

ARTICLE PASSPORT

General Information	
Date Of Specification (first version)	20260605
If Amendments were made: Date Of This Updated Specification	
Product Description	LED T45 Form E27 12W 1350lm nd 830
Hornbach Article Number	12740513
Model Number	T45S3-12W
Vendor Article Number	T45S3-12W
GTIN (former EAN Code)	430651688516
Brand	Flair
Vendor	XIAMEN YANKON ENERGETIC LIGHTING CO.,LTD, No.88, Houxiang Road, Haicang District, Xiamen,China 361026
Picture	

Dimensions	
Product Dimension (LxWxH)	45x 45x 147mm (L x W x h)
Product Net Weight	0.06 Kg
Sales Packaging Dimension (LxWxH)	46x 46x 150mm (L x W x h)
Sales Packaging Gross Weight (Kg)	0.08Kg
Inner carton Dimensions (LxWxH)	244x 100x 160mm
Inner Carton Gross Weight (Kg)	0.83 Kg
Product quantity per Inner carton (pcs)	10
Export Carton Dimensions (LxWxH)	536x 264x 356 mm (L x W x h)
Export Carton Gross Weight	8.79 Kg
Product quantity per Export carton (pcs)	100
Tolerances	Length: ± 10 mm Width: ± 10mm Height: ± 10mm Weight: ± 10%

Significant Characteristics (function, material, ...)	
LED T45 12W 1350lm Non-Dim 3000K 220-240V E27 RA≥80 Class E 15000H Frosted	
Parameter	Inspection checking limit average of 5pcs sample size
Power consumption (Rated power x 1.08)	Upper limit = 12.96W (No lower limit)
Useful luminous ϕ_{use} (lm) (Rated lumen x 0.92)	Lower limit = 1242lm (No upper limit)
CRI (Rated CRI – 2 units)	Lower limit = 78 (No upper limit)
Beam angle (non-direction lamp)	Non-direction lamp (No need for this measurement)
Correlated color temp (K) (Rated CT x +/- 8%)	Lower limit = 2760K; Upper limit = 3240K
Total mains efficacy η_{TM} [(lm/W x F_{TM}) x 0.96]	Lower limit = 108

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Directive / Standards / Approvals	
Directive / Standards (without date of issue)	LVD: EN 62560:2012+A1:2015+A11:2019 EN 62471:2008 EN 62493:2015 + A1:2022 EK1 527-12 Rev.2 EMC: EN IEC 55015:2019+A11 CISPR 15:2018 AS/NZS CISPR 15:2025 EN IEC 61000-3-2:2019+A1+A2 IEC 61000-3-2:2018+A1+A2 EN 61000-3-3:2013+A1+A2 IEC 61000-3-3:2013+A1+A2 EN 61547:2023 IEC 61547:2020 ERP Report: CN25CQW5 001 (Erp 0h Report) CN25CQW5 002 (Erp 1200h Report) ROHS Report: 68.402.25.0525.01A Rev.03
Approvals	TUV RL

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Component List									
Part No.	Part	Dimensions					Material Thickness	Material	Qty
		L	W	H	Dia	Weight			
	T45S3-12W	45	45	147		0.06 Kg		Plastic	

Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾ 2)
Fuse resistor for A60F7-3SD-7WDP and T45S3-13.7W models	B, C	Great Technology Co.,Ltd.	RXF series, RF10 series, SRF series	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E301541 Test with appliance
Alternative	D	NANJING SHAGON ELECTRONICS CO LTD	RXF, RF10	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E304814 Test with appliance
Alternative	D	UNIROYAL ELECTRONICS INDUSTRY CO LTD	FRN series	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E245468 Test with appliance
Alternative	D	Shenzhen Lanbao Anke Electronics CO LTD	RXF21	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E482793 Test with appliance
Alternative	D	Zhang zhou Shenghuaou Electronic Technology Co Ltd	RXF series	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E492937 Test with appliance
Alternative	D	Hunan Longkingdom Electronics Technology Co Ltd	FKNP1W* series, FKNP1WS* series, FKNP2WS* series	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E492804 Test with appliance
Alternative	D	XIAMEN SET ELECTRONICS CO LTD	TRXF1 series, TRXF2 series	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E214712 Test with appliance
Alternative	D	Sichuan Eguanxin Electronics Co Ltd	RXF21	10Ω or 33Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E506527 Test with appliance
Fuse resistor for PAR16S2-4.9W and PAR16S2-6WD models	B, C	Great Technology Co.,Ltd.	RXF series, RF10 series, SRF series	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E301541 Test with appliance

