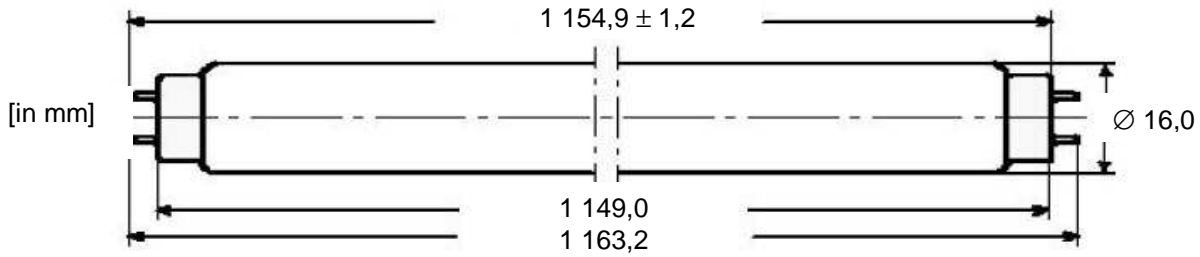


## PHYSICAL DIMENSIONS



Cap: G5/11x15

## 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°C ambient temperature up to 104 lm/W (LC 840/835/830/827), resp. 96 (LC 865)
- very good colour rendering ( $R_a$  80 ... 89)

## Technical Data

Frequency	(Hz)	:	> 20 KHz (ECG)
Nominal wattage	(W)	:	28
Lamp current (ECG-operation)	(A)	:	0,170
Lamp arc voltage UL after switch-on	(V)	:	166
System power (with IEC reference ballast)	(W)	:	30,5
Pre-heat current IEC 81	(mA)	:	210
Luminance LC 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 28W/865 HE	2400	80...89	6500
FH 28W/840 HE	2600	80...89	4000
FH 28W/835 HE	2600	80...89	3500
FH 28W/830 HE	2600	80...89	3000
FH 28W/827 HE	2600	80...89	2700

\*\* at >20 KHz operation and aged 100h; 25°C 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.

