

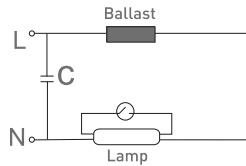


Components

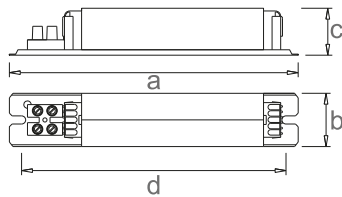
COSTO
Lighting Expert



Connection Scheme



Technical Drawing



Standard of Application



T8 Fluorescent Ballasts

Specifications:

- Low watt-loss, quiet operation thanks to siliceous sheet and automatic packaging system
- Long-lifetime and low-loss with highly conductive H-class enamelled copper wires
- Non-flammable plastic components
- Effective quality control throughout the production process ensuring complete and fault-free production
- Protection against corrosion with moisture, ozone and dust proof insulating varnish
- Does not emit high frequency waves and thus problem-free in terms of electromagnetic compatibility and harmless to human and animal life

Options

- Production in different voltages (220/230/240) and frequencies (50/60Hz)
- 110/120 V production for 15/20W ballasts

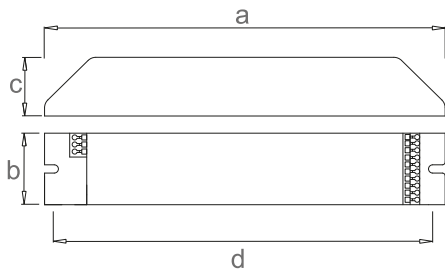
Product Details

Order Code	Power (W)	Voltage (V)	Current (A)	Lamp Type	Capacitor (µF±10 250 V)	Power Factor	Dimensions (mm) a b c d	Weight (kg)	Volume (m³)	Pcs/Pack
CST 150801	40	230	0.430	TL-D	4.5	0.46	155x42x32,5x145	30.3	0.007562	36
				TL	4.5	0.46				
				TL-E	4.5	0.46				
				PL-L	4.5	0.46				
CST 150802	15 W	230	0.330	TL-D 15	0.45	0.33	110x42x32.5x101	20.4	0.005605	36
CST 150803	20 W	230	0.370	TL-D 18	4.5	0.33	110x42x32.5x101	20.1	0.005605	36
				TL-20	4.5	0.33				
				PL-L 18	4.5	0.33				
				TL-E 22	4.5	0.33				
CST 150804	32	230	0.420	TL-E	5	0.41	110x42x32,5x101	20.4	0.005605	36
CST 150805	40	230	0.430	TL-D	5	0.48	110x42x32,5x101	20.4	0.005605	36
				TL	4.5	0.48				
				TL-E	4.5	0.48				
				PL-L	4.5	0.48				
CST 150806	58	230	0.670	TL-D	7	0.46	155x42x32,5x145	21	0.00544	24
	65	230	0.670	TL-D	7	0.51	155x42x32,5x145	21	0.00544	24
CST 150807	15	230	0.330	TL-D	4.5	0.33	160x29x26x150	20	0.004664	36
CST 150808	20	230	0.370	TL-D	4.5	0.33	160x29x26x150	20	0.004664	36
				TL	4.5	0.33				
				PL-L	4.5	0.33				
				TL-E	4.5	0.33				
CST 150809	32	230	0.425	TL-E	4.5	0.41	160x29x26x150	20	0.004664	36
CST 150810	40	230	0.430	TL-D	4.5	0.48	160x29x26x150	20	0.004664	36
				TL	4.5	0.48				
				TL-E	4.5	0.48				
				PL-L	4.5	0.48				

T8 & T5 Electronic FLuorescent Ballasts



Technical Drawing



Standard of Application



Specifications

- Low active power loss class ballast with warm start extending lamp lifetime.
- Provides constant and stable light output without being affected by fluctuations in grid voltage (190-250V)
- Voltage and current protected.
- With a power factor greater than 0.95, no need for power factor correction.
- No flicker thanks to output frequency of 42 kHz.
- Removes stroboscopic effect, prevents potential occupational accidents.
- Does not require a starter.
- Easy and time saving installation with screwless connectors.
- May be used together with emergency lighting unit.
- Intelligent building and automation systems compliant versions available