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Alternative	D	NANJING SHAGON ELECTRONICS CO LTD	RXF, RF10	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E304814 Test with appliance
Alternative	D	UNIROYAL ELECTRONICS INDUSTRY CO LTD	FRN series	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E245468 Test with appliance
Alternative	D	Shenzhen Lanbao Anke Electronics CO LTD	RXF21	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E482793 Test with appliance
Alternative	D	Zhang zhou Shenghuaou Electronic Technology Co Ltd	RXF series	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E492937 Test with appliance
Alternative	D	Hunan Longkingdom Electronics Technology Co Ltd	FKNP1W* series, FKNP1WS* series, FKNP2WS* series	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E492804 Test with appliance
Alternative	D	XIAMEN SET ELECTRONICS CO LTD	TRXF1 series, TRXF2 series	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E214712 Test with appliance
Alternative	D	Sichuan Eguanxin Electronics Co Ltd	RXF21	4,7Ω, 10Ω, 15Ω, 33Ω, 47Ω, 68Ω, 75Ω, 100Ω, 150Ω, 200Ω or 250Ω; 1W, 1WS, 1WX, 1/2W, 1/2WS or 2WS	EN 62560	UL E506527 Test with appliance
Internal wire	B, C	XINYA ELECTRONIC CO LTD	1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc	EN 62560	UL E170689 Test with appliance

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			1061	28AWG-24AWG; 80°C; 300Vac		
			1316	26AWG-24AWG; 105°C; 600Vac		
			1332	28AWG-24AWG; 200°C; 300Vac		
			10368	28AWG-24AWG; 105°C; 300Vac		
			1430	28AWG-24AWG; 105°C; 300Vac		
			1569	28AWG-24AWG; 80/90/105°C; 300Vac		
			1007	28AWG-24AWG; 80°C; 300Vac		
			2651	28AWG-24AWG; 105°C; 300Vac		
			3266	28AWG-24AWG; 125°C; 300Vac		
Alternative	D	FOSHAN YUTONG ELECTRONIC CO LTD	1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc	EN 62560	UL E345056 Test with appliance
			3266	28AWG-24AWG; 125°C; 300Vac		
Alternative	D	DONGGUAN ZHONGZHENG WIRE & CABLE TECH CO LTD	1672	28AWG-24AWG; 105°C; 300Vac	EN 62560	UL E336285 Test with appliance
			2651	28AWG-24AWG; 105°C; 300Vac		
			1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc		
			1061	28AWG-24AWG; 80°C; 300Vac		
			2464	28AWG-24AWG; 80°C; 300Vac		
			1430	28AWG-24AWG; 105°C; 300Vac		
			3239	28AWG-24AWG; 200°C; 60000Vdc		
			3266	28AWG-24AWG; 125°C; 300Vac		
			10368	28AWG-24AWG; 105°C; 300Vac		
			1569	28AWG-24AWG; 80/90/105°C; 300Vac		
			1007	28AWG-24AWG; 80°C; 300Vac		
Alternative	D	DONGGUAN WORLDFUL ELECTRIC WIRE CO LTD	1007	24-28AWG; 80°C; 300V	EN 62560	UL E317806 Test with appliance
			1430	24-28AWG; 125°C; 300V		

