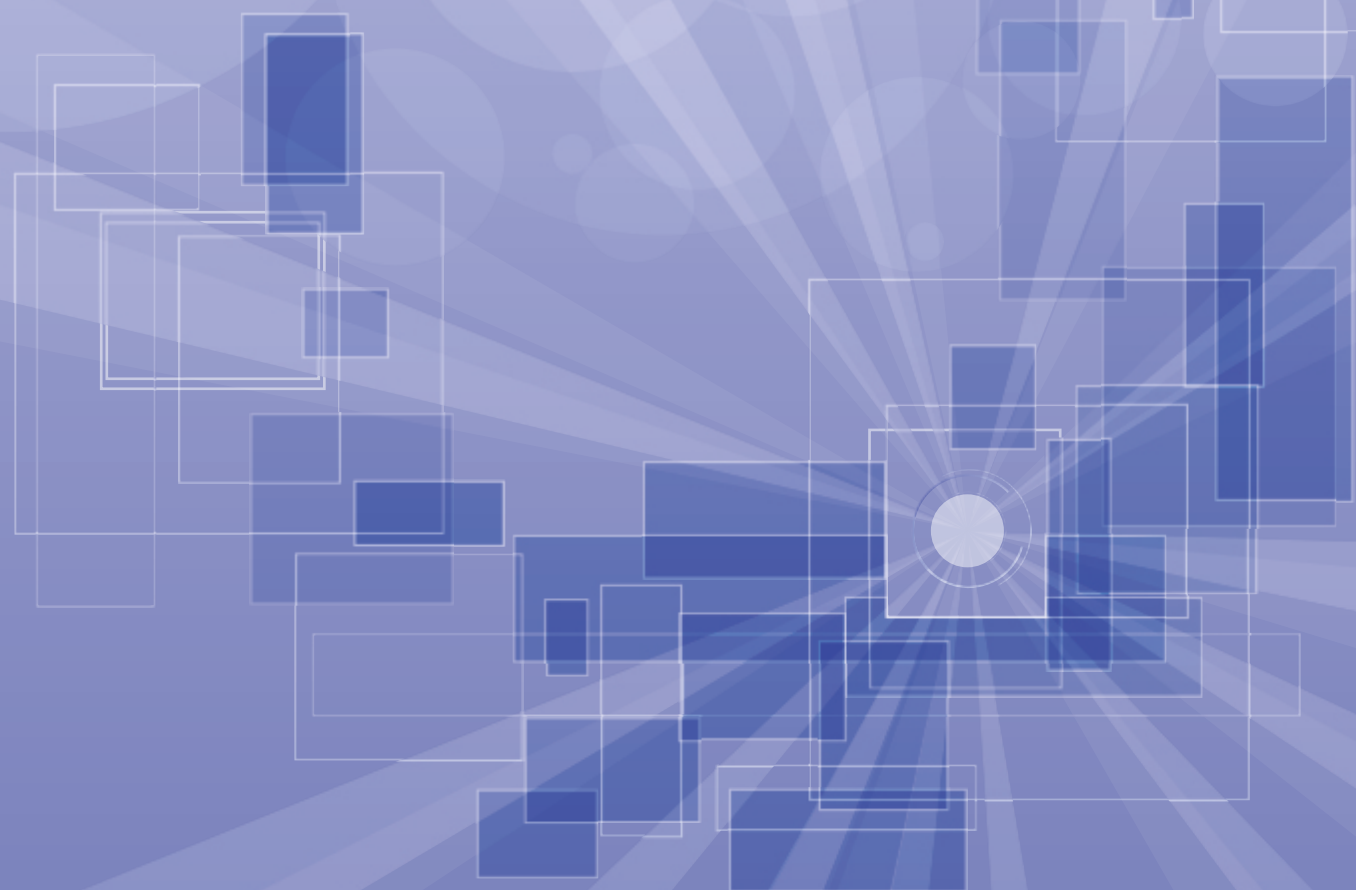




RELIABLE
DURABLE
FLEXIBLE



**COMPONENTS FOR
LIGHTING APPLICATIONS 2018**

CONTENTS

1. Electronic Superimposed Igniters ZRM for Igniting Lamps 35 - 3500W
2. Power Switches ZRM for Energy Savings in Street Lighting
3. High Efficient Ballasts for HS, HI and HM Lamps - A2
4. A2 Class II Ballasts for HS, HI and HM Lamps
5. A2 Ballasts for Power Reduction for HS Lamps
6. A2 Control Gear Units (Pulse Version) for Greenhouses
7. Special Application Ballasts for UV Lamps
8. Special Application & non EU Ballasts for Fluorescent and Compact Fluorescent Lamps
9. Special Application & non EU Ballasts for HS, HI and HM Lamps

1.

Electronic Superimposed Ignitors ZRM for Igniting Lamps 35 – 3500W

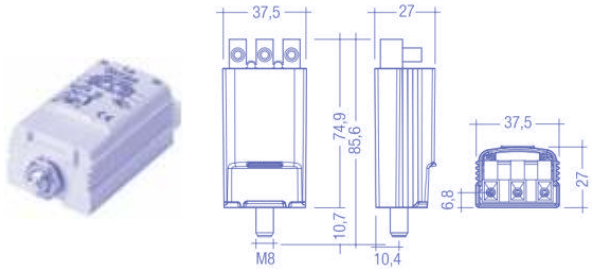


Figure 1

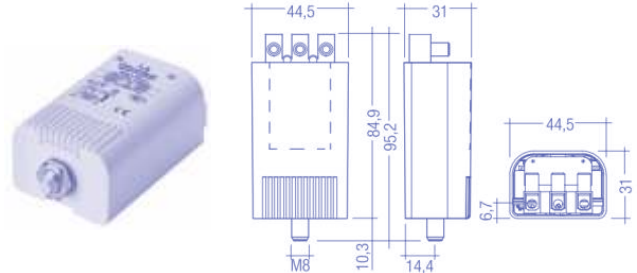


Figure 2

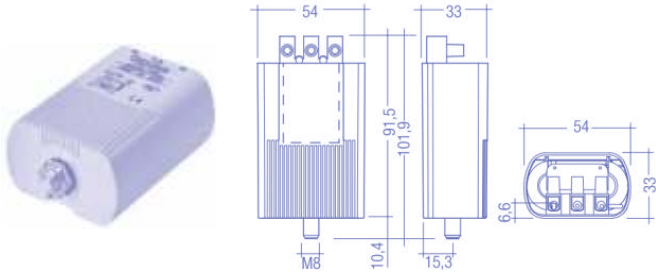


Figure 3

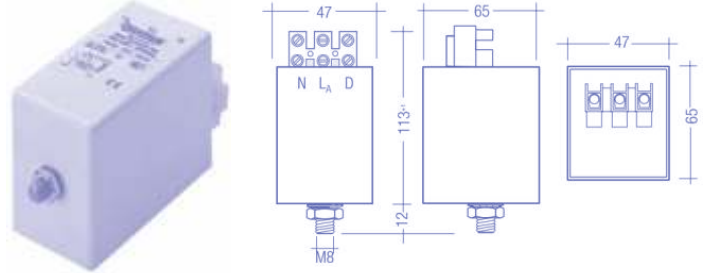


Figure 4

Plastic casing

Screw terminal 1-4 mm² (10mm²)

For luminaires of protection class I and II

Max. casing temperature 105°C

Low self - heating



Type	Order Number	Tridonic Old Article number	Figure	Max. lamp current	Max. Self-heating	Max. Losses	Ignition voltage	Lamp wattage		Permitted load cap.	Max. cable length to lamp (75 pF/m)	Weight	Approval	Packing	
								HS lamps	HI Lamps					Carton	Pallet
				A	K	W	KV	W	W	pF	m	kg		pcs	pcs
220/230/240V, 50/60Hz															
Standard ignitor															
ZRM 2-ES/C	12305	87500080	1	1	2.5	0.2	1.8 - 2.05	35 - 70 ¹⁾	70 ¹⁾	20 - 300	4	0.13	ENEC	50	4200
ZRM 2.5-ESC/	12306	87500081	1	3	27	2.1	4.0 - 5.0	70 - 250 ²⁾	35 - 250 ²⁾	20 - 100	1.5	0.13	ENEC	50	4200
ZRM 4.5- ES/C	12307	87500082	1	4.6	33.5	2.5	4.0 - 5.1	70 - 400 ²⁾	35 - 400 ²⁾	21 - 100	1.6	0.13	ENEC	50	4200
ZRM 6-ES/C	12308	87500083	2	5	22.2	2.4	4 - 5	70 - 600 ²⁾	35 - 400 ²⁾	20 - 100	1.5	0.21	ENEC	20	2340
ZRM 12-ES/C	12309	87500084	3	12.0	36.6	6.73	4 - 5	250 - 1000	250 - 1000	20 - 200	3	0.33	ENEC	20	1800
ZRM 20-ES/B	11515	20826280	4	20	26	5,9	3.5 - 5	1000	1000 - 2000	20 - 200	3	0.75	ENEC	15	360
Digital ignitor with timer															
ZRM 2-ES/CT	12310	87500085	1	1	2.5	0.2	1.8 - 2.05	35 - 70 ¹⁾	70 ¹⁾	20 - 300	4	0.13	ENEC	50	4200
ZRM 2.5-ES/CT	12311	87500086	1	3	27	2.1	4.0 - 5.0	70 - 250 ²⁾	35 - 250 ²⁾	20 - 100	1.5	0.13	ENEC	50	4200
ZRM 4.5-ES/CT	12312	87500087	1	4.6	33.5	2.5	4.0 - 5.1	70 - 400 ²⁾	35 - 400 ²⁾	21 - 100	1.6	0.13	ENEC	50	4200
ZRM 6-ES/CT	12313	87500088	2	5	22.2	2.4	4 - 5	70 - 600 ²⁾	35 - 400 ²⁾	20 - 100	1.5	0.21	ENEC	20	2340
ZRM 12-ES/CT	12314	87500089	3	12.0	36.6	6.73	4 - 5	250 - 1000	250 - 1000	20 - 200	3	0.33	ENEC	20	1800
380/400/415/420V, 50/60Hz															
Standard ignitor															
ZRM 6-ES/C 400	12319	87500094	2	6	21.8	2.33	4 - 5	600 - 750	-	20 - 100	1.5	0.21	ENEC	20	2340
ZRM 12-ES/C 400	12320	87500095	3	12.7	36.6	6.73	4 - 5	600 - 1000	1000 - 2000	20 - 200	3	0.33	ENEC	20	1800
ZRM 20-ES/B 400	11516	20826425	4	20	28	9.3	3.5 - 5	1000	1000 - 3500	20 - 200	3	0.75	ENEC	15	360

¹⁾ Only for HI and HS lamps with ignition voltage < 2.5 kV

²⁾ Only for HS lamps with ignition voltage 4 - 5 kV

2.

