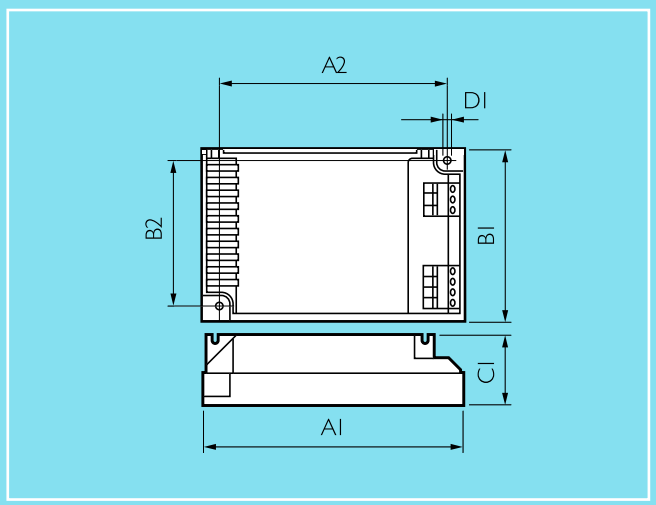
Electronics : PL-T/C Lamps

HF-P PL-T/C/Q



Dimensions in mm

	A1	A2	B1	B2	C1	D1
HF-P 113 PL-T/C	103	93.5	67	57.5	30	4.5
HF-P 118 PL-T/C	103	93.5	67	57.5	30	4.5
HF-P 126-42 PL-T/C	103	93.5	67	57.5	30	4.5
HF-P 213 PL-T/C	123	111	79	67	33	4.5
HF-P 218 PL-T/C	123	111	79	67	33	4.5
HF-P 2 26-42 PL-T/C	123	111	79	67	33	4.5

HF-PERFORMER PL-T/C

Compact, light weight, high frequency electronic standard ballasts for PL-T and PL-C compact fluorescent lamps.

Features and Benefits

- Flicker-free warm start, ideal for areas with high switching frequency
- Up to 50% longer lamp life than with conventional ballasts
- Up to 25% reduction in energy consumption at constant luminous flux compared with conventional gear
- Constant light independent of mains voltage fluctuations.

Applications

- Departmental stores, shops, supermarkets
- Installations with infrared remote control systems
- Airports, railway stations
- Office buildings
- Hospitals
- Hotels
- Outdoor lighting and downlighting.

Installation

- Connection wiring is greatly simplified by the use of insert contacts

Circuit Diagram

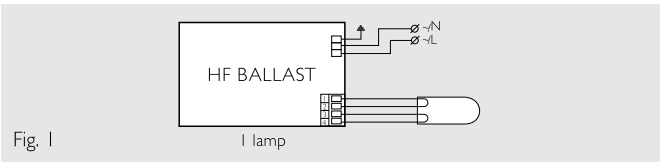


Fig. 1

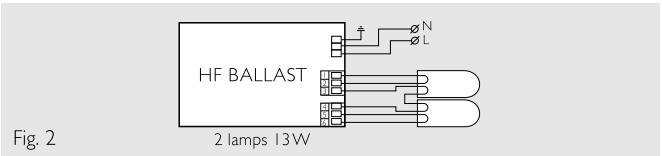


Fig. 2

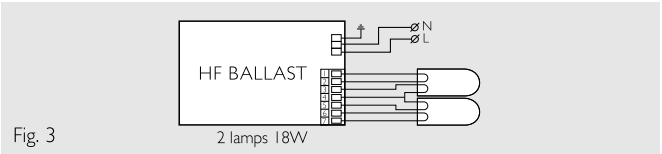


Fig. 3

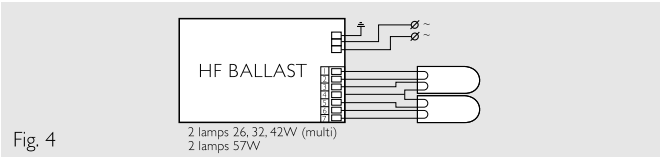


Fig. 4

Compliances and Approvals

RFI <30 MHz	EN 55015
Harmonics	EN 61000-3-2
Immunity	EN 61547
Safety	EN 61347-2-3
Performance	EN 60929-1E
Vibration and bump tests	IEC 68-2-6 FC IEC 68-2-29 Eb
Quality standard	ISO 9000-2000
Environmental standard	ISO 14001
Approval marks	ENEC
CE marking	
Temperature declared thermally protected	IEC 61347-1

