

PRODUCT DATASHEET LED PIN 48 320° 4.8W 840 Clear G9

LED PIN G9 | LED lamps with retrofit pin base G9



Areas of application

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Good all-around light emission
- Long lifetime of up to 15,000 h
- Ideal for decorative and free-burning applications
- Three year guarantee
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to conventional high voltage lamps
- Good quality of light; color rendering index $R_{a}\!\!:$ \geq 80; constant chromaticity





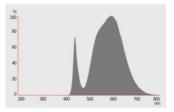
TECHNICAL DATA

Electrical data

Nominal wattage	4.8 W	
Construction wattage	4.80 W	
Nominal voltage	220240 V	
Operating mode	AC Mains	
Claimed equiv. conventional lamp power	48 W	
Nominal current	40 mA	
Type of current	AC	
Inrush current	5.2 A	
Operating frequency	50/60 Hz	
Mains frequency	50/60 Hz	
Max. lamp no. on circuit break. 10 A (B)	92	
Max. lamp no. on circuit break. 16 A (B)	116	
Total harmonic distortion	< 200 %	
Power factor λ	> 0.40	

Photometrical data

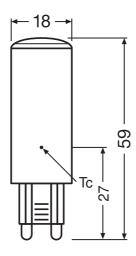
Luminous flux	600 lm
Nominal useful luminous flux 90°	600 lm
Luminous efficacy	125 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Light technical data

Beam angle	320 °	
Warm-up time (60 %)	< 0.50 s	
Starting time	< 0.5 s	

Dimensions & Weight



Overall length	59.00 mm
Diameter	18.00 mm
Maximum diameter	18 mm
Product weight	12.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C