Power Switches ZRM for Energy Savings in Street Lighting

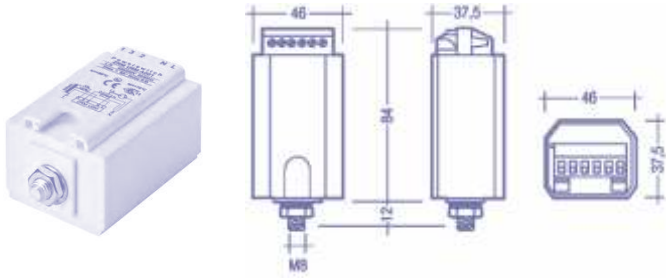


Figure 1

Plastic casing

Rated contact voltage: 250V

Rated contact current $\cos \phi = 0.5$: 6A

Rated contact current $\cos \phi = 1.0$: 16A

Screw terminal 0.75 – 4.0 mm²

For luminaires of protection class I and II

For switching impedance with tapped ballasts

Max. casing temperature: 80°C

Ambient temperature: -30°C to +70°C

Low self- heating



Type	Ord. No.	Tridonic Old Article Number	Figure	Needed Control Line	Max. Self Heating	Max. Losses	Max. Lamp wattage		Switching times	Switchover delay	Weight	Approval	Packing	
							HS lamps	HI lamps					Carton	Pallet
					°C	W	W	W		min	kg		pcs	pcs
220/230/240V, 50/60Hz														
Standard power switch														
ZRM U6L ³⁾	12301	87500039	1	Yes	8	<2.5	400	700	-	-	0.185	ENEC	40	2400
ZRM U6L/T ³⁾	12302	87500040	1	Yes	9.5	<3.2	400	700	-	5,5 ²⁾	0.185	ENEC	40	2400
Digital power switch without control phase														
ZRM U6M A001 ³⁾	12324	87500044	1	No	10	<2.5	400	700	3h before and 4h after midnight ¹⁾	10 ²⁾	0.23	ENEC	40	2400
ZRM U6M A003 ⁴⁾	12304	87500045	1	No	<5	<1.3	400	700	3h before and 4h after midnight ¹⁾	10 ²⁾	0.23	ENEC	40	2400

¹⁾ Can be reprogrammed in the installation at any time

²⁾ Integrated delay for lamp - friendly starting at 100 % level

³⁾ For magnetic ballasts

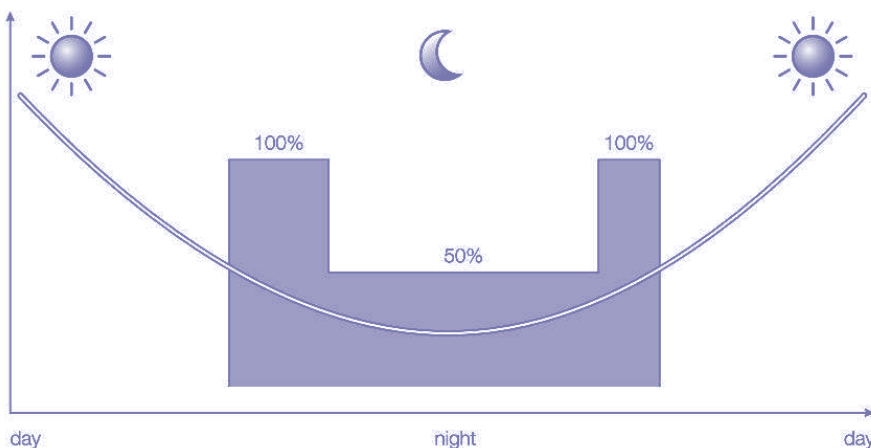
⁴⁾ For electronic ballasts

Features of digital power switch ZRM U6M

Automatic adjustment of switching times to natural light over different seasons.

Low investment costs thanks to internal clock - no need for a control line. ZRM U6M can therefore be used in new installations as well as to upgrade existing installations.

Switching times are set up centrally via the mains supply.



3. High Efficient Ballasts for HS, HI and HM Lamps - A2

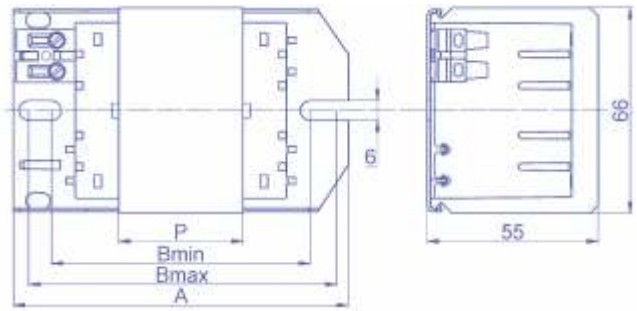


Figure H1

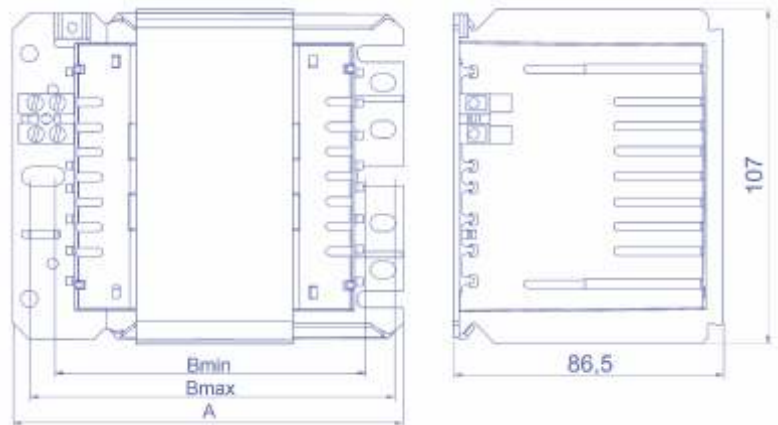


Figure H2

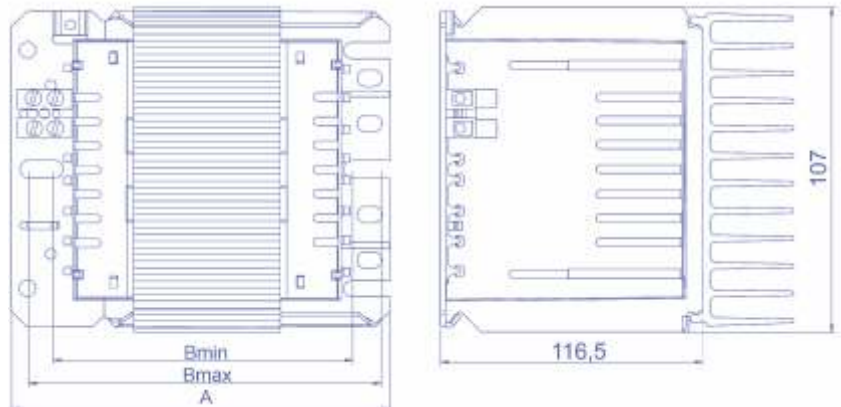


Figure H3

3. High Efficient Ballasts for HS, HI and HM Lamps - A2

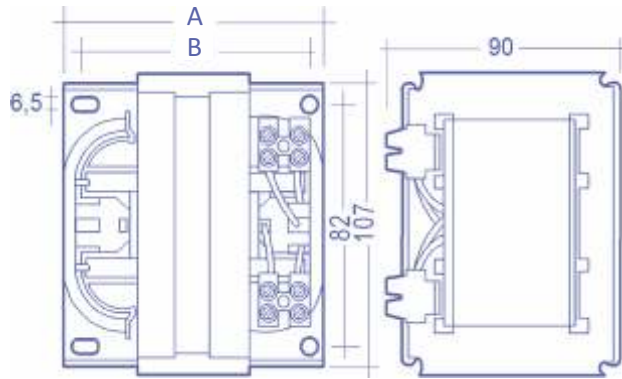


Figure H4

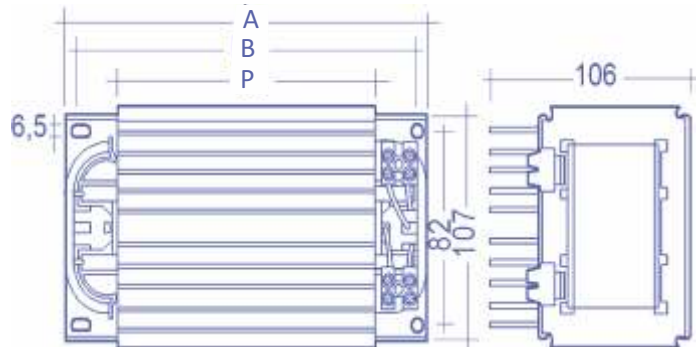


Figure H5

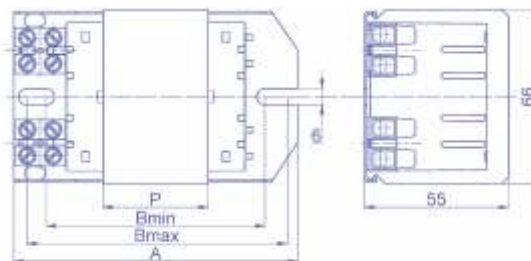


Figure H6

- CoreCross-Section: 55 x 66 mm
- 90 x 107 mm
- 86,5 x 107 mm
- 106 x 107 mm
- 116,5 x 107 mm



Vacuum impregnated with polyester resin
 Screw terminals: 1,5 – 2,5(6) mm²
 tw 130°C
 Protection class 1
 EN 60923, EN 61347