PHILIPS

Technical Data

Ballast	Qty. of Lamps	Lamp Type	System Power W	Lamp Power W	Input Current A	Ballast Losses W	Power Factor	EEI
HF-P 113 PL-T/C	1	PL-T/C 13 W	14	12.0	0.06	2.0	0.96	A3
HF-P 213 PL-T/C	2	PL-T/C 13 W	28	12.0	0.12	4.0	0.97	A3
HF-P 118 PL-T/C	1	PL-T/C 18 W	18	16.5	0.09	1.5	0.93	A2
HF-P 218 PL-T/C	2	PL-T/C 18 W	38	16.5	0.18	3.0	0.96	A2
HF-P 1 26-42 PL-T/C	1	PL-T 26 W	26	24.0	0.13	2.0	0.95	A2
HF-P 226-42 PL-T/C	2	PL-T 26 W	54	25.5	0.22	3.0	0.96	A2
HF-P 1 26-42 PL-T/C	1	PL-T 32 W	35	32.0	0.17	3.0	0.95	A2
HF-P 2 26-42 PL-T/C	2	PL-T 32 W	70	33.0	0.30	4.0	0.97	A2
HF-P 1 26-42 PL-T/C	1	PL-T 42 W	46	43.0	0.22	3.0	0.95	A2
HF-P 2 26-42 PL-T/C	2	PL-T 42 W	92	43.0	0.45	6.0	0.98	A2
HF-P 113 PL-T/C	1	PL-C 10 W	12	9.5	0.05	2.0	0.96	A2
HF-P 213 PL-T/C	2	PL-C 10 W	23	9.5	0.11	4.0	0.95	A2

Ordering Data

Ballast	Weight Net kg.	Qty. per Box	Dimensions l x w x h mm	Volume m^3	Weight Gross kg.
HF-P 113 PL-T/C	0.15	36	215 x 210 x 215	0.01	5.5
HF-P 118 PL-T/C	0.13	12	221 x 217 x 88	0.01	1.8
HF-P 126-42 PL-T/C	0.13	12	221 x 217 x 88	0.01	1.8
HF-P 213 PL-T/C	0.22	36	224 x 224 x 220	0.01	7.9
HF-P 218 PL-T/C	0.19	36	255 x 245 x 225	0.01	6.8
HF-P 2 26-42 PL-T/C	0.22	12	255 x 245 x 82	0.01	2.9

Technical Data for Installation

Mains operation

Rated mains voltage	220 - 240 V
with tolerances for safety ±10%	198 - 264 V
with tolerances for performance +6% -8%	202 - 254 V
Mains frequency	50/60 Hz
Operating frequency	>42 kHz
Power factor	>0.96

Suitable for DC voltage operation during emergency back-up

Nominal light output is obtained at a voltage of	220 - 240 V DC

Notes:

1. For a continuous DC application, an external fuse should be used in the luminaire.
2. Continuous low DC voltages (<198 V) can influence the lifetime of the ballast.

Smart power:

Constant light operation	In case of mains voltage fluctuations within 202-254 V, the luminous flux changes by a maximum of ± 2 %
Earth leakage current	<0.5 mA per ballast
Ignition time	<1.2 s (< 2 s)
Overvoltage protection	48 hrs. at 320 V AC 2 hrs. at 350 V AC (2 hrs. at 320 V AC)
Dual fixture; master-slave operation	No
Automatic restart after lamp replacement or voltage dip	Yes: tested with a dip down to 30% with a duration of 10 mains cycles
Insulation resistance test	500 V DC from Line/Neutral to Earth (not between Line and Neutral) Ensure that the Neutral is reconnected again after above test is carried out and before operation