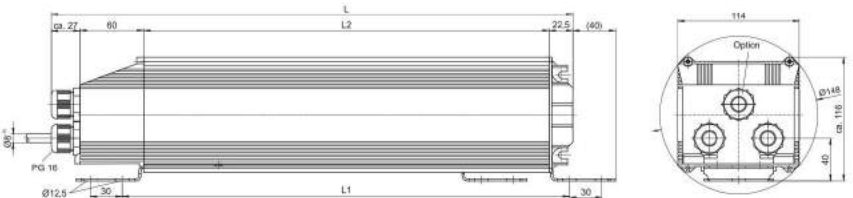


Ballast Units
for HS and HI Lamps
1000 and 2000 W

Shape: 114x116 mm

- For high-pressure sodium vapour lamps (HS) and metal halide lamps (HI)
- Slim, weather-proof ballast unit fully wired with ballast, capacitor and connection terminal
- Suitable for installation in or on pylons
- With connection for protective earth conductor
- Frontal cable feed using a PG thread fitting
- Front access to terminals or fuses
- Optional additional third PG connection for mains feed-through wiring
- Screw-fixed end cap
- Diverse mounting options using an assembly plate or rail
- Screw terminals: 0.75–10 mm²
- For luminaires of protection class I
- tw 130



Degree of protection: IP54

Lamp				Ballast unit								
Output W	Type	Current A	Mains current A	Type	Ref. No.	Voltage AC V, Hz	L mm	L1 mm	L2 mm	Weight kg	Power factor λ	Energy efficiency
1000	HS	10.3	5.0	VNaHJ 1000.61	531472	230–240, 50	487	410	370	11.6	> 0.90	A2
	HI	9.5	4.9									A2
2000	HI	10.3	6.0	VJD 2000.63	531474	380–400, 50	627	550	510	20.2	> 0.90	A2

Degree of protection: IP65

Fully encapsulated ballast unit with leads

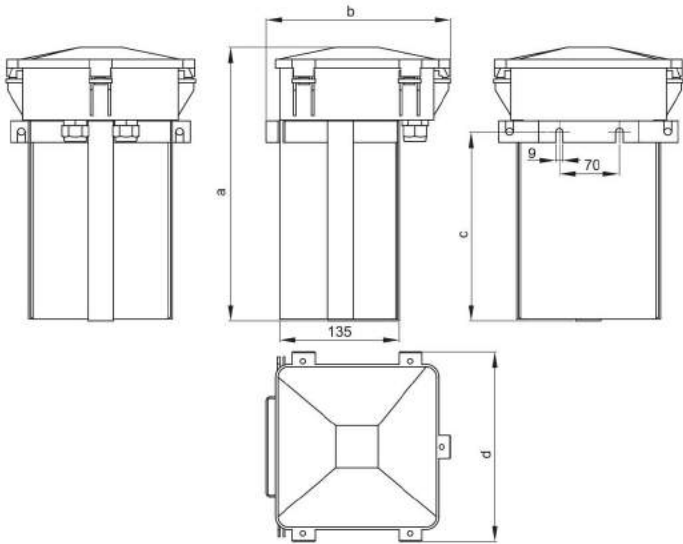
Lamp				Ballast unit								
Output W	Type	Current A	Mains current A	Type	Ref. No.	Voltage AC V, Hz	L mm	L1 mm	L2 mm	Weight kg	Power factor λ	Energy efficiency
1000	HS	10.3	5.0	VNaHJ 1000.61	531480	220, 50	487	410	370	11.6	> 0.90	A2
	HI	9.5	4.9									A2
2000	HI	10.3	6.0	VJD 2000.63	531481	380, 50	627	550	510	20.2	> 0.90	A2

Ballast Units
for HS and HI Lamps
1000 to 2000 W

Encapsulated in a plastic casing

For high-pressure sodium vapour lamps (HS) and metal halide lamps (HI)
Fully encapsulated ballast unit in a self-extinguishing, fibre-glass-reinforced polyamide casing consisting of a ballast, capacitor, fuse and a ready-to-use, pre-wired connection terminal.
Cable feed using a PG thread fitting
Screw terminals: 0.75–10 mm²

Protection class II
tw 130



Degree of protection: IP65
With double insulation

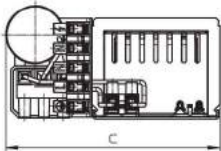
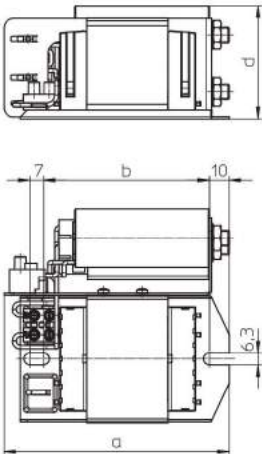
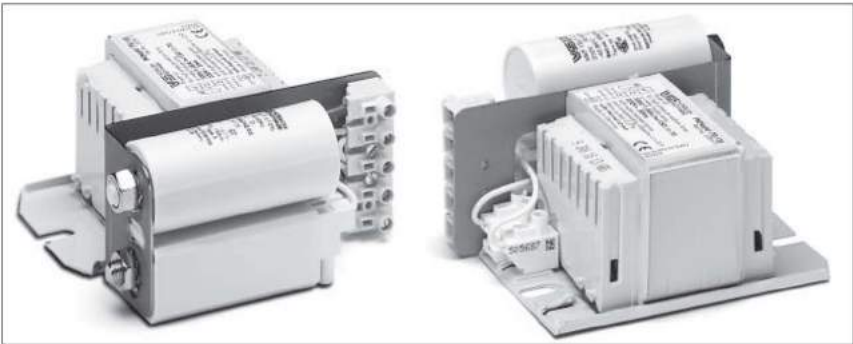
Lamp				Ballast unit									
Output W	Type	Current A	Mains current (A)	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	d mm	Weight kg	Power factor λ	Energy efficiency
230/240 V, 50 Hz and 380/400/415 V, 50 Hz													
1000	HS	10.3/11.3	5.75	VNaHJ 1000.75	554313	230/240, 50	288	217	—	220	15	> 0.90	A2
	HI	9.5	4.9										A2
2000	HI	8.8/9.2	5.7	VJ 2000.76	554314	380/400/415, 50	320	217	225	225	21	> 0.90	A2
		10.3/11.3	6.0	VJD 2000.77	554315	380/400/415, 50	320	220	225	225	23	> 0.90	A2
		12.2	6.0	VJD 2000I.78	554316	380/400/415, 50	320	220	225	225	25	> 0.90	A2
220 V, 60 Hz and 380 V, 60 Hz													
1000	HS	10.3/11.3	5.75	VNaHJ 1000.75	554904	220, 60	288	217	—	220	15	> 0.90	A2
	HI	9.5	4.9										A2
2000	HI	8.8/9.2	5.7	VJ 2000.76	554905	380, 60	320	220	225	225	21	> 0.90	A2
		10.3/11.3	6.0	VJD 2000.77	554906	380, 60	320	220	225	225	23	> 0.90	A2
		12.2	6.0	VJD 2000I.78	554909	380, 60	320	220	225	225	25	> 0.90	A2

Compact
Assembly Kits for
HS and HI Lamps
35 to 150 W

Ballast shape: 53x66 mm

For high pressure sodium lamps (HS),
metal halide lamps (HI)
and ceramic discharge lamps (C-HI)
Compact assembly kit with ballast with or
without patented, intelligent thermal cut-out
with automatic reset (which evaluates the
temperature and current of the ballast), super-
imposed ignitor and compensation capacitor
With luminaire terminal block:
 screw terminal 0.75–2.5 mm²
With earth terminal
Permissible load capacity: 20–100 pF
Lead length to the lamp: max. 1.5 m
tw 130

- On request:
- Further outputs and voltages
 - With digital timer ignitor
 - For pulse ignition system



As individual components no longer
need to be wired, there is a significant
reduction in assembly time and costs.

Especially suitable for change of lamp
technology from HM to HS.