3. High Efficient Ballasts for HS, HI and HM Lamps - A2

Lamp			Ballast											Cap.
Power	Type	Current	Type	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	Ø	TS *1	Approval	Clk
W		A			V at 50 Hz		mm	mm	mm	kg	K			µF ±10%
50	HS	0.76	SXN 530-50 TS	12348	230	H1	108	85-100	42	1.30	45	yes	-	10
50	HS	0.76	SX 530-50 TS	10987	230	H1	125	100-118	64	1.90	45	yes	-	10
70	HI/HS	1.00	SITX 543-70 TS	10854	230/240	H6	125	100-115	64	1.90	45	yes	-	12
70	HI/HS	1.00	SITX 530-70 TS	9104	230	H1	125	100-115	64	1.83	50	yes	-	12
100	HI/HS	1.20	SITX 543-100 TS	10855	230/240	H6	125	100-115	64	1.90	55	yes	-	16
100	HI/HS	1.20	SITX 530-100 TS	9103	230	H1	125	100-115	64	1.80	55	yes	-	16
125	HM	1.15	MTX 530-125 TS	9105	230	H1	125	100-115	64	1.83	50	yes	-	12
150	HI/HS	1.80	SITX 530-150 TS	10686	230	H1	180	155-172	110	3.10	45	yes	-	20
150	HI/HS	1.80	OGLIS 150W 30 230-250/50 030A084 TP	11015	230-250	H4	84	70	30	2.51	60	yes	ENEC	20
250	HI/HM	2.15	MI 530-250	7718	230	H1	145	121-138	75	2.20	75	no	ENEC	18
250	HI/HM	2.15	MI 530-250 TS	7720	230	H1	145	121-138	75	1.20	75	yes	ENEC	18
250	HI/HM	2.15	MIC 530-250	8792	230	H1	145	121-138	85	2.32	65	no	-	18
250	HM/HS	2.15	OGL 250W 30 220-240/50 030A084	11007	220-240	H4	84	70	30	2.47	65	no	ENEC	18
250	HI/HS	3.00	OGLIS 250W 40 230-250/50 040A094	11011	230-250	H4	94	80	40	3.11	70	no	ENEC	32
250	HI/HS	3.00	SIB 530-250 TS	10872	230	H2	115	100-107	45	3.50	75	yes	ENEC	32
250	HI/HS	3.00	OGLIS 250W 60 230-250/50 060A114 TP	11052	230-250	H4	114	100	60	4.36	50	yes	-	32
250	HI/HS	3.00	OGLIS 250W 40 230/50 040A094	11002	230	H4	94	80	40	3.04	70	no	ENEC	32
250	HI/HS	3.00	SIBX 530-250 TS	10985	230	H2	125	100-117	45	3.50	65	yes	-	32
250	HS	3.00/1.80	OGLS 250/150C023W 230/240/50 060A11	11095	230-240	H4	114	100	60	4.16	70/35	yes	ENEC	32
250	HI/HS	3.00	OGLIS 250W 40 230-250/50 040A094 TP	11013	230-250	H4	94	80	40	3.12	70	yes	ENEC	32
250	HI/HS	3.00	SIB 530-250	9305	230	H2	125	100-117	45	3.50	75	no	ENEC	32
250/150	HS	3.00/1.80	OGLS 250/150W 60 230-240/50 060A114	11027	230-240	H4	114	100	60	4.16	70/35	no	ENEC	32
400	HI/HS	4.20-4.60	OGLS 400W 60 230-250/50 060A114 TP	11022	230-250	H4	114	100	60	4.27	80	yes	ENEC	50
400	HM	3.25	OGL 400W 40 220-240/50 040A094	11008	220-240	H4	94	80	40	3.50	75	no	ENEC	25
400/250	HS	4.40-4.60/3.00	OGLS 400/250W 80 230/50 080A134	11018	230	H4	134	120	80	5.39	60/40	no	ENEC	50
400	HI	3.50	OGLI 400W 50 220-240/50 050A104	11001	220-240	H4	104	90	50	3.68	60/55	no	ENEC	30
400	HI/HS	4.45	SIB 530-400 TS	9730	230	H2	150	120-137	70	5.16	75	yes	ENEC	45
400	HI/HM	3.25	MI 530-400	7719	230	H1	180	155-172	110	3.10	85	yes	ENEC	35
400	HI/HS	4.20-4.60	OGLS 400W 60 230/50 060A114	11003	230	H4	114	100	60	4.27	75	no	ENEC	50
400	HI/HS	4.40-4.60/3.50	OGLIS 400W 80 230/240/50 080A134 TP	11049	230/240	H4	134	120	80	5.46	65/40	yes	ENEC	45
400	HI/HS	4.20-4.60	OGLS 400W 60 220-240/50 060A114	11010	220-240	H4	114	100	60	4.26	75	no	ENEC	50
400	HI/HS	4.45	SIB 530-400	9306	230	H2	150	120-137	70	5.08	75	no	ENEC	45
400	HI/HM	3.25	MI 530-400 TS	7721	230	H1	180	155-172	110	3.10	75	yes	ENEC	35
400	HI/HS	4.20-4.60	OGLS 400 E023W 230-250/50 100A154	11058	230-250	H4	154	140	100	6.62	55	yes	ENEC	50
400	HI	3.50	OGLI 400W 50 230-250/50 050A104 TP	11014	230-250	H4	104	90	50	3.71	66/55	yes	ENEC	35
400	HI/HS	4.20-4.60	OGLS 400W 60 220-240/50 060A114 TP	11030	220-240	H4	114	100	60	4.24	75	yes	ENEC	50
600	HS	6.20	OGLS 600W 100 220-240/50 100A154 T	11041	220-240	H4	154	140	100	6.69	65/55	yes	ENEC	60
600/750	HS	3.60/4.50	OGLS 600/750 A125W 390/400V 50HZ	11078	390/400	H4	154	140	80	6.65	85/60	yes	-	20
600	HS	6.20	SB 530-600	9307	230	H2	175	150-167	95	6.85	75	no	ENEC	65
600	HS	6.20	OGLS 600 PC022K 220/230/50 100A154	11089	220-230	H4	154	140	100	6.30	65/55	no	-	60
600	HS	3.60	OGLS 600 A026W 380-415/50 080A134	11088	380-415	H4	134	120	80	5.52	75	yes	-	20
600	HS	6.20	OGLS 600W 100 220-240/50 100A154	11017	220-240	H4	154	140	100	6.72	65/55	no	ENEC	60
600	HS	6.20	SB 543-600	9888	230/240	H2	235	150-167	150	6.95	80	no	-	65
600	HS	6.20	SB 543-600	9853	230/240	H2	235	150-167	150	6.95	80	no	-	65
600	HS	3.60	S 5400-600	9751	400	H2	175	150-167	125	6.85	65	no	-	20
700/400	HM	5.40/3.25	OGL 700/400W 80 230/50 080A134	11029	230	H4	134	120	80	5.58	70/40	no	ENEC	40
700	HM	5.40	M 530-700	10660	230	H2	175	150-167	95	6.85	65	no	-	40
700	HM	5.40	OGL 700W 80 220-240/50 080A134	11004	220-240	H4	134	120	80	5.42	60	no	ENEC	40
750	HS	4.40	S 5400-750	10303	400	H2	175	150-167	125	6.85	85	no	-	20

3. High Efficient Ballasts for HS, HI and HM Lamps - A2

Lamp Power	Type	Current	Ballast Type	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	Dt	TS *1	Approval	Cap.
W		A			V at 50 Hz		mm	mm	mm	kg	K			μF ±10%
1000	HI/HM	7.50	MI 530-1000 TS	9732	230	H2	210	185-200	125	8.92	65	yes	-	75
1000	HI/HM	8.20/7.50	MI 530-1000	9556	230	H2	210	185-200	125	8.92	65	no	-	75
1000	HM	7.50	M 530-1000	9432	230	H2	175	150-167	95	6.85	75	no	-	60
1000	HI/HS	9.50/10.30	SIH 530-1000	9334	230	H3	210	185-200	125	9.27	70	no	ENEC	100
1000	HI/HS	9.50/10.30	SI 530-1000	9308	230	H2	235	210-225	150	10.45	75	no	-	100
1000	HI	9.50	I 530-1000	9812	230	H2	210	185-200	125	8.81	75	no	-	85
1000	HM	7.50	M 543-1000	9856	230/240	H2	175	185-200	95	6.85	75	no	-	75
1000	HI/HS	10.30/9.30/8.25	OGLIS 1000PC023W 230/240/50 180B234HL	11061	220-240	H5	180	220	120	12.00	75/65/55	yes	ENEC	85
1000	HM/HI	7.50/8.25	OGL 1000W 120 220-240/50 120B174	11006	220-240	H5	174	160	120	7.84	55/70	no	ENEC	60
1000	HI/HS	10.30/9.30/8.25	OGLIS 1000 C004K 220-250/50/60 180	11055	220-250	H4	234	220	180	11.30	70/65/55	no	ENEC	85
1000	HI/HS	10.30/9.30/8.25	OGLIS 1000W 140 220-240/50 140B194	11009	220-240	H5	194	180	140	9.35	70/65/55	no	ENEC	85
1000	HI/HS	10.30/9.30	OGLIS 1000W 140 230-250/50 140B194	11019	230-250	H5	194	180	140	9.05	80	no	ENEC	85
1000	HI/HS	10.30/9.30/8.25	OGLIS 1000PC023W 230/240/50 180B234	11059	230/240	H4	234	220	180	12.00	75/65/55	yes	-	85
1000	HI/HS	10.30/9.30/8.25	OGLIS 1000 A024W 220-240/50 140A194	11060	220-240	H5	194	180	140	9.35	70/65/55	yes	ENEC	85
1000	HI/HS	8.20/10.30	SIH 543-1000	9852	230/240	H5	235	185-200	150	10.40	80	no	-	85
2000	HI	9.60-10.30-10.50-11.30	OGLI 2000PC027K 360-400/50 210B268V	11084	360-400	H5	268	254	210	13.54	75/80/80/90	no	-	60
1500	HI	6.80	OGLI 1500PB025K 380-415/50 160B214	11082	380-415	H4	214	200	160	10.14	75	no	-	32
2000	HI	8.80	OGLI 2000/8,8 C005K 380-420/50 180A	11056	380-420	H4	234	220	180	11.60	70	no	-	37
2000	HI	8.80	I 5400-2000/8.8	10643	400	H2	295	270-287	210	14.90	75	no	-	37
2000	HI	10.30	IH 5400-2000	9309	400	H3	295	270-287	210	14.90	75	no	ENEC	60
2000	HI	10.30	IH 5400-2000-12,2A	10938	400	H3	295	340-357	210	19.30	80	no	-	75
2000	HI	8.80	OGLI 2000W 160 380-415/50 160B214	11005	380-415	H5	214	200	160	10.62	80	no	-	37
2000	HI	9.60-10.30-10.50-11.30	OGLI 2000 C027K 360-415/50 210B268V	11067	360-415	H5	268	254	210	13.54	75/80/80/90	no	-	37
2000	HI	10.30-11.30	OGLI 2000 PC026K 380/400/50 210B26	11083	380-400	H5	268	254	210	13.54	70/85	no	-	60
2000	HI	10.30	OGLI 2000W 180 380-415/50 180B234HL	11062	380-415	H5	180	220	180	11.65	80	no	-	60
2000	HI	10.30	OGLI 2000W 180 380-415/50 180B234	11021	380-415	H5	234	220	180	11.69	80	no	-	60
2000	HI	10.30-11.30	OGLI 2000 PC026K 380/400/415/50	11551	380/400/415	H5	268	254	210	13.54	70/90	no	-	60
2000	HI	8.80	OGLI 2000W 160 380-415/50 160B214VG	11012	380-415	H5	214	200	160	10.65	80	no	-	37
2000	HI	10.30	OGLI 2000W 210 380-420/50 210B268HL	11042	380-420	H5	268	254	210	13.54	80	no	ENEC	60
2000/2	HI	10.30	OGLI 1/2 2000W 120 380-415/50 120B1	11025	380-415	H5	174	160	120	7.83	65	no	-	60
2000	HI	10.30	OGLI 2000W 180 380-415/50 180B234VG	11023	380-415	H5	234	220	180	11.70	80	no	-	60
2000	HI	8.80	OGLI 2000W 160 380-415/50 160B214HL	11063	380-415	H5	214	200	160	10.00	80	no	-	37
2000	HI	12.20	IH 5415-2000-12,2A	10940	415	H3	295	340-357	210	14.90	80	no	-	75
2000	HI	10.30	IH 5415-2000	10204	415	H6	295	270-287	210	14.90	75	no	-	60
3500/2	HI	18.00	OGLI 1/2 3500W 180 380-415/50 180B2	11028	380-415	H5	234	220	180	11.65	80	no	-	10

*1 Thermal protection

4.

