PRODUCT DATASHEET
ST PLUS ACT/REL CLAS B 40 CL 4 W/2700 K/4000 K E14

LED RELAX and ACTIVE CLASSIC B | LED lamps with two light colors in one lamp

Areas of application

– Supports the bio rhythm when used in bed and children's room
– Outdoor use in suitable outdoor luminaires only

Product benefits

– Creates individual atmospheres: Warm White to relax, Cool White for activity
– Easy change of color temperature with double click of wall switch
– Always fitting light due to two light colors in one lamp: Warm White and Cool White
– Supports the biorhythm through activating and relaxing light color
– Long lifetime of up to 15,000 h
– Low energy consumption
– Easy relamping thanks to compact design
– Makes rooms multi-purpose with adjustable light atmosphere
– Turns kitchens, living rooms or home offices into either a work place or relax area

Product features

– Provides color temperatures of 2,700 K and 4,000 K in the same lamp
– Controllable via standard wall switch
– Good quality of light; color rendering index R_a: ≥ 80
– Mercury-free lamps

TECHNICAL DATA

Electrical data

Nominal wattage	4 W
Construction wattage	4.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	35 mA
Type of current	AC
Inrush current	0.5 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	160
Max. lamp no. on circuit break. 16 A (B)	270
Power factor λ	> 0.40

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	117 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White / Cool White
Color temperature	2700 K/4000 K
Color rendering index Ra	≥80
Light color	827/840
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	300 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	300.00 °

Dimensions & Weight

Overall length	97.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	13.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	75 °C

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	E14
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear
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	E [1]
Energy consumption	4.00 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	LEDSCLB40 ACT/R

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E14
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	STEPS
Standby power	0 W
Networked standby power for CLS	0.0
Claim of equivalent power	Yes
Length	97.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0,50
LED light source replaces a fluorescent light source	No

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	PRODUCT DATASHEET
PDF	Declarations Of Conformity CE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075434783	Folding box 1	36 mm x 49 mm x 145 mm	25.00 g	0.26 dm³
4058075114241	Blister 1	42 mm x 140 mm x 120 mm	36.00 g	0.71 dm³
4058075434790	Shipping box 4	109 mm x 89 mm x 118 mm	137.00 g	1.14 dm³
4058075114258	Shipping box 6	262 mm x 153 mm x 136 mm	315.00 g	5.45 dm³
4058075445451	Shipping box 32	236 mm x 196 mm x 265 mm	2100.00 g	12.26 dm³

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.

DISCLAIMER

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