

PRODUCT DATASHEET

URBAN FDO P 40W 722 SYM140

URBAN FERNANDINO SYMMETRIC | Luminaire with symmetric light distribution



PERFOR-
MANCE
CLASS

Areas of application

- Outdoor use (IP66)
- Parks
- City center
- Historical center

Product benefits

- Durable design and highest quality component selection for long lasting performance
- Quick and easy wiring, due to tool-free housing opening and push button terminal
- High light uniformity
- 2 light colors available, perfectly suited to illuminate highly diverse surroundings

Product features

- Very long lifetime (L70): up to 100,000 h (at 25 °C)
- Aluminum low copper content: AC47100
- 1000 hours salt mist spray test
- Corrosion-resistant powder coating
- Spigot for 60 mm poles included
- DALI D4i drivers for smart city applications
- Operating temperature: -20...45 °C
- High surge protection: up to 20 kV (L/N-GND)
- Type of protection: IP66



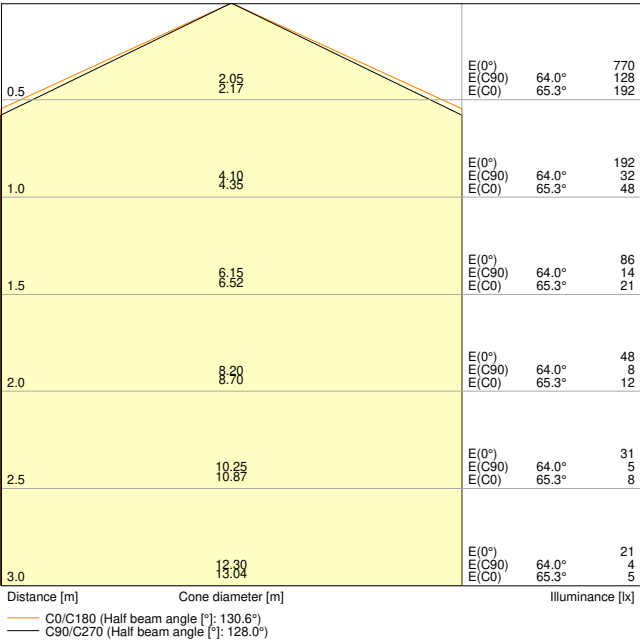
– Protection class: II

TECHNICAL DATA**Electrical data**

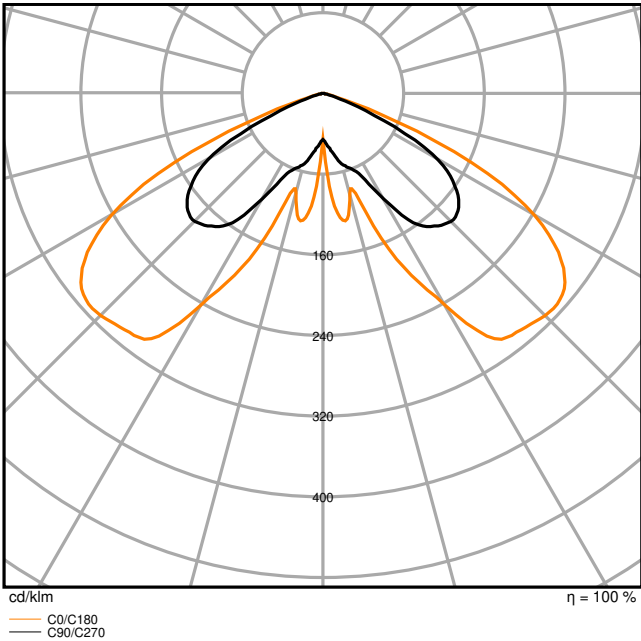
Nominal wattage	40.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	179.000 mA
Inrush current	18.7 A
Inrush current time T_{h50}	830 μ s
Max. number of luminaires per miniature circuit breaker B16	7
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	12
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Integrated LED driver
Dimming interface	DALI2 / IoT

Photometrical data

Luminous flux	4200 lm
Luminous efficacy	105 lm/W
Color temperature	2200 K
Light color (designation)	Warm White
Color rendering index Ra	> 70
Standard deviation of color matching	< 6 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	140 °



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Dimensions & Weight

Diameter	495.00 mm
Height	970.00 mm
Product weight	10790.00 g



URBAN FDO P

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9005
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+45 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screw terminal
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	Yes ¹⁾
Type of dimming	DALI D4i
Dimming range	10...100 %
IoT ready	Support of DALI data type PART 251, 252, 253 ²⁾
Mounting type	Post top
Mounting location	Pole
Application environment	Outdoor
With light source	Yes
Replaceable light source	No

1) Dali2, 8 levels Step DIM

2) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	70000 h ¹⁾
Lifespan L80/B50 at 25 °C	95000 h
Lifespan L90/B10 at 25 °C	70000 h
Number of switching cycles	50000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

ECG - Output voltage	19...57 V
Output current	200...1050 mA
ECG - Output ripple current	5...10 %

Certificates & Standards

Standards	CE / ENEC / EAC / UKCA
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES
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Accessories Optional

Product image	Product name	EAN
	URBAN FDO P SET GLASS FROSTED	4099854618666

EQUIPMENT / ACCESSORIES

- Frosted glass available as separate accessory

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	URBAN FDO P
	Legal information	Safety Insert G11218810
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Light Source Insert G11254473
	Declarations of conformity	URBAN series
	Declarations of conformity UKCA	URBAN series

Photometric and lighting design files		Document name
	IES file (IES)	URBAN FDO P 40W 722 SYM140
	LDT file (Eulumdat)	URBAN FDO P 40W 722 SYM140
	UGR file (UGR table)	URBAN FDO P 40W 722 SYM140
	Light distribution curve type cone	URBAN FDO P 40W 722 SYM140
	Light distribution curve type polar	URBAN FDO P 40W 722 SYM140
CAD/BIM files		Document name
	BIM Revit 3D	Urban Classic
	CAD STEP 3D	URBAN FDO
Tender texts		Document name
	Tender documents	URBAN FERNANDINO SYMMETRIC 40W 722 SYM140-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854609329	Shipping box 1	502 mm x 502 mm x 910 mm	13007.00 g	229.32 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 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.