A2 Class II Ballasts for HS, HI and HM Lamps

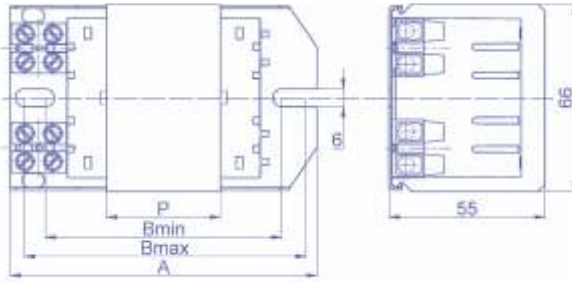


Figure 1

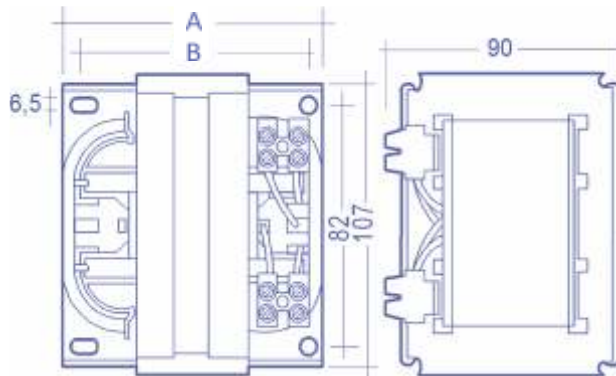


Figure 2

**Core Cross-Section: 55 x 66 mm
90 x 107 mm**



Vacuum impregnated with polyester resin

Screw terminals: 1,5 – 4 mm²

tw 130°C

Protection class 2

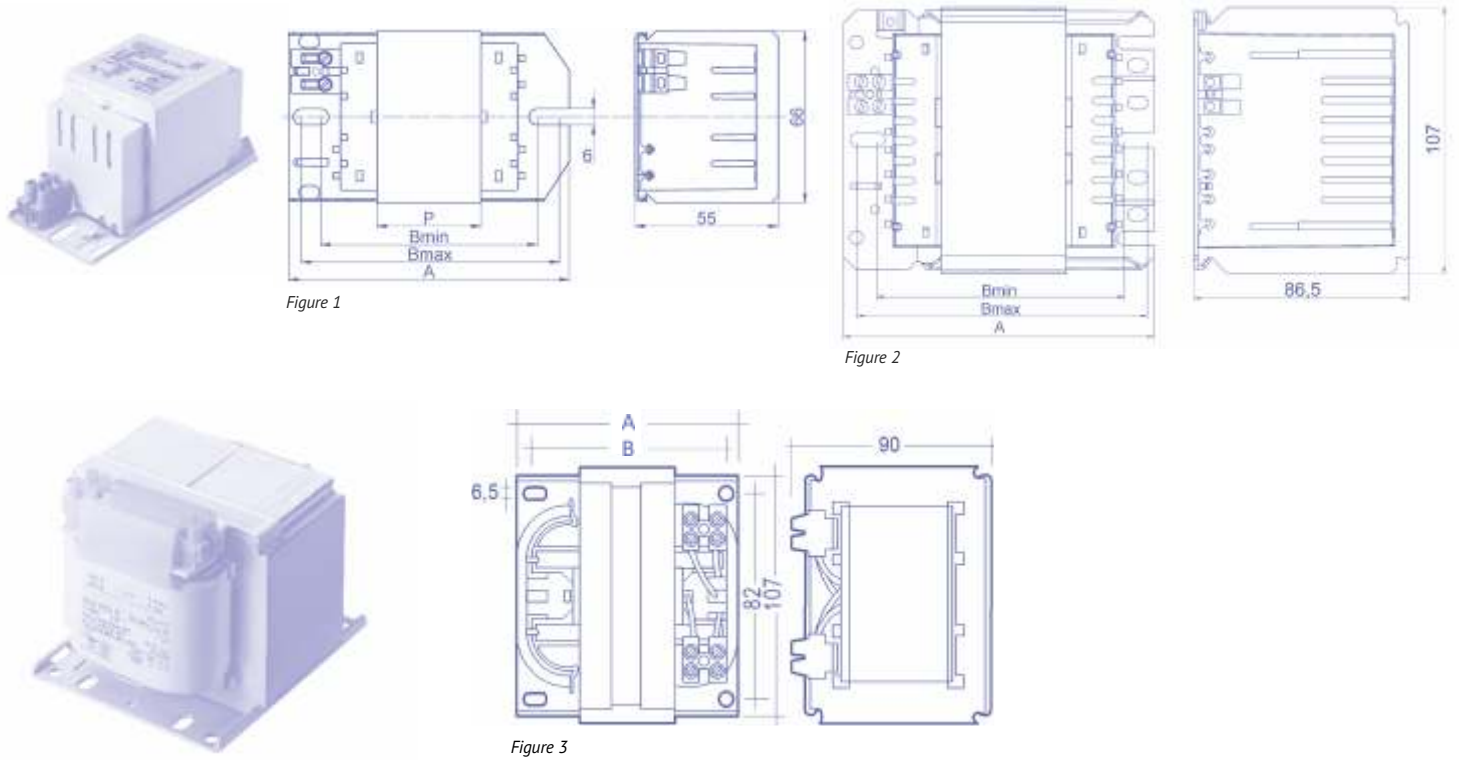
(reinforced insulation, inversible fuse)

EN 60923, EN 61347

Lamp Power	Type	Current	Ballast Type	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	D _t	TS ^{*1}	EEL	Approval	Cap. C _k
W		A			V at 50 Hz		mm	mm	mm	kg	K				μF ±10%
70	HI/HS	1.00	SIC2 543-70 TS A2	12371	230/240	1	125	100-115	60	1.70	45	yes	A2	-	12
100	HI/HS	1.20	SIC2 543-100 TS A2	12370	230/240	1	125	100-115	60	1.70	55	yes	A2	-	16
100/70	HI/HS	1.20/1.00	SIC2 530-100/70 TS	10750	230	1	145	121-138	60	1.76	60	yes	A2	-	16
125/80	HM	1.15/0.80	MC2 530-125/80 TS	10853	230	1	108	83-100	38	1.19	75/50	yes	A2	-	12
150/100	HS/HI	1.80-1.20	OGLS 150/100 C201D 230V/50HZ	12373	230	2	94	76-84	40	3.15	40	yes	A2	-	20
150	HI/HS	1.80	SIC2 543-150 TS	10756	230/240	1	145	121-138	81	2.30	60	yes	A2	-	20
100/150	HI/HS	1.80/1.20	SIC2 530-150/100 TS	10751	230	1	145	121-138	81	1.18	65	yes	A2	-	20
250	HI/HS	3.00	OGLS 250W 40 220-240/50 040A094 C2	11564	220-240	2	94	80	40	3.13	70	yes	A2	-	32
250	HI/HS	3.00	OGLIS 250 C303D 230-250/50 040A094	11073	230-250	2	94	80	40	3.15	70	yes	A2	ENEC	32
250	HI/HS	3.00	OGLIS 250 C203D 230-250/50 040A094	11071	230-250	2	94	80	40	3.15	70	yes	A2	ENEC	32
400	HI/HS	4.20-4.60	OGLS 400W 60 220-240/50 060A114 C2	11563	220-240	2	114	100	60	4.28	75	yes	A2	-	50
400	HI/HS	4.20-4.60	OGLS 400 C203D 230-250/50 060A114C2	11072	230-250	2	114	100	60	4.35	80	no	A2	ENEC	50
400	HI/HS	4.20-4.60	OGLS 400 C303D 230-250/50 060A114	11074	230-250	2	114	100	60	4.35	80	no	A2	ENEC	50

*1 Thermal protection

5. A2 Ballasts for Power Reduction for HS Lamps



CoreCross-Section: 55 x 66 mm
86,5 x 107 mm
90 x 107 mm

CE

Vacuum impregnated with polyester resin
 Screw terminals: 1,5 – 2,5(6) mm²
 tw 130°C
 Protection class 2
 EN 60923, EN 61347

Lamp Power	Type	Current	F ^{*2}	Ballast Type	Ord. No.	Figure	A	B _{min} -B _{max}	P	Weight	Dt	TS ^{*1}	EEI	Approval	Cap. Ck
W		A					mm	mm	mm	kg	K				µF ±10%
230V, 50Hz															
100/100R	HS	1.20/1.00	100/50	SIR 530-100/70 TS	9085	1	125	100-115	64	1.84	60	yes	A2	-	16
100/100R	HS	1.20/1.00	100/50	SIR 530-100/70	8962	1	125	100-115	64	1.84	60	no	A2	-	16
150/150R	HS	1.80/1.45	100/50	SIBR 530-150/100	12374	2	150	120-137	70	5.16	40	no	A2	-	20
150/150R	HI/HM	1.80/1.44	100/50	SIR 530-150/100 TS	12365	1	180	155-172	120	3.10	50	yes	A2	-	20
250/250R	HI/HS	3.00/2.50	100/50	SIBR 530-250/150 TS	12364	2	150	120-137	70	5.16	55	yes	A2	-	20
250/250R	HS	3.00	100/50	OGLSU 250W ST50% 230/240/50 050A104	11065	3	104	90	50	3.70	65	yes	A2	ENEC	32
400/400R	HI/HS	4.45/2.40	100/50	SIBR 530-400/250 TS	10901	2	150	120-137	70	5.16	75	yes	A2	-	32
400/400R	HI/HS	4.45/2.40	100/50	SIBR 530-400/250	10877	2	150	120-137	70	5.16	75	no	A2	-	32
400/400R	HS	4.60	100/50	OGLSU 400W ST50% 230/240/50 080A134	11077	3	134	120	80	5.48	65	yes	A2	ENEC	50