Lamp			Assembly kit											Power factor λ	Energy efficiency
Output	Type	Current	Type	Ref. No.	Voltage AC	Mains current	Temperature protection	a	b	c	d	Weight			
W		A			V, Hz	A		mm	mm	mm	mm	kg			
230 V, 50 Hz															
35	HS, HI	0.53	PKNaHJ 35.008*	546797	230, 50	0.22	yes	117	86	108	54	1.2	> 0.90	EEL=A3	
50	HS, HI	0.76	PKNaH 50PZT.992*	543378	230, 50	0.30	yes	117	86	111	59	1.4	> 0.90	EEL=A3	
70	HS, HI	0.98	PKNaHJ 70.128*	538675	230, 50	0.37	yes	117	86	111	59	1.4	> 0.90	EEL=A3	
				538685			no							EEL=A3	
100	HS, HI	1.20	PKNaHJ 100.941*	538676	230, 50	0.56	yes	117	86	111	59	1.6	> 0.90	EEL=A3	
				538686			no							EEL=A3	
150	HS, HI	1.80	PKNaHJ 150.620*	538677	230, 50	0.74	yes	151	120	115	63	2.2	> 0.90	EEL=A3	
				538687			no							EEL=A3	
220 V, 60 Hz															
35	HS, HI	0.53	PKNaHJ 35.008	547285	220, 60	0.23	yes	117	86	108	54	1.2	> 0.90	EEL=A3	
				543401			no							EEL=A3	
70	HS, HI	0.98	PKNaHJ 70.653	547287	220, 60	0.37	yes	117	86	111	59	1.4	> 0.90	EEL=A3	
				538680			no							EEL=A3	
100	HS, HI	1.20	PKNaHJ 100.271	538681	220, 60	0.56	no	117	86	111	59	1.6	> 0.90	EEL=A3	
150	HS, HI	1.80	PKNaHJ 150.679	538682	220, 60	0.74	no	151	120	115	63	2.2	> 0.90	EEL=A3	
220/240 V, 60 Hz															
100	HS, HI	1.20	PKNaHJ 100.345	543295	220/240, 60	0.60	no	117	86	111	60	1.6	> 0.90	EEL=A3	
150	HS, HI	1.80	PKNaHJ 150.301	543299	220/240, 60	0.80	no	151	120	115	63	2.2	> 0.90	EEL=A3	

* Ballasts without CE marking for replacements or markets outside of the EU

Compact
Assembly Kits for
HS and HI Lamps
250 and 400 W

Ballast shape: 71x75 mm

For high pressure sodium lamps (HS),
metal halide lamps (HI)
and ceramic discharge lamps (C-HI)
Compact assembly kit with ballast with or
without thermal cut-out with automatic reset,
superimposed ignitor and compensation
capacitor

With luminaire terminal block:

screw terminal 0.75–2.5 mm²

With earth terminal

Permissible load capacity: 20–100 pF

Lead length to the lamp: max. 1.5 m

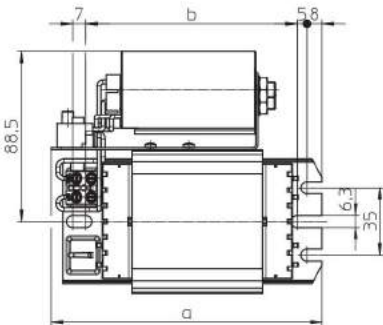
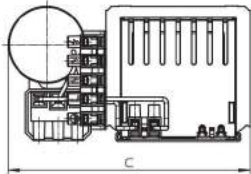
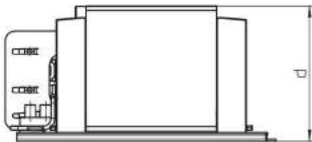
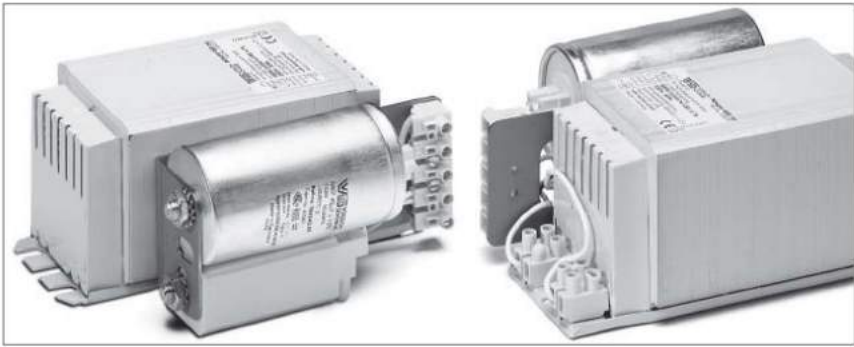
tw 130

On request:

Further outputs and voltages

With digital timer ignitor

For pulse ignition system



As individual components no
longer need to be wired, there is
a significant reduction in assem-
bly time and costs.

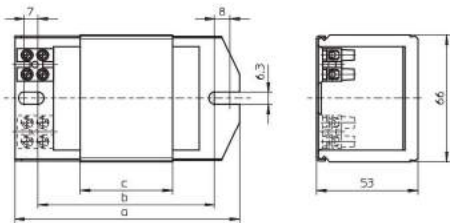
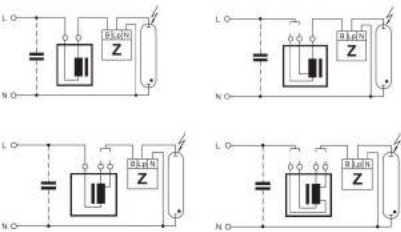
Especially suitable for change of
lamp technology from HM to HS.

Lamp			Assembly kit											
Output	Type	Current	Type	Ref. No.	Voltage AC	Mains current	Temperature protection	a	b	c	d	Weight	Power factor	Energy efficiency
W		A			V, Hz	A		mm	mm	mm	mm	kg	λ	
230 V, 50 Hz														
250	HS, HI	3.00	PKNaHJ 250.741	538678	230, 50	1.20	yes	141	110	128	73	3.2	> 0.90	A2
				538688			no							A2
400	HS, HI	4.45	PKNaHJ 400.743	538679	230, 50	1.80	yes	171	140	129	73	5.2	> 0.90	A2
				538689			no							A2
220 V, 60 Hz														
250	HS, HI	3.00	PKNaHJ 250.742	538683	220, 60	1.20	no	141	110	126	71	3.2	> 0.90	A2
400	HS, HI	4.45	PKNaHJ 400.744	538684	220, 60	1.80	no	171	140	129	71	5.2	> 0.90	A2

Standard Ballasts
for HS and HI
Lamps 35 to 70 W

Shape: 53x66 mm

For high pressure sodium lamps (HS),
metal halide lamps (HI) and
ceramic discharge lamps (C-HI)
Vacuum-impregnated with polyester resin
Screw terminals: 0.5–2.5 mm²
Protection class I
tw 130
Ballasts for pulse ignition system on request



Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
35	HS, HI	0.53	NaHJ 35.485*	526517	220/230, 50	108	86	36	1.07	60	0.40	EEl=A3	6	0.22/0.21
			NaHJ 35.485*	161367	230/240, 50	108	86	36	1.07	60	0.40	EEl=A3	6	0.22/0.21
			NaHJ 35.638	161371	220, 60	108	86	36	1.07	50	0.41	EEl=A3	5	0.23
50	HS, HI	0.76	NaH 50.486*	161379	230/240, 50	108	86	36	1.07	65	0.37	EEl=A3	8	0.30/0.29
			NaH 50.654	161399	220, 60	108	86	36	1.07	60	0.36	EEl=A3	8	0.31
50	HS, HI	0.76	NaHJ 70/50.157*	160613	230, 50	108	86	42	1.23	55	0.37	EEl=A3	8	0.30
70	HS, HI	0.98								70	0.37	EEl=A3	12	0.38
70	HS, HI	0.98	NaHJ 70.300	174961	220, 50	108	86	36	1.07	75	0.40	EEl=A3	12	0.40
			NaHJ 70.128*	533568	230, 50	108	86	36	1.07	70	0.36	EEl=A3	12	0.38
			NaHJ 70.128*	539434	230/240, 50	108	86	36	1.07	70/75	0.36	EEl=A3	12	0.38/0.37
			NaHJ 70.158	161662	240, 50	108	86	42	1.23	70	0.36	EEl=A3	12	0.37
			NaHJ 70.128	538407	240, 50	108	86	36	1.07	75	0.37	EEl=A3	12	0.37
			NaHJ 70.653	161392	220, 60	108	86	36	1.07	60	0.42	EEl=A3	10	0.40

