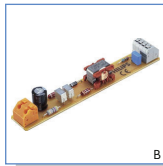


Fluorescent ⇒ Fluorescent Fixed Output gear
HF-Matchbox Blue



Robust design, compact form

HF-Matchbox Blue 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 Blue range has a robust design, meets all relevant international safety and performance standards and has an energy efficiency index (CELMA EEI) of A2.

Product Benefits

- 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

Product Features

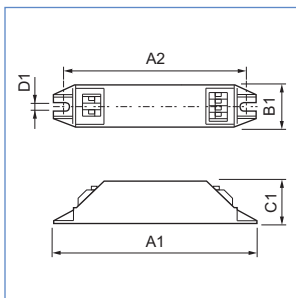
- Suitable for emergency DC operation between 190 and 254 V
- Programmed, flicker-free, pre-heated start (<0.8 s); over 8,000 on/off switches on one lamp (depending on lamp/ballast combination)
- Automatic restart (after voltage dip or lamp exchange) ensures easy operation and hassle-free re-lamping.

Applications

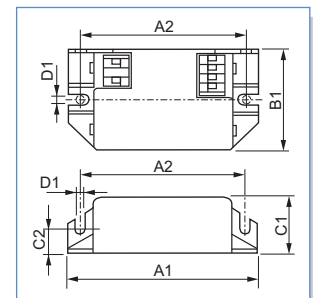
- Used with movement-detection control systems like Philips OccuPlus in applications where lamps burn for a long period of time and the switching cycle is infrequent (e. g. a maximum of three times per day)
- Mainly for indoor applications such as spotlights, downlights, light boxes, and emergency and 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

Type	Name Extension	Number Lamps x Ballast Power	Housing	Rated Lamptype	Application code	Line Voltage	Packing type	Packing configuration	mm	Photo letter	Ordering number 8711500...
HF-M	BLUE	105	LH	TL/PL-S		230-240V	UNP	50	1	A	53678530
HF-M	BLUE	109	LH	TL/PL-S		230-240V	UNP	50	1	A	53680830
HF-M	BLUE	109	LP	TL/PL-S		230-240V	UNP	432	2	B	53692130
HF-M	BLUE	114	LH	TL/PL-S/PL-C		230-240V	INO	50	1	A	53682230
HF-M	BLUE	114	LP	TL/PL-S/PL-C		230-240V	UNP	432	2	B	53694530
HF-M	BLUE	121	LH	TL5		230-240V	UNP	50	3	C	53646430
HF-M	BLUE	121	LP	TL5		230-240V	UNP	216	4	B	53648830
HF-M	BLUE	124	LH	TL/TL5/PL-L		230-240V	UNP	50	3	D	53640230
HF-M	BLUE	124	SH	TL/TL5/PL-L	mkI	230-240V	INO	50	5	E	53638930
HF-M	BLUE	128	LH	TL5		230-240V	UNP	50	3	A	93243330

42050312



mm	A1	A2	B1	C1	D1
nom.	nom.	nom.	nom.	nom.	nom.
1	144	132	22	22	4.4
2	120		18	20	
3	187	176	22	22	4.4
4	160		18	20	



mm	A1	A2	B1	C1	C2	D1
nom.	nom.	nom.	nom.	nom.	nom.	nom.
5	94	84	40	22	10	4.4

HF-Matchbox Blue

Additional technical data

Product name	Max ballast on MCB(16A type B) (x)	Power losses gear (W)	T-case maximum (°C [max.])
HF-M BLUE 109 LH TL/PL-S 230-240V	159	1.7	75
HF-M BLUE 109 LP TL/PL-S 230-240V	159	1.2-1.3	-
HF-M BLUE 114 LH TL/PL-S/PL-C 230-240V	101	2.9	75
HF-M BLUE 114 LP TL/PL-S/PL-C 230-240V	101	1.6-2.1	-
HF-M BLUE 105 LH TL/PL-S 230-240V	240	1.5	75
HF-M BLUE 121 LH TL5 230-240V	59	2.4	75
HF-M BLUE 121 LP TL5 230-240V	59	2.4	-
HF-M BLUE 124 LH TL/TL5/PL-L 230-240V	60	1.8-2.1	75
HF-M BLUE 124 SH TL/TL5/PL-L 230-240V	60	1.9-2.2	75
HF-M BLUE 128 LH TL5 230-240V	-	4.5	75

