



## Product Data Sheet

Třípásmová lineární zářivka T5

**LT 28W T5-EQ/840 NBB**

Order number

**105028840**

Unit EAN13 code

**8595209950550**


### General information

Model/Description	<b>Zářivková trubice/Fluorescent tube</b>
Finish	<b>Lineární/Linear</b>
Brand/Manufacturer	<b>NBB</b>
Lamp type	<b>T5</b>
Colour	<b>Ostatní</b>
Socket	<b>G5</b>
Dimmable	<b>Ano</b>
Energy efficiency class (canceled regulation!)	<b>A</b>
Ignition strip	<b>Ne</b>
Fast ignition	<b>Ne</b>
Starter less operation	<b>Ne</b>
Nominal voltage (V)	<b>59 V</b>
Suitable for explosion proof luminaires	<b>Ne</b>
Dimmable by conventional dimmers	<b>Ne/No</b>
Název položky	<b>LT 28W T5-EQ/840 NBB</b>
Třída energetické účinnosti podle 2019/2015	<b>G</b>

### Electrical characteristics

Nominal wattage	<b>28 W</b>
Rated power (W)	<b>28,0 W</b>
Operating voltage (V)	<b>59 V</b>
Type of Voltage	<b>AC</b>
Direct connection to the mains	<b>Ne/No</b>
Lamp power	<b>28 W</b>
Nominal current (A)	<b>0,269 A</b>

Total power (W) (light fitting)	28 W
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#### Working conditions

Ambiente temperature for max. luminous flux	25 °C
Application	Pro všeobecné osvětlování/General lighting
Application	Všeobecné osvětlení
Suitable for electronic ballast	Ano
Suitable for emergency lighting	Ano
For application at low temperatures	Ne

#### Physical characteristics

Dimensions (mm)	Ø16 x 1149 mm
Packing method	25 - 1
Weight gross	110 g
Weight netto	95 g
Splitter protection	Ne
Tube diameter	16 mm
Lamp shape	Lineární
Length	1149 mm
Internal reflector	Ne
Double-walled	Ne

#### EuP Parameters

Average Lifetime B50 (h)	20000 h
Luminescence Life maintenance factor	89,0 %
Number of maximal switching cycles	100000
The rate of premature failures	<1 %
Rated service life	20000 h
Energy consumption (AGGR)	28 kWh/1000h

#### Lighting characteristics

Type of spectrum	Třípásmové
Color rendering	1B
Light Colour	Chladná bílá
Dominant wavelength	611,3 nm
Luminous flux	2541 lm
Colour temperature	4000 K
Colour rendering index CRI	82 Ra
Full spectrum lamps	Ne
Colour of light	840
Colour of light acc. EN 12464-1	Neutral 3300-5300 K
Beam angle Degrees (°)	360 °
Chromaticity coordinates x	0,381
Chromaticity coordinates y	0,376

#### Safety information

Safety instructions	<a href="http://www.nbb.cz">www.nbb.cz</a>
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### Environmental characteristics

Mercury content	3,50 mg
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### Energetic characteristics

Rated efficiency after 100h	99,99 %
Lamp efficacy	90,75 lm/W

### Lamp survival factor (LSF)

LSF after 2.000 hrs	99,8 %
LSF after 4.000 hrs	99,5 %
LSF after 6.000 hrs	99,3 %
LSF after 8.000 hrs	99,1 %
LSF after 12.000 hrs	98,6 %
LSF after 16.000 hrs	83,5 %
LSF after 20.000 hrs	50,0 %

### Lamp lumen maintenance factor (LLMF)

LLMF after 2.000 hrs	97,5 %
LLMF after 4.000 hrs	95,0 %
LLMF after 6.000 hrs	94,0 %
LLMF after 8.000 hrs	93,0 %
LLMF after 12.000 hrs	91,5 %
LLMF after 16.000 hrs	90,0 %
LLMF after 20.000 hrs	89,0 %

### Exclusion of liability

Changes to data are subject to prior notice. NBB Bohemia s.r.o. accepts no responsibility for damages caused by inaccurate interpretation of the content on this site.

### Warning

If broken in a closed room, we recommend ventilation to reduce the mercury vapor concentration. Use protective equipment while working. Immediately remove the shards so that they do not get injured. After removing the shards, use the technical means for decontamination of mercury. For this purpose we supply decontamination kits, which you can order by phone or in our internet shop. The decontamination kit should not be missed especially in plants where there is a danger of breaking light sources containing mercury, such as stores, warehouses, but can also be used in households. In case of nausea, give first aid and call a physician.

### Notice

Fluorescent tubes of all types require a corresponding type of ballast to operate. A suitable ballast type can be found in the detail of the item (additional products). The quality and type of the ballast greatly affect the life of the fluorescent lamp. NBB Bohemia is not responsible for shortening lamp life when the fluorescent lamp is connected to a ballast type that NBB Bohemia s.r.o. because in such a case we can not guarantee the suitability of using the ballast to the supplied fluorescent tube. When directly connected to the mains voltage without using the ballast, the fluorescent lamp will be destroyed. Fluorescent tubes are not suitable for connection to motion sensors or for connection to frequent switching devices. Frequent switching causes shortening of lamp life. Frequent switching is considered to switch the fluorescent lamp to an interval of less than 20 minutes.

### Popis

