

# PRODUCT FAMILY DATASHEET

## LED STAR PAR16

LED reflector lamps PAR16 with retrofit pin base



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### AREAS OF APPLICATION

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

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### PRODUCT FEATURES

- LED alternative to conventional high voltage 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	Color temperature	Lumen main.fact.at end of nom.life time
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	2.60 W	220...240 V	35 W	526	842	230 lm	230 lm	2700 K	0.70
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	2.60 W	220...240 V	35 W	526	842	230 lm	230 lm	2700 K	0.70
ST PAR 16 35 36° 3 W/2700K GU10 <sup>1)</sup>	3.00 W	220...240 V	35 W	526	842	230 lm	230 lm	2700 K	0.70
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	2.60 W	220...240 V	35 W	526	842	230 lm	230 lm	2700 K	0.70
ST PAR 16 35 36° 2.6 W/4000K GU10 <sup>1)</sup>	2.60 W	220...240 V	35 W	526	842	230 lm	230 lm	4000 K	0.70
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	2.60 W	220...240 V	35 W	526	842	230 lm	230 lm	2700 K	0.70
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	2700 K	0.70
ST PAR 16 50 36° 4.5 W/4000K GU10 <sup>1)</sup>	4.50 W	220...240 V	50 W	303	484	350 lm	350 lm	4000 K	0.70
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	2700 K	0.70
ST PAR 16 50 36° 4.3 W/4000K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	4000 K	0.70
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	2700 K	0.70
ST PAR 16 50 36° 4.5 W/2700K E14 <sup>1)</sup>	4.50 W	220...240 V	50 W	20	32	350 lm	350 lm	2700 K	0.70
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	2700 K	0.70
ST PAR 16 50 120° 4.3 W/2700K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	2700 K	0.70
ST PAR 16 50 120° 4.3 W/4000K GU10 <sup>1)</sup>	4.30 W	220...240 V	50 W	303	484	350 lm	350 lm	4000 K	0.70
ST PAR 16 80 36° 6.9 W/2700K GU10 <sup>1)</sup>	6.90 W	220...240 V	80 W	59	97	575 lm	575 lm	2700 K	0.70
ST PAR 16 80 36° 6.9 W/4000K GU10 <sup>1)</sup>	6.90 W	220...240 V	80 W	59	97	575 lm	575 lm	4000 K	0.70

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	Color temperature	Lumen main.fact.at end of nom.life time
ST PAR 16 80 120° 6.9 W/2700K GU10 <sup>1)</sup>	6.90 W	220...240 V	80 W	59	97	575 lm	575 lm	2700 K	0.70
ST PAR 16 80 120° 6.9 W/4000K GU10 <sup>1)</sup>	6.90 W	220...240 V	80 W	59	97	575 lm	575 lm	4000 K	0.70