* Ballasts without CE marking for replacements or markets outside of the EU

Standard Ballasts for HS and HI Lamps
70 to 250 W

Shape: 53x66 mm

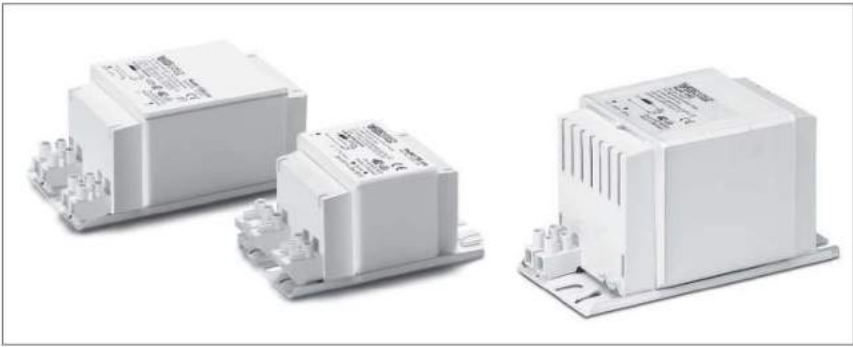
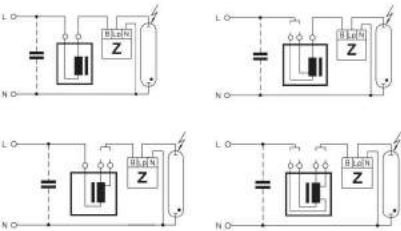
Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
70	HS, HI	0.98	NaHJ 100/70.703*	161469	230, 50	145	120	48	1.39	60	0.37	EEl=A3	12	0.38
100	HS, HI	1.20								70	0.43	EEl=A3	12	0.55
70	HS, HI	0.98	NaHJ 100/70.519	161158	230/240, 50	145	120	75	2.03	50	0.36	A2	12	0.38/0.37
100	HS, HI	1.20								60	0.42	EEl=A3	12	0.55/0.53
70	HS, HI	0.98	NaHJ 100/70.709	161471	220, 60	145	120	48	1.39	50	0.39	EEl=A3	10	0.40
100	HS, HI	1.20								60	0.44	EEl=A3	10	0.57
100	HS, HI	1.20	NaHJ 100.126	507671	220, 50	108	86	42	1.24	75	0.44	EEl=A3	12	0.55
			NaHJ 100.941 *	161707	230/240, 50	108	86	42	1.24	75/80	0.42	EEl=A3	12	0.55/0.53
			NaHJ 100.271	530195	220, 60	108	86	42	1.24	75	0.45	EEl=A3	10	0.57
150	HS, HI	1.80	NaHJ 150.159	533602	220, 50	145	120	64	1.80	75	0.41	EEl=A3	20	0.80
			NaHJ 150.620*	533565	230, 50	145	120	64	1.80	70	0.40	EEl=A3	20	0.77
			NaHJ 150.620	534540	240, 50	145	120	64	1.80	75	0.40	EEl=A3	20	0.74
			NaHJ 150.679	526196	220, 60	145	120	55	1.55	75	0.44	EEl=A3	16	0.80
			NaHJ 150.679	537793	220, 60	117	92	55	1.55	75	0.44	EEl=A3	16	0.80
250	HS, HI	3.00	NaHJ 250.204	529087	220, 50	160	135	95	2.50	80	0.42	EEl=A3	32	1.32
			NaHJ 250.160	160597	220, 50	180	155	110	2.84	75	0.41	EEl=A3	32	1.32
			NaHJ 250.915*	161686	230, 50	180	155	110	2.84	80	0.40	EEl=A3	32	1.26
			NaHJ 250.340*	504109	230/240, 50	180	155	110	2.84	80	0.39	EEl=A3	32	1.26/1.21
			NaHJ 250.340	178177	240, 50	180	155	110	2.84	80	0.39	EEl=A3	32	1.21
			NaHJ 250.163	529072	220, 60	160	135	95	2.50	70	0.42	A2	25	1.35
			NaHJ 250.163	160604	220, 60	180	155	95	2.50	70	0.42	A2	25	1.35

* Ballasts without CE marking for replacements or markets outside of the EU

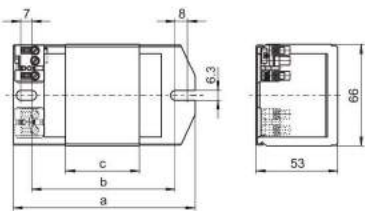
Ballasts with Thermal Cut-out for HS and HI Lamps 35 to 150 W

Shape: 53x66 mm

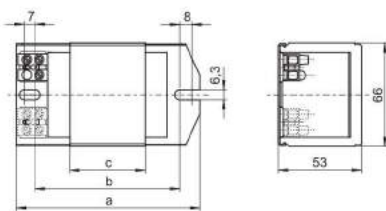
For high pressure sodium lamps (HS), metal halide lamps (HI) and ceramic discharge lamps (C-HI)
Vacuum-impregnated with polyester resin
With VS-patented, intelligent temperature switch with automatic reset (evaluates the temperature and current of the ballast)
Protection class I
tw 130
Ballasts for pulse ignition system on request



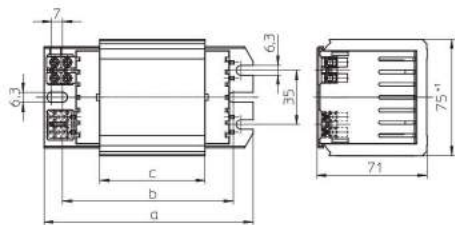
A Push-in terminals: 0.5–1.5 mm²



B Screw terminals: 0.5–2.5 mm²



C Screw terminals: 0.75–2.5 mm²



Lamp			Ballast											Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	Drawing	a mm	b mm	c mm	Weight kg	Δt K	Power factor (λ)	Energy efficiency	Cp μF	IN A
Push-in terminals: 0.5–1.5 mm²															
35	HS, HI	0.53	NaHJ 35.209	543737	230/240, 50	A	108	86	36	1.07	35	0.36	A2	6	0.22
			NaHJ 35.485*	506122	230/240, 50	A	108	86	36	1.07	60	0.40	EEL=A3	6	0.22/0.21
			NaHJ 35.638	509170	220, 60	A	108	86	36	1.07	50	0.41	EEL=A3	5	0.23
50	HS, HI	0.76	NaH 50.206	543738	230, 50	A	108	86	48	1.39	45	0.35	A2	8	0.30
50	HS, HI	0.76	NaHJ 70/50.157*	507341	230, 50	A	108	86	42	1.23	55	0.37	EEL=A3	8	0.30
70	HS, HI	0.98									70	0.37	EEL=A3	12	0.38
50	HS, HI	0.76	NaHJ 70/50.520*	538361	230, 50	A	117	92	48	1.39	45	0.36	EEL=A3	8	0.30
70	HS, HI	0.98									55	0.36	EEL=A3	12	0.38
70	HS, HI	0.98	NaHJ 70.128*	535191	230, 50	A	108	86	36	1.07	70	0.36	EEL=A3	12	0.38
			NaHJ 70.226	543741	230, 50	A	108	86	48	1.39	50	0.37	A2	12	0.38
			NaHJ 70.128*	533572	230/240, 50	A	108	86	36	1.07	70/75	0.36	EEL=A3	12	0.38/0.37
			NaHJ 70.653	509169	220, 60	A	108	86	36	1.07	60	0.42	EEL=A3	10	0.40
70	HS, HI	0.98	NaHJ 100/70.703*	507342	230, 50	A	145	120	48	1.39	60	0.37	EEL=A3	12	0.38
100	HS, HI	1.20									70	0.43	EEL=A3	12	0.55
100	HS, HI	1.20	NaHJ 100.670*	506120	230/240, 50	A	117	92	48	1.39	70	0.42	EEL=A3	12	0.55/0.53
			NaHJ 100.941*	539492	230/240, 50	A	108	86	42	1.23	75/80	0.42	EEL=A3	12	0.55/0.53
100	HS, HI	1.20	NaHJ 150/100.973*	507343	230, 50	A	145	120	75	2.02	55	0.41	A2	12	0.55
150	HS, HI	1.80									75	0.41	EEL=A3	20	0.57
150	HS, HI	1.80	NaHJ 150.620*	535216	230, 50	A	145	120	64	1.80	70	0.40	EEL=A3	20	0.77
			NaHJ 150.620*	538543	230/240, 50	A	145	120	64	1.80	70/75	0.40	EEL=A3	20	0.77/0.74
			NaHJ 150.355*	509100	230/240, 50	A	145	120	75	2.02	65	0.39	EEL=A3	20	0.77/0.74
			NaHJ 150.679	509171	220, 60	A	145	120	75	2.02	65	0.42	EEL=A3	16	0.80