^{*1} Thermal protection
^{*2} R - reduced operation
^{*3} F - luminous flux

6. Control Gear Units (Pulse Version) for Greenhouses

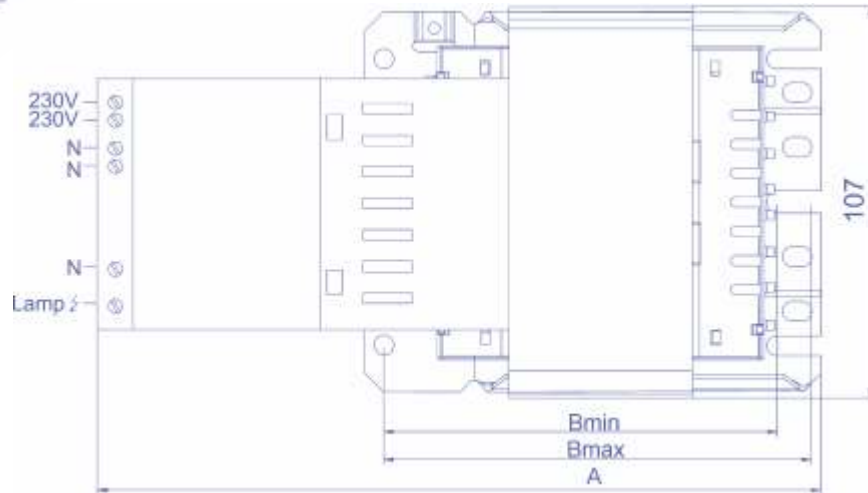


Figure H8

Shape: 86,5x107 mm

For high pressure sodium (HS) lamps

Built-in ballast, ignitor and compensation capacitor

As individual components no longer need

to be wired, there is a significant reduction in assembly time and costs

Easier replacing of spare parts (two units separately)

tw 130

Push-in terminals: 0.75–2.5 mm²

Lamp distance <20m

EN 61347, EN 60923

Further outputs and voltages on request



Lamp			Control gear									System		
Output	Type	Current	Type	Ord. No.	Figure	A	B _{min}	B _{max}	D _t	EEL	Weight	Mains current	Start current	Power factor
W		A				mm	mm	mm	K		kg	A	A	
230V, 50Hz														
250	HS	3.00	SB KIT 530-250	10846	H8	193	111	120	75	A2	3.75	0.35	max. 1.8	>0.90
400	HS	4.45	SB KIT 530-400	9354	H8	218	131	140	75	A2	5.50	2.44	max. 3.5	>0.90
600	HS	6.20	SB KIT 530-600	9323	H8	243	156	165	75	A2	7.20	3.20	max. 4.8	>0.90
230V, 50Hz Aluminium winding														
600	HS	6.20	SBA-KIT 530-600	10687	H8	175	156	165	75	A2	6.80	3.20	max. 4.8	>0.90

7. Special Application Ballasts for Fluorescent UV Lamps

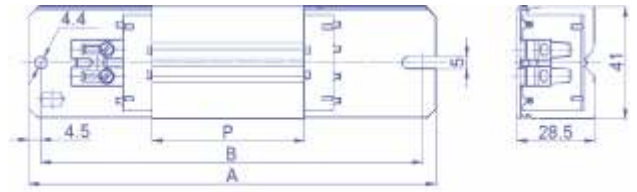


Figure F1

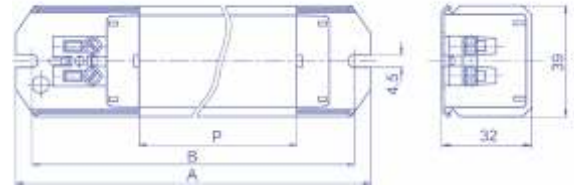


Figure F2

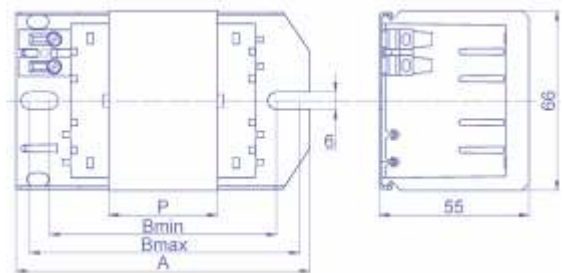


Figure H1

CoreCross-Section: 32x39 mm
28.5x41 mm
66x55 mm



Vacuum impregnated with polyester resin

Screwless terminals: 0,5 – 1,5mm²

Screw terminals: 0,5 – 2,5mm²

tw 130°C

Protection class 1

EN 60921, EN 61347

Lamp Power	Type	Current	Ballast Type	Ord. No.	Figure	A	B	P	Weight	Dt	Approval	Cap. Ck
W		A				mm	mm	mm	kg	K		μF ±10%
230V, 50Hz												
25	T8/T12	0.29	DW 5325	9495	F1	150	140	60	0.46	45	-	4
80	T12	0.87	DW 530-80	6127	F1	190	180	100	0.89	75	-	10
100	T12	0.98	DW 530-100	5984	F1	190	180	100	0.89	75	-	10
100	T12	0.98	DW 530-100	6125	F1	190	180	100	0.8786	75	-	10
100	T12	0.98	DW 530-100	10788	F1	178	180	100	0.88	70	ENEC	10
140	T12	1.50	DFX 530-140	7780	F2	235	220	155	1.47	85	-	18
140	T12	1.50	UV 530-140	10798	H1	145	120	64	2.20	75	-	18
160	T12	1.50	UV 530-160	7776	H1	145	120	64	2.20	70	ENEC	18
160	T12	1.50	DFX 530-160	7768	F2	235	220	155	1.47	85	-	18
180	T12	1.72	UV 530-180	7777	H1	145	120	75	2.20	75	ENEC	-
180	T12	1.50	UV 530-180	10791	H1	145	125	75	2.10	70	ENEC	-
200	T12	1.80	UV 530-200	8788	H1	145	125	75	2.20	85	ENEC	-
225	T12	2.15	UV 530-225	8789	H1	145	120	75	2.20	85	ENEC	-
400	UV/HI/HM	3.40/3.40/3.25	UV 530-400	9615	H1	180	115	110	3.10	85	-	-
220V, 60Hz												
80	T12	0.87	DW 620-80	6135	F1	178	180	100	0.89	75	-	10
100	T12	0.98	DW 620-100	6134	F1	178	180	100	0.89	75	-	10
160	T12	1.50	UV 620-160	8797	H1	145	125	64	1.90	75	-	18
160	T12	1.50	DFT 620-160	7729	F2	235	220	155	1.47	85	ENEC	18
180	T12	1.50	UV 620-180	7778	H1	145	120	75	1.995	75	-	-
180	T12	1.50	DFT 620-180	7763	F2	235	220	155	1.47	75	-	18
200	T12	1.80	UV 620-200	9197	H1	145	125	75	2.20	85	-	-
400	UV/HI/HM	3.40/3.40/3.25	UV 620-400	8796	H1	180	155	110	3.10	85	-	-
230V, 60Hz												
400	UV/HI/HM	3.40/3.40/3.25	UV 630-400	9009	H1	180	155	110	3.10	80	-	-

8. Special Application & non EU Ballasts for Fluorescent and Compact Fluorescent Lamps

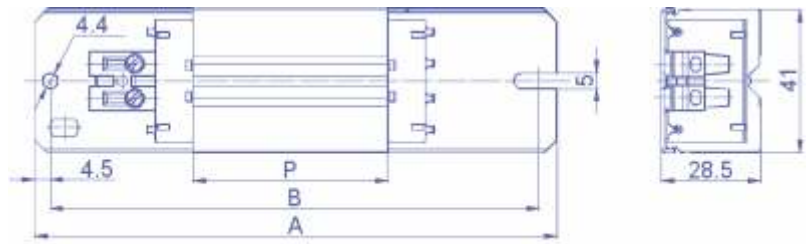


Figure F1

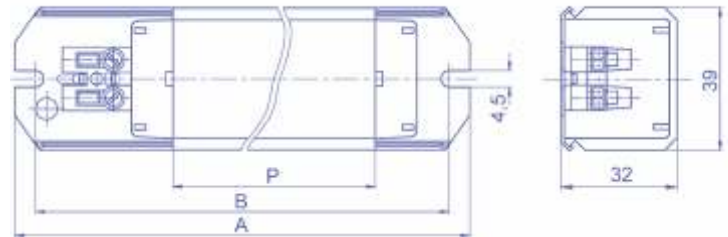


Figure F2

**CoreCross-Section: 32x39 mm
29x41 mm**

Vacuum impregnated with polyester resin
Screwless terminals: 0,5 – 1,5 mm²
tw 130°C

Protection class 1

EN 60921, EN 61347

CE valid only for special app. ballasts

Lamp Power W	Type	Current A	Ballast Type	Ord. No.	Figure	A mm	B mm	P mm	Weight kg	Δt / Δta K	Cap. Cp μF ±10%
230V, 50Hz											
4	T5	0.170	DFX 530-4/6/8	9143	F2	85	75	31	0.34	50/75	2.0
5	TCS	0.180	DFX 530-5/7/9/11	7731	F2	85	75	31	0.34	55/75	2.0
6	T5	0.160	DFX 530-4/6/8	9143	F2	85	75	31	0.34	50/75	2.0
7	TCS	0.175	DFX 530-5/7/9/11	7731	F2	85	75	31	0.34	55/75	2.0
8	T5	0.145	DFX 530-4/6/8	9143	F2	85	75	31	0.34	50/75	2.0
8	T5	0.145	DFX 530-10/13	7732	F2	85	75	31	0.33	55/90	2.0
9	TCS	0.170	DFX 530-5/7/9/11	7731	F2	85	75	31	0.34	55/75	2.0
10	T8 / TC-D	0.175	DFX 530-10/13	7732	F2	85	75	31	0.33	55/90	2.0
11	TCS	0.155	DFX 530-5/7/9/11	7731	F2	85	75	31	0.34	55/75	2.0
13	T5 / TC-D	0.175	DFX 530-10/13	7732	F2	85	75	31	0.33	55/90	2.0
15	T8	0.330	DW 5315	9459	F1	150	140	60	0.55	55/90	3.5
15	T8	0.330	DFX 5315	7743	F2	150	140	52	0.54	55/95	3.5
2 x 15	T8	0.300	DFX 5330	7747	F2	150	140	63	0.63	50/120	4.5
2 x 15	T8	0.300	DW 5330	9460	F1	150	140	60	0.56	55/120	4.5
16	T8 / TC-DD	0.200	DFX 5316	7744	F2	115	105	47	0.48	35/70	2.0
18	TC-D	0.220	DFX 530-18	7727	F2	110	100	47	0.47	50/120	2.0
18	T8 / TC-L / TC-F	0.370	DW 5318	6129	F1	150	140	60	0.56	55/85	4.5
18	T8 / TC-L / TC-F	0.370	DFX 5318	7752	F2	150	140	63	0.64	60/100	4.5
2 x 18	T8 / TC-L	0.370	DW 5336	6131	F1	150	140	60	0.56	50/135	4.0
2 x 18	T8 / TC-L	0.370	DFX 530-218	7724	F2	150	140	52	0.54	55/145	4.0
22	T-R	0.400	DW 5322	9435	F1	150	140	60	0.56	65/120	5.0
22	T-R	0.400	DFX 5322	7745	F2	150	140	63	0.63	55/120	5.0
24	TC-F / TC-L	0.345	DW 5318	6129	F1	150	140	60	0.56	55/85	4.5
24	TC-F / TC-L	0.345	DFX 5318	7752	F2	150	140	63	0.64	60/100	4.5
25	T8	0.290	DFX 5325	7746	F2	150	140	52	0.54	50/100	4.0
26	TC-D	0.315	DW 5318	6129	F1	150	140	60	0.56	55/85	3.5
26	TC-D	0.315	DFX 5318	7752	F2	150	140	63	0.64	60/100	4.5
26	TC-D	0.315	DFX 530-26	7728	F2	150	140	52	0.52	50/140	3.5
28	TC-DD	0.320	DW 5318	6129	F1	150	140	60	0.56	55/85	3.5
30	T8	0.365	DW 5330	9460	F1	150	140	60	0.56	55/120	4.5
30	T8	0.365	DFX 5330	7747	F2	150	140	63	0.63	50/120	4.5
32	T-R	0.450	DFX 5332	7748	F2	150	140	63	0.64	55/135	5.0

