



**NBB Bohemia s.r.o.**

Výroba a prodej osvětlovací techniky, Sídliště 693, 407 22 Benešov nad Ploučnicí

## Product Data Sheet

Průmyslové zářivkové svítidlo

**TOPLINE T8 ECONOMY**  
**236 ABS/PS EM1h 3F**  
**IP65**



Order number

**910200056**

Unit EAN13 code

**8595209936257**

### General information

Model/Description	<b>Průmyslové zářivkové svítidlo</b>
Finish	<b>S integrovaným nouzovým modulem 1h. a 3F průběžnou montáží</b>
Brand/Manufacturer	<b>NBB</b>
Material	<b>ABS/PS</b>
Lamp type	<b>T8</b>
Nominal service life (h)	<b>50000 h</b>
Degree of protection (IP)	<b>IP65</b>
Dimmable	<b>Ne</b>
Autonomy	<b>1 h</b>
With light sensor	<b>Ne</b>
Suitable for suspended mounting	<b>Ano</b>
Lamp type	<b>Zářivka T8 (26mm)</b>
Nominal voltage (V)	<b>230 - 240 V</b>
Degree of protection (IP)	<b>IP65</b>
Suitable for number of lamps	<b>2</b>
Suitable for wall mounting	<b>Ano</b>
Suitable for built-in mounting	<b>Ne</b>
Suitable for surface mounting	<b>Ano</b>
Emergency light	<b>Ano</b>
Suitable for ceiling mounting	<b>Ano</b>
Dimmable by conventional dimmers	<b>Ne</b>
Název položky	<b>TOPLINE T8 ECONOMY 236 ABS/PS EM1h 3F IP65</b>
Typ nouzového provozu	<b>Trvalý</b>

### Electrical characteristics

Nominal wattage	2 x 36 W
Operating voltage (V)	220 - 240 V
Type of Voltage	AC
Lowest permitted operating voltage (V)	190 V
Lamp power	36 W
Circuit	Paralelně-kompenzační
Voltage type	AC
Lamp power at multiwatt	Ostatní
Nominal current (A)	0,32 A
System power	77 W
Total power (W) (light fitting)	77,0 W

#### Working conditions

Type of start	Instant
Battery Life	1000 cyklů
Charging time	24 h
Output frequency of ballast (driver)	40 kHz
Operating frequency	50 - 60 Hz
Battery type	6V NiCD
Battery capacity	2500 mAh
Working temperature of the ballast body -Tc max	75 °C
Hot restart	Ano
Protection against overvoltage	Ano
Burning position	Libovolná
Total Harmonic Distortion	<10 %
Installation height (m)	2 - 5 m
Installation on flammable surfaces	Ano
Application	Všeobecné osvětlování
Suitable for through-wiring	Ano
Lamp holder type	G13
With movement sensor	Ne
Type of control gear	Elektronický nestmívatelný
Ambient temperature	-10/+30 °C
Suitable for light line configuration	Ne
Suitable for emergency lighting	Ano
Filament test according to IEC 695-2-1	850 °C - 5 s
Reflector rotatable	Ne
Fire resistance "D"	Ano
Fit for monitor workplace	Ano
Emergency unit integrated	Ano
Maximální povolený počet svítidel na jeden obvod	20

#### Physical characteristics

Numbers of ballasts	1
Dimensions (mm)	1270 x 129 x 90 mm
Packing method	1 - 6
Weight gross	3250 g
Spacing of fixing holes	900 mm

Width	129 mm
Reflector	Bílý
Colour housing	Šedá
Weight netto	3010 g
Length	1270 mm
Height/depth (mm)	90 mm
Material housing	Plast
Colour cover	Bez barvy
Material cover	Strukturovaný plast
Impact strength	IK08
With air slots	Ne

#### EuP Parameters

Average Lifetime B50 (h)	50000 h
Luminaire maintenance factor	1:0
Bulb type (size) for which is the luminaire designed.	T8
Number of maximal switching cycles	> 50000
The rate of premature failures	<1 %
Rated service life	50000 h
Energy consumption (AGGR)	77 kWh/1000h
Turn-on time	<0,3 s

#### Additional information

With lamp	Ne
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#### Lighting characteristics

Anti-glare limiting UGR lengthwise	19
Anti-glare limiting UGR crosswise	19
Light outlet	Přímé
Light sharing	Široký úhel
Beam angle Degrees (°)	120 °

#### Safety information

Insulation class	Třída I
Safety instructions	<a href="http://www.nbb.cz">www.nbb.cz</a>
Protection class	Ochranným vodičem

#### Energetic characteristics

Energy Efficiency Index	A2
Lamp Power factor (PF)	0,98

#### 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.

#### Notice

This product ranks among electrotechnical products powered by mains voltage 230-240V. For safety reasons, it is recommended that the assembly, connection or disassembly be carried out by a person with an appropriate electrotechnical qualification. Please note that the product may only be put into service with original covers, otherwise there may be a risk of electric shock, especially from the terminal block. Only use the product in places that are suitable for this purpose; do not use

products intended for indoor use only in the outdoor environment. When installing or dismantling an emergency luminaire, we recommend disconnecting the power supply otherwise there may be a risk of electric shock. Observe the prescribed position when operating the product and how it is attached. Only connect the product to the rated voltage, or load it only to the maximum permitted power. Install only light sources for this type of luminaire. The manufacturer can not be held responsible for damages resulting from inappropriate connection, connection to an unsuitable distribution system, or damage resulting from the use of an unsuitable light source. Observe the operating values on the label. Do not expose the product to inappropriate weathering or high temperatures unless it is expressly stated that the product is intended to be operated under these conditions. When installing, wiring or disassembling, follow the generally accepted safety precautions.

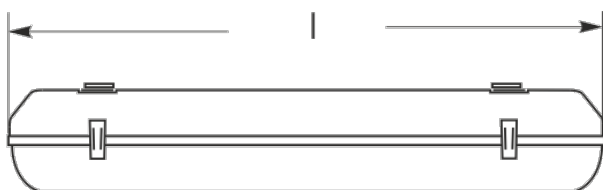
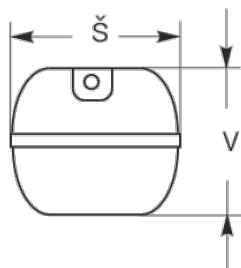
**NOTICE:**

The emergency luminaire is energized even after disconnecting the power supply due to its own charged batteries. Therefore, it is recommended that the installation and disassembly be carried out only by a person with the appropriate electrotechnical qualifications.

Do not throw the emergency luminaire into the mixed waste after use. Take it to the nearest store, collection yard, or other designated location for free recycling. You can also deliver the used luminaires for recycling at our sales outlets. Emergency lights and modules contain a rechargeable battery. You can find the list of collection points on the Retel and Ekolamp Collective Systems pages.

**Popis**

**Technical drawing**



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