Product Details

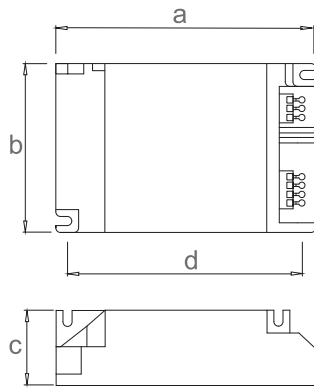
Order Code	Type	Power (W)	Voltage (V)	Current (A)	Lamp Type	Power Factor	Operating Temperature	Dimensions (mm) a b c d	Pcs/Pack
CST 150811	T8 Electronic	1x18	220-240	0.100	TL-D	0.98	-15/+50 °C	295x31x29x285	50
CST 150812	T8 Electronic	2x18	220-240	0.180	TL-D	0.98	-15/+50 °C	295x31x29x285	50
CST 150813	T8 Electronic	3x18	220-240	0.260	TL-D	0.98	-15/+50 °C	332x34x32x322	50
CST 150814	T8 Electronic	4x18	220-240	0.340	TL-D	0.98	-15/+50 °C	332x34x32x322	50
CST 150815	T8 Electronic	1x36	220-240	0.165	TL-D	0.98	-15/+50 °C	295x31x29x285	50
CST 150816	T8 Electronic	2x36	220-240	0.305	TL-D	0.98	-15/+50 °C	295x31x29x285	50
CST 150817	T8 Electronic	1x58	220-240	0.250	TL-D	0.98	-15/+50 °C	360x33x30x350	50
CST 150818	T8 Electronic	2x58	220-240	0.490	TL-D	0.98	-15/+50 °C	360x33x30x350	50

Product Details

Order Code	Type	Power (W)	Voltage (V)	Current (A)	Lamp Type	Power Factor	Operating Temperature	Dimensions (mm) a b c d	Pcs/Pack
CST 150501	T5 Electronic	1x14	220-240	0.080	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150502	T5 Electronic	2x14	220-240	0.150	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150503	T5 Electronic	3x14	220-240	0.210	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150504	T5 Electronic	4x14	220-240	0.30	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150505	T5 Electronic	1x28	220-240	0.150	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150506	T5 Electronic	2x28	220-240	0.280	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150507	T5 Electronic	1x35	220-240	0.180	TL5	0.96	-25/+50 °C	360x30x21x350	12
CST 150508	T5 Electronic	2x35	220-240	0.340	TL5	0.96	-25/+50 °C	360x30x21x350	12



Technical Drawing



Compact Fluorescent Ballasts

Specifications

- Low active power loss class ballast with warm start extending lamp lifetime.
- Provides constant and stable light output without being affected by fluctuations in grid voltage (190-250V)
- Voltage and current protected.
- With a power factor greater than 0.95, no need for power factor correction.
- No flicker thanks to output frequency of 42 kHz.
- Removes stroboscopic effect, prevents potential occupational accidents.
- Does not require a starter.
- Easy and time saving installation with screwless connectors.
- May be used together with emergency lighting unit.
- Intelligent building and automation systems compliant versions available

Product Details

Order Code	Type	Power (W)	Voltage (V)	Current (A)	Lamp Type	Power Factor	Operating Temperature	Dimensions (mm) a b c d	Pcs/Pack
CST 150401	Compact Electronic	1x13	220-240	0.076	PL-C	0.98	-15/+50 °C	114x74x32x105	100
CST 150402	Compact Electronic	2x13	220-240	0.140	PL-C	0.98	-15/+50 °C	114x74x32x105	100
CST 150403	Compact Electronic	1x18	220-240	0.090	PL-C	0.98	-15/+50 °C	114x74x32x105	100
CST 150404	Compact Electronic	2x18	220-240	0.180	PL-C	0.98	-15/+50 °C	114x74x32x105	100
CST 150405	Compact Electronic	1x26	220-240	0.130	PL-C	0.98	-15/+50 °C	114x74x32x105	100
CST 150406	Compact Electronic	2x26	220-240	0.250	PL-C	0.98	-15/+50 °C	114x74x32x105	100

