

Xtreme drivers for long life and reliable performance

HF-Performer II Xtreme for TL5/TL-D lamps

Enhance the quality of applications with robust driver technology. HF-Performer Xtreme is a unique X-technology from Philips that guarantees the longest lifetime and highest reliability under the harshest conditions. The ballast is primarily designed for indoor application. For outdoor application, the luminaire should be minimum Class II and need to be sufficiently protected against water & dust. The installation should also be guarded against any lightning surge or any other necessary electrical protection as deemed in such typical installation & application.

Benefits

- HF-P Xtreme has a special cooler "Xtreme" for a long lifetime and low failure rate (0.1%/1,000 hours)
- Suitable for use in outdoor and industrial environments thanks to protection against transients; also suitable for class I and class II luminaires
- HF-P Xtreme gear is optimized for the unique dosing of the emitter, resulting in an optimized lamp life with over 100,000 on/off switching operations on one lamp

Features

- Protects against transient voltage peaks up to 4,000 V and excessive mains voltage and incorrect connections up to 400 V
- Nominal service life of over 250,000 hours at $T_a = 50^\circ\text{C}$
- Thermally robust to operate efficiently under the toughest conditions

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Application

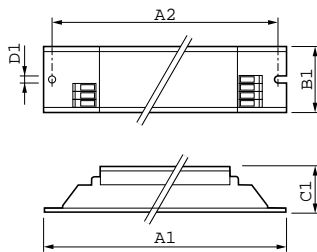
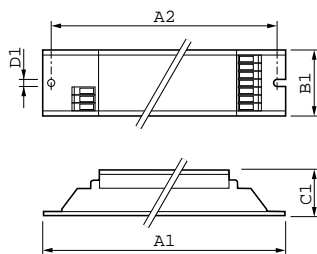
- Ideal for applications with high maintenance costs or where lamp failure is unacceptable
- Can be used with movement-detection control systems like Philips OccuPlus
- Applications where gear replacement can cause unsafe situations, hassle or high costs, such as installations with high ceilings or in geographically remote areas, tunnels, airports or underground railway stations
- Industrial premises such as food-processing and petrochemical plants

Versions



HF-P Xt 136 TL-D EII 220-240V 50/60Hz

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-P Xt 280 TL5 EII 220-240V	4.2 mm	28.0 mm	425.0 mm	415.0 mm	30.0 mm
HF-P Xt 249 TL5 EII 220-240V	4.2 mm	28.0 mm	360.0 mm	350.0 mm	30.0 mm
50/60Hz					
HF-P Xt 258 TL-D EII 220-240V	4.2 mm	28.0 mm	360.0 mm	350.0 mm	30.0 mm
50/60Hz					

Product	D1	C1	A1	A2	B1
HF-P Xt 158 TL-D EII 220-240V	4.2 mm	28.0 mm	360.0 mm	350.0 mm	30.0 mm
50/60Hz					
HF-P Xt 136 TL-D EII 220-240V	4.2 mm	28.0 mm	360.0 mm	350.0 mm	30.0 mm
50/60Hz					

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Approval and Application

Energy Efficiency Index	A2
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Operating and Electrical

Input Frequency	50 to 60 Hz
Input Voltage	220 to 240 V

General Information

Order Code	Full Product Name	Number Of Products On		
		MCB (16A Type B) (Nom)	Number Of Lamps	Lamp Type
913700617766	HF-P Xt 136 TL-D EII 220-240V 50/60Hz	28	1 piece/unit	TL-D
913700617966	HF-P Xt 158 TL-D EII 220-240V 50/60Hz	28	1 piece/unit	TL-D
913700618066	HF-P Xt 258 TL-D EII 220-240V 50/60Hz	12	2 piece/unit	TL-D

Order Code	Full Product Name	Number Of Products On		
		MCB (16A Type B) (Nom)	Number Of Lamps	Lamp Type
913700629866	HF-P Xt 249 TL5 EII 220-240V 50/60Hz	12	2 piece/unit	TL5
913700630266	HF-P Xt 280 TL5 EII 220-240V	8	2 piece/unit	TL5

Mechanical and Housing

Order Code	Full Product Name	Housing
913700617766	HF-P Xt 136 TL-D EII 220-240V 50/60Hz	L 360x30x28
913700617966	HF-P Xt 158 TL-D EII 220-240V 50/60Hz	L 360x30x28
913700618066	HF-P Xt 258 TL-D EII 220-240V 50/60Hz	L 360x30x28

Order Code	Full Product Name	Housing
913700629866	HF-P Xt 249 TL5 EII 220-240V 50/60Hz	L 360x30x28
913700630266	HF-P Xt 280 TL5 EII 220-240V	L 425x30x28

System characteristics

Order Code	Full Product Name	Lamp		
		Power On TL5	Lamp Power On TL-D	Rated Ballast-Lamp Power
913700617766	HF-P Xt 136 TL-D EII 220-240V 50/60Hz	-	32 W	36 W
913700617966	HF-P Xt 158 TL-D EII 220-240V 50/60Hz	-	50 W	58 W
913700618066	HF-P Xt 258 TL-D EII 220-240V 50/60Hz	-	50 W	58 W

Order Code	Full Product Name	Lamp		
		Power On TL5	Lamp Power On TL-D	Rated Ballast-Lamp Power
913700629866	HF-P Xt 249 TL5 EII 220-240V 50/60Hz	49 W	-	49 W
913700630266	HF-P Xt 280 TL5 EII 220-240V	80 W	-	80 W

