

CERTIFICATE ENEC/FI 2013023



Our Ref. 271969-1

Product Ballast for discharge lamps, tw-marked
Rating and principal characteristics 220/ 230/ 240V, 50Hz; tw 130, 50- 125W-QE; 35-100W-MT; 50-100W-SE/ ST

Trade mark (if any) HELVAR
Types E...LU series, NK...LU series

Name and address of the licensee Helvar Oy Ab
 PL 100
 FI-03601 KARKKILA, FINLAND

Address of the manufacturer Helvar Oy Ab
 Yrittäjätie 23
 FI-03600 KARKKILA, FINLAND

Is in conformity with EN 61347-2-9:2013
 EN 61347-1:2008 + A1:2011
 EN 60923:2005 + A1:2006
 IEC 61347-2-9:2012 (Ed2)
 IEC 61347-1:2007 (Ed2)+A1:2010+A2:2012

As shown in the Test Report(s) No(s) 271969-1

It is authorized to use of the marks ENEC 16 and FI

Validity This certificate is valid until 29 April 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the ENEC 16 and FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for ENEC and FI certification are met.

Directive information The product(s) fulfils the essential safety requirements for CE conformity marking according to the Low Voltage Directive (2006/95/EC) at the date of issue of this certificate.

With the following limitations -

Date of issue 29 April 2013

Signature 
 Kari Vesterinen
 Product Line Manager



This certificate has 3 pages



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx> Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Manufacturing site Helvar Oy Ab
Yrittäjätie 23
FI-03600 KARKKILA, FINLAND

Additional information The product has CB certificate No. 7879 issued SGS Fimko Ltd. in accordance with the CB system. This certificate replaces earlier certificate ENEC FI 2012011 M1, dated 17 January 2013, due to added new model and updated standards.

TYPE	RATINGS	TEST REPORT No.
E 50 LU 220V 50Hz	220V, 50 Hz, QE-50W-E27, 0,62A, λ 0,42, tw 130, Δt 60	207423-1, 271969-1
E 50 LU 230V 50Hz	230V, 50Hz, QE-50W-E27, 0,62A, λ 0,42, tw 130, Δt 60	243192-5_A, 243192-5_B, 271969-1
E 80 LU 220V 50Hz	220V, 50 Hz, QE-80W-E27, 0,80A, λ 0,50, tw 130, Δt 65	204793-1, 271969-1
E 80 LU 230V 50Hz	230V, 50Hz, QE-80W-E27, 0,80A, λ 0,50, tw 130, Δt 65	243192-4, 271969-1
E 80/50 LU 230V 50Hz	230V, 50Hz, QE-80W/50W-E27, 0,80/0,62A, λ 0,50/0,42, tw 130, Δt 65/55	243192-3_A, 243192-3_B, 243192-3_C, 271969-1
E 80/50 LU 230V/240V 50Hz	230/240V, 50/80W QE, λ 0,42/0,50, tw130, Δt 60/70	200889-1, 271969-1
E 80/50 LUP 230V 50Hz	230V, 50Hz, QE-80W/50W-E27, 0,80/0,62A, λ 0,50/0,42, tw 130, Δt 65/55	243192-3_A, 243192-3_B, 243192-3_C, 271969-1
E 125 LU 220V 50Hz	220V, 50Hz, 125W/QE, 1,15A, λ 0,55, tw 130, Δt 70	204833-1, 271969-1
E 125 LU 230V 50Hz	230V, 50Hz, QE-125W-E27, 1,15A, λ 0,55, tw 130, Δt 70	243192-2_A, 243192-2_B, 271969-1
E 125/80 LU 220V 50Hz	220V, 50 Hz, tw 130, Δt 70, 80W/QE, 0,80A, λ 0,50, 125W/QE, 1,15A, λ 0,55	207233-1, 271969-1
E 125/80 LU 230V 50Hz	230V, 50Hz, tw 130 QE-125W-E27, 1,15A, λ 0,55, Δt 70 QE-80W-E27, 0,80A, λ 0,50, Δt 60	243192-1, 271969-1
E 125/80 LU 230V/240V 50Hz	230/ 240V, 50Hz, tw 130, QE-125W-E27, 1,15A, λ 0,55, Δt 70 QE-80W-E27, 0,80A, λ 0,50, Δt 60	200187-1, 271969-1
E 125/80 LUP 230V 50Hz	230V, 50Hz, tw 130, QE-125W-E27, 1,15A, λ 0,55, Δt 70. QE-80W-E27, 0,80A, λ 0,50, Δt 60	230318-1, 200187-1, 271969-1
NK 35 LU 230V/240V 50Hz	230/240V, 50Hz, 35W/MT, 0,53A, λ 0,38, tw130, Δt 50	192775-1, 192775-3, 271969-1
NK 35 LUP 230V/240V 50Hz	230/240V, 50Hz, 35W/MT, 0,53A, λ 0,38, tw130, Δt 50	192775-1, 192775-3, 271969-1
NK 35 LU 230V/240V 50Hz	230/240V, 50Hz, 1xSDW 35W, λ 0,38, tw130, Δt 50	218416-1, 271969-1