8.

Special Application & non EU Ballasts for Fluorescent and Compact Fluorescent Lamps

Lamp			Ballast								Cap.
Power	Type	Current	Type	Ord. No.	Figure	A	B	P	Weight	$\Delta t / \Delta t_a$	Cp
W		A				mm	mm	mm	kg	K	$\mu F \pm 10\%$
36	TC-L / T8 / TC-F / T-U	0.430	DW 5336	6131	F1	150	140	60	0.56	50/135	4.5
36	TC-L / T8 / TC-F / T-U	0.430	DFX 5336	7725	F2	150	140	63	0.64	50/135	4.5
58 / 65	T8 / T-U / T12	0.670	DW 5358	6133	F1	190	180	100	0.89	50/135	70
58 / 65	T8 / T-U / T12	0.670	DFE 5358	9296	F2	235	220	155	1.47	45/90	70
240V, 50Hz											
4	T5	0.170	DFX 540-4/6/8	9149	F2	85	75	31	0.34	55/80	2.0
6	T5	0.160	DFX 540-4/6/8	9149	F2	85	75	31	0.34	55/80	2.0
8	T5	0.145	DFX 540-4/6/8	9149	F2	85	75	31	0.34	55/80	2.0
15	T8	0.330	DW 5415	9466	F1	150	140	60	0.56	50/85	4.5
2 x 15	T8	0.300	DW 5430	9467	F1	150	140	60	0.56	60/135	4.5
18	T8 / TC-L / TC-F	0.370	DW 5418	9152	F1	150	140	60	0.56	55/90	4.5
18	T8 / TC-L / TC-F	0.370	DWT 5418	9464	F1	150	140	60	0.56	60/100	4.5
24	TC-F / TC-L	0.345	DW 5418	9152	F1	150	140	60	0.56	55/90	4.5
24	TC-F / TC-L	0.345	DWT 5418	9464	F1	150	140	60	0.56	60/100	4.5
26	TC-D	0.315	DW 5418	9152	F1	150	140	60	0.56	55/90	3.5
28	TC-DD	0.320	DW 5418	9152	F1	150	140	60	0.56	55/90	3.5
28	TC-DD	0.320	DWT 5418	9464	F1	150	140	60	0.56	60/100	3.5
30	T8	0.365	DW 5430	9467	F1	150	140	60	0.56	60/135	4.5
36	TC-L / T8 / TC-F / T-U	0.430	DW 5436	9042	F1	150	140	60	0.56	55/155	4.5
36	TC-L / T8 / TC-F / T-U	0.430	DWC 5436	9465	F1	150	140	60	0.56	65/165	4.5
58 / 65	T8 / T-U / T12	0.670	DW 5458	9135	F1	190	180	100	0.89	55/145	70
220V, 50Hz											
2 x 5	TC-S	0.180	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
2 x 6	T5	0.160	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
2 x 7	TC-S	0.175	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
8	T5	0.145	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
2 x 9	TC-S	0.170	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
10	T8 / TC-D	0.175	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
13	T5 / TC-D	0.175	DFX 520-10/13	9174	F2	85	75	31	0.33	55/90	2.0
18	TC-D	0.220	DFX 520-18	8956	F2	110	100	47	0.45	50/120	2.0
18 / 20	T8 / TC-L / TC-F / T12	0.370	DFX 5218	7797	F2	150	140	52	0.54	60/95	4.5
24	TC-F / TC-L	0.345	DFX 5218	7797	F2	150	140	52	0.54	60/95	4.5
26	TC-D	0.315	DFX 520-26	8047	F2	110	100	47	0.48	55/155	4.0
26	TC-D	0.315	DFX 5218	7797	F2	150	140	52	0.54	60/95	4.0
28	TC-DD	0.320	DFX 5218	7797	F2	150	140	52	0.54	60/95	4.0
58 / 65	T8 / T-U / T12	0.670	DFX 5258	7798	F2	190	180	100	0.98	55/150	70
220V, 60Hz											
18	TC-D	0.220	DFX 620-18	9499	F2	110	100	47	0.48	50/110	2.0
2 x 18	T8 / TC-L / T8	0.370	DFX 620-218	7751	F2	150	140	47	0.48	55/145	4.0
2 x 18	T8 / TC-L / T8	0.370	DFX 6236	7749	F2	150	140	47	0.50	65/150	4.0
26	TC-D	0.315	DFX 620-26	8955	F2	110	100	47	0.48	55/120	4.0
30	T8	0.365	DFX 6230	8953	F2	150	140	47	0.48	55/125	4.5
36 / 40	TC-L / T8 / TC-F / T-U / T12	0.430	DFX 6236	7749	F2	150	140	52	0.50	55/150	4.5
58 / 65	T8 / T-U / T12	0.670	DW 6258	9463	F1	190	180	100	0.89	55/145	70
58 / 65	T8 / T-U / T12	0.670	DFX 6258	8954	F2	190	180	100	0.98	55/150	70

9.

Special Application & non EU HID Ballasts for HS, HI and HM Lamps

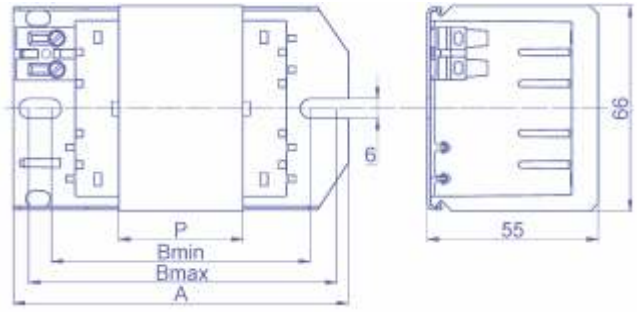


Figure H1

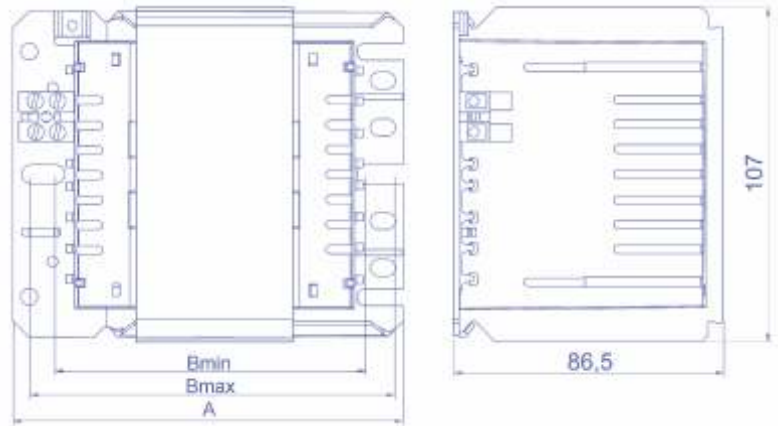


Figure H2

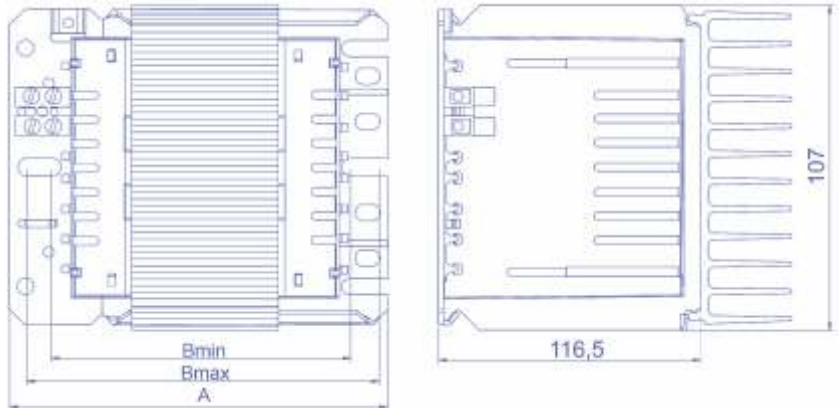


Figure H3

9.

