ¹⁾	3.50 W	220...240 V	46 W			230 lm	230 lm	0.70	Warm White
ST R50 60 36° 4.3 W/2700K E14 ¹⁾	4.30 W	220...240 V	60 W	300	400	345 lm	345 lm	0.70	Warm White

Product description	Color temperature	Luminous flux	Color rendering index Ra	Light technical data	Dimensions & weight		Temperatures & operating conditions	Lifespan	
				Warm-up time (60 %)	Overall length	Diameter	Ambient temperature range	Nominal lamp life time	Number of switching cycles
ST R50 25 36° 1.5 W/2700K E14 ¹⁾	2700 K	110 lm	≥80	< 0.50 s	85.0 mm	50.0 mm	-20...+40 °C	15000 h	100000
ST R50 19 60° 2.8 W/2700K E14 ¹⁾	2700 K	180 lm	≥80	< 0.50 s	85.0 mm	50.0 mm	-20...+40 °C	15000 h	100000
ST R50 40 36° 2.6 W/2700K E14 ¹⁾	2700 K	210 lm	≥80	< 0.50 s	85.0 mm	50.0 mm	-20...+40 °C	15000 h	100000
ST R50 40 36° 2.6 W/4000K E14 ¹⁾	4000 K	210 lm	≥80	< 0.50 s	85.0 mm	50.0 mm	-20...+40 °C	15000 h	100000
ST R50 46 36° 3.5 W/2700K E14 ¹⁾	2700 K	230 lm	≥80	< 1.00 s	84.0 mm	49.0 mm	-20...+40 °C	15000 h	100000
ST R50 60 36° 4.3 W/2700K E14 ¹⁾	2700 K	345 lm	≥80	< 0.50 s	85.0 mm	50.0 mm	-20...+40 °C	15000 h	100000

Product description	Additional product data		Capabilities	Certificates & standards		Country-specific categorizations
	Base (standard designation)	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST R50 25 36° 1.5 W/2700K E14 ¹⁾	E14	Yes	No	A+	2 kWh/1000h	
ST R50 19 60° 2.8 W/2700K E14 ¹⁾	E14	Yes	No	A+	3 kWh/1000h	DRRR-2,8-220/240-E14-50/19
ST R50 40 36° 2.6 W/2700K E14 ¹⁾	E14	Yes	No	A++	3 kWh/1000h	
ST R50 40 36° 2.6 W/4000K E14 ¹⁾	E14	Yes	No	A	4 kWh/1000h	
ST R50 46 36° 3.5 W/2700K E14 ¹⁾	E14	Yes	No	A+	4 kWh/1000h	DRR-3,5/827-220-240-E14-50/36

Product description	Additional product data		Capabilities	Certificates & standards		Country-specific categorizations
	Base (standard designation)	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST R50 60 36° 4.3 W/2700K E14 ¹⁾	E14	Yes	No	A+	5 kWh/1000h	

¹⁾ All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value



ST R50 25 36° 1.5 W/2700K E14, ST R50 40 36° 2.6 W/2700K E14, ST R50 40 36° 2.6 W/4000K E14

ST R50 19 60° 2.8 W/2700K E14

ST R50 46 36° 3.5 W/2700K E14

ST R50 60 36° 4.3 W/2700K E14

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075096813	Shipping carton box 6	342 mm x 154 mm x 134 mm	586.00 g	7.06 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075096837	Shipping carton box 20	298 mm x 242 mm x 105 mm	1676.00 g	7.57 dm ³
4058075125919	Shipping carton box 10	276 mm x 115 mm x 106 mm	857.00 g	3.36 dm ³
4058075813564	Shipping carton box 6	319 mm x 154 mm x 134 mm	362.00 g	6.58 dm ³
4058075096875	Shipping carton box 6	342 mm x 154 mm x 134 mm	586.00 g	7.06 dm ³
4058075096899	Shipping carton box 20	298 mm x 242 mm x 105 mm	1676.00 g	7.57 dm ³
4058075125933	Shipping carton box 10	276 mm x 115 mm x 106 mm	857.00 g	3.36 dm ³
4058075264755	Shipping carton box 6	342 mm x 154 mm x 134 mm	646.00 g	7.06 dm ³
4052899963191	Shipping carton box 6	319 mm x 154 mm x 134 mm	442.00 g	6.58 dm ³
4058075097254	Shipping carton box 6	342 mm x 154 mm x 134 mm	586.00 g	7.06 dm ³
4058075126039	Shipping carton box 10	276 mm x 115 mm x 106 mm	857.00 g	3.36 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

REFERENCES / LINKS

For further products and actual information concerning LED lamps see

- ▶ www.ledvance.com/ledlamps

For Guarantee see

- ▶ www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.