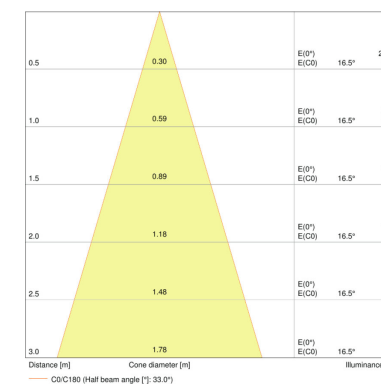
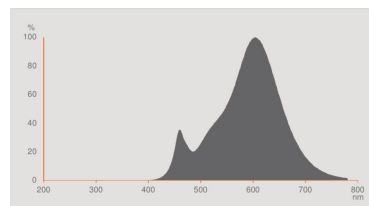
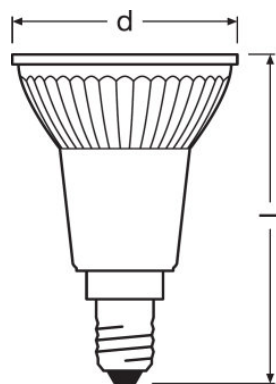
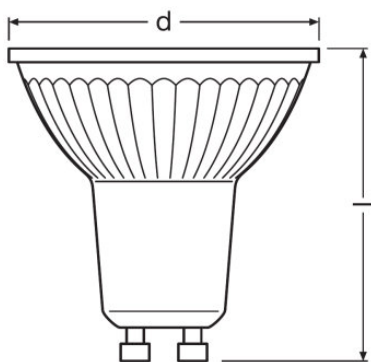
Product description	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra	Light technical data	Dimensions & weight	Temperatures & operating conditions	Lifespan
					Warm-up time (60 %)	Overall length	Diameter	Maximum temperature at tc test point
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	230 lm	≥80	< 0.50 s	55.0 mm	70 °C	15000 h
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	230 lm	≥80	< 0.50 s	55.0 mm	70 °C	15000 h
ST PAR 16 35 36° 3 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	230 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	230 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 35 36° 2.6 W/4000K GU10 <sup>1)</sup>	Cool White	4000 K	230 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	230 lm	≥80	< 0.50 s	55.0 mm	70 °C	15000 h
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	350 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 50 36° 4.5 W/4000K GU10 <sup>1)</sup>	Cool White	4000 K	350 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	350 lm	≥80	< 0.50 s	55.0 mm	87 °C	15000 h
ST PAR 16 50 36° 4.3 W/4000K GU10 <sup>1)</sup>	Cool White	4000 K	350 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	350 lm	≥80	< 0.50 s	55.0 mm	85 °C	15000 h
ST PAR 16 50 36° 4.5 W/2700K E14 <sup>1)</sup>	Warm White	2700 K	350 lm	≥80	< 0.50 s	73.0 mm	85 °C	15000 h

Product description	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra	Light technical data	Dimensions & weight		Temperatures & operating conditions	Lifespan
					Warm-up time (60 %)	Overall length	Diameter	Maximum temperature at tc test point	Nominal lamp life time
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	350 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	87 °C	15000 h
ST PAR 16 50 120° 4.3 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	350 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	87 °C	15000 h
ST PAR 16 50 120° 4.3 W/4000K GU10 <sup>1)</sup>	Cool White	4000 K	350 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	87 °C	15000 h
ST PAR 16 80 36° 6.9 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	575 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	104 °C	15000 h
ST PAR 16 80 36° 6.9 W/4000K GU10 <sup>1)</sup>	Cool White	4000 K	575 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	104 °C	15000 h
ST PAR 16 80 120° 6.9 W/2700K GU10 <sup>1)</sup>	Warm White	2700 K	575 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	104 °C	15000 h
ST PAR 16 80 120° 6.9 W/4000K GU10 <sup>1)</sup>	Cool White	4000 K	575 lm	≥80	< 0.50 s	55.0 mm	51.0 mm	104 °C	15000 h

Product description	Number of switching cycles	Additional product data		Capabilities	Certificates & standards		Country-specific categorizations
		Base (standard designation)	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	3 kWh/1000h	DRPAR-2,6/840-220-240-GU10-50/36
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	3 kWh/1000h	
ST PAR 16 35 36° 3 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	3 kWh/1000h	DRPAR-2,6/840-220-240-GU10-50/36
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	3 kWh/1000h	DRPAR-2,6/840-220-240-GU10-50/36
ST PAR 16 35 36° 2.6 W/4000K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	3 kWh/1000h	DRPAR-2,6/840-220-240-GU10-50/36
ST PAR 16 35 36° 2.6 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	3 kWh/1000h	DRPAR-2,6/840-220-240-GU10-50/36
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	5 kWh/1000h	DRPAR-4,3/840-220-240-GU10-50/36

