

# PRODUCT DATASHEET

## URBAN FDO P 60W 730 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

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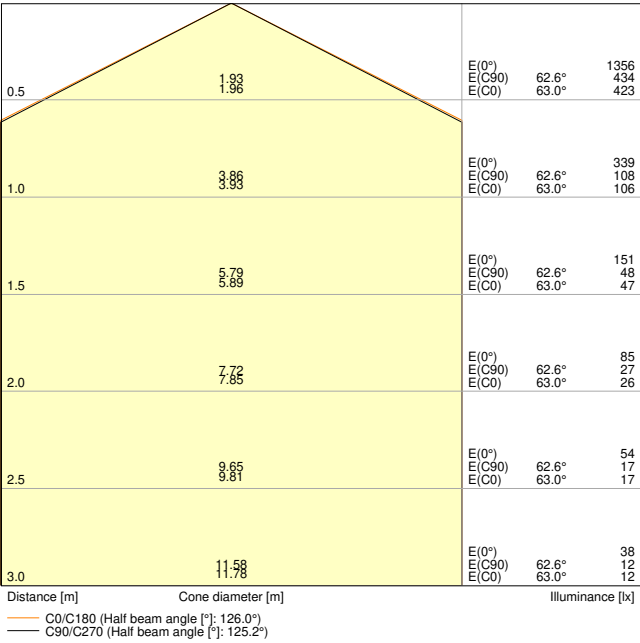
## TECHNICAL DATA

### Electrical data

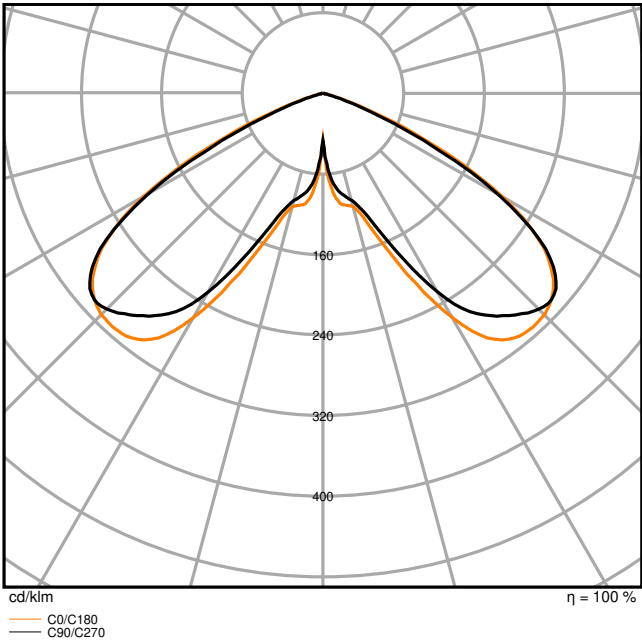
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 60.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 274.000 mA            |
| Inrush current                                              | 45.9 A                |
| Inrush current time $T_{h50}$                               | 128 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 22                    |
| Max. number of luminaires per miniature circuit breaker C10 | 22                    |
| Max. number of luminaires per miniature circuit breaker C16 | 36                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |
| Dimming interface                                           | DALI2 / IoT           |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 7200 lm    |
| Luminous efficacy                            | 120 lm/W   |
| Color temperature                            | 3000 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 | 10830.00 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 <sup>1)</sup>                                          |
| Type of dimming                        | DALI D4i                                                   |
| Dimming range                          | 10...100 %                                                 |
| IoT ready                              | Support of DALI data type PART 251, 252, 253 <sup>2)</sup> |
| 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 <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 70000 h <sup>1)</sup>  |
| Lifespan L80/B50 at 25 °C  | 95000 h                |
| Lifespan L90/B10 at 25 °C  | 70000 h                |
| Number of switching cycles | 50000                  |

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

## Control gear

|                             |               |
|-----------------------------|---------------|
| ECG - Output voltage        | 36...114 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

|                |                               |
|----------------|-------------------------------|
| Product remark | Available from September 2025 |
| Added function | VIVARES                       |

## 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 60W 730 SYM140                   |
|   | LDT file (Eulumdat)                 | URBAN FDO P 60W 730 SYM140                   |
|   | UGR file (UGR table)                | URBAN FDO P 60W 730 SYM140                   |
|   | Light distribution curve type cone  | URBAN FDO P 60W 730 SYM140                   |
|   | Light distribution curve type polar | URBAN FDO P 60W 730 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 60W 730 SYM140-en |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854609350 | Shipping box<br>1            | 502 mm x 502 mm x 910 mm             | 13047.00 g   | 229.32 dm <sup>3</sup> |

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](http://www.ledvance.com/guarantee)

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