

Electronic transformers for low-voltage halogen lamps



- Effect and accent lighting
- Living rooms
- Object lighting
- Conference rooms
- Restaurants
- Recessed and surface-mounted furniture luminaires
- Shop lighting
- Event rooms

- Very low power loss thanks to high efficacy
- Through-wiring possible on the primary side
- Large temperature range
- Protective operation throughout the entire partial-load range for long lamp life
- High efficiency

- Line frequency: 50...60 Hz
- RI suppression: to EN 55015 (A1: 2007)/CISPR 15, EN 55022
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Safety: to EN 61347
- Short-circuit protection, overload protection, overtemperature protection: electronically reversible
- Electrical isolation between the primary side and the secondary side
- Dimmable on the leading edge and trailing edge

Technical data

Electrical data

Product description	Lamp wattage	Maximum output power	Line current	Nominal voltage	Operating frequency
HTL 105/230...240	35...105 W	105 W	0.44 A ¹⁾	230...240 V	40 kHz ²⁾
HTL 225/230...240	50...225 W	225 W	0.90 A ¹⁾	230...240 V	50 kHz ²⁾
Product description	Nominal output voltage	Efficiency in full-load			
HTL 105/230...240	11.6 / 11.3 V ³⁾	95 %			
HTL 225/230...240	11.6 / 11.7 V ⁴⁾	94 %			

¹⁾ Effectively
²⁾ Approximately
³⁾ 105 W / 35 W
⁴⁾ 225 W / 50 W

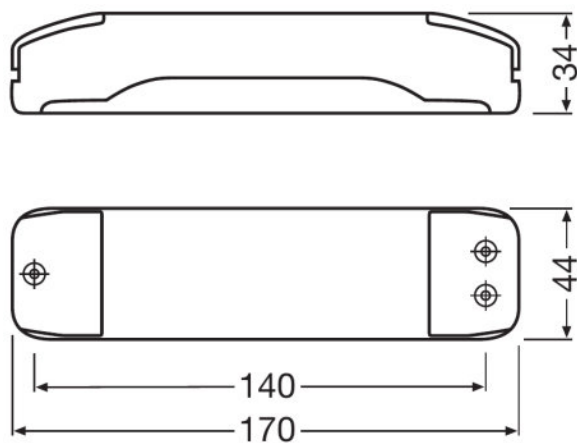
Dimensions & weight

Product description	Length	Width	Height	Cable cross-section, input side	Cable cross-section, output side
HTL 105/230...240	170.0 mm	44.0 mm	34.0 mm	2.5 mm ² ¹⁾	4.0 mm ² ¹⁾
HTL 225/230...240	170.0 mm	44.0 mm	34.0 mm	2.5 mm ² ¹⁾	4.0 mm ² ¹⁾
Product description	Wire preparation length, input side	Wire preparation length, output side	Mounting hole spacing, length	Product weight	
HTL 105/230...240	14 / 8.0 mm ²⁾	14 / 8.0 mm ²⁾	140.0 mm	160.00 g	
HTL 225/230...240	14 / 8.0 mm ²⁾	14 / 8.0 mm ²⁾	140.0 mm	225.00 g	

¹⁾ Maximum
²⁾ Cable sheath / Wire

Product family datasheet

Product line drawing



HTL 105/230...240, HTL 225/230...240

Temperatures & operating conditions

Product description	Ambient temperature range
HTL 105/230...240	-20...+50 °C
HTL 225/230...240	-20...+50 °C

Capabilities

Product description	Dimming method
HTL 105/230...240	Trailing- or leading-edge phase control for inductive load dimmers
HTL 225/230...240	Trailing- or leading-edge phase control for inductive load dimmers

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
HTL 105/230...240	ENEC 10 / VDE / VDE-EMC / EAC	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20
HTL 225/230...240	ENEC 10 / VDE / VDE-EMC / EAC	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20

Logistical data

Product description	Commodity code
HTL 105/230...240	85044095900
HTL 225/230...240	85044095900

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
HTL 105/230...240	19-05-2023	4008321927019	Lead
HTL 225/230...240	19-05-2023	4008321927026	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
HTL 105/230...240	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	ebb551fb-ab30-4e82-ae71-c07c948f767d
HTL 225/230...240	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	990a7236-e5d3-4aac-ae15-373eb0cf86b7

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Country specific information

Product family datasheet

Product description	Product code	METEL code	SEG-No.	STK number	UK Org
HTL 105/230...240	4008321927019	OSRHTL105	-	4030497	-
HTL 105/230...240	4008321927019	OSRHTL105	-	4030497	-
HTL 225/230...240	4008321927026	OSRHTL225	-	4030498	-
HTL 225/230...240	4008321927026	OSRHTL225	-	4030498	-

Download Data

File	
	User instruction HALOTRONIC HTM HTN HTL
	User instruction HTLHTMHTN UI 080518
	Addon Technical Information 321705_ATI HTL 105 (GB)
	Certificates 334969_ENEC-Marks approval
	Certificates 504178_EAC HT family
	Certificates HTL HTM HTI DALI VDE ENEC 40024665 070923
	Certificates HALOTRONIC EMC 134590 280722
	Certificates VDE EMC Dertificate 40024187
	Declarations of conformity 710835_EC-DOC Halotronic
	Installation/Operation notice 334738_HALOTRONIC – Manual
	CAD data 3-dim 317452_HTL 105230-240 and HTL 225230-240 9900052
	CAD data 3-dim 317453_HTL 105230-240 and HTL 225230-240 9900052
	CAD data 3-dim 317454_HTL 105230-240 and HTL 225230-240 9900052
	CAD data PDF 317451_HTL 105230-240 and HTL 225230-240 9900052
	Addon Technical Information 321707_ATI HTL 225 (GB)

Product family datasheet

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321927019	HTL 105/230...240	Shipping carton box 10	235 mm x 183 mm x 89 mm	3.83 dm ³	1778.00 g
4008321927026	HTL 225/230...240	Shipping carton box 10	235 mm x 183 mm x 89 mm	3.83 dm ³	2361.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

— Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.