* Ballasts without CE marking for replacements or markets outside of the EU

Ballasts with Thermal Cut-out for
HS and HI Lamps 35 to 250 W

Shape: 53x66 mm

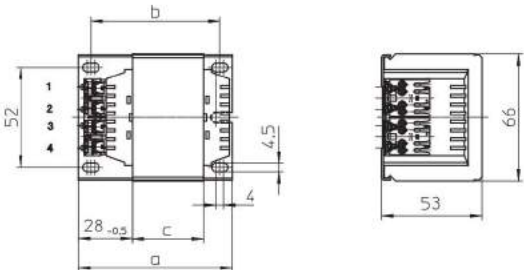
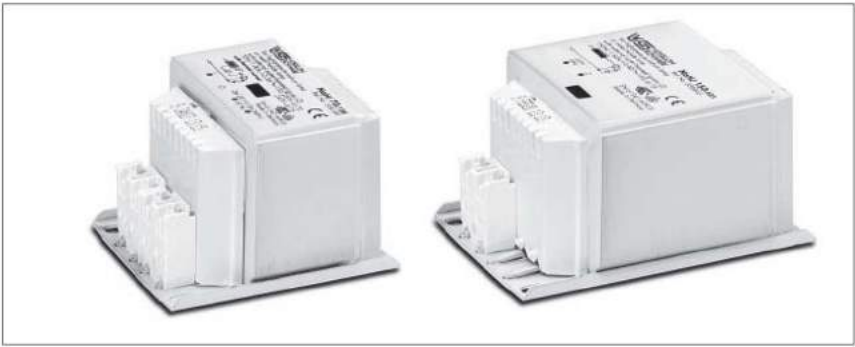
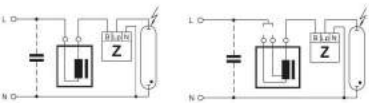
Lamp			Ballast											Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	Drawing	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
Screw terminals: 0.5–2.5 mm ² (Drawing B) or 0.75–2.5 mm ² (Drawing C)															
35	HS, HI	0.53	NaHJ 35.485*	503010	230/240, 50	B	108	86	36	1.07	60	0.40	EEL=A3	6	0.22/0.21
35	HS, HI	0.53	NaH 50/35.412	563871	230, 50	B	117	92	55	1.52	25	0.36	A2	6	0.22
50	HS, HI	0.76									40	0.34	A2	8	0.30
35	HS, HI	0.53	NaH 50/35.797*	539515	230, 50	B	108	86	36	1.07	45	0.40	EEL=A3	6	0.22
50	HS, HI	0.76	NaH 50.486*	507498	230/240, 50	B	108	86	36	1.07	70	0.37	EEL=A3	8	0.30
50	HS, HI	0.76									65	0.37	EEL=A3	8	0.30
50	HS, HI	0.76	NaHJ 70/50.695*	507697	230/240, 50	B	108	86	48	1.39	50	0.37	EEL=A3	8	0.30/0.29
70	HS, HI	0.98	NaHJ 70.226 NaHJ 70.128* NaHJ 70.158* NaHJ 70.128* NaHJ 70.158	563039 536582 169722 538830 546817	230, 50	B	108	86	48	1.39	50	0.37	A2	12	0.38
70	HS, HI	0.98			230, 50	B	108	86	36	1.07	70	0.36	EEL=A3	12	0.38
70	HS, HI	0.98			230/240, 50	B	108	86	42	1.23	70	0.36	EEL=A3	12	0.38/0.37
70	HS, HI	0.98			230/240, 50	B	108	86	36	1.07	70/75	0.36	EEL=A3	12	0.38/0.37
70	HS, HI	0.98			240, 50	B	108	86	42	1.23	70	0.36	EEL=A3	12	0.37
70	HS, HI	0.98	NaHJ 100/70.519	507628	230, 50	B	145	120	75	2.03	60	0.36	A2	12	0.38
100	HS, HI	1.20	NaHJ 100/70.703*	504131	230, 50	B	117	92	48	1.39	70	0.41	A2	12	0.55
70	HS, HI	0.98									60	0.37	EEL=A3	12	0.38
100	HS, HI	1.20	NaHJ 100.213 NaHJ 100.941* NaHJ 100.941*	554005 543349 502799	230/240, 50	B	117	92	55	1.55	60	0.41	A2	12	0.55/0.53
100	HS, HI	1.20			230, 50	B	108	86	42	1.23	75	0.42	EEL=A3	12	0.55
100	HS, HI	1.20			230/240, 50	B	108	86	42	1.23	75/80	0.42	EEL=A3	12	0.55/0.53
100	HS, HI	1.20	NaHJ 150/100.923	563876	230, 50	C	135	115	68	2.87	30	0.40	A2	12	0.55
150	HS, HI	1.80	NaHJ 150/100.973* NaHJ 150.166 NaHJ 150.355 NaHJ 150.620* NaHJ 150.995* NaHJ 150.620* NaHJ 150.620 NaHJ 150.679	504135 562450 539270 536593 169721 538831 537763 526616	230, 50	B	145	120	75	2.02	45	0.40	A2	20	0.77
100	HS, HI	1.20			230, 50	B	145	120	64	1.80	55	0.41	A2	12	0.55
150	HS, HI	1.80			230, 50	B	145	120	75	2.02	75	0.41	EEL=A3	20	0.77
150	HS, HI	1.80			230/240, 50	B	160	135	95	2.5	50	0.40	A2	20	0.77/0.74
150	HS, HI	1.80			220, 50	B	145	120	75	2.02	65	0.39	EEL=A3	20	0.80
150	HS, HI	1.80			230, 50	B	145	120	64	1.80	70	0.40	EEL=A3	20	0.77
150	HS, HI	1.80			230/240, 50	B	145	120	75	2.02	70	0.40	EEL=A3	20	0.77/0.74
250	HS, HI	3.00	NaHJ 250.915*	505054	230, 50	B	180	155	110	2.84	70/75	0.40	EEL=A3	20	0.77/0.74
250	HS, HI	3.00	NaHJ 250.340*	542349	230/240, 50	B	180	155	110	2.84	75	0.40	EEL=A3	20	0.77/0.74
250	HS, HI	3.00	NaHJ 250.340	508723	240, 50	B	180	155	110	2.84	75	0.40	EEL=A3	20	0.74
250	HS, HI	3.00	NaHJ 250.340	508723	240, 50	B	180	155	110	2.84	80	0.39	EEL=A3	32	1.26
250	HS, HI	3.00	NaHJ 250.340	508723	240, 50	B	180	155	110	2.84	80	0.39	EEL=A3	32	1.26

* Ballasts without CE marking for replacements or markets outside of the EU

Compact Ballasts
for HS and
HI Lamps
35 to 150 W

Shape: 53x66 mm

For high pressure sodium lamps (HS),
metal halide lamps (HI) and
ceramic discharge lamps (C-HI)
Vacuum-impregnated with polyester resin
Push-in terminals: 0.5–1 mm²
IDC terminals for leads HO5V-U 0.5
Protection class I
Ballasts with screw terminals on request



Lamp			Ballast											Capacitor	
Output	Type	Current	Type	Ref. No.	Voltage AC	a	b	c	Weight	Δt	t _w	Power factor	Energy efficiency	C _p	I _N
W		A			V, Hz	mm	mm	mm	kg	K	°C	λ		μF	A
35	HS, HI	0.53	NaHJ 35.485*	538807	230/240, 50	80	67	36	1.07	60	130	0.40	EEI=A3	6	0.22/0.21
70	HS, HI	0.98	NaHJ 70.128*	538810	230, 50	80	67	36	1.07	70	130	0.36	EEI=A3	12	0.38
			NaHJ 70.128*	538823	230/240, 50	80	67	36	1.07	70/75	130	0.36	EEI=A3	12	0.38/0.37
			NaHJ 70.653	538828	220, 60	80	67	36	1.07	60	130	0.42	EEI=A3	10	0.40
150	HS, HI	1.80	NaHJ 150.620*	538834	230, 50	107	94	64	1.80	70	130	0.40	EEI=A3	20	0.77
			NaHJ 150.625	538843	240, 50	107	94	64	1.80	75	130	0.40	EEI=A3	20	0.74
			NaHJ 150.679	542557	220, 60	107	94	64	1.80	75	130	0.44	EEI=A3	16	0.80

* Ballasts without CE marking for replacements or markets outside of the EU

With Thermal Cut-out

Thermal cut-out with automatic reset

Lamp			Ballast											Capacitor	
Output	Type	Current	Type	Ref. No.	Voltage AC	a	b	c	Weight	Δt	t _w	Power factor	Energy efficiency	C _p	I _N
W		A			V, Hz	mm	mm	mm	kg	K	°C	λ		μF	A
35	HS, HI	0.53	NaHJ 35.485*	538258	230/240, 50	80	67	36	1.07	60	130	0.40	EEI=A3	6	0.22/0.21
70	HS, HI	0.98	NaHJ 70.128*	539223	230/240, 50	80	67	36	1.07	70/75	140	0.36	EEI=A3	12	0.38/0.37
			NaHJ 70.653	538537	220, 60	80	67	36	1.07	60	130	0.42	EEI=A3	10	0.40
100	HS, HI	1.20	NaHJ 100.581*	539081	230/240, 50	107	94	64	1.80	60	130	0.42	EEI=A3	12	0.55/0.53
150	HS, HI	1.80	NaHJ 150.159	548260	220, 50	107	94	64	1.80	75	130	0.41	EEI=A3	20	0.77
			NaHJ 150.620*	538262	230, 50	107	94	64	1.80	70	130	0.40	EEI=A3	20	0.77
			NaHJ 150.620*	539306	230, 50	107	94	64	1.80	70	140	0.40	EEI=A3	20	0.77
			NaHJ 150.620	538264	240, 50	107	94	64	1.80	75	130	0.40	EEI=A3	20	0.74
			NaHJ 150.620	539286	240, 50	107	94	64	1.80	75	140	0.40	EEI=A3	20	0.74
			NaHJ 150.679	539311	220, 60	107	94	64	1.80	75	130	0.44	EEI=A3	16	0.80

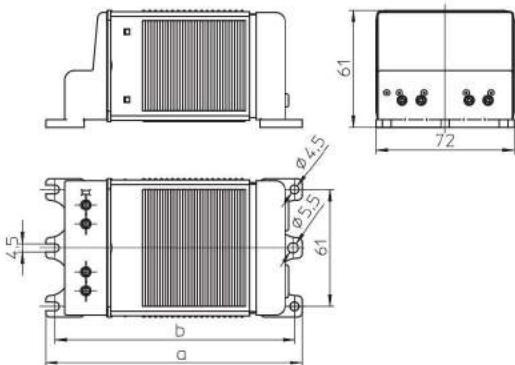
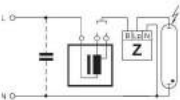
* Ballasts without CE marking for replacements or markets outside of the EU

Ballasts with Thermal Cut-out for HS and HI Lamps 35 to 150 W, Protection Class II

Encapsulated ballast in compact plastic casing
Shape: 61x72 mm

For high pressure sodium lamps (HS), metal halide lamps (HI) and ceramic discharge lamps (C-HI)
With cable holder
Thermal cut-out with automatic reset
Screw terminals: 0.5–2.5 mm²

Protection class II
tw 130



Lamp			Ballast									Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
35	HS, HI	0.53	NaHZ 50/35.797*	539609	230, 50	134	125	1.60	45	0.40	EEl=A3	6	0.22
50	HS, HI	0.76							70	0.37	EEl=A3	8	0.30
50	HS, HI	0.76	NaHJZ 70/50.520*	533395	230, 50	134	125	1.60	45	0.36	EEl=A3	8	0.30
70	HS, HI	0.98							65	0.36	EEl=A3	12	0.38
70	HS, HI	0.98	NaHJZ 100/70.519*	533396	230, 50	161	152	2.10	45	0.36	EEl=A3	12	0.38
100	HS, HI	1.20							60	0.42	EEl=A3	12	0.55
100	HS, HI	1.20	NaHJZ 150/100.466*	533398	230, 50	161	152	2.30	45	0.41	A2	12	0.85
150	HS, HI	1.80							70	0.39	EEl=A3	20	0.77

