

PRODUCT DATASHEET LED T5 FC 22 EXTERNAL 11.6W 830 2GX13

LED T5 FC EXTERNAL | LED T5 FC EXTERNAL for LED DRIVER DALI



Areas of application

- Shops, hotels and restaurants
- Public buildings

Product benefits

- Compatible with LED driver DR DALI-P -30/220-240/700 and DR DALI-P -42/220-240/1A0 (4058075845367, 4058075845381)
- Simple upgrade to dimmable LED system
- Hassle free application, no ballast compatibility check necessary
- 5 years guarantee

Product features

- Designed to power with LED DRIVER DALI PERFORMANCE
- Single-ended round LED lamp
- Suitable illumination within ambient temperatures from -20...+45 °C
- Lifetime (L70/B50) up to 50,000 h (at 25 °C)
- LED replacement for traditional T5 fluorescent circular lamps





TECHNICAL DATA

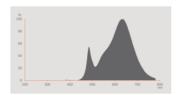
Electrical data

Nominal wattage	11.6 W
Nominal voltage	33 V
Operating mode	EXT
Nominal current	350 mA
Type of current	DC
Inrush current	3.3 A ¹⁾
Operating frequency	0 Hz
Mains frequency	0 Hz
Total harmonic distortion	< 20 %
Power factor λ	0.90

^{1) @}Th50 220us

Photometrical data

Luminous flux	1550 lm
Luminous efficacy	133 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	≤5 sdcm
Rated LLMF at 6,000 h	0.90
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4



EPREL data spectral diagram PROF LEDr 3000K

Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 1.0 s

Dimensions & Weight



Overall length	225.00 mm
Length with base excl. base pins/connection	225,00 mm
Diameter	16.50 mm
Product weight	93.00 g

Temperatures & operating conditions

Ambient temperature range	-20+45 °C ¹⁾
Maximum temperature at tc test point	63 °C

¹⁾ Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	200000
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)	2GX13
Mercury content	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	12.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA
Photobiological safety group acc. to EN62778	RG0

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

Envelope

Anti-glare shield

High luminance light source

Country-specific categorizations		
Order reference	LEDT5 FC22 EXT	
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	NMLS	
Light source cap-type (or other electric interface)	2GX13	
Connected light source (CLS)	No	
Color-tuneable light source	No	

No

No

No

Height	16.50 mm
Width	16.50 mm

Chromaticity coordinate x	0,433

Chromaticity coordinate y	0,403
R9 Colour rendering index	1

Beam angle correspondence	SPHERE_360

Dearn angle correspondence	SFIILINE_SU
Survival factor	0,90

Displacement factor	0,90
LED light source replaces a fluorescent light source	No

EPREL ID	1956109
Model number	AC63039

Accessories Mandatory

Product image	Product name	EAN
	DR DALI-P -30/220-240/700	4058075845367
	DR DALI-P -42/220-240/1A0	4058075845381

Safety advice

- Suitable for indoor applications.
- The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure Tc temperature on the product prior to installation.
- Not suitable for operation with 230 V line voltage or electronic control gear.
- Disconnect mains before installation.

DOWNLOAD DATA

	Documents and certificates	Document name	
POF	User instruction / safety instructions	LEDT5 FC22 FC40/55 EXT P	
POF	Extended installation guide	LEDVANCE Luminaire conversion checklist	
POF	Legal information	Informationstext 18 Abs 4 ElektroG	
POF	Declarations of conformity	LED T5 FC EXT	
POF	Declarations of conformity UKCA LED T5 FC EXT		
	Photometric and lighting design files	Document name	
	IES file (IES)	LED T5 EXT FC22 P 11.6W 830 2GX13 LEDV	

Photometric and lighting design files	Document name
LDT file (Eulumdat)	LED T5 EXT FC22 P 11.6W 830 2GX13 LEDV
UGR file (UGR table) LED T5 EXT FC22 P 11.6W 830 2GX13 LEDV	
Light distribution curve type cone	LED T5 EXT FC22 P 11.6W 830 2GX13 LEDV
Light distribution curve type polar	LED T5 EXT FC22 P 11.6W 830 2GX13 LEDV
Spectral power distribution	EPREL data spectral diagram PROF LEDr 3000K

Tender texts	Document name
Tender documents	LED T5 FC EXTERNAL P 11.6W 830 2GX13-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854300806	Folding box 1	26 mm x 232 mm x 233 mm	159.00 g	1.41 dm ³
4099854300813	Shipping box 10	274 mm x 250 mm x 258 mm	2039.00 g	17.67 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.

References / Links

- For current information see www.ledvance.com/ledtube

DISCLAIMER

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