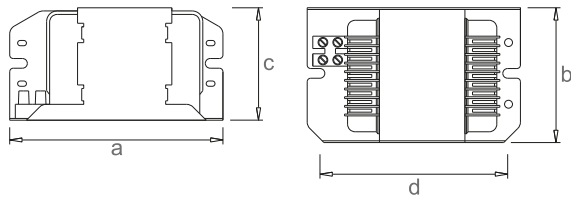
Standard of Application



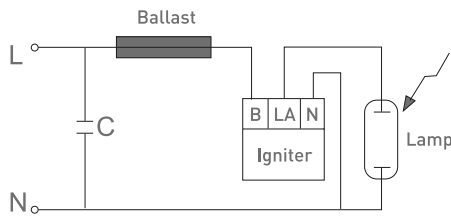
High Pressure Metal halide Ballasts



Technical Drawing



Connection Scheme



Specifications

- Low Watt-loss, quiet operation thanks to siliceous sheet and automatic packaging system
- Long-lifetime and low-loss with highly conductive H-class enamelled copper wires
- Non-flammable plastic components
- Effective quality control throughout the production process ensuring complete and fault-free production
- Protection against corrosion with moisture, ozone and dust proof insulating varnish
- Does not emit high frequency waves and thus problem-free in terms of electromagnetic compatibility and harmless to human and animal life

Options

Production in different voltages (220/230/240) and frequencies (50/60Hz). Production with 155°C thermal cut-out switch

Product Details

Order Code	Type	Power (W)	Voltage (V)	Current (A)	Lamp Type	Capacitor (µF±10 250 V)	Power Factor	Dimensions (mm) a b c d	Pcs/Pack
CST 150601	HQI	35	230	0.50	HPI	6	0.37	155x42x32,5x145	24
CST 150602	HQI	70	230	1,00	HPI	12	0.49	116x64x54x105	16
CST 150603	HQI	100	230	1.10	HPI	16	0.47	116x64x54x105	16
CST 150604	HQI	150	230	1.80	HPI	20	0.44	122x78x66x10	8
CST 150605	HQI	250	230	3,00	HPI	32	0.46	135x93x79x123	4
CST 150606	HQI	400	230	3.60	HPI	35	0.56	135x93x79x123	4
CST 150607	HQI	1000	230	9.50	HPI	85	0.49	197x126,5x138x187	2
CST 150608	HQI	2000	380	8.8/10.30	HPI	37-65/450 V	0.59	225x126,5x138x212	1
CST 150609	HQI	2000	230	16.50	HPI	125	0.53	197x253x138x187	1

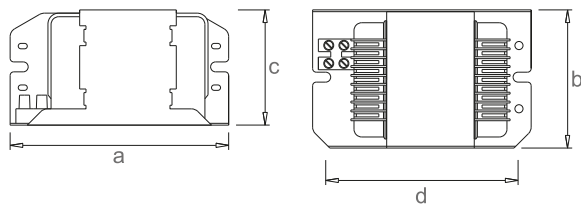
Standard of Application



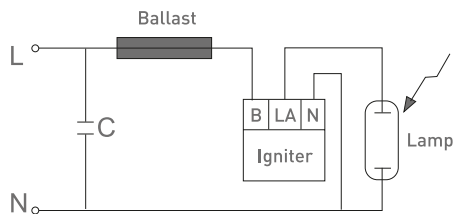
High Pressure Sodium Ballasts



Technical Drawing



Connection Scheme



Specifications

- Low Watt-loss, quiet operation thanks to siliceous sheet and automatic packaging system
- Long-lifetime and low-loss with highly conductive H-class enamelled copper wires
- Non-flammable plastic components
- Effective quality control throughout the production process ensuring complete and fault-free production
- Protection against corrosion with moisture, ozone and dust proof insulating varnish
- Does not emit high frequency waves and thus problem-free in terms of electromagnetic compatibility and harmless to human and animal life