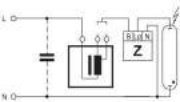
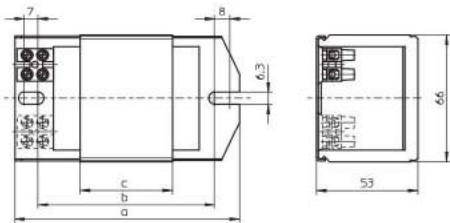
* Ballasts without CE marking for replacements or markets outside of the EU

Ballasts with Thermal Cut-out and Thermal Fuse for HS and HI Lamps 35 to 150 W, Protection Class II

With double insulation
Shape: 53x66 mm

For high pressure sodium lamps (HS), metal halide lamps (HI) and ceramic discharge lamps (C-HI)
Thermal cut-out with automatic reset
Screw terminals: 0.5–2.5 mm²

Protection class II
tw 130



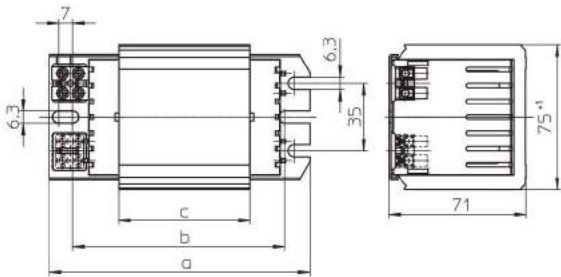
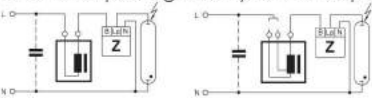
Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
35	HS, HI	0.53	NaHZ 50/35.797*	553806	230, 50	108	92	36	1.07	45	0.40	EEl=A3	6	0.22
50	HS, HI	0.76								70	0.37	EEl=A3	8	0.30
50	HS, HI	0.76	NaHJZ 70/50.785*	509490	230, 50	108	92	42	1.24	50	0.35	EEl=A3	8	0.30
70	HS, HI	0.98								70	0.38	EEl=A3	12	0.38
70	HS, HI	0.98	NaHJZ 100/70.786*	509491	230, 50	145	120	69	1.83	55	0.38	EEl=A3	12	0.38
100	HS, HI	1.20								65	0.41	EEl=A3	12	0.55
100	HS, HI	1.20	NaHJZ 150/100.787*	509492	230, 50	145	120	69	1.83	50	0.39	EEl=A3	12	0.85
150	HS, HI	1.80								75	0.41	EEl=A3	20	0.77

* Ballasts without CE marking for replacements or markets outside of the EU

Ballasts for
HS and HI Lamps
150 to 400 W

Shape: 71x75 mm

For high pressure sodium lamps (HS),
metal halide lamps (HI) and
ceramic discharge lamps (CHL)
Vacuum-impregnated with polyester resin
Screw terminals: 0.75–2.5 mm²
Protection class I
tw 130
Ballasts for pulse ignition system on request



Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
250	HS, HI	3.00	NaHJ 250.741	536147	220, 50	135	115	68	2.85	70	0.42	A2	32	1.35
			NaHJ 250.741	536148	230, 50	135	115	68	2.85	75	0.40	A2	32	1.30
			NaHJ 250.741	536149	240, 50	135	115	68	2.85	75	0.39	A2	32	1.25
			NaHJ 250.742	536150	220, 60	135	115	68	2.85	70	0.42	A2	25	1.40
400	HS, HI	4.45	NaHJ 400.743	536142	220, 50	165	145	103	4.1	70	0.45	A2	45	2.10
			NaHJ 400.743	535142	230, 50	165	145	103	4.1	75	0.44	A2	45	2.00
			NaHJ 400.743	536143	240, 50	165	145	103	4.1	75	0.40	A2	45	1.85
			NaHJ 400.744	536144	220, 60	165	145	103	4.1	70	0.44	A2	40	2.05

With Thermal Cut-out

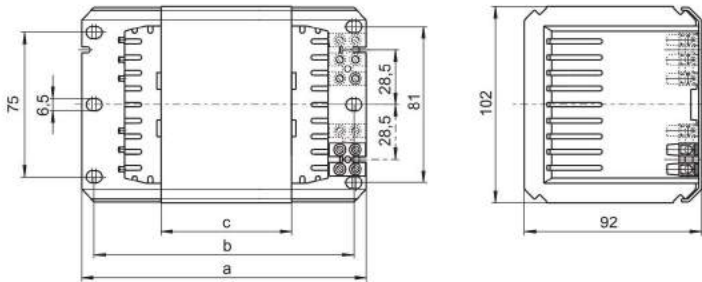
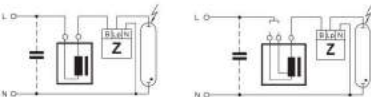
Thermal cut-out with automatic reset

Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
150	HS, HI	1.80	NaHJ 150.216	554006	230/240, 50	135	115	68	2.85	45	0.40	A2	20	0.77
250	HS, HI	3.00	NaHJ 250.741	539274	220, 50	135	115	68	2.85	70	0.42	A2	32	1.35
			NaHJ 250.741	544210	230, 50	135	115	68	2.85	65	0.40	A2	32	1.30
			NaHJ 250.741	536151	230, 50	135	115	68	2.85	75	0.40	A2	32	1.30
			NaHJ 250.741	537726	230/240, 50	135	115	68	2.85	75	0.40	A2	32	1.30/1.25
			NaHJ 250.741	536152	240, 50	135	115	68	2.85	75	0.39	A2	32	1.25
400	HS, HI	4.45	NaHJ 400.743	548259	220, 50	165	145	103	4.1	70	0.44	A2	45	2.10
			NaHJ 400.743	536145	230, 50	165	145	103	4.1	75	0.44	A2	45	2.00
			NaHJ 400.743	538204	230, 50	165	145	103	4.1	65	0.41	A2	45	2.00
			NaHJ 400.743	539209	230/240, 50	165	145	103	4.1	75	0.41	A2	45	2.00/1.85
			NaHJ 400.743	543986	240, 50	165	145	103	4.1	70	0.40	A2	45	1.85
			NaHJ 400.743	536146	240, 50	165	145	103	4.1	75	0.40	A2	45	1.85
			NaHJ 400.744	538620	220, 60	165	145	103	4.1	70	0.44	A2	40	2.05

Ballasts for
HS and HI Lamps
250 to 600 W

Shape: 92x102 mm

For high pressure sodium lamps (HS),
metal halide lamps (HI) and
ceramic discharge lamps (C-HI)
Vacuum-impregnated with polyester resin
Screw terminals: 0.75–2.5 mm²
Protection class I
tw 130
Ballasts for pulse ignition system on request



Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
250	HS, HI	3.00	NaHJ 250.003	179743	220, 50	133	120	44	3.53	70	0.41	EEl=A3	32	1.32
			NaHJ 250.727*	178771	230, 50	133	120	44	3.53	70	0.39	EEl=A3	32	1.26
			NaHJ 250.727	500976	240, 50	133	120	44	3.53	70	0.39	EEl=A3	32	1.21
			NaHJ 250.011	500401	220, 60	133	120	44	3.53	65	0.43	A2	25	1.35
400	HS, HI	4.45	NaHJ 400.006	179740	220, 50	148	135	68	5.20	70	0.44	A2	45	2.00
			NaHJ 400.006	178790	230, 50	148	135	68	5.20	70	0.44	A2	45	1.95
			NaHJ 400.737	500402	240, 50	148	135	68	5.20	75	0.43	A2	45	1.90
			NaHJ 400.012	500403	220, 60	148	135	68	5.20	70	0.44	A2	40	2.00
	HI	3.50	J 400.027	505782	230/240, 50	148	135	68	5.20	60	0.45	A2	35	1.64/1.59
600	HS	6.20	NaH 600.010	179742	220, 50	173	160	96	6.80	70	0.44	A2	65	2.90
			NaH 600.005	533484	230/240, 50	173	160	96	6.80	70	0.44	A2	65	2.90/2.85
			NaH 600.140	529560	220, 60	173	160	96	6.80	65	0.46	A2	55	3.00

