# **PHILIPS** Lighting



# Robust design, compact form

# **HF-Matchbox Red**

HF-Matchbox Red is an affordable, reliable, compact, lightweight and highfrequency 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



HF-M RED SH

# Dimensional drawing

Δ2

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		mm	mm	mm	mm	mm
230-240V						
HF-M RED 109 SH TL/PL-	4.4 mm	22.0	10.0	80.0	70.0	40.0
S 230-240V		mm	mm	mm	mm	mm
HF-M RED 124 SH	4.4 mm	22.0	10.0	94.0	70.0	40.0
TL/TL5/PL-L 230-240V		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						
Mechanical and Housing							
Housing	SH						

#### **General Information**

	Number Of Products			Number Of Products			
	On MCB (16A Type				On MCB (16A Type	16А Туре	
Order Code	Full Product Name	B) (Nom)	Lamp Type	Order Code	Full Product Name	B) (Nom)	Lamp Type
913700420666	HF-M RED 124 SH TL/TL5/PL-L	48	TL/TL5/PL-L	913700422866	HF-M RED 109 SH TL/PL-S	159	TL/PL-S
	230-240V				230-240V		

#### System characteristics

Order Code	Full Product Name	Lamp Power On PL-L	Lamp Power On PL-S	Lamp Power On TL	Lamp Power On TL5	Rated Ballast-Lamp Power
913700420666	HF-M RED 124 SH TL/TL5/PL-L 230-240V	19.3 W	-	-	19.8 W	24 W
913700422866	HF-M RED 109 SH TL/PL-S 230-240V	-	6.5 W	5.3 W	-	9 W

**HF-Matchbox Red** 



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