



Robust design, compact form

HF-Matchbox Red

HF-Matchbox Red is an affordable, reliable, compact, lightweight and high-frequency ballast for use with system wattages below 25 W in combination with TL mini, TL-D, TL5 and TL5c, PL-T/C, and PL-L/S lamps. The HF-M Red range has a robust design, meets all relevant international safety and performance standards and has an energy efficiency index (CELMA EEI) of A2.

Benefits

- Can be operated with movement-detection control systems.
- Automatic restart (after voltage dip or lamp exchange) ensures easy operation and hassle-free re-lamping.
- Suitable for use in class I or class II luminaires

Features

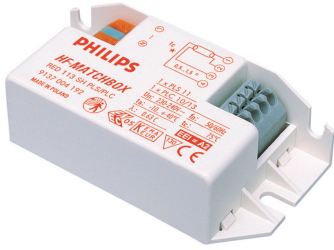
- Over 60,000 on/off switches on one lamp (depending on lamp/ballast combination)
- Suitable for emergency DC operation between 190 and 254 V
- Programmed, flicker-free, pre-heated start (<0.8 s) which allows the lamp to be switched on and off without reducing useful lamp life

Application

- Used with movement-detection control systems like Philips OccuPlus
- Mainly for indoor applications such as spotlights, downlights, light boxes, and emergency and security fixtures used largely in retail stores, office buildings, hotels, private homes and residential buildings
- Domestic applications such as outdoor garden lighting, garage areas, stairways

HF-Matchbox Red

Versions



Dimensional drawing

A?

Product	D1	C1	C2	A1	A2	B1
HF-M RED 114 SH	4.2 mm	22.0	10.0	80.0	70.0	40.0
TL/TL5/PL-C/S 230-240V		mm	mm	mm	mm	mm
HF-M RED 109 SH TL/PL-S 230-240V	4.4	22.0	10.0	80.0	70.0	40.0
HF-M RED 124 SH	4.4	22.0	10.0	94.0	70.0	40.0
TL/TL5/PL-L 230-240V	mm	mm	mm	mm	mm	mm
HF-M RED 118 SH PL-C/PL-T 230-240V	4.4	22.0	10.0	80.0	70.0	40.0
	mm	mm	mm	mm	mm	mm

Operating and Electrical

Input Frequency	50 to 60 Hz
Input Voltage	230 to 240 V

General Information

Number Of Lamps	1 piece/unit
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Mechanical and Housing

Housing	SH
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General Information

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)	Lamp Type
91040030	HF-M RED 124 SH TL/TL5/PL-L 230-240V	48	TL/TL5/PL-L
93142930	HF-M RED 109 SH TL/PL-S 230-240V	159	TL/PL-S

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)	Lamp Type
93140530	HF-M RED 114 SH TL/TL5 230-240V	101	TL/TL5/PL-C/S
92802330	HF-M RED 118 SH PL-C/PL-T 230-240V	73	PL-C/PL-T

System characteristics

HF-Matchbox Red

Order Code	Full Product Name	Lamp Power On PL-C	Lamp Power On PL-L	Lamp Power On PL-S	Lamp Power On PL-T	Lamp Power On TL	Lamp Power On TL5	Rated Ballast- Lamp Power
91040030	HF-M RED 124 SH TL/TL5/PL-L 230-240V	-	19.3 W	-	-	-	19.8 W	24 W
93142930	HF-M RED 109 SH TL/PL-S 230-240V	-	-	6.5 W	-	5.3 W	-	9 W
93140530	HF-M RED 114 SH TL/TL5 230-240V	8.9 W	-	-	-	-	13.1 W	14 W
92802330	HF-M RED 118 SH PL-C/PL-T 230-240V	15.9 W	-	-	15.2 W	-	-	18 W

