

product_datasheet_title

P LINE R7s 118.00 mm 100 13 W/2700 K R7s

PARATHOM® LINE R7s | Double-ended special LED lamps



technical_data

ELECTRICAL DATA

Nominal wattage	13 W
Construction wattage	13.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	85 mA
Type of current	AC
Inrush current	4.16 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	94
Max. lamp number on MCB B16 A	146
Total harmonic distortion	< 175 %
Power factor λ	≥ 0.50

PHOTOMETRICAL DATA

Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	117 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥ 80
Light color	827
Standard deviation of color matching	≤ 6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



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LIGHT TECHNICAL DATA

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

DIMENSIONS & WEIGHT

Overall length	118.00 mm
Diameter	28.00 mm
Maximum diameter	28 mm
Product weight	95.00 g

TEMPERATURES & OPERATING CONDITIONS

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	82 °C

LIFESPAN

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
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)	R7s
Mercury content	0.0 mg
Design / version	Clear

CAPABILITIES

Dimmable	no
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CERTIFICATES & STANDARDS

Energy efficiency class	E 1)
Energy consumption	13.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

COUNTRY-SPECIFIC CATEGORIZATIONS

Order reference	LEDPLI118100 13
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LOGISTICAL DATA


Temperature range at storage	-20...+80 °C
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Energy labelling regulation data

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	R7s
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	0.00
Claim of equivalent power	Yes
Length	118.00 mm
Height	28.00 mm
Width	28.00 mm

Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
Beam angle correspondence	SPHERE_360
Survival factor	0.90
LED light source replaces a fluorescent light source	no
EPREL ID	522896
Model number	AC32133

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Documents and certificates		document_name
	Declarations Of Conformity CE	LED SLIM LINE 78 60 NON-DIM

Photometric and lighting design files		document_name
	Spectral power distribution	349927_2700K_Evl_5630.eps

logistical_data

product_code	packaging_unit	dimensions	weight	volume
4058075626874	Folding box 1	30 mm x 30 mm x 122 mm	100.00 g	0.11 dm ³
4058075626881	Shipping box 20	159 mm x 129 mm x 131 mm	2054.00 g	2.69 dm ³
4058075626898	Shipping box 120	269 mm x 169 mm x 411 mm	12522.00 g	18.68 dm ³

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