Lifespan L70/B00 at 25 °C Number of switching cycles Lumen maintenance at end of service lifetime 0.70 Rated lamp survival factor at 6,000 h 2.0.90 Additional product data Ease (standard designation) Mercury content 0.0 mg Mercury ontent Obeign / version Clear All technical parameters apply to the entire lamp / Due to the complex product remark Product remark All technical parameters apply to the entire lamp / Due to the complex product remark Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy officiency class Ene		
Litespant 170/850 at 25 °C Number of switching cycles Lumen maintenance at end of service lifetime 0.70 Rated lamp survival factor at 6,000 h Additional product data Base (standard designation) Mercury content 0.0 mg Mercury sortient Obesign / version Clear All technical parameters apply to the entire lamp / Due to the complex product for the technical LED parameters are purely individuals shown for the technical LED parameters are purely statistical values that of not necessarily match the actual federal parameters are purely federal of each individual product, which can vary from the typical value. Capabilities Dimmstele No Certificates & Standards Energy efficiency class Energy efficiency class Energy efficiency class (EFC) on a scale of A highest efficiency) to G (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest efficiency class (EFC) on a scale of A highest efficiency (1 0 G) (lowest ef	Maximum temperature at tc test point	101 °C
Number of switching cycles Lumen maintenance at end of service lifetime 0.70 Rated lamp survival factor et 6,000 h 2 0.90 Additional product data Base (standard designation) Mercury ontent 0.0 mg Mercury free Yes Design / version Clear Adlite behind parameters apply to the entire lamp / Due to the complex production process for igni-emitting diccles, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each incividual product, which can vary from the typical value Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy consumption Standards Energy consumption 10 Evergy efficiency class EEG) on a scale of A (righest efficiency) to S (towast efficiency) Country-specific categorizations Cred reference LEDPINSO CL 4,8 LOGISTICAL DATA Temperature range at storage 20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used	Lifespan	
Lumen maintenance at end of service lifetime 0.70 Rated lamp survival factor at 6,000 h > 0.90 Additional product data Base (standard designation) 69 Mercury content 0.00 mg Mercury-free Yes Design / version Ciear All technical parameters apply to the entre lamp / Due to the complex productor process for light-amitting cloides, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters are purely statistical values that do not necessarily match the actual technical 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 for the complex statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value for the complex statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value for the complex statistics as Standards Energy efficiency class Energy efficiency class Energy efficiency class Energy efficiency class E1) Standards E2) E3 E40 E40 E40 E40 E40 E40 E40	Lifespan L70/B50 at 25 °C	15000 h
Rated lamp survival factor at 6,000 h Additional product data Base (standard designation) G9 Mercury content 0.0 mg Mercury content Ves Design / version Clear All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting dodes, the typical values shown for the technical LED parameters are purely advises shown for the chricial LED parameters are purely advises that do not necessarily match the actual technical sparameters of each individual product, which can vary from the typical value that do not necessarily match the actual technical sparameters are purely and the second technical LED parameters are purely an	Number of switching cycles	100000
Additional product data Base (standard designation) Mercury content O.0 mg Mercury content Ossign / version 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 Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy efficiency class Energy efficiency class Energy efficiency class (Ef) Standards CE / EAC / LIKCA Photobiological safety group acc. to EN62778 RG1 Percepy efficiency class (EEC) on a scale of A (highest efficiency) to 9 (lowest efficiency) Country-specific categorizations Order reference LEDPINSO CL 4,8 LECOISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used	Lumen maintenance at end of service lifetime	0.70
Mercury content 0.0 mg Mercury content 0.0 mg Mercury-free Yes Design / version Clear All technical parameters apply to the entire lamp / Due to the complex product nemark All technical parameters apply to the entire lamp / Due to the complex production process for light-entiting diodes, the typical values shown for the technical LED parameters are present statistical values shown for the technical LED parameters are present statistical values shown for the technical LED parameters are deach individual product, which can vary from the typical value shown ont necessarily match the actual technical parameters of each individual product, which can vary from the typical value Capabilities Dimmable No Certificates & Standards Energy efficiency class E 10 Energy efficiency class E 10 Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN82778 RG1 Theregy efficiency class (EEC) on a scale of A (highest efficiency) to G (towest efficiency) Country-specific categorizations Order reference LEDPINSO CL 4,8 LEDPINSO CL 4,8 LEDPINSO CL 4,8 Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Rated lamp survival factor at 6,000 h	≥ 0.90
Mercury content Mercury-free Peoliuct remark Product remark All technical parameters apply to the entire lamp / Due to the complex product no process for light-entiring 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 Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy efficiency class Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 Phergy efficiency class (EC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPINSO CL 4,8 Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Additional product data	
Mercury-free Yes Design / version Clear All technical parameters apply to the entire lamp / Due to the complex product remark Product remark 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 Capabilities Dimmable No Certificates & Standards Energy efficiency class E¹ Energy efficiency class E¹ Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards OE / EAG / UKCA Photobiological safety group acc. to EN62778 RG1 Theoryy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPINSO CL 4,8 LEDPINSO CL 4,8 Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Base (standard designation)	G9
Design / version Clear 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 Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy efficiency class Energy consumption Sou kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 Therepy efficiency class (EEC) on a scale of A Pilighest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPINSO CL 4,8 Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Mercury content	0.0 mg
All technical parameters apply to the entire lamp / Due to the complex product remark Product remark 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 Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy efficiency class Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 Theory efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LCGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used	Mercury-free	Yes
Product remark 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 Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy efficiency class Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 Therepy efficiency class (EEC) on a scale of A (highest efficiency) to Q (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8	Design / version	Clear
Certificates & Standards Energy efficiency class E11 Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Product remark	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
Energy efficiency class E 1) Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Capabilities	
Energy efficiency class E 1) Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED		
Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Dimmable	No
Type of protection Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Dimmable Certificates & Standards	No
Standards CE / EAC / UKCA Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards	
Photobiological safety group acc. to EN62778 RG1 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class	E 1)
1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency) Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption	E ¹⁾ 5.00 kWh/1000h
Country-specific categorizations Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption Type of protection	E ¹⁾ 5.00 kWh/1000h IP20
Order reference LEDPIN50 CL 4,8 LOGISTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA
Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1
Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1
Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiently). Country-specific categorizations	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1
Lighting technology used LED	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiently). Country-specific categorizations	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1
	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiently) to G (lo	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1 LEDPIN50 CL 4,8
Non-directional or directional NDLS	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiently) to G (lo	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1 LEDPIN50 CL 4,8
	Certificates & Standards Energy efficiency class Energy consumption Type of protection Standards Photobiological safety group acc. to EN62778 1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency-specific categorizations) Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1 Siency) LEDPIN50 CL 4,8

Mains or non-mains	MLS
Light source cap-type (or other electric interface)	G9
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0 W
Claim of equivalent power	Yes
Length	59.00 mm
Height	18.00 mm
Width	18.00 mm
Chromaticity coordinate x	0.382
Chromaticity coordinate y	0.380
R9 Colour rendering index	8
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.4
LED light source replaces a fluorescent light source	No
EPREL ID	1403002,522869,1495799,1856533
Model number	AC32122,AC17656,AC49477,AC58955

Safety advice

- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

Photometric and lighting design files



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075432482	Folding box	20 mm x 49 mm x 95 mm	19.00 g	0.09 dm ³
4058075622968	Shipping box 6	109 mm x 79 mm x 104 mm	120.00 g	0.90 dm ³
4058075432505	Shipping box 80	256 mm x 236 mm x 237 mm	2188.00 g	14.32 dm ³
4058075622975	Shipping box 48	236 mm x 176 mm x 237 mm	1490.00 g	9.84 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 dimming conformity see www.ledvance.com/dim
- 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.