Special Application & non EU HID Ballasts for HS, HI and HM Lamps

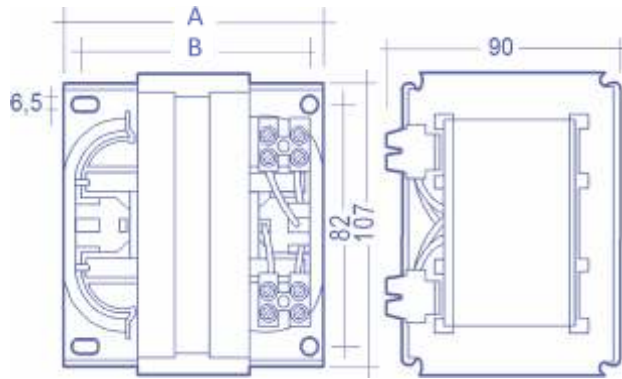


Figure H4

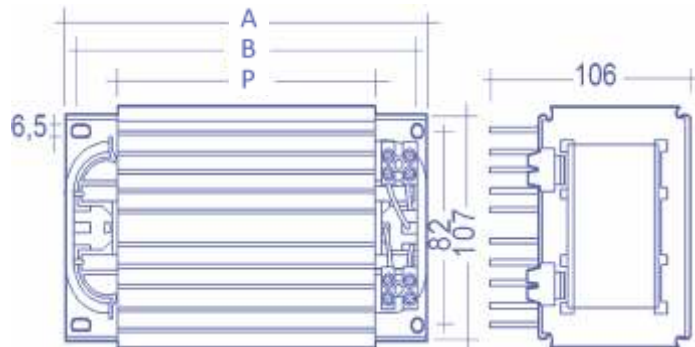


Figure H5

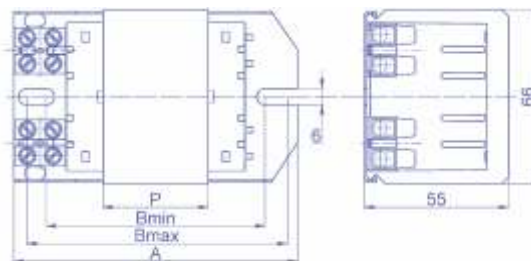


Figure H6

- CoreCross-Section: 55 x 66 mm
- 90 x 107 mm
- 86,5 x 107 mm
- 106 x 107 mm
- 116,5 x 107 mm

Vacuum impregnated with polyester resin

Screw terminals: 1,5 – 2,5(6) mm²

tw 130°C

Protection class 1

EN 60923, EN 61347

CE valid only for special app. ballasts

9. Special Application & non EU HID Ballasts for HS, HI and HM Lamps

Lamp			Ballast											Cap.
Power	Type	Current	Type	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	D _t	TS *1	Approval	Ck
W		A			V		mm	mm	mm	kg	K			µF ±10%
50Hz														
35	HI/HS	0.50	SI 520-35	7998	220	H1	108	83-100	36	1.18	60	no	-	6
35	HI/HS	0.50	SI 520-35 TS	8034	220	H1	108	83-100	36	1.18	60	yes	-	6
35	HI/HS	0.50	SI 543-35 TS SPECIAL APP. BALLAST	8028	230/240	H6	108	83-100	36	1.18	60	yes	-	6
35	HI/HS	0.50	SI 530-35 SPECIAL APP. BALLAST	7703	230	H1	108	83-100	36	1.02	60	no	-	6
35	HI/HS	0.50	SI 543-35 SPECIAL APP. BALLAST	8001	230/240	H6	108	83-100	36	1.18	60	no	-	6
35	HI/HS	0.50	SI 530-35 TS SPECIAL APP. BALLAST	7709	230	H1	108	83-100	36	1.01	60	yes	-	6
50	HS	0.76	S 520-50 TS	8035	220	H1	108	83-100	36	1.18	65	yes	-	10
50	HS	0.76	S 543-50 TS SPECIAL APP. BALLAST	8029	230/240	H6	108	83-100	36	1.18	65	yes	-	10
50	HS	0.76	S 543-50 SPECIAL APP. BALLAST	8002	230/240	H6	108	83-100	36	1.18	65	no	-	10
50	HS	0.76	S 520-50	7999	220	H1	108	83-100	36	1.18	65	no	-	10
50	HM	0.61	M 543-50 SPECIAL APP. BALLAST	9854	230/240	H6	108	83-100	36	1.18	60	no	-	10
50	HM	0.61	M 520-50	8007	220	H1	108	83-100	36	1.00	55	no	-	6
50/80	HM	0.80	MIC2 530-80/50 TS SPECIAL APP. BALL	10749	230	H6	108	83-100	38	1.20	70	yes	-	10
50	HS	0.76	S 530-50 TS SPECIAL APP. BALLAST	7710	230	H1	108	83-100	36	1.18	65	yes	-	10
50	HS	0.76	S 530-50 SPECIAL APP. BALLAST	7704	230	H1	108	83-100	36	1.18	65	no	-	10
50	HM	0.61	M 530-50 SPECIAL APP. BALLAST	7715	230	H1	108	83-100	36	1.18	60	no	-	6
70	HI/HS	1.00	SI 540-70 SPECIAL APP. BALLAST	10288	240	H1	108	83-100	42	1.30	70	no	-	12
70	HI/HS	1.00	SI 520-70 TS	8036	220	H1	108	83-100	42	1.30	75	yes	-	12
70	HI/HS	1.00	SI 543-70 TS SPECIAL APP. BALLAST	8030	230-240	H6	108	83-100	42	1.30	75	yes	-	12
70	HI/HS	1.00	SI 530-70 SPECIAL APP. BALLAST	10926	230	H1	108	83-100	42	1.30	70	no	-	12
70	HI/HS	1.00	SITX 540-70TS SPECIAL APP. BALLAST	10852	240	H1	125	100-115	64	1.83	40	yes	-	12
70	HI/HS	1.00	SIC 520-70	9419	220	H1	108	83-100	42	1.28	65	no	-	12
70	HI/HS	1.00	SIC 530-70 TS SPECIAL APP. BALLAST	8808	230	H1	108	83-100	42	1.20	65	yes	-	12
70	HI/HS	1.00	SI 520-70	7817	220	H1	108	83-100	42	1.30	75	no	-	12
70	HI/HS	1.00	SI 543-70 SPECIAL APP. BALLAST	8003	230-240	H6	108	83-100	42	1.30	75	no	-	12
70	HI/HS	1.00	SI 530-70 SPECIAL APP. BALLAST	7705	230	H1	108	83-100	42	1.30	70	no	-	12
70	HI/HS	1.00	SIT 520-70	9784	220	H1	125	83-100	64	1.20	75	no	-	12
70	HI/HS	1.00	SIC 530-70 SPECIAL APP. BALLAST	8804	230	H1	108	83-100	42	1.30	65	no	-	12
70	HI/HS	1.00	SI 530-70 TS SPECIAL APP. BALLAST	7711	230	H1	108	83-100	42	1.30	70	yes	-	12
70	HI/HS	1.00	SI 540-70 TS SPECIAL APP. BALLAST	10076	240	H1	108	83-100	42	1.30	70	yes	-	12
80	HM	0.80	M 530-80 SPECIAL APP. BALLAST	7716	230	H1	108	83-100	36	1.05	70	no	-	10
80/125	HM	0.80	M 530-125/80 SPECIAL APP. BALLAST	10863	230	H6	108	83-100	42	1.30	50-70	no	-	12
80	HM	0.80	M 520-80	8008	220	H1	108	83-100	36	1.05	70	no	-	10
100	HI/HS	1.20	SI 520-100	8000	220	H1	108	83-100	42	1.30	75	no	-	16
100	HI/HS	1.20	SI 530-100 TS SPECIAL APP. BALLAST	7712	230	H1	108	83-100	42	1.30	70	yes	-	16
100	HI/HS	1.20	SI 520-100 TS	8037	220	H1	108	83-100	42	1.30	75	yes	-	16
100	HI/HS	1.20	SI 530-100 SPECIAL APP. BALLAST	7706	230	H1	108	83-100	42	1.30	70	no	-	16
100	HI/HS	1.20	SI 543-100 SPECIAL APP. BALLAST	8004	230-240	H6	108	83-100	42	1.30	75	no	-	16
100	HI/HS	1.20	SI 530-100 SPECIAL APP. BALLAST	10927	230	H1	108	83-100	42	1.30	70	no	-	16
100	HI/HS	1.20	SI 543-100 TS SPECIAL APP. BALLAST	8031	230/240	H6	108	83-100	42	1.30	75	yes	-	16
125	HM	1.15	M 520-125	8009	220	H1	108	83-100	36	1.18	75	no	-	12
125	HM	1.15	M 530-125 SPECIAL APP. BALLAST	7717	230	H1	108	83-100	36	1.18	75	no	-	12
125	HM	0.76	S 530-50 SPECIAL APP. BALLAST	10925	230	H1	108	83-100	36	1.18	65	no	-	12
125	HM	1.15	M 530-125 SPECIAL APP. BALLAST	10929	230	H1	108	83-100	36	1.18	75	no	-	12
150	HI/HS	1.80	SIT 520-150	9718	220	H1	125	121-138	64	1.90	80	no	-	20
150	HI/HS	1.80	SI 543-150 SPECIAL APP. BALLAST	8005	230/240	H6	145	121-138	75	2.20	70	no	-	20
150	HI/HS	1.80	SIS 540-150 SPECIAL APP. BALLAST	10287	240	H1	125	100-115	64	1.90	75	no	-	20
150	HI/HS	1.80	SIS 530-150 SPECIAL APP. BALLAST	10981	230	H1	125	100-115	64	1.84	70	no	-	20
150	HI/HS	1.80	SIS 530-150 SPECIAL APP. BALLAST	8805	230	H1	125	100-115	64	1.84	70	no	-	20
150	HI/HS	1.80	SIC 530-150 TS SPECIAL APP. BALLAST	8959	230	H1	145	121-138	75	2.20	65	yes	-	20

