

## PRODUCT DATASHEET

### ST8A-DC 18 W/4000 K 1200 mm

SubstiTUBE Advanced DC T8 | LED tubes for operation with alternating current with external driver



#### Areas of application

- Offices, public buildings
- Corridors, stairways, parking garages
- Shops
- General illumination within ambient temperatures from -20...+45 °C

#### Product benefits

- Energy savings of up to 50 % compared to conventional T8 fluorescent lamps
- Instant 100 % light, no warm-up time
- Low flicker light thanks to LED driver LVED PRO 20/220-240/550 CS

#### Product features

- Replacement for fluorescent lamps with G13 base
- Suitable only for operation with LED driver
- Dimmable with LED driver LVED PRO 20/220-240/550 CS
- High color consistency
- Mercury-free and RoHS compliant
- Luminous efficacy: up to 116 lm/W



TECHNICAL DATA

Electrical data

|                        |          |
|------------------------|----------|
| Nominal wattage        | 18 W     |
| Construction wattage   | 18.00 W  |
| Nominal voltage        | 38 V     |
| Nominal current        | 500 mA   |
| Type of current        | AC       |
| Operating frequency    | 50/60 Hz |
| Mains frequency        | 50/60 Hz |
| Power factor $\lambda$ | > 0.90   |

Photometrical data

|                           |            |
|---------------------------|------------|
| Luminous flux             | 2100 lm    |
| Luminous efficacy         | 116 lm/W   |
| Light color (designation) | Cool White |
| Color temperature         | 4000 K     |
| Color rendering index Ra  | ≥80        |
| Light color               | 840        |

Light technical data

|            |       |
|------------|-------|
| Beam angle | 150 ° |
|------------|-------|

Dimensions & Weight

|                |            |
|----------------|------------|
| Overall length | 1213.60 mm |
| Diameter       | 25.80 mm   |
| Product weight | 126.00 g   |

Temperatures & operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -20...+45 °C |
|---------------------------|--------------|

Lifespan

|                            |        |
|----------------------------|--------|
| Number of switching cycles | 100000 |
|----------------------------|--------|

Additional product data

|                             |        |
|-----------------------------|--------|
| Base (standard designation) | G13    |
| Mercury content             | 0.0 mg |

## Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | ST8A-1.2M 18W/8 |
|-----------------|-----------------|


## Energy labelling regulation data acc EU 2019/2015

|   |            |
|---|------------|
| Light source cap-type (or other electric interface) | G13        |
| Length  | 1213.60 mm |
| Height  | 25.80 mm   |
| Width   | 25.80 mm   |

## Safety advice

– Always check the latest update of the compatibility list available on [www.ledvance.com/ecg-compatibility](http://www.ledvance.com/ecg-compatibility).

## DOWNLOAD DATA

| Photometric and lighting design files  |                | Document name                         |
|--|----------------|---------------------------------------|
|  | IES file (IES) | IES files_AC13802 ST8A-1.2M 18W840 DC |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075208179 | Sleeve<br>1                  | 1,212 mm x 30 mm x 30 mm             | 149.00 g     | 1.09 dm <sup>3</sup>  |
| 4058075208186 | Shipping box<br>25           | 1,275 mm x 185 mm x 185 mm           | 4617.00 g    | 43.64 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.

## Legal advice

– When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system.

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