NK 50 LU 220V/230V 50Hz	220/230V, 50Hz, 50W/SE, 0,75A, λ 0,38, tw130, Δt 70	204059-1, 271969-1
NK 50 LUP 230V/240V 50Hz	230/240V, 50Hz, Na 50W (SE-50-E/I-E27), 0,75A; λ 0,38, tw130, Δt 70	247453-6_A and _B, 271969-1
NK 50 LUS 230V/240V 50Hz	230/240V, 50Hz, SDW-T 50W (STH-50-H/E-PG12), 0,76A; λ 0,40; tw130, Δt 50	247453-1, 271969-1
NK 70 LU 220V/230V 50Hz	220/230V, 50Hz, SE/ST 70W, MT/MD 70W, 1,0A, λ 0,39, $\hat{u} = 2,3$ kV, tw 130, Δt 70	247453-3_A, _B AND _C, 271969-1
NK 70 LU 230V/240V 50Hz	230/240V, 50Hz, 70W/SE/ST, 70W/ME/MD, 1,0A, λ 0,39, tw 130, Δt 70	247453-2_A, _B AND _C, 271969-1
NK 70 LUP 220V/230V 50Hz	220/230V, 50Hz, SE/ST 70W, MT/MD 70W, 1,0A, λ 0,39, $\hat{u} = 2,3$ kV, tw 130, Δt 70	247453-3_A, _B AND _C, 271969-1
NK 70 LUP 230V/240V 50Hz	230/240V, 50Hz, 70W/SE/ST, 70W/ME/MD, 1,0A, λ 0,39, tw 130, Δt 70	247453-2_A, _B AND _C, 271969-1
NK 70 LUE 230V 50Hz	230V, 50Hz, 70W/SE/ST/ME/MD, 1,0A, λ 0,38, tw130, Δt 75	269347-1_A Amendment -1, _B AND _C, 271969-1
NK 70 LUE 230V/240V 50Hz	230/ 240V, 50Hz; 70W/ SE/ ST/ MT/ ME/ MD; 1,0A; λ 0,38/0,36; tw 130, Δt 75/80	269347-1_A, _B AND _C, 271969-1
NK 70 LUPE 230V/240V 50Hz	230/ 240V, 50Hz; 70W/ SE/ ST/ MT/ ME/ MD; 1,0A; λ 0,38/0,36; tw 130, Δt 75/80	269347-1_A, _B AND _C, 271969-1
NK 70 LUPK 220V/230V 50Hz	220/ 230V, 50Hz; 70W/ SE/ ST/ MT/ ME/ MD; 0,98A; λ 0,39; tw130, Δt 65	247453-4_D, _E AND _F, 271969-1
NK 70 LUPK 230V/240V 50Hz	230/ 240V, 50Hz; 70W/ SE/ ST/ MT/ ME/ MD; 0,98A; λ 0,39; tw130, Δt 65	247453-4_A, _B AND _C, 271969-1
NK 70 LUPK-140C 230V/240V 50Hz	230/ 240V, 50Hz; 70W/ SE/ ST/ MT/ ME/ MD; 0,98A; λ 0,39; tw 130, Δt 65	247453-4_A, _B AND _C, 271969-1
NK 70/50 LU 230V/240V 50Hz	230/240V, 50Hz, tw 130, SE 70W, 1,0A, λ 0,39, Δt 75, SE 50W, 0,75A, λ 0,38, Δt 60	247453-1_A, _B AND _C, 271969-1
NK 70/50 LUP 230V 50Hz	230V, 50Hz, tw 130, SE 70W, 1,0A, λ 0,39, Δt 75, SE 50W, 0,75A, λ 0,38, Δt 60	247453-1_A, _B AND _C, 271969-1
NK 70/50 LUP 240V 50Hz	240V, 50Hz, tw 130, SE 70W, 1,0A, λ 0,39, Δt 75, SE 50W, 0,75A, λ 0,38, Δt 60	247453-1_A, _B AND _C, 271969-1
NK 100 LU 230V/240V 50Hz	230/240V, 50Hz, tw 130, Δt 80, 100W / SE / ST, 1,2A, λ 0,44, 100W / ME, 1,1A, λ 0,44	195068-1, 271969-1
NK 100 LUP 230V/240V 50Hz	230/240V, 50Hz, tw 130, Δt 80, 100W / SE / ST, 1,2A, λ 0,44, 100W / ME, 1,1A, λ 0,44	195068-1, 214583-1, 271969-1
NK 100 LUS 230V/240V 50Hz	230-240V, 50Hz, 1x 100W/ STH (SDW-T), 1,31A, λ 0,40, tw 130, Δt 80	218416-3, 271969-1