9. Special Application & non EU HID Ballasts for HS, HI and HM Lamps

Lamp	Type	Current	Ballast	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	D _t	TS *1	Approval	Cap.
Power	Type	Current	Type	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	D _t	TS *1	Approval	Cap.
W		A			V		mm	mm	mm	kg	K			µF ±10%
50Hz														
150	HI/HS	1.80	SIS 530-150 TS SPECIAL APP. BALLAST	8807	230	H1	125	100-115	64	1.90	70	yes	-	20
150	HI/HS	1.80	SIS 520-150 TS	8038	220	H1	145	100-115	64	1.90	70	yes	-	20
150	HI/HS	1.80	SIC 530-150 SPECIAL APP. BALLAST	8958	230	H1	145	121-138	75	2.20	65	no	-	20
150	HI/HS	1.80	SICM 530-150 TS SPECIAL APP. BALLAST	10975	230	H1	145	121-138	75	2.32	55	yes	-	20
150	HI/HS	1.80	SIS 530-150 TS SPECIAL APP. BALLAST	10772	230	H1	125	98-102	64	1.90	70	yes	-	20
150	HI/HS	1.80	SI 543-150 TS SPECIAL APP. BALLAST	8032	230/240	H6	145	121-138	75	2.20	70	yes	-	20
150	HI/HS	1.80	SIS 530-150 SPECIAL APP. BALLAST	10928	230	H1	125	100-115	64	1.84	70	no	-	20
150	HI/HS	1.80	SIC 520-150	9418	220	H1	125	100-115	64	1.90	65	no	-	20
150	HI/HS	1.80	SIS 540-150 TS SPECIAL APP. BALLAST	10077	240	H1	125	100-115	64	1.90	75	yes	-	20
150	HI/HS	1.80	SIS 520-150	8957	220	H1	125	100-115	64	1.90	70	no	-	20
250	HI/HS	3.00	SI 540-250 SPECIAL APP. BALLAST	10289	240	H1	180	155-172	110	3.03	80	no	-	32
250	HI/HS	3.00	SI 530-250 SPECIAL APP. BALLAST	7708	230	H1	180	155-172	110	3.10	80	no	-	32
250	HI/HM	2.15	MI 540-250 SPECIAL APP. BALLAST	10191	240	H1	145	121-138	75	2.13	75	no	-	18
250	HI/HS	3.00	SI 540-250 TS SPECIAL APP. BALLAST	10078	240	H1	180	155-172	110	3.03	80	yes	-	32
250	HI/HS	3.00	OGLIS 250 PC023W 230/240/50 040A094	11079	230/240	H4	94	80	40	3.00	80	yes	ENEC	32
250	HI/HS	3.00	SI 543-250 SPECIAL APP. BALLAST	8006	230/240	H6	180	155-172	110	3.10	80	no	-	32
250	HI/HS	3.00	SIC 520-250	9417	220	H1	180	155-172	110	3.04	65	no	-	32
250	HI/HS	3.00	SI 520-250	7850	220	H1	180	155-172	110	3.04	80	no	-	32
250	HI	2.15	MI 520-250 TS	8040	220	H1	145	121-138	75	2.20	75	yes	-	18
250	HI/HS	3.00	SI 520-250 TS	8039	220	H1	180	155-172	110	3.10	80	yes	-	32
250	HI/HS	3.00	SI 543-250 TS SPECIAL APP. BALLAST	8033	230-240	H6	180	155-172	110	3.10	80	yes	-	32
250	HI/HM	2.15	MIC 530-250 TS SPECIAL APP. BALLAST	9071	230	H1	145	121-138	85	2.32	65	yes	-	18
250	HI/HS	3.00	SI 530-250 TS SPECIAL APP. BALLAST	7714	230	H1	180	155-172	110	3.03	80	yes	-	32
250	HS	3.00	S 520-250P	9618	220	H1	180	155-172	110	3.10	75	no	-	32
250	HI/HM	2.15	MIT 520-250	9721	220	H1	145	121-138	64	1.90	85	no	-	18
250	HI/HS	3.00	SIT 520-250	9719	220	H1	180	155-172	95	2.71	80	no	-	50
400	HI/HM	3.25	MI 540-400 SPECIAL APP. BALLAST	10881	240	H1	180	155-172	110	3.10	80	no	-	45
400	HI/HS	4.45	SIB 520-400	12372	220	H2	150	120-137	70	5.16	85	no	-	35
400	HI/HM	3.25	MIT 520-400	9726	220	H1	180	155-172	95	2.70	70	no	-	30
400	HI/HS	4.45	SIB 520-400	10585	220	H2	150	120-137	45	2.85	70	no	-	35
400	HI/HM	3.25	MI 520-400	7820	220	H1	180	155-172	110	3.10	85	no	-	35
600	HS	3.60	S 5380-600	12376	380	H2	175	150-167	125	6.85	65	no	-	20
600	HS	6.20	SB 520-600	10302	220	H2	175	150-167	95	6.80	75	no	-	65
1000	HM	7.50	MI 520-1000	10760	220	H2	210	185-200	125	8.92	65	no	-	75
1000	HI/HM	7.50	MI 540-1000	12360	240	H2	210	185-200	125	8.92	65	no	-	60
1000	HI	9.50	I 520-1000	9813	220	H2	210	185-200	125	8.80	70	no	-	85
1000	HI/HS	10.30	SIH 520-1000	10422	220	H3	210	185-200	125	9.20	70	no	-	85
1000	HI/HS	10.30	SIH 540-1000	10203	240	H3	210	185-200	125	9.20	75	no	-	85
2000	HI	10.30	I 5380-2000	10220	380	H2	295	270-287	210	14.50	80	no	-	60
2000	HI	8.80	I 5380-2000/8.8	10373	380	H2	295	270-287	210	14.90	65	no	-	37

9. Special Application & non EU HID Ballasts for HS, HI and HM Lamps

Lamp			Ballast											Cap.
Power	Type	Current	Type	Ord. No.	Voltage	Figure	A	B _{min} -B _{max}	P	Weight	D _t	TS *1	Approval	Ck
W		A			V		mm	mm	mm	kg	K			µF ±10%
60Hz														
35	HS	0.50	SI 630-35 TS	12342	230	H1	108	83-100	36	1.02	45	yes	-	6
35	HI/HS	0.50	SI 630-35	10783	230	H1	108	83-100	36	1.02	45	no	-	6
50	HM	0.61	M 620-50	9520	220	H1	108	83-100	36	1.18	55	no	-	10
50	HS	0.76	S 620-50	9519	220	H1	108	83-100	36	1.18	60	no	-	10
50	HS	0.76	S 620-50 TS	10785	220	H1	108	83-100	36	1.18	60	yes	-	10
70	HI/HS	1.00	SI 620-70	9092	220	H1	108	83-100	36	1.18	70	no	-	12
70	HI/HS	1.00	SI 620-70 TS	9548	220	H1	108	83-100	36	1.18	70	yes	-	12
80	HM	0.80	M 620-80	9927	220	H1	108	83-100	36	1.18	65	no	-	10
100	HI/HS	1.20	SI 630-100	10786	230	H1	108	83-100	42	1.20	65	no	-	16
100	HI/HS	1.20	SIT 620-100	10784	220	H1	108	83-100	36	1.18	70	no	-	16
125	HM	1.15	M 630-125	10753	230	H1	108	83-100	36	1.18	75	no	-	12
125	HM	1.15	M 620-125	9521	220	H1	108	83-100	36	1.10	75	no	-	12
150	HI/HS	1.80	SIS 628-150	9831	128	H1	145	121-138	64	1.90	70	no	-	20
150	HI/HS	1.80	SI 620-150TS	10761	220	H1	145	121-138	64	1.84	75	yes	-	20
150	HI/HS	1.80	SI 620-150	9093	220	H1	145	121-138	64	1.84	75	no	-	20
150	HI/HS	1.80	SI 630-150 TS	11545	230	H1	125	100-115	64	1.84	75	yes	-	20
150	HI/HS	1.80	SIS 640-150	10742	240	H1	145	121-138	64	1.87	75	no	-	20
150	HI/HS	1.80	SI 630-150	10237	230	H1	125	100-115	64	1.84	75	no	-	20
250	HI/HS	3.00	OGLIS 250 C026W 220-240/60 040A094	11066	220-240	H4	94	80	40	3.11	70	yes	-	25
250	HI/HM	2.15	MI 630-250	11555	230	H1	145	121-138	75	2.20	75	no	-	18
250	HI/HM	2.15	MIC 620-250 TS	12358	220	H1	145	121-138	85	2.32	60	yes	-	18
250	HI/HM	2.15	MI 620-250 TS	10888	220	H1	145	121-138	64	1.90	75	yes	-	18
250	HI/HM	3.00	SI 640-250	10969	240	H1	180	155-172	95	2.70	80	no	-	32
250	HI/HS	3.00	SI 630-250	10968	230	H1	180	155-172	95	2.70	80	no	-	32
250	HI/HS	3.00	OGLS 250W 40 220-240/60 040A094 C2	11526	220-240	H4	94	80	40	3.11	70	yes	-	32
250	HI/HS	2.15	MI 620-250	9094	220	H1	145	121-138	64	1.90	75	no	-	18
250	HI/HS	3.00	SI 620-250	9095	220	H1	180	155-172	95	2.70	80	no	-	32
400	HI/HM	3.25	MI 630-400	11556	230	H1	180	155-172	110	3.10	85	no	-	35
400	HI/HS	4.20-4.60	OGLS 400W 60 220-240/60 060A114	11020	220-240	H5	114	100	60	4.18	60	no	-	45
400	HI/HS	4.45	SIB 620-400	12347	220	H2	150	120-137	65	5.02	60	no	-	40
400	HI/HM	3.25	MI 620-400	9096	220	H1	180	155-172	95	2.70	75	no	-	25
400	HI/HS	4.20-4.60	OGLS 400W 60 220-240/60 060A114 TP	11550	220-240	H4	114	100	60	4.18	60	yes	-	45
400	HI/HS	4.20-4.60	OGLS 400W 60 220-240/60 060A114 C2	11561	220-240	H5	114	100	60	4.13	60	yes	-	45
400	HI/HS	4.20-4.60	OGLS 400 A004K 200/50/60 050A114	11054	200	H4	114	100	50	3.68	70	no	-	50
600	HS	6.20	OGLS 600W 80 220-240/60 080A134	11032	220-240	H4	134	120	80	5.53	60/50	no	-	60
600	HS	6.20	SB 620-600	10201	220	H2	150	125-142	65	4.80	75	no	-	65
1000	HI/HS	10.30/9.30/8.25	OGLIS 1000W 140 220-240/60 140B194	11033	220-240	H5	194	180	140	9.35	70/60/55	no	-	70
1000	HI/HS	10.30	SIH 620-1000	10202	220	H3	210	185-200	125	9.20	75	no	-	85
1000	HI	9.50	I 630-1000	9331	230	H2	210	185-200	125	8.80	75	no	-	85
1000	HI/HS	10.30	SIH 630-1000	10787	230	H3	210	185-200	125	9.20	75	no	-	100
1000	HM	7.50	M 630-1000	9332	230	H2	175	150-167	95	6.81	75	no	-	60
2000	HI	10.30	OGLI 2000W 180 380-415/60 180B234VG	11016	380-415	H5	234	220	180	11.50	80	no	-	100
2000	HI	10.30	I 6400-2000	10622	400	H2	295	270-287	210	14.50	75	no	-	60



RELIABILITY

We provide highly reliable quality products manufactured by our team of people that have many decades of experience and tradition in production of magnetic ballasts.

DURABILITY

We use quality materials and components and offer 10 year warranty on all of our magnetic products.

FLEXIBILITY

We listen to our clients and adopt our service to their needs. Optimization of working processes is an ongoing project in ELKOSUN that keeps us alert.

TEAM

ELKOSUN employs over 30 technical and production people, all of whom have many years of experience in manufacturing of magnetic ballasts. The team can answer any challenge that may arise in the magnetics sector of the lighting industry.

PRODUCTION

The production facility utilized by Elkosun is located in Maribor, Slovenia. The tradition of producing magnetic ballast in Maribor is more than 60 years long. Highly skilled workers are trained to produce top quality ballasts for top European OM producers. Every ballast is tested according to the same procedure before it goes out of production which enables minimum claim and most reliable products.

R&D

ELKOSUN is focusing on magnetics technology. In its own well-equipped laboratory Elkosun can develop or upgrade any magnetic ballast required for today's HID, fluorescent and UV lamps. R&D is focusing also in getting the most energy efficient magnetic products as well as in the technology and solutions that can improve the efficiency of magnetics products.