

PRODUCT DATASHEET

ST5HO80-UN 37 W/4000K 1449 mm

SubstiTUBE T5 HO UN | LED tubes for electronic high frequency control gears and AC mains



AREAS OF APPLICATION

- Supermarkets and department stores
- Industry
- Public buildings, reception areas, offices, corridors, etc.
- General illumination within ambient temperatures from -20...+50 °C

PRODUCT BENEFITS

- No bending thanks to glass technology
- Also suitable for operation at low temperatures
- High luminous flux for sophisticated lighting tasks

PRODUCT FEATURES

- Tube made of glass
- Type of protection: IP20
- Lifetime: up to 60,000 h
- Compatible with many common electronic control gears (see also compatibility list) and line voltage
- High color consistency: ≤ 5 SDCM



TECHNICAL DATA

Electrical data

| | |
|---|--------------------------|
| Rated wattage | 37.00 W |
| Nominal voltage | 220...240 V |
| Operating frequency | 50...60 Hz ¹⁾ |
| Nominal wattage | 37.00 W |
| Nominal current | 0.17 A ²⁾ |
| Type of current | AC |
| Max. lamp no. on circuit break. 10 A (B) | 29 |
| Max. lamp no. on circuit break. 16 A (B) | 46 |
| Total harmonic distortion | < 20 % |
| Power factor λ | > 0.90 |

¹⁾ 40-80KHz for ECG (HF)

²⁾ 400-730 mA for ECG (HF)

Photometrical data

| | |
|--|---------------------|
| Rated color temperature | 4000 K |
| Nominal luminous flux | 5600 lm |
| Rated luminous flux | 5600 lm |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Cool White |
| Color temperature | 4000 K |
| Luminous flux | 5600 lm |
| Color rendering index Ra | 85 |
| Standard deviation of color matching | ≤5 sdc _m |

Light technical data

| | |
|---|----------|
| Starting time | < 0.5 s |
| Warm-up time (60 %) | < 0.50 s |
| Rated beam angle (half peak value) | 160.00 ° |

Dimensions & weight



| | |
|--|------------|
| Length with base excl. base pins/connection | 1449.00 mm |
| Tube diameter | 16 mm |
| Base diameter | 17.0 mm |
| Product weight | 190.00 g |
| Overall length | 1449 mm |

Temperatures & operating conditions

| | |
|---|--------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 90 °C |

Lifespan

| | |
|-----------------------------------|---------|
| Lifespan | 60000 h |
| Nominal lamp life time | 60000 h |
| Rated lamp life time | 60000 h |
| Number of switching cycles | 200000 |

Additional product data

| | |
|------------------------------------|-----|
| Base (standard designation) | G5 |
| Mercury-free | Yes |

Capabilities

| | |
|-----------------|----|
| Dimmable | No |
|-----------------|----|

Certificates & standards

| | |
|--------------------------------|--------------|
| Type of protection | IP20 |
| Standards | CE |
| Energy efficiency class | A++ |
| Energy consumption | 37 kWh/1000h |

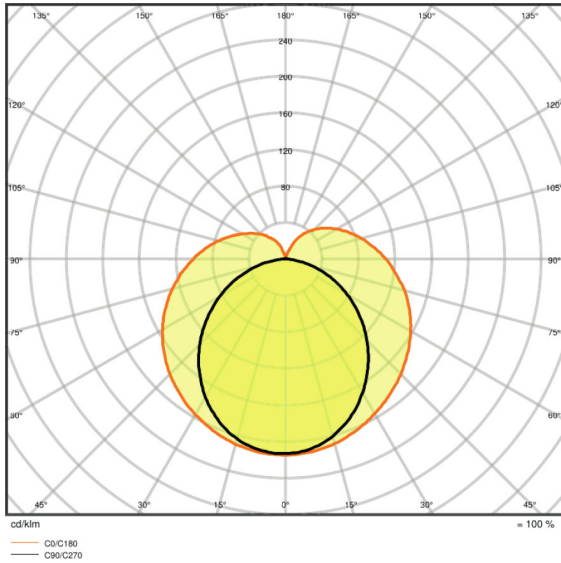
Country-specific categorizations

| | |
|------------------------|-----------------|
| Order reference | ST5H080-1.5M 37 |
|------------------------|-----------------|

Logistical data

| | |
|-------------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|-------------------------------------|--------------|

Light Distribution



LDC typ polar

SAFETY ADVICE

Not suitable for operation with conventional control gear
 Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075137868 | Sleeves 1 | 1465 mm x 20 mm x 25 mm | 223.00 g | 0.73 dm ³ |
| 4058075137875 | Shipping carton box 10 | 1495 mm x 157 mm x 89 mm | 2822.00 g | 20.89 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 current information see

- ▶ www.ledvance.com/substitute

LEGAL ADVICE

When used to replace a T5 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.