

## **EVG 20/8D**

Type Electronic transformer for high-voltage

luminous discharge tubes according to

EN 50107.

Suitable for indoor systems.

Limited suitability for flash operation.

Weight 1.200 kg

Radio

<u>interference</u> According to

VDE 0875, Part 2A1 (EN 55015) suppression

**Temperatures** Ambient temperature range: max. +55°C

Temperature limit: +70°C

(max. ambient temp. that the EVG is able to withstand for a short period of time without being destroyed)

**Housing** Polystyrene shell

Standard colour: white

Sealing compound: polyurethane (black)

Class of protection

Degree of protection IP 67

**Primary Data** 

Mains voltage 230 V, +/- 10 %, 50 / 60 Hz

Depends on the connected tube load; Current consumption

max. 0.8 A

cos phi 0.95

**Protective Equipment** 

Integrated 2 A melting fuse offering Safety fuse

protection against internal short circuits

Earth leakage trip (acc. to EN 50107) integrated in the

transformer

Open circuit protection (acc. to EN 50107) integrated in the

transformer

## Caution:

The installation instructions must be observed when using the transformer!

## **Secondary Data**

8,000 V with 20 mA constant current, symmetrical alternating current, loaddependent operating frequency, 21 kHz, centrally earthed secondary winding.

Internal high-voltage shutdown under fault conditions (e.g. in case of tube breakage).

Secondary current dimmable by potentiometer, dimming range approx. 100 % - 25 %.

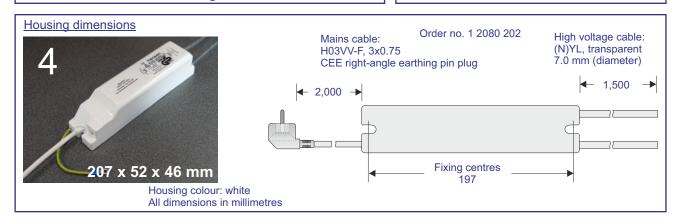
Suitable for blue and red discharge tubes (no 'jelly beaning').

## Connectable tube lengths (in metres):

Blue discharge (indoor)									
Diameter	8	10	12	15	18	20			
2 Syst.	9.3	12.0	15.0	18.2	21.4	23.0			
3 Syst.	9.0	11.6	14.5	17.6	20.7	22.3			
4 Syst.	8.7	11.2	14.0	17.0	20.0	21.5			
5 Syst.	8.4	10.8	13.5	16.4	19.2	20.7			
6 Syst.	8.1	10.4	13.0	15.8	18.5	20.0			
7 Syst.	7.8	10.0	12.5	15.2	17.8	19.2			
8 Syst.	7.5	9.6	12.0	14.6	17.1	18.4			
9 Syst.	7.1	9.2	11.5	14.0	16.4	17.6			

Red discharge									
Diameter	8	10	12	15	18	20			
2 Syst.	5.2	6.4	7.9	9.8	11.8	12.7			
3 Syst.	5.0	6.2	7.6	9.4	11.3	12.2			
4 Syst.	4.8	5.9	7.3	9.0	10.8	11.7			
5 Syst.	4.6	5.7	6.9	8.6	10.4	11.2			
6 Syst.	4.4	5.4	6.6	8.2	9.9	10.6			
7 Syst.	4.2	5.1	6.3	7.8	9.4	10.1			
8 Syst.	4.0	4.9	6.0	7.4	8.9	9.5			
9 Syst.	3.7	4.6	5.6	7.0	8.4	9.1			

The values given represent the maximum connectable tube lengths which must not be exceeded. Shorter tube lengths, however, may be connected without any restrictions. The tube lengths are calculated on the basis of the 'Filling Pressure Recommendations for Fluorescent Tubes' published by the German Fachverband Lichtwerbung.



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