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			1322	24-28AWG; 200°C; 300V		
			3266	24-28AWG; 125°C; 300V		
			3239	24-28AWG; 105°C; 300V		
Alternative	D	DONGGUAN HUAJUNDA CO LTD	1332	28AWG-24AWG; 200°C; 300Vac	EN 62560	UL E363052 Test with appliance
			3239	28AWG-24AWG; 200°C; 60000Vdc		
Alternative	D	TONGXIANG YIMA WEIHUA PLASTICS WIRE FACTORY	1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc	EN 62560	UL E201262 Test with appliance
Alternative	D	GAOYOUSHI DINGTIAN GAOFENZI CAILIAO CO LTD	1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc	EN 62560	UL E344671 Test with appliance
			1430	28AWG-24AWG; 105°C; 300Vac		
			3239	28AWG-24AWG; 200°C; 60000Vdc		
			3266	28AWG-24AWG; 125°C; 300Vac		
Alternative	D	DONG GUAN SHENG PAI ELECTRIC WIRE & CABLE CO LTD	1332	28AWG-24AWG; 200°C; 300Vac	EN 62560	UL E347603 Test with appliance
			3239	28AWG-24AWG; 200°C; 60000Vdc		
Alternative	D	Dongguan Zelongkang Wire Co., Ltd	1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc	EN 62560	UL E330488 Test with appliance
			1332	28AWG-24AWG; 200°C; 300Vac		
			3239	28AWG-24AWG; 200°C; 60000Vdc		
			3266	28AWG-24AWG; 125°C; 300Vac		
Alternative	D	Dongguan Linoya Wire&Cable Co Ltd	1007	28AWG-24AWG; 80°C; 300Vac	EN 62560	UL E315618 Test with appliance
			1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc		
			1061	28AWG-24AWG; 80°C; 300Vac		
			1316	26AWG-24AWG; 105°C; 600Vac		
			1332	28AWG-24AWG; 200°C; 300Vac		
			1430	28AWG-24AWG; 105°C; 300Vac		
			1672	28AWG-24AWG; 105°C; 300Vac		
			1569	28AWG-24AWG; 80/90/105°C; 300Vac		

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			2464	28AWG-24AWG; 80°C; 300Vac		
			2651	28AWG-24AWG; 105°C; 300Vac		
			3239	28AWG-24AWG; 200°C; 60000Vdc		
			3266	28AWG-24AWG; 125°C; 300Vac		
			10368	28AWG-24AWG; 105°C; 300Vac		
Alternative	D	Xiamen Min Gao Tai Xin Electronic Technology Co Ltd	1569	28AWG-24AWG; 80/90/105°C; 300Vac	EN 62560	UL E315618 Test with appliance
			1007	28AWG-24AWG; 80°C; 300Vac		
			1015	28AWG-24AWG; 80/90/105°C; 600Vac/750Vdc		
			3266	28AWG-24AWG; 125°C; 300Vac		
			10368	28AWG-24AWG; 105°C; 300Vac		
			3173	26AWG-24AWG; 125°C; 600Vac		
Alternative	D	GUANGDONG HAERKN NEW ENERGY CO LTD	3266	28AWG-24AWG; 125°C; 300Vac	EN 62560	UL E300956 Test with appliance
Alternative	D	Xiamen Ju Ming Xin Electronic Technology Co Ltd	3266	28AWG-24AWG; 125°C; 300Vac	EN 62560	UL E498651 Test with appliance
Heat- shrinkable tube	B, C	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR(CB)	125°C; 300V	EN 62560	UL E203950 Test with appliance
			RSFR-H	125°C; 600V		
			RSFR	125°C; 600V		
			RSFR-135G, AMS	125°C; 600V		
			RSFR-HPF	125°C; 600V		
			RSFR- HPF(CB)	125°C; 300V		
Alternative	D	DONGGUAN SALIPT CO LTD	SALIPT S- 901-600	125°C; 600V	EN 62560	UL E209436 Test with appliance
			SALIPT S- 901-300	125°C; 300V		
			SALIPT S- HPT-600	125°C; 600V		
Alternative	D	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT	125°C; 600V	EN 62560	UL E180908 Test with appliance
			CB-HFT(XY)	125°C; 600V		
			CYG-MT	125°C; 600V		
			CB-HFT(TM)	125°C; 600V		

