PRODUCT DATASHEET
STREETLIGHT COMPACT LARGE 155W 730 RW20ST 1DIM CLASS 2 WHITE ALU

STREETLIGHT COMPACT LARGE | For applications with luminous flux demand up to 24000 lm



VALUE CLASS

Areas of application

- Street lighting, city lighting
- Outdoor applications
- City roads, industrial roads, parking lots
- M-, C- and P-class roads acc. to EN 13201
- Public areas

Product benefits

- 3 light colors available, perfectly suited to illuminate highly diverse surroundings
- Durable design and highest quality component selection for long lasting performance
- Automatic mains disconnection when opening the housing
- Quick and easy wiring, due to tool-free housing opening and push button terminal
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- 5 years guarantee

Product features

- Light distributions optimized for streets of similar width to the pole height
- Long Lifetime (L80/B10): up to 100,000 h
- High luminous efficacy: up to 160 lm/W
- Adjustable spigot for both side-entry and post-top installation included
- +/- 15° tilt angle adjustment without opening the housing
- 10 KV surge protection, with replaceable SPD
- Operating temperature: -40...50 °C
- Certificate: ENEC



© 2026, LEDVANCE GmbH. All rights reserved.

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

Nominal wattage	155.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	< 770 mA
Inrush current	71.2 A
Inrush current time T_{h50}	240 µs
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	4
Max. number of luminaires per miniature circuit breaker C16	6
Power factor λ	> 0.95
Maximum total harmonic distortion	< 20 %
Protection class	II
Surge capability (L-N)	10 kV
Operating mode	Integrated LED driver

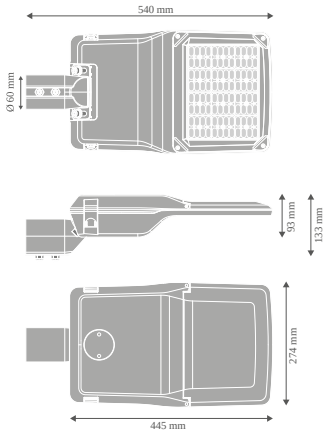
Photometrical data

Luminous flux	22475 lm
Total luminous flux of contained light sources	
Luminous efficacy	145 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	70
Standard deviation of color matching	≤5 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	59° x 143 °

Dimensions & Weight

Length	540.00 mm
Width	133.00 mm
Height	274.00 mm
Product weight	4960.00 g

© 2026, LEDVANCE GmbH. All rights reserved.



SL_COMPACT_LARGE_ONOFF

Materials & Colors

Product color	White aluminum
Housing color	LIGHT GREY
RAL Color (most similar)	RAL9006
Body material	Aluminum
Cover material	Glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-40…+50 °C
Temperature range at storage	-30…+80 °C
Type of connection	Screwless terminal
Type of protection	IP66
Protection class IK (shock resistance)	IK08
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

© 2026, LEDVANCE GmbH. All rights reserved.

Lifespan

Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
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	805 mA
Output ripple current (100 Hz)	10 %

Certificates & Standards

Standards	CE / EAC / UKCA / ENEC
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Only by an expert

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	SL COMPACT
PDF	Legal information	Safety Insert G11218810
PDF	Legal information	SL COMPACT
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	SL COMPACT
PDF	Declarations of conformity	SL compact
PDF	Declarations of conformity UKCA	SL compact

	Photometric and lighting design files	Document name
IES	IES file (IES)	IES LDT Files SL COMPACT

© 2026, LEDVANCE GmbH. All rights reserved.

	Tender texts	Document name
	Tender documents	STREETLIGHT COMPACT LARGE 155W 730 RW20ST 1DIM CLASS 2 WHITE ALU-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854844447	Shipping box 1	607 mm x 305 mm x 234 mm	6793.00 g	43.32 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.

© 2026, LEDVANCE GmbH. All rights reserved.