

Electronic Ballasts for HI Lamps 35, 50 and 70 W

Shape: M3/K34

Casing: aluminium (M3),

heat-resistant polycarbonate (K34)

For ceramic discharge tube lamps (C-HI)

Power factor: ≥ 0.95

Ignition voltage: max. 5 kV

Operation frequency: 173 Hz

Push-in terminals with lever opener: 0.75–2.5 mm²

Total harmonic distortion: < 10%

Temperature protection

Constant power consumption

Protection against "no load" operation

For luminaires of protection class I (metal casing)

For luminaires of protection class I and II

(plastic casing)

Degree of protection: IP20

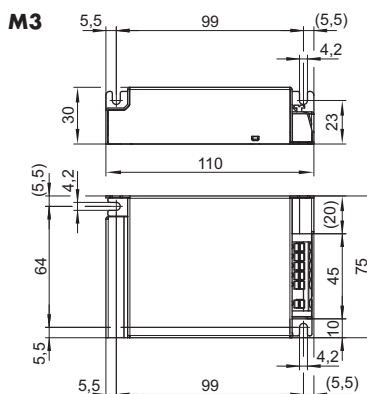
Permissible load capacity: 20–120 pF

RFI-suppressed

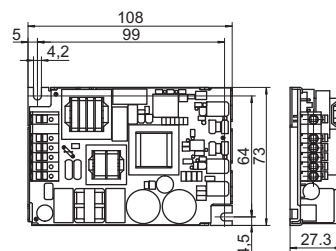
Fixing brackets for screws M4

for base mounting

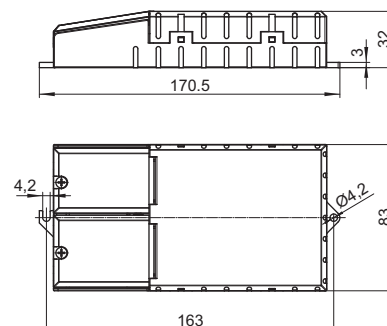
No flickering of defective lamps



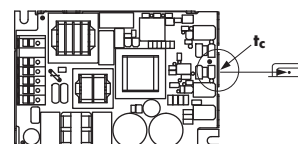
M3 built-in PCB



K34 with cord grip



t_c point definition



Lamp				Electronic ballast								System
Output W	Type	Base	Power con- sumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V $\pm 10\%$	Mains current A	Energy efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Weight g	Output W
Electronic built-in ballast (with cap)												
35	HI	GU6.5, G8.5, GU8.5, GX8.5, G12, E27	1 x 39	EHXc 35.325	183033	220–240	0.20–0.18	A2	–20 to 65	max. 80	220	43
50	HI	G8.5, G12	1 x 50	EHXc 50.358	183028	220–240	0.26–0.24	A2	–20 to 60	max. 80	220	55
70	HI	G8.5, GU8.5, GX8.5, G12, PG12-2, E27, RX7s	1 x 73	EHXc 70.326	183036	220–240	0.36–0.34	A2	–20 to 55	max. 80	220	80
Built-in PCB – Electronic built-in ballasts (without cap)												
35	HI	GU6.5, G8.5, GU8.5, GX8.5, G12, E27	1 x 39	EHXc 35.325	183034	220–240	0.20–0.18	A2	–20 to 65	max. 80	180	43
50	HI	G8.5, G12	1 x 50	EHXc 50.358	183030	220–240	0.26–0.24	A2	–20 to 60	max. 80	180	55
70	HI	G8.5, GU8.5, GX8.5, G12, PG12-2, E27, RX7s	1 x 73	EHXc 70.326	183037	220–240	0.36–0.34	A2	–20 to 55	max. 80	180	80
Independent electronic ballasts with cord grip												
35	HI	GU6.5, G8.5, GU8.5, GX8.5, G12, E27	1 x 39	EHXc 35.325	183035	220–240	0.20–0.18	A2	–20 to 65	max. 75	260	43
50	HI	G8.5, G12	1 x 50	EHXc 50.358	183029	220–240	0.26–0.24	A2	–20 to 60	max. 70	260	55
70	HI	G8.5, GU8.5, GX8.5, G12, PG12-2, E27, RX7s	1 x 73	EHXc 70.326	183038	220–240	0.36–0.34	A2	–20 to 55	max. 75	260	80

Circuit diagrams see page 96