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			CB-HFT*	125°C; 300V		
			CB-HFT(XY)*	125°C; 300V		
			CYG-MT*	125°C; 300V		
Alternative	D	DONG GUAN HUANG FENG INSULATION MATERIAL CO LTD	HFT-2	125°C; 600V	EN 62560	UL E236485 Test with appliance
Alternative	D	DONGGUAN ZHIZHENG RUBBER & PLASTIC MATERIAL CO LTD	ZZT-1	125°C; 600V	EN 62560	UL E325740 Test with appliance
Alternative	D	GREAT HOLDING INDUSTRIAL CO LTD	TFL	200°C; 150V	EN 62560	UL E156256 Test with appliance
DC connector on LED module	B, C	KINGFA SCI & TECH CO LTD	Vicryst R8(gg)(ccc)(r5)	V-0; 130°C	EN 62560	UL E171666 Test with appliance
Alternative	D	Wenzhou JKUN Connector Co Ltd	L018D	V-0	EN 62560	UL E473017 Test with appliance
Plastic enclosure and lamp cap insulator / lining	D	KINGFA SCI & TECH CO LTD	PBT-RG301(r1)	V-0; 125°C	EN 62560	UL E171666 Test with appliance
Alternative	D	NANTONG ZHONGLAN ENGINEERING PLASTICS CO LTD	403G-M(xx)	V-0; 130°C	EN 62560	UL E255317 Test with appliance
Alternative	D	CHANG CHUN CHEMICAL (ZHANGZHOU) CO LTD	4115(f1)	V-0; 120°C	EN 62560	UL E304813 Test with appliance
Alternative	D	XIAMEN TIANYU NEW MATERIAL TECHNOLOGY CO LTD	PBT-TGA	V-0; 105°C	EN 62560	UL E309739 Test with appliance
			PC-DS	V-2; 80°C		
Alternative	D	NANTONG ORIENT PLASTICS CO LTD	3080 GF(XX)	V-0; 75°C	EN 62560	UL E332375 Test with appliance
Alternative	D	CGN-TOXXON (XIAMEN) NEW MATERIALS CO LTD	PBT300-302(f1)	V-0; 110°C	EN 62560	UL E235103 Test with appliance
			PA6400-801(f1)	V-0; 120°C		
Alternative	D	GUANGDONG GREAT MATERIALS CO., LTD	TCP.PA-PS28A	V-0; 130°C	EN 62560	UL E464888 Test with appliance

