



HF-Regulator Intelligent Touch DALI for TL5/TL-D/PL-L lamps

HF-Ri TD 280 TL5/PL-L E+

This intelligent high-frequency electronic dimming ballast utilizes the DALI or Touch and Dim push-button protocol for fluorescent lamps. It meets A1BAT requirements, thereby pre-empting upcoming legislation. With a special command you can retrieve the system's mains power consumption, and with another you can find out which lamp wattage is connected. Combined with controls, additional energy savings can be achieved.

Product data

• General Characteristics

Interface	TD
Application code	E+
Rated Lamptype	TL5/PL-L
Rated Number of Lamps	2 piece
Rated Ballast-Lamp Power	80
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 425x30x21
Energy Efficiency Index	A1
Lifetime 90% surv.@Tcaselife	50000 hr
Ignition Method	Warm Start

• Operating Characteristics

Automatic restart	Yes
Ignition time	0.2 (max) s
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Inrush current Peak	35 (max) A
Inrush current Width	0.35 ms
Earth leakage current	0.5 (max) mA
Power losses gear	11.3 W
Standby power consumption	0.25 (max) W
Regulating level power	1%-100%
Ballast Lumen Factor	1.0 -
PowerFactor 100% output power	0.95 -

Battery voltage lamp ignition	220 V
Battery voltage running lamps	154-276
Overvoltage protection 320Vac	48 hr
Overvoltage protection 350Vac	2 hr
Control input protection	Yes (Basic insulation)
Max ballast on MCB(16A type B)	9 x
Stable lamp operation temp.	- [Not specified]
Crestfactor	1.7 (max) -
Hum and Noise level	30 dB(A)
Total Harmonic Distortion EUR	5.5 %

• Wiring Characteristics

Cable-Cap output-wires to earth	150 (max) pF
Cable-Cap output-wires mutual	150 (max) pF
Conn.type input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Conn.type output terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Conn.type ctrl input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Striplength	8.0-9.0 mm
Dual fixture Master/Slave	- [not specified]

PHILIPS

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Wcs Control input terminals	0.50-1.00 mm ²
Wcs Input terminals	0.50-1.00 mm ²
Wcs Output terminals	0.50-1.00 mm ²
Wcs auto insertion (ALF/ADS)	0.5 mm ²

Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic current emissions	IEC 61000-3-2
EMC Immunity	IEC 61547
Vibrations	IEC 68-2-6 Fc
Bumps	IEC 68-2-29 Eb
Humidity	EN 61347-2-3 clause 11
Approval marks	CE / ENEC / EMC / CCC
CE marking	Yes
Temperature marking	110 [Yes]
Emergency standard	IEC 60598-2-22

• Temperature Characteristics

T-case life	75 (max) C
T-case maximum	75 (max) C
T-ignition	0 (min), 50 (max) C
T-ambient	15 (min), 50 (max) C
T-storage	-40 (min), 80 (max) C

• Product Dimensions

Length A1	424 mm
Fixing Hole Distance	415 mm
Length A2	
Width B1	30 mm
Height C1	22 mm
Fixing Hole Diameter	4.2 mm
D1	

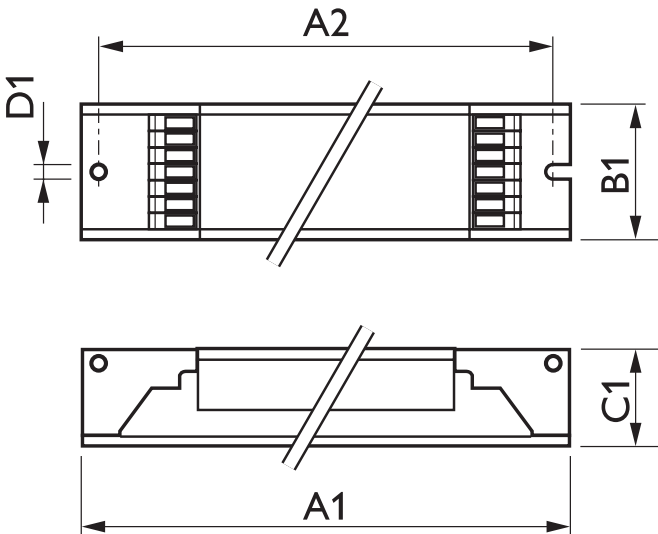
• Approval & Application Chars

EMI 9kHz .. 30 MHz	EN 55015
EMI 30 MHz .. 1000MHz	EN 55022 level B [Level = Class]
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929

• Product Data

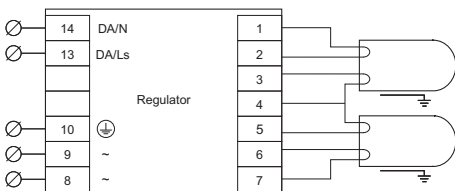
Order code	913700609666
Full product code	913700609666
Full product name	HF-R TD 280 TL5/PL-L E+
Order product name	HF-R TD 280 TL5/PL-L E+
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500910677
Bar code on outerbox - EAN3	8711500910691
Logistic code(s) - 12NC	913700609666
Net weight per piece	0.417 kg

Dimensional drawing



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Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-R TD 280 TL5/PL-L E+	424	415	30	22	4.2



HF-R TD 2 lamps TL5/PL-L/TL-D



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data subject to change