PRODUCT DATASHEET
URBAN FLEX STREET S6 100W 740 RW45ST 1DIM NO CABLE UMBRA GREY CLASS 2

URBAN FLEX STREET ON-OFF | For street lighting applications in urban environments



Areas of application

- Outdoor applications
- Public areas
- City roads, industrial roads, parking lots
- Avenues and promenades
- Pedestrian crossings
- Parks
- M-, C- and P-class roads acc. to EN 13201

PERFOR-MANCE CLASS

Product benefits

- 7 years guarantee
- Durable design and highest quality component selection for long lasting performance
- Corrosion resistance C4: suitable for use in environments with moderate salinity
- Automatic mains disconnection when opening the housing
- 5 light colors available, perfectly suited to illuminate highly diverse surroundings
- ZHAGA standardized PCB
- ZHAGA type of connection for controllers and sensors
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt

Product features

- Modern minimalistic design
- Very long lifetime (L90/B10): Up to 100,000 h (at 25 °C)
- Impact resistance: IK10
- Protection rating: IP66
- Luminous efficacy: up to 180 lm/W
- 10 KV surge protection, with replaceable SPD

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– Operating temperature: -40...50 °C

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TECHNICAL DATA

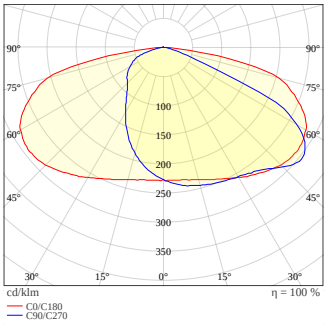
Electrical data

Nominal wattage	100.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	430.000 mA
Inrush current	82 A
Inrush current time T_{h50}	120 µs
Max. number of luminaires per miniature circuit breaker B16	8
Max. number of luminaires per miniature circuit breaker C10	6
Max. number of luminaires per miniature circuit breaker C16	9
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Surge capability (L-N)	10 kV
Operating mode	Integrated LED driver
Dimming interface	AstroDIM

Photometrical data

Luminous flux	17530 lm
Luminous efficacy	175 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	70
Standard deviation of color matching	< 5 sdcm
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	156 ° x 61 °

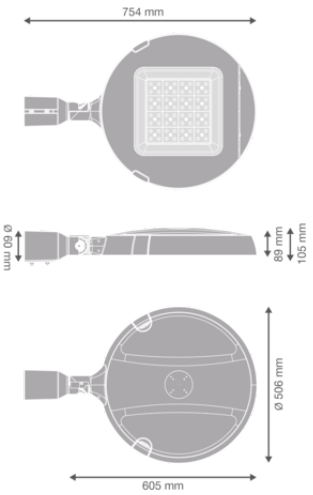
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UFLEXS6P100W
740RW45ST N
NC0UGC2AO1

Dimensions & Weight

Length	754.00 mm
Width	506.00 mm
Height	105.00 mm
Product weight	10450.00 g



URBAN FLEX STREET

Materials & Colors

Product color	Umbra grey
Housing color	Umbra grey

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RAL Color (most similar)	RAL 7022
Body material	Aluminum [1)]
Cover material	Glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

1) Low copper

Application & Mounting

Ambient temperature range	-40…+50 °C
Temperature range at storage	-40…+80 °C
Type of connection	Screwless terminal, 2-Pole (L, N)
Type of protection	IP66
Protection class IK (shock resistance)	IK10
Corrosion resistance class acc. to EN 12944	C4
Dimmable	No
Mounting type	Side entry|post top
Mounting location	Pole
Application environment	Outdoor
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	100000 h [1)]
Number of switching cycles	100000

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

Control gear

Output current	1050 mA
Output ripple current (100 Hz)	< 15 %

Certificates & Standards

Standards	CE / UKCA / EAC / ENEC / ENEC+ / DarkSky

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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Only by an expert

Additional product data

Product remark	Standard 60 mm spigot, with 76 mm available on request.

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	STREET ROUND UFLEXS
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	UFLEX
PDF	Legal information	G11264330 LI
PDF	Legal information	UFLEX STREET ROUND
PDF	Declarations of conformity	UFLEX
PDF	Declarations of conformity UKCA	UFLEX

	Photometric and lighting design files	Document name
IES	IES file (IES)	UFLEXS6P100W 740RW45ST N NC0UGC2AO1
LDT	LDT file (Eulumdat)	UFLEXS6P100W 740RW45ST N NC0UGC2AO1
	Light distribution curve type polar	UFLEXS6P100W 740RW45ST N NC0UGC2AO1

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Urban Flex Spigot

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	CAD/BIM files	Document name
	CAD STEP 3D	UB FLEX SPIGOT

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854795985	Shipping box 1	665 mm x 665 mm x 170 mm	12147.00 g	75.18 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

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