PRODUCT DATASHEET
URBAN FLEX STREET S6 100W 730 RV35ST ZHAGA TOP+BOTTOM NO CABLE UMBRA GREY CLASS 2

URBANFLEX STREET ZHAGA TOP-BOTTOM | For street smart urban lighting with Zhaga Top and Bottom interfaces



PERFOR-MANCE CLASS

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

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)

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- Impact resistance: IK10
- Protection rating: IP66
- Luminous efficacy: up to 180 lm/W
- 10 KV surge protection, with replaceable SPD
- Operating temperature: -40...50 °C

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TECHNICAL DATA

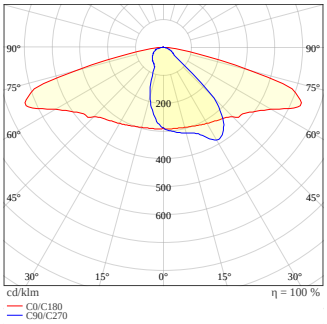
Electrical data

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	DALI D4i

Photometrical data

Luminous flux	16290 lm
Luminous efficacy	163 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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 67 °

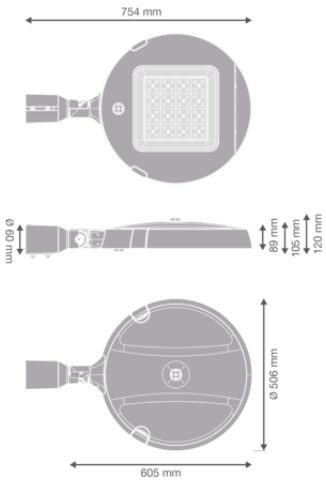
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UFLEXS6P100W
730RV35ST 2
NC0UGC24OX

Dimensions & Weight

Length	754.00 mm
Width	506.00 mm
Height	120.00 mm
Product weight	10650.00 g



URBAN FLEX STREET
ZHAGA

Materials & Colors

Product color	Umbra grey

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Housing color	Umbra grey
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	Yes
Type of dimming	DALI D4i
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 %

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Certificates & Standards

Standards	CE / UKCA / EAC / ENEC / ENEC+ / DarkSky / ZD4i
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.

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584

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Product image	Product name	EAN
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868

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Product image	Product name	EAN
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

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

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	Documents and certificates	Document name
PDF	Legal information	SL COMPACT DIM
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 730RV35ST 2 NC0UGC24OX
LDT	LDT file (Eulumdat)	UFLEXS6P100W 730RV35ST 2 NC0UGC24OX
	Light distribution curve type polar	UFLEXS6P100W 730RV35ST 2 NC0UGC24OX

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Urban Flex Spigot
STEP	CAD STEP 3D	UB FLEX SPIGOT

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854796258	Shipping box 1	665 mm x 665 mm x 170 mm	12347.00 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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