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Plastic lens	B, C	XIAMEN TIANYU NEW MATERIAL TECHNOLOGY CO LTD	PC-DS	V-2; 80°C	EN 62560	UL E309739 Test with appliance
Alternative	D	SABIC INNOVATIVE PLASTICS B V	LUX2180T(f 1)	V-2; 120°C	EN 62560	UL E45329 Test with appliance
Alternative	D	IDEMITSU KOSAN CO LTD	LEV1700KL, (#)2200(+)(f 2)	V-2; 125°C	EN 62560	UL E48268 Test with appliance
Alternative	D	NANTONG ORIENT PLASTICS CO LTD	PC DF82 (aa)	V-0; 80°C	EN 62560	UL E332375 Test with appliance
Alternative	D	TEIJIN LIMITED RESIN AND PLASTIC	L-1250U (#)(f1), L-1250Z(#)(f1)	V-2; 80°C	EN 62560	UL E50075 Test with appliance
Alternative	D	Ningbo Dachuan Polymer Materials Technology Co Ltd	FRPC-X	V-0; 80°C	EN 62560	UL E487441 Test with appliance
PCB	B, C	XIAMEN XINANTAIFA INDUSTRIAL CO LTD	ATF-04A, ATF-04, ATF-03A, ATF-05	V-0; 130°C	EN 62560	UL E201516 Test with appliance
Alternative	D	FOSHAN GUOLI OPTOELECTRONICS TECHNOLOGY CO LTD	GL-02, GL-06, GL-07(ASP1)	V-0; 130°C	EN 62560	UL E464709 Test with appliance
Alternative	D	MEIXIAN JINJIANG CIRCUIT BOARD CO LTD	JJ-V0, JJ-C1, JJ-F4	V-0; 130°C	EN 62560	UL E343859 Test with appliance
Alternative	D	Guangdong Hetong Technology Co Ltd	CEM1, 2V0, FR4	V-0; 130°C	EN 62560	UL E343859 Test with appliance
			HT-AL	V-0; 100°C		
Alternative	D	Fujian Milky-way Technology Co Ltd	MW-CEM1, MW-2, MW-R4	V-0; 130°C	EN 62560	UL E168066 Test with appliance
Alternative	D	Jiangxi Xinchishuo Electronics Co., Ltd	TSX-1	V-0; 105°C	EN 62560	UL E502180 Test with appliance
Alternative	D	HuBei YongChuangXin Electronics Co Ltd	ycx-2	V-0; 105°C	EN 62560	UL E480435 Test with appliance
Alternative	D	Jiangxi Chishuo Circuit Co., Ltd	TY-001, TY-005	V-0; 130°C	EN 62560	UL E496359 Test with appliance
Alternative	D	Jiangmen He Cheng Electronics Co., Ltd	HC-D (ASP 1)	V-0; 130°C	EN 62560	UL E534574 Test with appliance
Alternative	D	Zhejiang Leuchtekt Technology Co Ltd	PCEM-1	V-0; 130°C	EN 62560	UL E199273 Test with appliance

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LED PCB	C	--	Metal	--	EN 62560	Test with appliance
LED for A60F7-3SD-7WDP models	C	HONGLI	5315-2601, 5330-2601	If: 25mA, Vf: 69V; If: 30mA, Vf: 70V; 1800K-6500K	IEC TR 62778 EN 62471	Test with appliance
LED for PAR16S2-4.9W and PAR16S2-6WD models	C	SAMSUNG	SAMSUNG 20mA, SAMSUNG 30mA	If: 20mA, Vf: 54V; If: 30mA, Vf: 36V; 1800K-6500K	IEC TR 62778 EN 62471	Test with appliance
Alternative	C	HONGLI	HONGLI 20mA, HONGLI 30mA	If: 20mA, Vf: 54V; If: 30mA, Vf: 36V; 1800K-6500K	IEC TR 62778 EN 62471	Test with appliance
Alternative	C	BRIDGELUX	BRIDGELUX 20mA, BRIDGELUX 30mA	If: 20mA, Vf: 54V; If: 30mA, Vf: 36V; 1800K-6500K	IEC TR 62778 EN 62471	Test with appliance
LED for T45S3-13.7W models	C	Lumileds	Lumileds 100mA	If: 100mA, Vf: 9V; 1800K-6500K	IEC TR 62778 EN 62471	Test with appliance
Alternative	C	HONGLI	HONGLI 100mA	If: 100mA, Vf: 9V; 1800K-6500K	IEC TR 62778 EN 62471	Test with appliance
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039. 2) License available upon request. The codes above have the following meaning: A - The component is replaceable with another one, also certified, with equivalent characteristics B - The component is replaceable if authorised by the test house C - Integrated component tested together with the appliance D - Alternative component						