Product description	Number of switching cycles	Additional product data		Capabilities	Certificates & standards		Country-specific categorizations
		Base (standard designation)	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST PAR 16 50 36° 4.5 W/4000K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	5 kWh/1000h	DRPAR-4,3/840-220-240-GU10-50/36
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	5 kWh/1000h	DRPAR-4,3/840-220-240-GU10-50/36
ST PAR 16 50 36° 4.3 W/4000K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	5 kWh/1000h	DRPAR-4,3/840-220-240-GU10-50/36
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	5 kWh/1000h	DRPAR-4,3/840-220-240-GU10-50/36
ST PAR 16 50 36° 4.5 W/2700K E14 <sup>1)</sup>	100000	E14	Yes	No	A+	5 kWh/1000h	
ST PAR 16 50 36° 4.3 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A++	5 kWh/1000h	
ST PAR 16 50 120° 4.3 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	5 kWh/1000h	DRPAR-4,3/827-220-240-GU10-50/36
ST PAR 16 50 120° 4.3 W/4000K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	5 kWh/1000h	DRPAR-4,3/840-220-240-GU10-50/36
ST PAR 16 80 36° 6.9 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	7 kWh/1000h	DRPAR-6,9/827-220-240-GU10-50/36
ST PAR 16 80 36° 6.9 W/4000K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	7 kWh/1000h	DRPAR-6,9/840-220-240-GU10-50/36
ST PAR 16 80 120° 6.9 W/2700K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	7 kWh/1000h	DRPAR-6,9/827-220-240-GU10-50/120
ST PAR 16 80 120° 6.9 W/4000K GU10 <sup>1)</sup>	100000	GU10	Yes	No	A+	7 kWh/1000h	DRPAR-6,9/840-220-240-GU10-50/120

<sup>1)</sup> 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

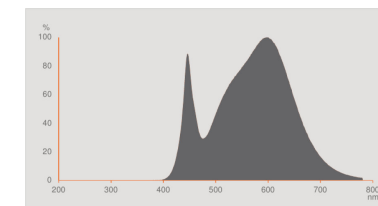
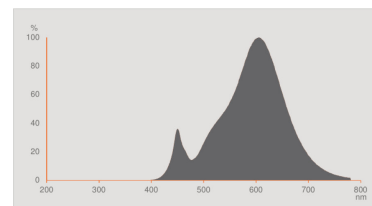
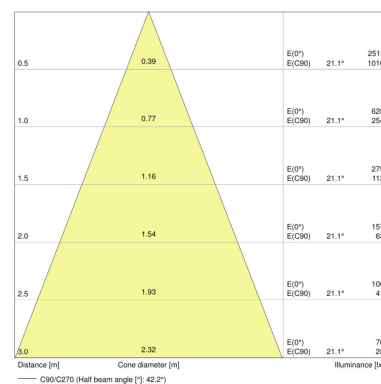
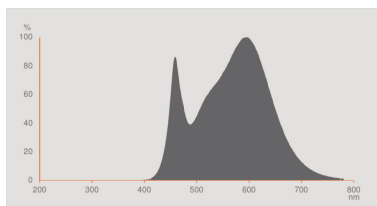


ST PAR 16 35 36° 2.6 W/2700K GU10,  
 ST PAR 16 35 36° 2.6 W/2700K GU10,  
 ST PAR 16 35 36° 3 W/2700K GU10, ST  
 PAR 16 35 36° 2.6 W/2700K GU10, ST  
 PAR 16 35 36° 2.6 W/4000K GU10, ST  
 PAR 16 35 36° 2.6 W/2700K GU10, ST  
 PAR 16 50 36° 4.3 W/2700K GU10, ST  
 PAR 16 50 36° 4.5 W/4000K GU10, ST  
 PAR 16 50 36° 4.3 W/2700K GU10, ST  
 PAR 16 50 36° 4.3 W/4000K GU10, ST  
 PAR 16 50 36° 4.3 W/2700K GU10, ST  
 PAR 16 50 36° 4.3 W/2700K GU10, ST  
 PAR 16 50 120° 4.3 W/2700K GU10, ST  
 PAR 16 50 120° 4.3 W/4000K GU10, ST  
 PAR 16 80 36° 6.9 W/2700K GU10, ST  
 PAR 16 80 36° 6.9 W/4000K GU10, ST  
 PAR 16 80 120° 6.9 W/2700K GU10, ST  
 PAR 16 80 120° 6.9 W/4000K GU10

ST PAR 16 50 36° 4.5 W/2700K E14

ST PAR 16 35 36° 2.6 W/2700K GU10,  
 ST PAR 16 35 36° 2.6 W/2700K GU10,  
 ST PAR 16 35 36° 3 W/2700K GU10, ST  
 PAR 16 35 36° 2.6 W/2700K GU10, ST  
 PAR 16 35 36° 2.6 W/2700K GU10, ST  
 PAR 16 50 36° 4.3 W/2700K GU10, ST  
 PAR 16 50 36° 4.3 W/2700K GU10, ST  
 PAR 16 50 120° 4.3 W/2700K GU10