Options

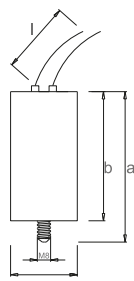
Production in different voltages (220/230/240) and frequencies (50/60Hz). Production with 155° C thermal cut-out switch

Product Details

Order Code	Type	Power (W)	Voltage (V)	Current (A)	Lamp Type	Capacitor (µF±10 250 V)	Power Factor	Dimensions (mm) a b c d	Pcs/Pack
CST 150610	SON	35	230	0.53	SON	6	0.37	155x42x32.5x145	24
CST 150611	SON	50	230	0.77	SON	10	0.49	116x64x54x105	16
CST 150612	SON	70	230	1.00	SON	12	0.47	116x64x54x105	16
CST 150613	SON	100	230	1.20	SON	12	0.44	116x64x54x105	16
CST 150614	SON	150	230	1.80	SON	20	0.44	122x78x66x10	8
CST 150615	SON	250	230	30	SON	32	0.38	135x93x79x123	4
CST 150616	SON	400	230	4.40	SON	45	0.45	156x93x69x145	4
CST 150617	SON	600	230	6.20	SON	65	0.45	178x126.5x138x168	2
CST 150618	SON	1000	230	10.30	SON	100	0.46	197x126.5x138x187	2

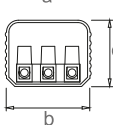
Standard of Application



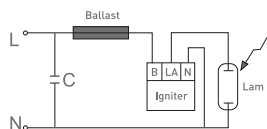


Technical Drawing

Technical Drawing



Connection Scheme



Series Igniters

Specifications

- Frame manufactured from UV reinforced, heat and impact resistant polycarbonate material.
- Epoxy filling with high thermal and insulating properties.
- Minimum ambient operating temperature -25°C.
- Maximum surface operating temperature (tc) 105°C.
- CEM1 PCB card.
- Low-loss and long-lifetime components.
- Non-flammable connector terminal suitable for 1.5-6 mm² cross-sectioned cable installation.
- Series igniters self generating the ignition voltage independent of the ballast.
- Provides ease of installation thanks to the M8 screw and loaf.
- Effective quality control throughout the production process ensuring complete and fault-free production

Capacitors

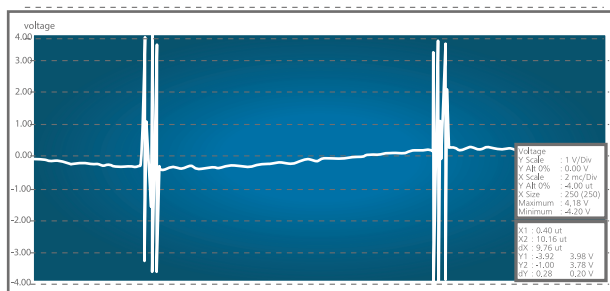
Specifications

- Polymer sheath
- Silicon wired
- Thanks to its interior discharge resistor, the voltage value drops below 50 V, 1 minute after power cut-off.
- Capacity is within tolerance values
- Low power loss (0.5W / KVar)
- Maximum voltage tolerance 1.1 Un.
- Maximum current tolerance 1.3 In
- M8 screws and nuts are offered the ease of installation