Accessories

Part No.	Part	Dimensions	Material Thickness	Material	Qty
	N/A				

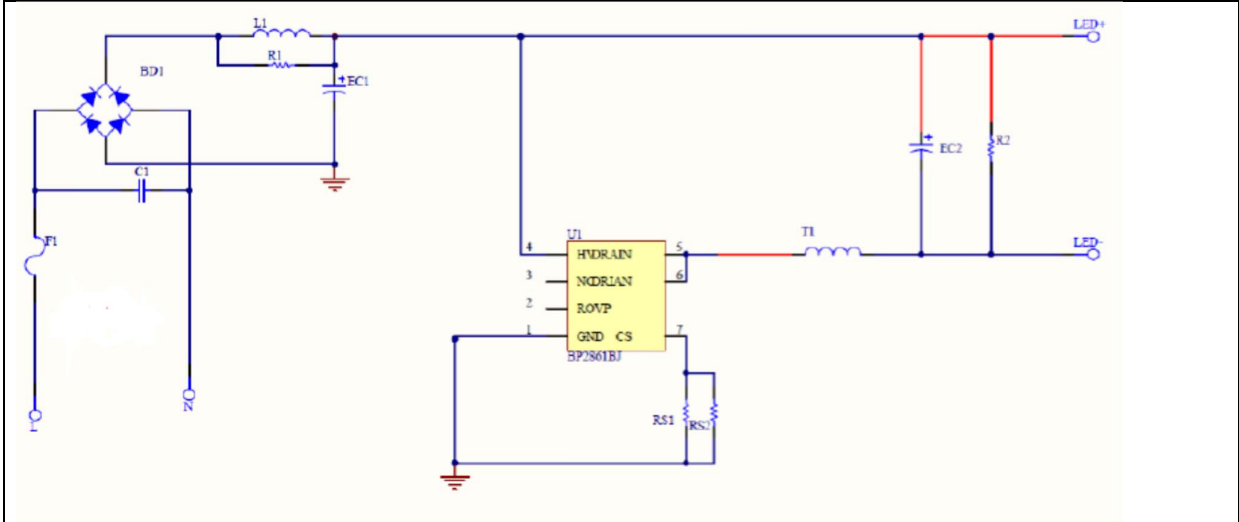
Mounting Tools

Part No.	Tool	Dimensions	Material Thickness	Material	Qty
	N/A				

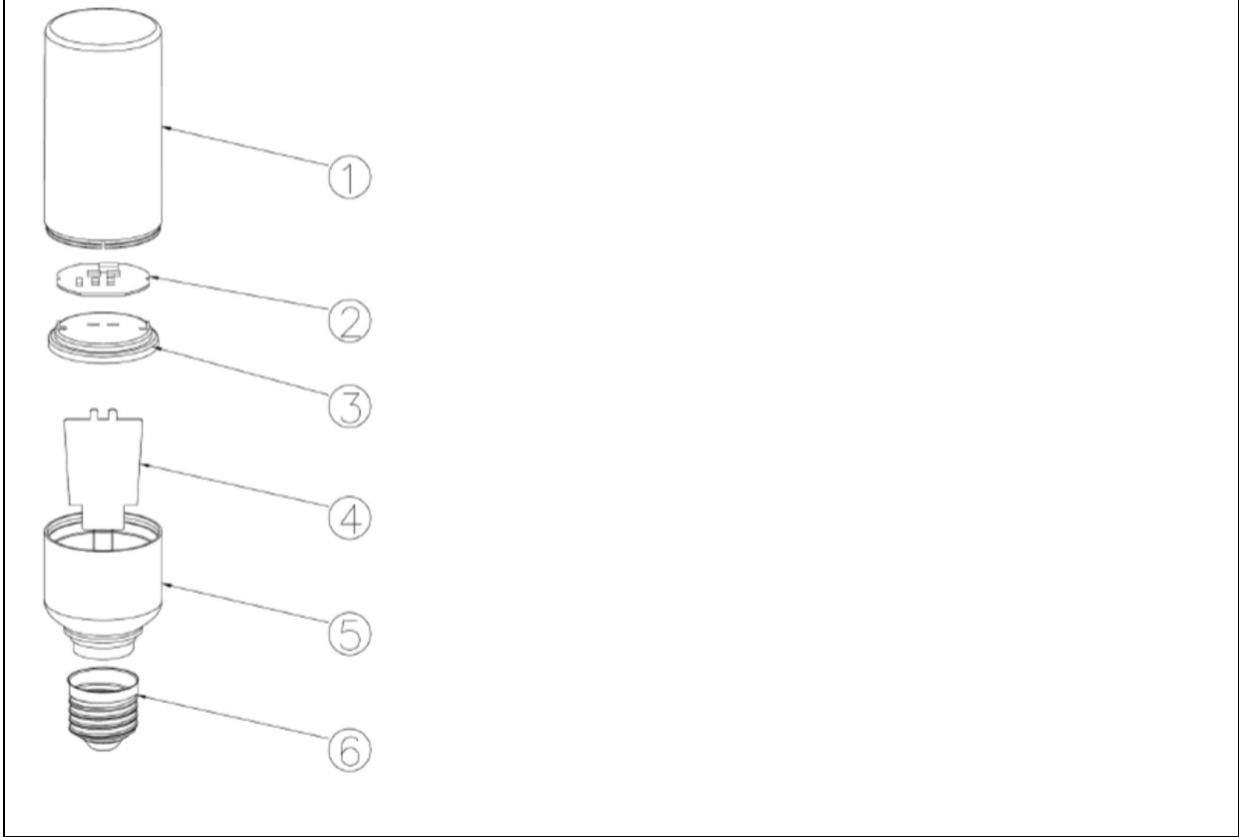
Technical Drawing / Exploded Drawing

Technical Drawing:

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Explosion Drawing



Special Check Points	
N/A	N/A
Failure findings in the safety construction check (If any)	Corrective actions for the failure points
N/A	N/A
Customer complaint for non-conformation point (If any)	Corrective actions for customer complaint

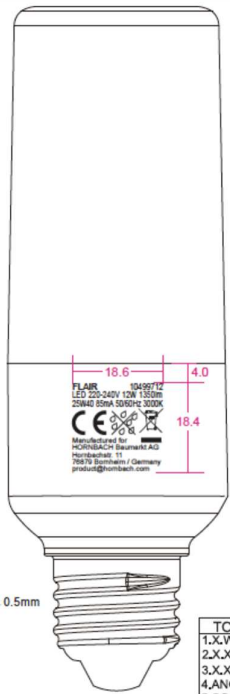
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Pictures	
Product front view	Product back view
	
Product side view (Left)	Product side view (Right)
	
Sales packaging (front)	Sales packaging (back)
	
Sales packaging (left)	Sales packaging (Right)

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 Uvoznik za Republiku Srbiju: HORNBAACH Bauelemente AG, Beograd Omladinskih brigada 88 11070 Novi Beograd, Republika Srbija Zemlja porekla: Kina	
Sales packaging (Top)	Sales packaging (Bottom)
	
Rating label	Etching (If any)

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 FLAIR 12740513 LED 220-240V 12W 1350lm 25W40 85mA 50/60Hz 3000K CE Manufactured for HORN BACH Baumarkt AG Hornbachstr. 11 76879 Bornheim / Germany product@hornbach.com	N/A
Shipping marks (Export carton)	Shipping marks (Inner, if any)
HORN BACH Article No.: 12740513 P.O. No.: 4990065953 Product description: LED T45 Form E27 12W 1350lm nd 830 Quantity: 100 UNITS Gross weight: kg Net weight: 6.10 kg Country of origin: Made in P.R.C. Dimensions: 53.6×26.4×35.6 cm ↑↑ 🍷 ☔ PO No. will change based on different order.	
IM cover	Others supporting photo.
N/A	N/A
Special remarks	
The inspector should use the instruction provided by Yankon to verify the test settings of the measurement equipment and, if necessary, adjust them accordingly. The objective is to ensure that measurements are carried out exclusively in accordance with the IEC standards relevant for the EU and that no US standards are applied anymore.	

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Amendment History		
Date Of Specification	Section	Amendment Details
20260605	NEW	First edition