* Ballasts without CE marking for replacements or markets outside of the EU

With Thermal Cut-out

Thermal cut-out with automatic reset

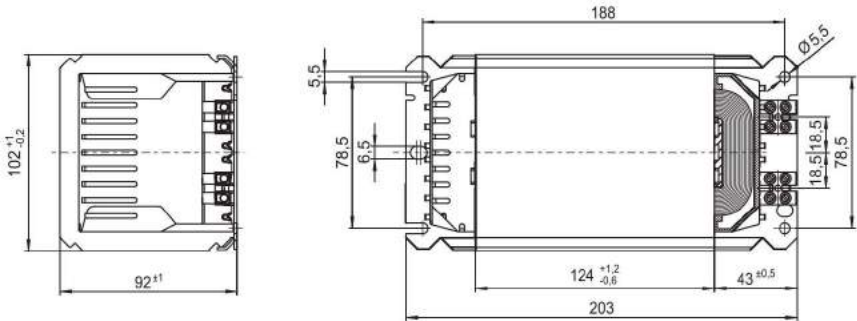
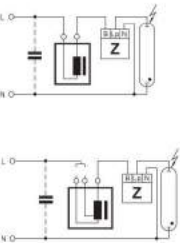
Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
250	HS, HI	3.00	NaHJ 250.727*	500969	230/240, 50	133	120	44	3.53	70	0.39	EEl=A3	32	1.26/1.21
			NaHJ 250.011	508744	220, 60	133	120	44	3.46	65	0.43	A2	25	1.35
400	HS, HI	4.45	NaHJ 400.737	179424	230/240, 50	148	135	68	5.20	70/75	0.43	A2	45	1.95/1.90
	HI	3.50	J 400.027	509613	230/240, 50	148	135	68	5.20	60	0.45	A2	35	1.64/1.59
	HS, HI	4.45	NaHJ 400.012	508741	220, 60	148	135	68	5.20	70	0.44	A2	40	2.00
600	HS	6.20	NaH 600.005	179454	230/240, 50	173	160	96	6.80	70	0.44	A2	65	2.90/2.85

* Ballasts without CE marking for replacements or markets outside of the EU

Ballasts for
HS and HI Lamps
1000 W

Shape: 92x102 mm

For high pressure sodium lamps (HS)
and metal halide lamps (HI)
Vacuum-impregnated with polyester resin
Screw terminals: 0.75–2.5 mm²
Protection class I
tw 130
Ballasts for pulse ignition system on request

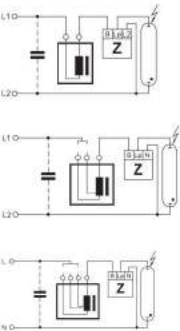


Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
1000	HS	10.30	NaHJ 1000.089	534487	220, 50	203	188	124	8.90	80	0.47	A2	100	5.1
	HI	9.50									0.51	A2	85	5.0
1000	HS	10.30	NaHJ 1000.089	539212	220/230, 50	203	188	124	8.90	80	0.45	A2	100	5.1
	HI	9.50									0.49	A2	85	5.0
1000	HS	10.30	NaHJ 1000.089	528548	230, 50	203	188	124	8.90	80	0.45	A2	100	5.1
	HI	9.50									0.49	A2	85	5.0
1000	HS	10.30	NaHJ 1000.089	544787	230/240, 50	203	188	124	8.90	85	0.45	A2	100	5.1
	HI	9.50									0.46	A2	85	5.0
1000	HS	10.30	NaHJ 1000.089	536140	240, 50	203	188	124	8.90	85	0.42	A2	100	4.8
	HI	9.50									0.46	A2	85	4.9
1000	HS	10.30	NaHJ 1000.089	528536	220, 60	203	188	124	8.90	75	0.46	A2	100	5.1
	HI	9.50									0.50	A2	85	5.0

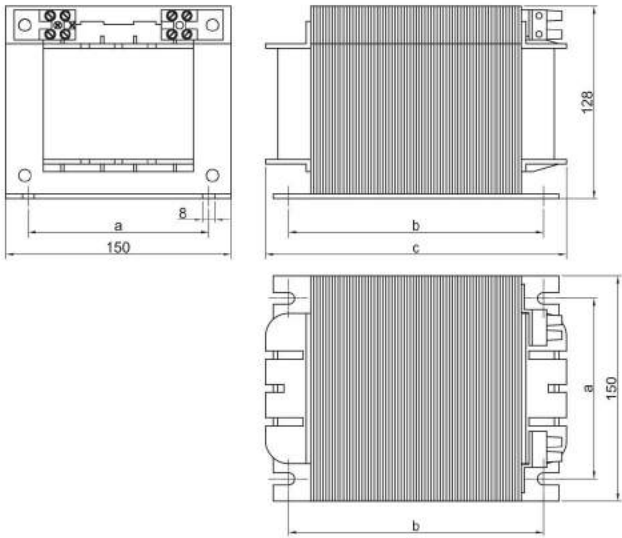
Ballasts for
HI Lamps
up to 2500 W

Shape: 150x150 mm

For metal halide lamps (HI)
Vacuum impregnated with polyester resin
Screw terminals: 0.75–4 mm²
For luminaires of protection class I
tw 130



For Short Arc lamps

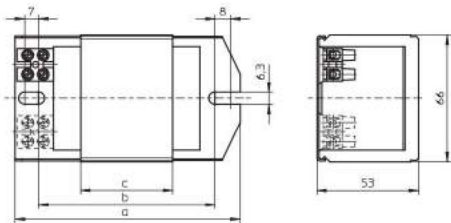
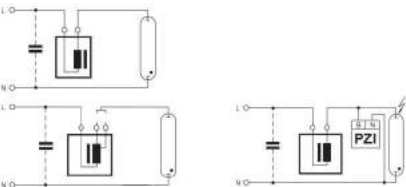
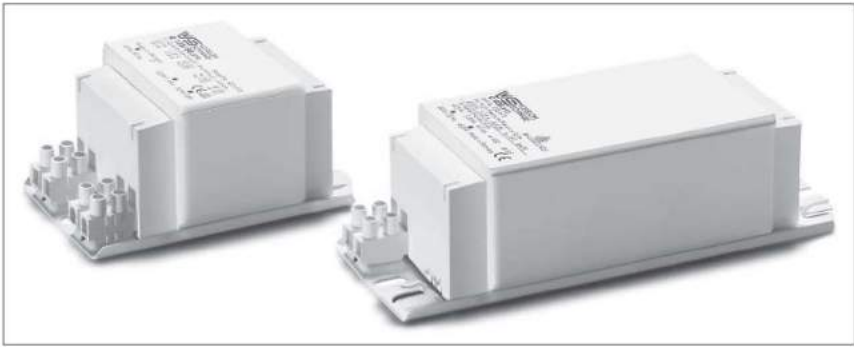


Lamp			Ballast											Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A	
2000	HI	8.8	J 2000.71	554303	380/400, 50	122	175	200	15	75	0.60	A2	37	6	
			J 2000.72	554304	380/400/415, 50	122	135	160	14	70	0.58	A2	37	6	
			J 2000.73	554305	380, 60	122	175	200	15	75	0.53	A2	30	6	
2000	HI	10.3/11.3	JD 2000.81	554270	380/400, 50	122	175	200	15	80	0.53	A2	60	6	
			JD 2000.81	554306	380/400/415, 50	122	135	160	14	75	0.52	A2	60	6	
			JD 2000.83	554283	380, 60	122	175	200	15	75	0.54	A2	50	6	
2000	HI	12.2	JD 2000II.91	554307	380/400, 50	122	175	200	16	80	0.46	A2	70	6	
			JD 2000II.92	554308	380, 60	122	175	200	16	75	0.45	A2	60	6	
2000	HI	16.5	JD 2000I.85	554309	230/240, 50	122	135	160	14	80	0.57	A2	125	10.5	
			JD 2000I.86	554310	220, 60	122	135	160	14	80	0.57	A2	105	10	
For Short Arc Lamps 1200 and 2500 W															
1200	HI	13.8	J 1200.95	554311	208, 60	122	105	130	11	—	0.40	A2	150	6	
					230/245, 50							A2			
2500	HI	25.6	J 2500.96	554312	208, 60	122	175	200	16	—	0.44	A2	260	12.3	
					230/245, 50							A2			

Ballasts for
HM and HI Lamps
50 to 400 W

Shape: 53x66 mm

For mercury vapour lamps (HM) and
metal halide lamps (HI) with ignition voltage 1 kV
Vacuum-impregnated with polyester resin
Screw terminals: 0.5–2.5 mm²
Protection class I
tw 130