ST PAR 16 35 36° 2.6 W/4000K GU10



ST PAR 16 50 36° 4.3 W/4000K GU10,  
 ST PAR 16 50 36° 4.3 W/4000K GU10,  
 ST PAR 16 50 120° 4.3 W/4000K GU10

ST PAR 16 50 36° 4.3 W/2700K GU10,  
 ST PAR 16 50 36° 4.3 W/2700K GU10

ST PAR 16 80 36° 6.9 W/2700K GU10,  
 ST PAR 16 80 120° 6.9 W/2700K GU10

ST PAR 16 80 36° 6.9 W/4000K GU10,  
 ST PAR 16 80 120° 6.9 W/4000K GU10

### 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
4058075233270	Shipping carton box 10	266 mm x 111 mm x 71 mm	585.00 g	2.10 dm <sup>3</sup>
4058075260245	Shipping carton box 10	276 mm x 94 mm x 70 mm	593.00 g	1.82 dm <sup>3</sup>
4052899958739	Shipping carton box 10	290 mm x 254 mm x 134 mm	685.00 g	9.87 dm <sup>3</sup>
4052899388185	Shipping carton box 20	290 mm x 254 mm x 134 mm	1046.00 g	9.87 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899958746	Shipping carton box 10	290 mm x 254 mm x 134 mm	637.00 g	9.87 dm <sup>3</sup>
4052899388208	Shipping carton box 30	506 mm x 148 mm x 199 mm	1505.00 g	14.90 dm <sup>3</sup>
4058075112575	Shipping carton box 10	266 mm x 111 mm x 71 mm	585.00 g	2.10 dm <sup>3</sup>
4058075112599	Shipping carton box 10	266 mm x 111 mm x 71 mm	585.00 g	2.10 dm <sup>3</sup>
4052899388161	Shipping carton box 30	506 mm x 148 mm x 199 mm	1713.00 g	14.90 dm <sup>3</sup>
4052899958791	Shipping carton box 10	290 mm x 254 mm x 134 mm	683.00 g	9.87 dm <sup>3</sup>
4052899981072	Shipping carton box 20	290 mm x 254 mm x 134 mm	1214.00 g	9.87 dm <sup>3</sup>
4052899388147	Shipping carton box 20	290 mm x 254 mm x 134 mm	1047.00 g	9.87 dm <sup>3</sup>
4052899958777	Shipping carton box 10	290 mm x 254 mm x 134 mm	690.00 g	9.87 dm <sup>3</sup>
4058075264397	Shipping carton box 10	290 mm x 254 mm x 134 mm	763.00 g	9.87 dm <sup>3</sup>
4058075260269	Shipping carton box 10	276 mm x 94 mm x 70 mm	613.00 g	1.82 dm <sup>3</sup>
4052899958784	Shipping carton box 10	290 mm x 254 mm x 134 mm	641.00 g	9.87 dm <sup>3</sup>
4052899958838	Shipping carton box 10	290 mm x 254 mm x 134 mm	674.00 g	9.87 dm <sup>3</sup>
4052899958852	Shipping carton box 10	290 mm x 254 mm x 134 mm	716.00 g	9.87 dm <sup>3</sup>
4058075112612	Shipping carton box 10	266 mm x 111 mm x 71 mm	607.00 g	2.10 dm <sup>3</sup>
4058075112636	Shipping carton box 10	266 mm x 111 mm x 71 mm	635.00 g	2.10 dm <sup>3</sup>



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075815629	Shipping carton box 10	290 mm x 254 mm x 134 mm	741.00 g	9.87 dm <sup>3</sup>
4058075815865	Shipping carton box 10	290 mm x 254 mm x 134 mm	737.00 g	9.87 dm <sup>3</sup>
4058075815605	Shipping carton box 10	290 mm x 254 mm x 134 mm	741.00 g	9.87 dm <sup>3</sup>

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.

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#### REFERENCES / LINKS

For further products and actual information concerning LED lamps see

- ▶ [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)

For Guarantee see

- ▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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