Logistic data

Product name	National Order Code	Packing type	Packing type description	Packs per outer box	Packing configuration
HF-M BLUE 109 LH TL/PL-S 230-240V	HFMBLUE109LH	UNP	Unpacked	50	50
HF-M BLUE 109 LP TL/PL-S 230-240V	HFM109LP	UNP	Unpacked	432	432
HF-M BLUE 114 LH TL/PL-S/PL-C 230-240V	HFMBLUE114LH	INO	1 Unpacked	50	50
HF-M BLUE 114 LP TL/PL-S/PL-C 230-240V	HFM114LP	UNP	Unpacked	432	432
HF-M BLUE 105 LH TL/PL-S 230-240V	HFMBLUE105LH	UNP	Unpacked	50	50
HF-M BLUE 121 LH TL5 230-240V	HFMBLUE121LH	UNP	Unpacked	50	50
HF-M BLUE 121 LP TL5 230-240V	HFM121LP	UNP	Unpacked	216	216
HF-M BLUE 124 LH TL/TL5/PL-L 230-240V	HFMBLUE124LH	UNP	Unpacked	50	50
HF-M BLUE 124 SH TL/TL5/PL-L 230-240V	HFMBLUE124SH	INO	1 Unpacked	50	50
HF-M BLUE 128 LH TL5 230-240V	HFMBLUE128LH	UNP	Unpacked	50	50

Product name	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
HF-M BLUE 109 LH TL/PL-S 230-240V	1	230	160	144	39	36
HF-M BLUE 109 LP TL/PL-S 230-240V	1	595	320	240	26	20
HF-M BLUE 114 LH TL/PL-S/PL-C 230-240V	1	230	160	144	40	36
HF-M BLUE 114 LP TL/PL-S/PL-C 230-240V	1	595	320	240	26	20
HF-M BLUE 105 LH TL/PL-S 230-240V	1	230	160	144	39	36
HF-M BLUE 121 LH TL5 230-240V	1	230	200	130	46	43
HF-M BLUE 121 LP TL5 230-240V	1	595	345	220	36	24
HF-M BLUE 124 LH TL/TL5/PL-L 230-240V	1	230	200	130	51	45
HF-M BLUE 124 SH TL/TL5/PL-L 230-240V	1	230	200	130	43	40
HF-M BLUE 128 LH TL5 230-240V	1	230	200	130	50	47

Wiring data

Commercial product name	Colour input terminals	Wcs Input terminals (mm ²)	Colour output terminals	Conn.type output terminals	Wcs Output terminals (mm ²)	Max. cable length Device/Lamp (m)	Max. cable length Hot Wires (m)	Striplength (mm)	Wiring Diagram
HF-M BLUE 105 LH TL/PL-S 230-240V	Black	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix1, OldExport-ProdWiringCaptionPrefix2
HF-M BLUE 109 LH TL/PL-S 230-240V	Blue	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix1, OldExport-ProdWiringCaptionPrefix2
HF-M BLUE 109 LP TL/PL-S 230-240V	Blue	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix1, OldExport-ProdWiringCaptionPrefix2
HF-M BLUE 114 LH TL/PL-S/PL-C 230-240V	Grey	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix1, OldExport-ProdWiringCaptionPrefix2
HF-M BLUE 114 LP TL/PL-S/PL-C 230-240V	Grey	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix1, OldExport-ProdWiringCaptionPrefix2
HF-M BLUE 121 LH TL5 230-240V	Grey	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix3

More data see next page

Fluorescent ⇒ Fluorescent Fixed Output gear

HF-Matchbox Blue

Commercial product name	Colour input terminals	Wcs Input terminals (mm ²)	Colour output terminals	Conn.type output terminals	Wcs Output terminals (mm ²)	Max. cable length Device/Lamp (m)	Max. cable length Hot Wires (m)	Striplength (mm)	Wiring Diagram
HF-M BLUE 121 LP TL5 230-240V	Grey	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix2
HF-M BLUE 124 LH TL/TL5/PL-L 230-240V	Orange	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix3
HF-M BLUE 124 SH TL/TL5/PL-L 230-240V	Orange	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix3
HF-M BLUE 128 LH TL5 230-240V	Blue	0.50-1.50	Grey	Insert	0.50-1.50	1.5	0.3	8.0-9.0	OldExport-ProdWiringCaptionPrefix2