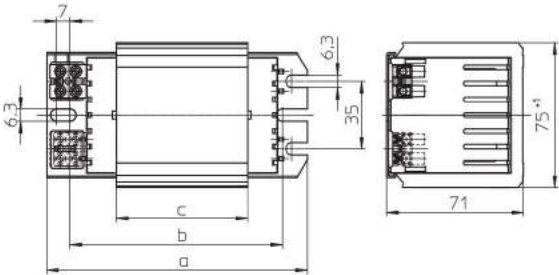
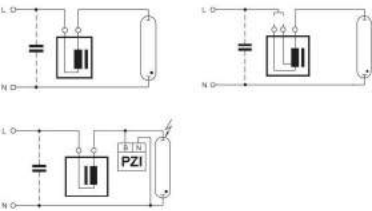
Lamp			Ballast											Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A	
50	HM	0.61	Q 50.501	167100	220, 50	108	86	36	1.07	55	0.44	EEl=A3	7	0.28	
			Q 50.550*	167213	230, 50	108	86	36	1.07	55	0.44	EEl=A3	7	0.27	
			Q 50.508	167125	240, 50	108	86	36	1.07	65	0.42	EEl=A3	7	0.26	
			Q 50.535	167185	220, 60	108	86	36	1.07	50	0.44	EEl=A3	6	0.28	
50	HM	0.61	Q 80/50.596*	167311	230, 50	108	86	36	1.07	55	0.43	EEl=A3	7	0.27	
80	HM	0.80								70	0.51	EEl=A3	8	0.41	
50	HM	0.61	Q 80/50.592	167306	220, 60	108	86	36	1.07	50	0.44	EEl=A3	6	0.28	
80	HM	0.80								60	0.53	EEl=A3	7	0.43	
80	HM	0.80	Q 80.587	167302	220, 50	108	86	36	1.07	65	0.52	EEl=A3	8	0.43	
			Q 80.588*	167304	230, 50	108	86	36	1.07	70	0.51	EEl=A3	8	0.41	
			Q 80.510	167132	240, 50	108	86	36	1.07	60	0.48	EEl=A3	8	0.40	
			Q 80.584	167299	220, 60	108	86	36	1.07	55	0.51	EEl=A3	7	0.43	
80	HM	0.80	Q 125/80.611*	167326	230, 50	108	86	42	1.23	50	0.49	EEl=A3	8	0.41	
125	HM	1.15								70	0.54	EEl=A3	10	0.60	
80	HM	0.80	Q 125/80.511	167136	240, 50	108	86	48	1.39	50	0.48	EEl=A3	8	0.40	
125	HM	1.15								70	0.52	EEl=A3	10	0.58	
125	HM	1.15	Q 125.549	169947	220, 50	108	86	36	1.07	70	0.56	EEl=A3	10	0.63	
			Q 125.568*	167263	230, 50	108	86	36	1.07	75	0.54	EEl=A3	10	0.60	
			Q 125.512	167140	240, 50	108	86	48	1.39	65	0.51	EEl=A3	10	0.58	
			Q 125.598	502818	220, 60	108	86	36	1.07	60	0.57	EEl=A3	10	0.65	
250	HM	2.13	Q 250.513	167144**	220, 50	145	120	75	2.10	75	0.58	A2	18	1.26	
			Q 250.528	167367**	230, 50	145	120	75	2.10	75	0.56	A2	18	1.20	
			Q 250.703	507256**	240, 50	145	120	75	2.10	75	0.53	A2	18	1.15	
			Q 250.606	533705**	220, 60	145	120	64	1.80	70	0.58	A2	15	1.30	
400	HM	3.25	Q 400.616	528236**	220, 50	160	135	95	2.50	80	0.60	EEl=A3	25	2.00	
			Q 400.561	167250**	220, 50	180	155	110	2.88	75	0.60	A2	25	2.00	
			Q 400.612	167330**	230, 50	180	155	110	2.88	75	0.56	A2	25	1.90	
			Q 400.669	167374**	240, 50	180	155	110	2.88	75	0.54	A2	25	1.85	
			Q 400.613	167335**	220, 60	180	155	110	2.88	65	0.60	A2	25	2.00	
			Q 400.613	508245**	220, 60	180	155	95	2.50	75	0.60	A2	25	2.00	

* Ballasts without CE marking for replacements or markets outside of the EU
** Suitable for metal halide lamps (HI) with ignition voltage 1 kV in combination with pulse ignitor PZI 1000/1 K (see page 52)

Ballasts for
HM and HI Lamps
250 and 400 W

Shape: 71x75 mm

For mercury vapour lamps (HM) and
metal halide lamps (HI) with ignition voltage 1 kV
Vacuum-impregnated with polyester resin
Screw terminals: 0.75–2.5 mm²
Protection class I
tw 130



Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
250	HM	2.13	Q 250.800	536260*	230/240, 50	135	115	68	2.85	55	0.53	A2	18	1.3
400	HM	3.25	Q 400.715	537869*	220, 50	135	115	68	2.85	70	0.59	A2	25	2.0
			Q 400.801	536258*	230, 50	135	115	68	2.85	75	0.58	A2	25	2.0
			Q 400.801	538034*	230, 50	135	115	68	2.85	65	0.58	A2	25	2.0
			Q 400.801	537703*	230/240, 50	135	115	68	2.85	75	0.58	A2	25	2.0/1.85
			Q 400.732	537873*	220, 60	135	115	68	2.85	70	0.59	A2	25	2.0

* Suitable for metal halide lamps (HI) with ignition voltage 1 kV in combination with pulse ignitor PZI 1000/1 K (see page 52)

With Thermal Cut-out

Thermal cut-out with automatic reset

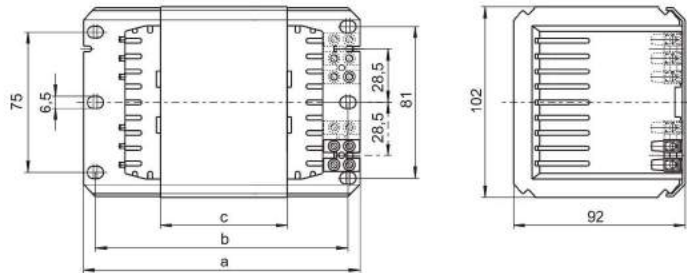
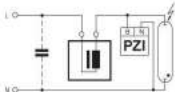
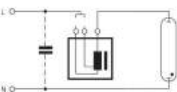
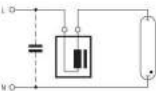
Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	IN A
250	HM	2.13	Q 250.800	536261*	230/240, 50	135	115	68	2.85	55	0.53	A2	18	1.3
400	HM	3.25	Q 400.801	536259*	230, 50	135	115	68	2.85	75	0.58	A2	25	2.0

* Suitable for metal halide lamps (HI) with ignition voltage 1 kV in combination with pulse ignitor PZI 1000/1 K (see page 52)

Ballasts for
HM and HI Lamps
250 to 1000 W

Shape: 92x102 mm

For mercury vapour lamps (HM) and
metal halide lamps (HI) with ignition voltage 1 kV
Vacuum-impregnated with polyester resin
Screw terminals: 0.75–2.5 mm²
Protection class I
tw 130



Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
250	HM	2.13	Q 250.417	504467*	230/240, 50	133	120	44	3.53	50	0.52	A2	18	1.20
400	HM	3.25	Q 400.001	504474*	230/240, 50	133	120	44	3.53	65	0.56	A2	25	1.80
700	HM	5.40	Q 700.035	528521	230/240, 50	173	160	96	6.90	60	0.56	A2	40	3.40
1000	HM	7.50	Q 1000.097	537103*	220, 50	173	160	96	6.90	75	0.61	A2	60	4.80
			Q 1000.096	538540*	230, 50	173	160	96	6.90	65	0.60	A2	60	4.80
			Q 1000.096	528761*	230, 50	173	160	96	6.90	65	0.60	A2	60	4.80
			Q 1000.145	528886*	240, 50	173	160	96	6.90	75	0.58	A2	60	4.60
			Q 1000.311	526715*	220, 60	173	160	96	6.90	70	0.61	A2	50	5.00

* Suitable for metal halide lamps (HI) with ignition voltage 1 kV in combination with pulse ignitor PZI 1000/1 K (see page 52)

With Thermal Cut-out

Thermal cut-out with automatic reset

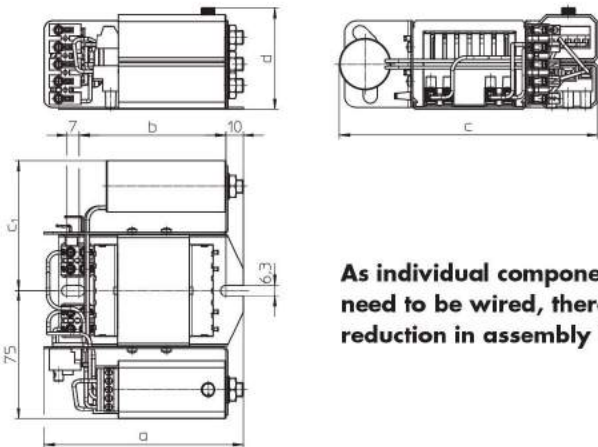
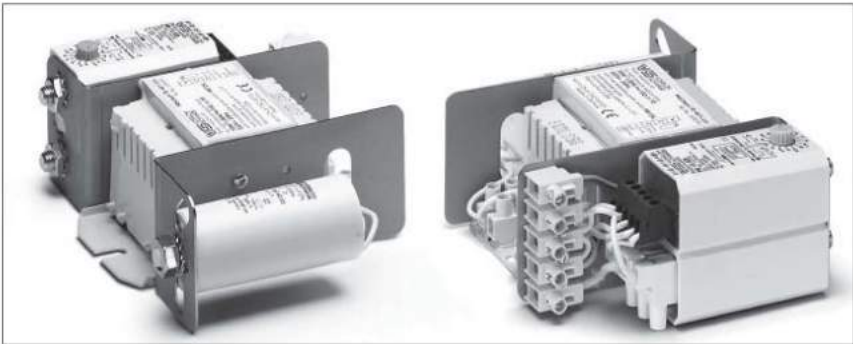
Lamp			Ballast										Capacitor	
Output W	Type	Current A	Type	Ref. No.	Voltage AC V, Hz	a mm	b mm	c mm	Weight kg	Δt K	Power factor λ	Energy efficiency	Cp μF	In A
250	HM	2.13	Q 250.417	508746*	230/240, 50	133	120	44	3.53	50	0.52	A2	18	1.20
400	HM	3.25	Q 400.001	505002*	230/240, 50	133	120	44	3.53	65	0.56	A2	25	1.80

* Suitable for metal halide lamps (HI) with ignition voltage 1 kV in combination with pulse ignitor PZI 1000/1 K (see page 52)

Compact
Power Reduction
Kits for HS Lamps
50 to 150 W

Ballast shape: 53x66 mm

For high pressure sodium lamps (HS)
Compact power reduction kit with ballast with or without patented, intelligent thermal cut-out with auto-matic reset (which evaluates the temperature and current of the ballast), ignitor, power switch and compensation capacitor
With luminaire terminal block:
 screw terminal 0.75–2.5 mm²
With earth terminal
Permissible load capacity: 20–100 pF
Lead length to the lamp: max. 1.5 m
tw 130
Further outputs and voltages on request
With digital timer ignitor on request



As individual components no longer need to be wired, there is a significant reduction in assembly time and costs.

