

PRODUCT DATASHEET

ST5H054-HF 27 W/830 1149 mm HF

SubstiTUBE T5 High Output | LED tubes for electronic high frequency control gears



AREAS OF APPLICATION

- Illumination of production areas
- Supermarkets and department stores
- Public buildings, reception areas, offices, corridors, etc.

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Also suitable for operation at low temperatures
- No bending thanks to glass technology

PRODUCT FEATURES

- Compatible with many common electronic control gears (see also compatibility list)
- Lifetime: up to 60,000 h
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Very high color consistency: ≤ 4 SDCM



TECHNICAL DATA

Electrical data

| | |
|------------------------|-------------|
| Nominal wattage | 27.00 W |
| Rated wattage | 27.00 W |
| Nominal voltage | 220...240 V |
| Operating frequency | 50...60 Hz |
| Nominal current | 0.52 A |
| Type of current | AC |
| Power factor λ | > 0.90 |

Photometrical data

| | |
|---|---------------|
| Light color (designation) | Warm White |
| Rated color temperature | 3000 K |
| Nominal luminous flux | 3800 lm |
| Rated luminous flux | 3800 lm |
| Color rendering index Ra | ≥ 80 |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Standard deviation of color matching | ≤ 4 sdcn |

Light technical data

| | |
|------------------------------------|----------|
| Starting time | < 1.0 s |
| Warm-up time (60 %) | < 2.00 s |
| Rated beam angle (half peak value) | 160.00 ° |

Dimensions & weight



| | |
|---|------------|
| Length with base excl. base pins/connection | 1135.00 mm |
| Base diameter | 15.0 mm |
| Product weight | 160.00 g |
| Overall length | 1149 mm |

Temperatures & operating conditions

| | |
|----------------------------------|--------------|
| Ambient temperature range | -20...+50 °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 | 30 kWh/1000h |

Country-specific categorizations

| | |
|------------------------|----------------------|
| ILCOS | DR-27/830-G5-15/1500 |
| Order reference | ST5HO54-1.2M 27 |

Logistical data

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

EQUIPMENT / ACCESSORIES

- Suitable for operation on electronic control gear

SAFETY ADVICE

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

LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-----------------------------------|---------------------------------|---|-----------------------|--------------|
| 4058075819870 | ST5HO54-HF 27 W/830 1149 mm HF | Shipping carton box 10 | 1218 mm x 153 mm x 80 mm | 14.91 dm ³ | 2201.00 g |

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.