

Single-phase Pool transformer for LED lights (IP20)

Single-phase safety transformer with galvanic isolation between primary and secondary voltages, intended for powering LED spotlights in swimming pools, fountains, gardens, saunas, etc.

The windings are fully protected against impacts, dirt, pollution and moisture. Prepared for installation in harsh environments.

Applications

- Intended for powering submersible LED spotlights in swimming pools and fountains.
- Power supply for surface-mounted LED spotlights in gardens, saunas, and wet rooms where installation regulations require a 12 V safety voltage.

POWER
30 ÷ 120 VA

PRI VOLTAGE
230 V

SEC VOLTAGE
12 V

Regulatory

IEC/UNE-EN 61558-1
IEC/UNE-EN 61558-2-6

Certifications

CE UK
CA

ADJUSTED TO THE LED within margins that ensure correct operation.

MADE OF POLYAMIDE V0 self-extinguishing, halogen and phosphor-free technology prevents the user from accessing hazardous contact parts.

OF THE LAMP and its optimum illumination.

SCREW AND WASHER TERMINAL
pre-inserted pressure.

FAST via DIN rail.



POOL TRANSFORMER FOR LED LIGHTS (IP20)

SERIES TCL

Technical specifications

POWER

30 ÷ 120 VA

PRI VOLTAGE

230 V

SEC VOLTAGE

12 V

FREQUENCY

50/60 Hz

AMBIENT TEMPERATURE

30 °C

THERMAL CLASS

F (155 °C)

PROTECTION INDEX

IP20

**ELECTRIC SHOCK
PROTECTION**

Class II

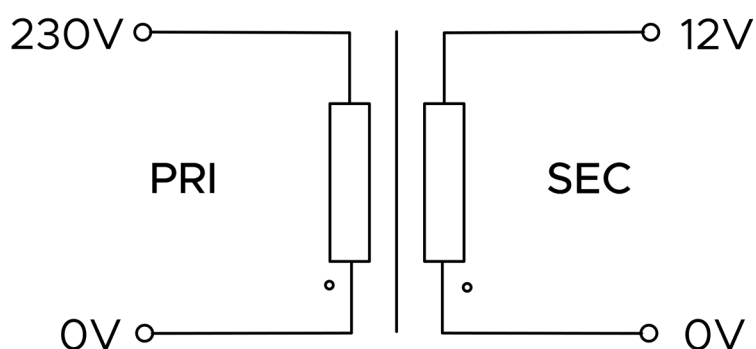
TEST VOLTAGE

4 kV

SINGLE-PHASE POOL TRANSFORMER FOR LED LIGHTS (IP20)



Electric schematic

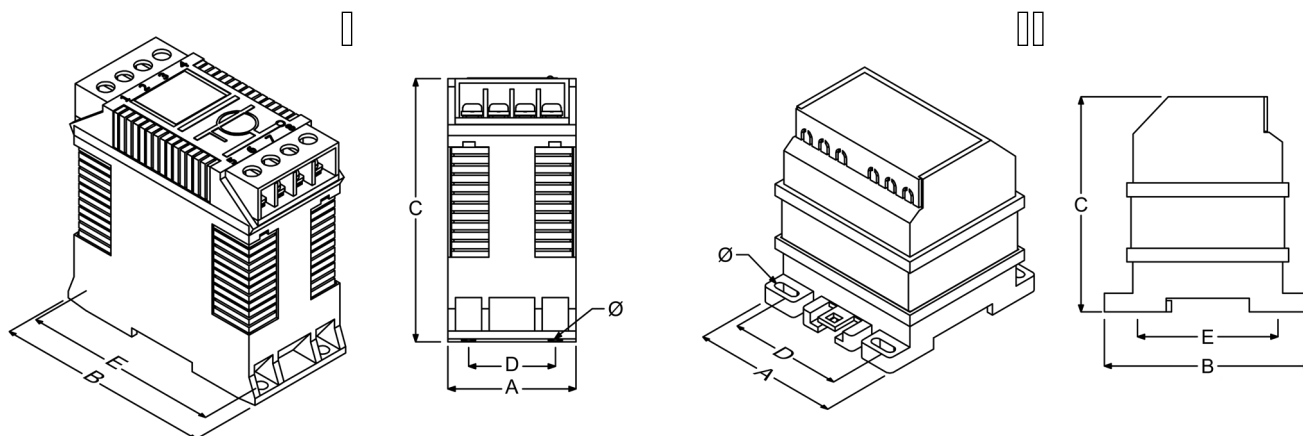


Technical data - standard models

POWER (VA)	REFERENCES	INTENSITY (A)		LED LAMP	
		Primary	Secondary	Max. power	Power factor
30	TCL30	0,13	2,5	18 W	0,6
50	TCL50	0,22	4,2	30 W	0,6
75	TCL75	0,33	6,3	45 W	0,6
120	TCL120	0,52	10,0	70 W	0,6

Dimensions

POWER (VA)	REF.	DIMENSIONS (mm)						WEIGHT (kg)	TYPE
		A	B	C	D	E	Ø		
30	TCL30	54	112	112	37	100	6	1,4	I
50	TCL50	54	112	112	37	100	6	1,6	I
75	TCL75	82	90	106	58	90	5,5x12	1,6	II
120	TCL120	94	106	117	58	90	7x14	2,4	II



Cabling

POWER(-VA)	REF.	MIN. SECTION PRIMARY CONDUCTOR (mm²)	MIN. SECTION SECONDARY CONDUCTOR (mm²)	PRIMARY PROTECTIONS (A)	SECONDARY PROTECTIONS (A)
				(T/D/Am)	(F/C/Gg)
30	TCL30	0,5	0,5	0,25	2,5
50	TCL50	0,5	0,75	0,4	4
75	TCL75	0,5	1	0,5	6,3
120	TCL120	0,5	1,5	0,8	10

Terminals

CONNECTION		MAX. TIGHTENING TORQUE (Nm)	POWER (VA)
Type	Size		
T1	M4	1,2	30 - 120

T1

