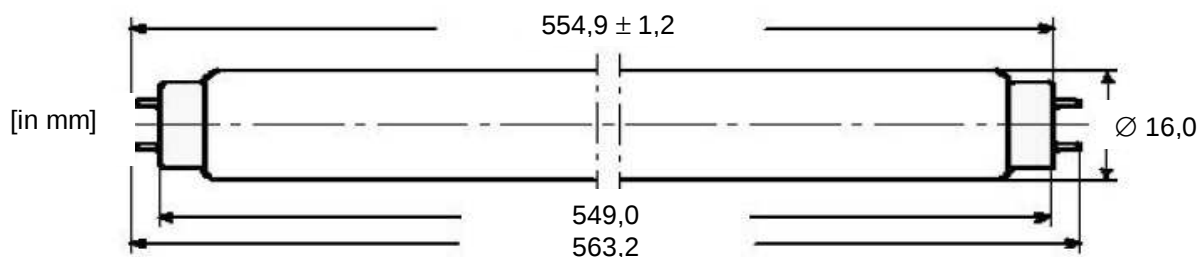


## PHYSICAL DIMENSIONS



## PRODUCT FEATURES

- fluorescent lamp with 16 mm diameter
- available light colours: *Cool Daylight* (865), *Cool White* (840), *White* (835), *Warm White* (830), *INTERNA* (827)
- 20 percent more efficient than T8-lamps (High Efficiency)
- max. luminous efficiency at 35° up to 96 lm/W (LC 840/830/827) resp. 89 lm/W (LC 865)
- very good colour rendering ( $R_a$  80 ... 89)

## Technical Data

|                                           |                       |   |                |
|-------------------------------------------|-----------------------|---|----------------|
| Frequency                                 | (Hz)                  | : | > 20 KHz (ECG) |
| Lamp wattage                              | (W)                   | : | 14             |
| Nominal current (ECG-operation)           | (A)                   | : | 0,165          |
| Lamp arc voltage UL after switch-on       | (V)                   | : | 86             |
| System power (with IEC reference ballast) | (W)                   | : | 16,0           |
| Pre-heat current IEC 81                   | (mA)                  | : | 210            |
| Luminance LF 840                          | (cd/cm <sup>2</sup> ) | : | 1,7            |

## Life Time\*

|                                                              |     |   |             |
|--------------------------------------------------------------|-----|---|-------------|
| Average life time (50% failure rate)                         | (h) | : | 24000 (ECG) |
| Economical life time (80% lum. flux from initial 100h value) | (h) | : | 18000 (ECG) |

## PHOTOMETRICAL DATA

| Labeling in brand OSRAM | Rated luminous flux** (lm) | Colour rendering index ( $R_a$ ) | Colour temperature (K) |
|-------------------------|----------------------------|----------------------------------|------------------------|
| FH 14W/865 HE           | 1100                       | 80...89                          | 6500                   |
| FH 14W/840 HE           | 1200                       | 80...89                          | 4000                   |
| FH 14W/835 HE           | 1200                       | 80...89                          | 3500                   |
| FH 14W/830 HE           | 1200                       | 80...89                          | 3000                   |
| FH 14W/827 HE           | 1200                       | 80...89                          | 2700                   |

\*\* at >20 KHz operation and aged 100h ; 25° ambient temperature

**Note:** \*Measurement in accordance with EN 60081, annex C.  
The lamps meet EN 60081 and EN 61195 requirements.  
ECG's have to meet EN 61347-2-3 and EN 60921 requirements.