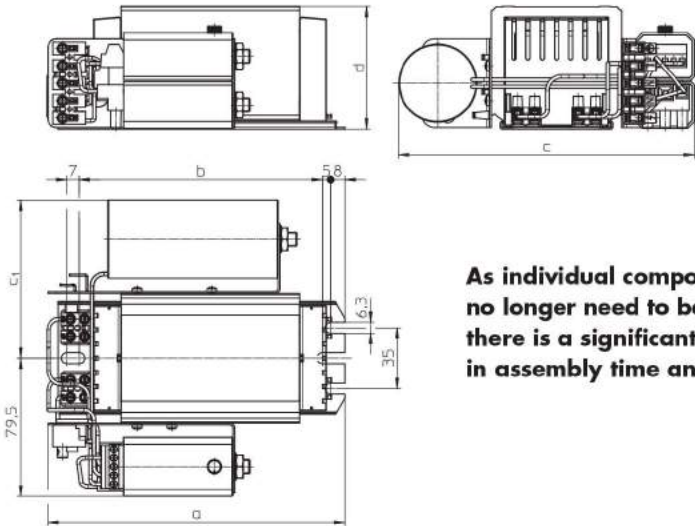
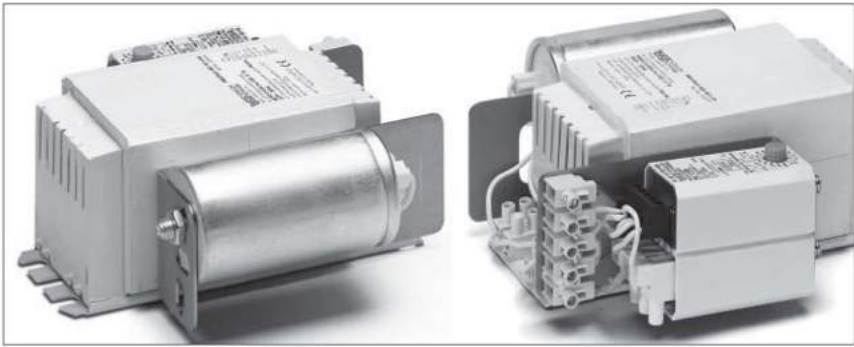
Lamp			Power reduction kit														
Output	Type	Current	Type	Ref. No.	Voltage AC V, Hz	Mains current A	Temperature protection	a	b	c	c1	d	Weight	Power factor λ	Energy efficiency		
								mm	mm	mm	mm	mm	kg				
Power reduction without control phase – Intelligent power switch PR 12 K LC (Light Control)																	
70/40%	HS	0.98	PRKUNaH 70/40%.525	543384	220, 50	0.38	no	117	86	151	76	60	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522	543388	220, 50	0.56	no	123	92	151	76	60	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142	543385	220, 50	0.77	no	151	120	154	79	60	2.3	> 0.90	EEL=A3		
50/40%	HS	0.76	PRKUNaH 50/40%.021*	544760	230, 50	0.30	yes	117	86	151	76	56	1.5	> 0.90	EEL=A3		
70/40%	HS	0.98	PRKUNaH 70/40%.525*	543742	230, 50	0.38	yes	117	86	151	76	60	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522*	543743	230, 50	0.55	yes	123	92	151	76	60	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142*	543744	230, 50	0.77	yes	151	120	154	79	60	2.3	> 0.90	EEL=A3		
Power reduction without control phase – Power switch PR 12 KD with selectable switching time																	
70/40%	HS	0.98	PRKUNaH 70/40%.525	539328	220, 50	0.38	no	117	86	151	76	60	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522	539330	220, 50	0.56	no	123	92	151	76	60	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142	539332	220, 50	0.77	no	151	120	154	79	60	2.3	> 0.90	EEL=A3		
70/40%	HS	0.98	PRKUNaH 70/40%.525*	538690	230, 50	0.38	yes	117	86	151	76	60	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522*	538691	230, 50	0.56	yes	123	92	151	76	60	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142	538692	230, 50	0.77	yes	151	120	154	79	60	2.3	> 0.90	EEL=A3		
70/40%	HS	0.98	PRKUNaH 70/40%.525	538700	220, 60	0.38	no	117	86	151	76	60	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522	538701	220, 60	0.56	no	123	92	151	76	60	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142	538702	220, 60	0.77	no	151	120	154	79	60	2.3	> 0.90	EEL=A3		
Power reduction with control phase – Power switch PU 12 K																	
70/40%	HS	0.98	PRKUNaH 70/40%.525	539329	220, 50	0.38	no	117	86	151	76	56	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522	539331	220, 50	0.56	no	123	92	151	76	56	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142	539333	220, 50	0.77	no	151	120	154	79	56	2.3	> 0.90	EEL=A3		
70/40%	HS	0.98	PRKUNaH 70/40%.525*	538695	230, 50	0.38	yes	117	86	151	76	56	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522*	538696	230, 50	0.56	yes	123	92	151	76	56	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142*	538697	230, 50	0.77	yes	151	120	154	79	56	2.3	> 0.90	EEL=A3		
70/40%	HS	0.98	PRKUNaH 70/40%.525	538705	220, 60	0.38	no	117	86	151	76	56	1.5	> 0.90	EEL=A3		
100/40%	HS	1.20	PRKUNaH 100/40%.522	538706	220, 60	0.56	no	123	92	151	76	56	1.7	> 0.90	EEL=A3		
150/40%	HS	1.80	PRKUNaH 150/40%.142	538707	220, 60	0.77	no	151	120	154	79	56	2.3	> 0.90	EEL=A3		

* Ballasts without CE marking for replacements or markets outside of the EU

Compact
Power Reduction
Kits for HS Lamps
250 and 400 W

Ballast shape: 71x75 mm

For high pressure sodium lamps (HS)
Compact power reduction kit with ballast
with or without thermal cut-out with automatic
reset, superimposed ignitor, power switch and
compensation capacitor
With luminaire terminal block:
 screw terminal 0.75–2.5 mm²
With earth terminal
Permissible load capacity: 20–100 pF
Lead length to the lamp: max. 1.5 m
tw 130
Further outputs and voltages on request
With digital timer ignitor on request



As individual components
no longer need to be wired,
there is a significant reduction
in assembly time and costs.

Lamp			Power reduction kit													
Output	Type	Current	Type	Ref. No.	Voltage	Mains	Temperature	a	b	c	c1	d	Weight	Power	Energy	
W		A			AC	current	protection	mm	mm	mm	mm	mm	kg	λ	efficiency	
					V, Hz	A										
Power reduction without control phase – Intelligent power switch PR 12 K LC (Light Control)																
250/40%	HS	3.00	PRKUNaH 250/40%.936*	543386	220, 50	1.26	no	141	110	171	91	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.906	543389	220, 50	1.95	no	171	140	171	91	71	5.3	> 0.90	A2	
250/40%	HS	3.00	PRKUNaH 250/40%.936*	543745	230, 50	1.26	yes	141	110	171	91	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.906	543746	230, 50	1.95	yes	171	140	171	91	71	5.3	> 0.90	A2	
Power reduction without control phase – Power switch PR 12 KD with selectable switching time																
250/40%	HS	3.00	PRKUNaH 250/40%.758	546585	220, 50	1.26	no	171	140	171	91	71	5.3	> 0.90	EEL=A3	
250/40%	HS	3.00	PRKUNaH 250/40%.936	539334	220, 50	1.26	no	141	110	171	91	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.906	539335	220, 50	1.95	no	171	140	171	91	71	5.3	> 0.90	A2	
250/40%	HS	3.00	PRKUNaH 250/40%.936*	538693	230, 50	1.26	yes	141	110	171	91	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.906	538694	230, 50	1.95	yes	171	140	171	91	71	5.3	> 0.90	A2	
250/40%	HS	3.00	PRKUNaH 250/40%.983	538703	220, 60	1.26	no	141	110	165	86	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.937	538704	220, 60	1.95	no	171	140	171	91	71	5.3	> 0.90	A2	
Power reduction with control phase – Power switch PU 12 K																
250/40%	HS	3.00	PRKUNaH 250/40%.936	539336	220, 50	1.26	no	141	110	171	91	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.906	539337	220, 50	1.95	no	171	140	171	91	71	5.3	> 0.90	A2	
250/40%	HS	3.00	PRKUNaH 250/40%.936*	538698	230, 50	1.26	yes	141	110	171	91	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.906	538699	230, 50	1.95	yes	171	140	171	91	71	5.3	> 0.90	A2	
250/40%	HS	3.00	PRKUNaH 250/40%.983	538708	220, 60	1.26	no	141	110	165	86	71	3.3	> 0.90	EEL=A3	
400/40%	HS	4.45	PRKUNaH 400/40%.937	538709	220, 60	1.95	no	171	140	171	91	71	5.3	> 0.90	A2	

* Ballasts without CE marking for replacements or markets outside of the EU