

N-EVG ... V-CG-S

Electronic ballasts



N-EVG ... V-CG-S

- Reduced battery capacity /-costs by adjustable luminous flux of 30 – 100% in DC-operation
- Minimized dimensions of conventional T5 ECG cross section (H x W: 21 x 30 mm)
- Avoidance of installation failures due to a mains connection being protected against polarity reversal
- Shortened inspection effort due to CEWA GUARD and S+-Technology
Automatic function monitoring of up to 20 luminaires per circuit
- Reduced installation costs due to STAR-Technology
Freely programmable mixed operation of switching modes per luminaire in one circuit
- Reduced installation expenditures as no additional data line to the luminaire is needed
- With automatic lamp wattage detection and optimal operation of the lamp acc. to IEC-standard
- Safety by automatic switchoff at lamp failures or at end of lamp life
- Automatic re-engagement after lamp exchanging

N-EVG 24/39 W V-CG-S



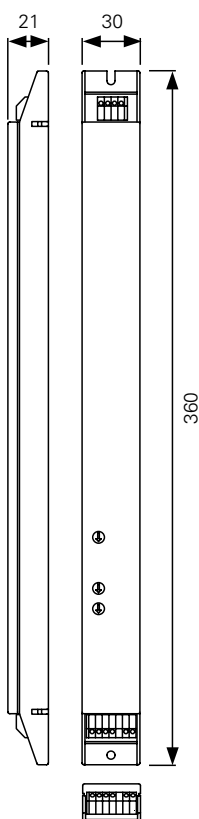
Rated voltage ranges	220 – 240V, 50/60 Hz / 176 – 275 V DC
Energy-Efficiency-Index	EEI = A2
Lamp start	< 1 s with optimum pre-heating
Standby power loss	≤ 1 W (230V / 50 Hz)
Lamp load	See table on next page
Maximum line length	1 m (ECG – lamp)
Type of mounting	To be mounted in luminaires with protection category I or II Attention: Functional earth necessary!
Degree of protection	IP20
Permissible temperature range	t _a = -20 °C to +60 °C
Maximal permissible test point temperature	t _c = 75 °C
Connection terminals	Plug in terminals 1.5 mm ² / reverse-polarity protected
Dimensions in mm (H x L x W)	21 x 360 x 30
Housing material / colour	Flame retardant polycarbonate / grey
Weight	35/39/36 W = 0.166 kg 49 W = 0.174 kg 54/58/80 W = 0.185 kg
Luminous flux Φ_E/Φ_N at the end of rated operating time	In DC-operation acc. setting 30- 100 % (10 %-steps)

Depending on the luminous flux (30% ... 100%) the correspondend battery current has to be projected.

Dim operation permitted by 30% up to 10°C, 60% up to 0°C only.
For outdoor use set 100 % only!

Ordering details

Type	Order No.
T5 / G5 lamp cap	
N-EVG 14/21/28/35W V-CG-S	40071352422
N-EVG 24/39W V-CG-S	40071352423
N-EVG 49W V-CG-S	40071352424
N-EVG 54W V-CG-S	40071352425
N-EVG 80W V-CG-S	40071352426
T8 / G13 lamp cap	
N-EVG 36W V-CG-S	40071352427
N-EVG 58W V-CG-S	40071352428



N-EVG 54 W V-CG-S



Rated value N-EVG ... V-CG-S for mains and battery operation

Term						
Lamp cap	G5	G5	G5	G5	G5	G5
Type N-EVG ... V-CG-S	14 / 21 / 28 / 35 W	14 / 21 / 28 / 35 W	14 / 21 / 28 / 35 W	14 / 21 / 28 / 35 W	24/39 W	24/39 W
Lamp load [W]	14	21	28	35	24	39
Current consumption [A] at 220 V battery operation, setting (Luminous flux Φ_E/Φ_N in %)						
100 %	0.08	0.11	0.15	0.18	0.13	0.19
90 %	0.07	0.10	0.13	0.16	0.12	0.17
80 %	0.064	0.09	0.12	0.14	0.10	0.15
70 %	0.057	0.08	0.11	0.13	0.09	0.13
60 %	0.051	0.07	0.10	0.11	0.08	0.12
50 %	0.045	0.062	0.09	0.10	0.07	0.11
40 %	0.040	0.055	0.08	0.09	0.066	0.10
30 %	0.036	0.050	0.07	0.08	0.059	0.09
Power consumption [A] at 230 V mains operation	0.08	0.11	0.14	0.17	0.12	0.18
Power factor λ	0.96	0.96	0.98	0.98	0.98	0.98
Inrush current [A]	10					
System power lamp + ECG acc. to EN 50294 [W]	16	23	30	37	25	41

N-EVG 58 W V-CG-S



Term					
Lamp cap	G5	G5	G5	G13	G13
Type N-EVG ... V-CG-S	49W	54W	80W	36W	58W
Lamp load [W]	49	54	80	36	58
Current consumption [A] at 220 V battery operation, setting (Luminous flux Φ_E/Φ_N in %)					
100 %	0.24	0.26	0.38	0.17	0.25
90 %	0.21	0.23	0.34	0.15	0.22
80 %	0.19	0.21	0.30	0.14	0.20
70 %	0.17	0.18	0.27	0.12	0.18
60 %	0.15	0.16	0.24	0.11	0.16
50 %	0.14	0.15	0.21	0.10	0.14
40 %	0.12	0.13	0.19	0.09	0.13
30 %	0.11	0.12	0.17	0.08	0.11
Power consumption [A] at 230 V mains operation	0.24	0.25	0.37	0.16	0.24
Power factor λ	0.98	0.98	0.98	0.98	0.98
Inrush current [A]	10	10	12	10	10
System power lamp + ECG acc. to EN 50294 [W]	52	57	84	34	53