

PRODUCT DATASHEET LED T5 FC 22 EXTERNAL P 11.6W 840 2GX13

LED T5 FC EXTERNAL P | 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





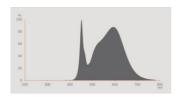
TECHNICAL DATA

Electrical data

Nominal wattage [calc.]	11.6 W
Construction wattage [PICOS]	11.60 W
Nominal voltage [calc.]	33 V
Operating mode [calc.]	EXT
Nominal current [calc.]	350 mA
Type of current [PIM]	DC
Inrush current	3.3 A
Operating frequency	0 Hz
Mains frequency [calc.]	0 Hz
Total harmonic distortion	< 20 %
Power factor ? [calc.]	0.90

Photometrical data

Luminous flux [calc.]	1700 lm
Luminous efficacy [calc.]	146 lm/W
Lumen main.fact.at end of nom.li [PICOS]	0.70
Light color (designation) [PIM]	Cool White
Color temperature [calc.]	4000 K
Color rendering index Ra [calc.]	80
Light color [calc.]	840
Standard deviation of color mat [calc.]	≤5 sdcm
Rated LLMF at _6,000 h [PICOS]	0.90
Flickering value Pst LM	<1
Stroboscope effect value SVM	<0,4



EPREL data spectral diagram PROF LEDr 4000K

Light technical data

Beam angle [calc.]	120 °
Warm-up time (60 %) [PICOS]	< 2.00 s
Starting time [calc.]	< 1.0 s

Dimensions & Weight



Construction length [PICOS]	225.00 mm
Length with base excl. base pins/connection	225,00 mm
Diameter [calc.]	16.50 mm
Product weight [AGGR]	93.00 g

Temperatures & operating conditions

Ambient temperature range [calc.]	-20+45 °C
Maximum temperature at tc test point	63 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles [calc.]	200000
Lumen maintenance at end of serv [PICOS]	0.70
Rated LSF at _6,000 h [PICOS]	0.90

Additional product data

Base (standard designation) [calc.]	2GX13
Mercury content [PICOS]	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable [calc.]	Yes
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Certificates & Standards

Energy efficiency class [calc.]	D
Energy consumption [PICOS]	12.00 kWh/1000h

Type of protection [calc.]	IP20
Standards [PIM]	CE / UKCA
Photobio. safety group a EN62778 [calc.]	RG0
Country-specific categorizations	
Order reference [calc.]	LEDT5 FC22 EXT
LOGISTICAL DATA	
Temperature range at storage	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
EPREL - Lighting technology used	LED
EPREL - Non-directional or directional	NDLS
EPREL - Mains or non-mains	NMLS
EPREL - Light source cap-type (or other electric interface)	2GX13
EPREL - Connected light source (CLS)	No
EPREL - Colour-tuneable light source	No
EPREL - Envelope	No
EPREL - High luminance light source	No
EPREL - Anti-glare shield	No
EPREL - Correlated colour temperature type	SINGLE_VALUE
EPREL - Standby power	0 W
EPREL - Claim of equivalent power	No
Length [calc.]	225.00 mm
Height (incl. cylin. luminaires) [calc.]	16.50 mm
Width (incl. round luminaires) [Calc.]	16.50 mm
EPREL - X_Color coordinates chromaticity diagram	0,381
EPREL - Y_Color coordinates chromaticity diagram	0,379
EPREL - R9 Colour rendering index	1
EPREL - Beam angle correspondence	SPHERE_360
EPREL - Survival factor	0,90
EPREL - Displacement factor	0,90
EPREL - LED light source replaces a fluorescent light	No
EPREL ID	1956108

AC63040

Accessories Mandatory

Model number

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
PDF	User instruction / safety instructions	LEDT5 FC22 FC40/55 EXT P
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	LED T5 FC EXT
PDF	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 840 2GX13 LEDV
	LDT file (Eulumdat)	LED T5 EXT FC22 P 11.6W 840 2GX13 LEDV
4		
	UGR file (UGR table)	LED T5 EXT FC22 P 11.6W 840 2GX13 LEDV
	UGR file (UGR table) Light distribution curve type cone	LED T5 EXT FC22 P 11.6W 840 2GX13 LEDV LED T5 EXT FC22 P 11.6W 840 2GX13 LEDV

Spectral power distribution

EPREL data spectral diagram PROF LEDr 4000K

Tender texts	Document name
Tender documents	LED T5 FC EXTERNAL P 11.6W 840 2GX13-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854300820	Folding box	26 mm x 232 mm x 233 mm	159.00 g	1.41 dm³
4099854300837	Shipping box 10	274 mm x 250 mm x 258 mm	2039.00 g	17.67 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 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.