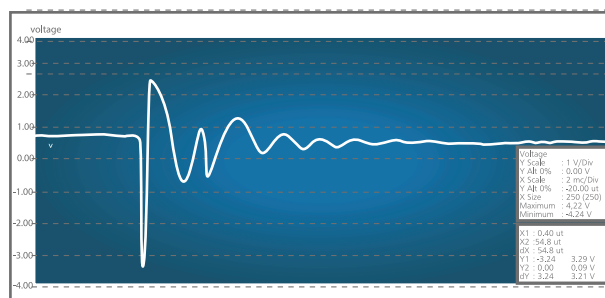
Product Details

Order Code	Type	Tolerance	Voltage (V)	Operating Temperature	Type of Connection	Dimensions (mm) a b l Ø	Pcs/Pack
CST 160601	4	± 10	250	-40/+85 °C	Parallel	68x58x250x30	400
CST 160602	8	± 10	250	-40/+85 °C	Parallel	78x68x250x30	400
CST 160603	10	± 10	250	-40/+85 °C	Parallel	69x60x250x35	400
CST 160604	12	± 10	250	-40/+85 °C	Parallel	68x58.5x250x37.5	250
CST 160605	20	± 10	250	-40/+85 °C	Parallel	78x69x250x37.5	250
CST 160606	32	± 10	250	-40/+85 °C	Parallel	102x91x250x40	200
CST 160607	35	± 10	250	-40/+85 °C	Parallel	100x90x250x45	150
CST 160608	45	± 10	250	-40/+85 °C	Parallel	97x86x250x50	110
CST 160609	50	± 10	250	-40/+85 °C	Parallel	100x88x250x46	120
CST 160610	60	± 10	480	-40/+85 °C	Parallel	129x112x250x60	20

Adequata number of Pulses For Ignition



The Magnitude and Amplitude of the Ignition Pulse

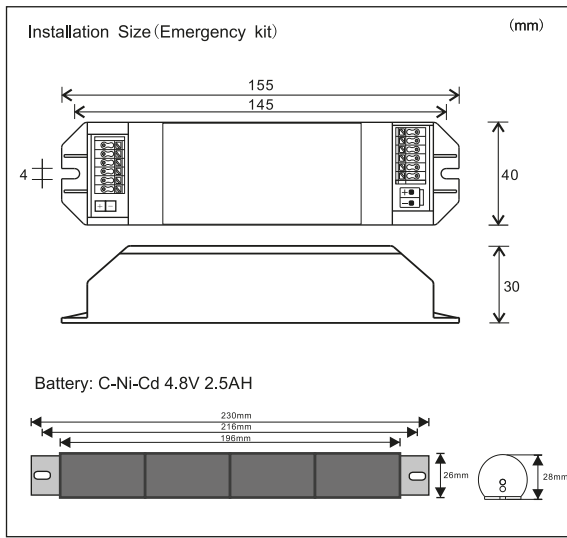


Product Details

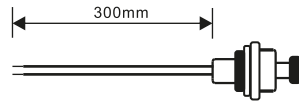
Order Code	Type	Input Voltage (V)	Max Current (A)	Ignition Voltage (kV)	Lamp Type	Max Cable Length (m)	Dimensions (mm) a b c	Pcs/Pack
CST 170601	35-150 W	195-240	1.8	1.8 - 2.8	35-150W SON/HPI	1.5	96x39x33	100
CST 170602	70-400 W	195-240	5	4 - 5	70-400W SON/HPI	1.5	96x39x33	100

Standard of Application



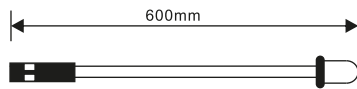


Test switch
Mounting hole 10 mm dia
Lead length 300mm



LED status indicator

Charging Green ●
Mounting hole 7.0mm dia
Lead length 600mm



Standard of Application



Emergency Lighting Kits For FL, FL-C

Specifications

- Non-flammable polymer injection - frame.
- Non-flammable PCB card.
- Effective quality control throughout the production process ensuring complete and fault-free production.
- Can be used with magnetic and electronic ballasts.
- Provides lighting through its integrated ballast when energized.
- Provides lighting up to 3 hours during energy cut-off.
- Used with a 6V NiCd battery.
- Equipped with battery over charge and discharge protection.
- Equipped with a red LED charge indicator.
- 24-48 hours of battery charging time.
- Quiet and vibration free operation.
- Screwless connectors ensure ease of assembly and time savings.
- Offered options include green LED indicating discharge status and test button.



Product Details

Order Code	Type	Voltage (V)	Lamp Type	Operating Temperature	Dimensions (mm) a b c d	Pcs/Pack
CST 180801	2h-3h	220-240	TL-D 18-36-58	-25/+50 °C	-	10
CST 180401	2h-3h	220-240	PL-C 18-26	-25/+50 °C	-	10
CST 180501	2h-3h	220-240	TL5 14-28-35-54	-25/+50 °C	-	10

