# PRODUCT DATASHEET
# STREETLIGHT COMPACT SMALL 050W 740 RV40ST 1DIM CLASS 2 WHITE ALU

STREETLIGHT COMPACT SMALL | For applications with luminous flux demand up to 7500 lm




## 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




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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 50.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | < 260 mA |
| Inrush current | 44 A |
| Inrush current time $T_{h50}$ | 220 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 7 |
| Max. number of luminaires per miniature circuit breaker C10 | 6 |
| Max. number of luminaires per miniature circuit breaker C16 | 10 |
| Power factor λ | > 0.95 |
| Maximum total harmonic distortion | < 20 % |
| Protection class | II |
| Surge capability (L-N) | 10 kV |
| Operating mode | Integrated LED driver |

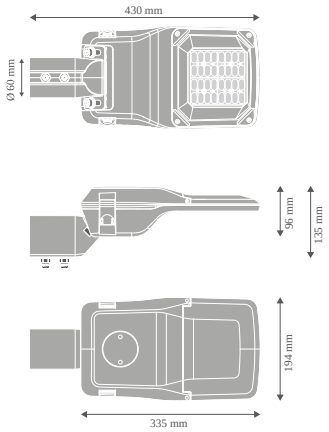
## Photometrical data

| | |
|---|---|
| Luminous flux | 7500 lm |
| Luminous efficacy | 150 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool 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 | 74° x 146 ° |

## Dimensions & Weight

| | |
|---|---|
| Length | 430.00 mm |
| Width | 135.00 mm |
| Height | 194.00 mm |
| Product weight | 2830.00 g |


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## 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 |


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| | |
|---|---|
| Replaceable light source | Yes |

## 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 | 1017 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 |


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

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | STREETLIGHT COMPACT SMALL 050W 740 RV40ST 1DIM CLASS 2 WHITE ALU-en |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854833663 | Shipping box<br>1 | 499 mm x 224 mm x 234 mm | 3950.00 g | 26.16 $dm^3$ |

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

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