

PRODUCT FAMILY DATASHEET

T8 ECG

ECG for T8 flurcescent lamps, not dimmable

AREAS OF APPLICATION

- Open-plan offices, corridors and storage rooms
- Public buildings
- Strip lighting
- Suitable for luminaires of protection class I
- Modernization of existing systems

PRODUCT BENEFITS

- Long lifetime
- No adverse effect from frequent on/off switching

PRODUCT FEATURES

- Lifetime: up to 30,000 h (temperature at $T_c = 70\text{ °C}$)
- Lifetime: up to 50,000 h (temperature at $T_c = 65\text{ °C}$)
- Energy Efficiency Index EEL: A2
- Safety complies with IEC 61347-1, IEC 61347-2-2, IEC 61347-2-13, GB 19510
- Radio interference complies with IEC 55015, GB17743
- Harmonic distortion complies with IEC 61000-3-2, IEC 61000-3-3, GB 17625.1
- EMC immunity complies with IEC 61547, GB/T18595
- With CCC, CE, CB and RCM certificate
- RoHS compliant

TECHNICAL DATA

Electrical data

Product description	Nominal voltage	Mains frequency
T8 ECG 1X18/220...240	220...240 V	50/60 Hz
T8 ECG 1X36/220...240	220...240 V	50/60 Hz
T8 ECG 1X58/220...240	220...240 V	50/60 Hz
T8 ECG 2X18/220...240	220...240 V	50/60 Hz
T8 ECG 2X36/220...240	220...240 V	50/60 Hz
T8 ECG 2X58/220...240	220...240 V	50/60 Hz

Dimensions & weight

Product description	Length	Width	Height	Product weight
T8 ECG 1X18/220...240	210.0 mm	30.0 mm	19.0 mm	120.00 g
T8 ECG 1X36/220...240	210.0 mm	30.0 mm	19.0 mm	120.00 g
T8 ECG 1X58/220...240	290.0 mm	30.0 mm	30.0 mm	120.00 g
T8 ECG 2X18/220...240	290.0 mm	30.0 mm	30.0 mm	120.00 g
T8 ECG 2X36/220...240	290.0 mm	30.0 mm	30.0 mm	120.00 g
T8 ECG 2X58/220...240	360.0 mm	37.0 mm	30.0 mm	120.00 g

Temperatures & operating conditions

Product description	Ambient temperature range
T8 ECG 1X18/220...240	-10...+50 °C
T8 ECG 1X36/220...240	-10...+50 °C
T8 ECG 1X58/220...240	-10...+50 °C
T8 ECG 2X18/220...240	-10...+50 °C
T8 ECG 2X36/220...240	-10...+50 °C
T8 ECG 2X58/220...240	-10...+50 °C

Lifespan

Product description	ECG lifetime
T8 ECG 1X18/220...240	30000 h ¹⁾
T8 ECG 1X36/220...240	30000 h ¹⁾
T8 ECG 1X58/220...240	30000 h ¹⁾
T8 ECG 2X18/220...240	30000 h ¹⁾
T8 ECG 2X36/220...240	30000 h ¹⁾
T8 ECG 2X58/220...240	30000 h ¹⁾

¹⁾ T_c = 70°C, with max. 10% failure rate

Expected Lifetime

Product name				
T8 ECG 1X18/220...240	ECG ambient temperature [ta]	50	50	-
	Temperature at tc-point [°C]	70	65	-
	Lifetime [h]	30000 ¹⁾	50000 ¹⁾	-
T8 ECG 1X36/220...240	ECG ambient temperature [ta]	50	50	-
	Temperature at tc-point [°C]	70	65	-
	Lifetime [h]	30000 ²⁾	50000 ²⁾	-
T8 ECG 1X58/220...240	ECG ambient temperature [ta]	50	50	-
	Temperature at tc-point [°C]	70	65	-
	Lifetime [h]	30000 ³⁾	50000 ³⁾	-
T8 ECG 2X18/220...240	ECG ambient temperature [ta]	50	50	-
	Temperature at tc-point [°C]	70	65	-
	Lifetime [h]	30000 ⁴⁾	50000 ⁴⁾	-
T8 ECG 2X36/220...240	ECG ambient temperature [ta]	50	50	-
	Temperature at tc-point [°C]	70	65	-
	Lifetime [h]	30000 ⁵⁾	50000 ⁵⁾	-
T8 ECG 2X58/220...240	ECG ambient temperature [ta]	50	50	-
	Temperature at tc-point [°C]	70	65	-
	Lifetime [h]	30000 ⁶⁾	50000 ⁶⁾	-

¹⁾ Max. 10% failure rate at tc max

²⁾ Max. 10% failure rate at tc max

³⁾ Max. 10% failure rate at tc max

⁴⁾ Max. 10% failure rate at tc max

⁵⁾ Max. 10% failure rate at tc max

⁶⁾ Max. 10% failure rate at tc max

Capabilities

Product description	Suitable for fixtures with prot. class	Suitable for emergency lighting
T8 ECG 1X18/220...240	I	No
T8 ECG 1X36/220...240	I	No
T8 ECG 1X58/220...240	I	No
T8 ECG 2X18/220...240	I	No
T8 ECG 2X36/220...240	I	No
T8 ECG 2X58/220...240	I	No

Certificates & standards

Product description	Approval marks – approval	Protection class
T8 ECG 1X18/220...240	CB / CCC / CE / RCM	I
T8 ECG 1X36/220...240	CB / CCC / CE / RCM	I
T8 ECG 1X58/220...240	CB / CCC / CE / RCM	I
T8 ECG 2X18/220...240	CB / CCC / CE / RCM	I
T8 ECG 2X36/220...240	CB / CCC / CE / RCM	I
T8 ECG 2X58/220...240	CB / CCC / CE / RCM	I

APPLICATION ADVICE

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

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075080171	T8 ECG 1X18/220...240	Shipping carton box 20	225 mm x 165 mm x 105 mm	3.90 dm ³	2608.00 g
4058075080195	T8 ECG 1X36/220...240	Shipping carton box 20	225 mm x 165 mm x 105 mm	3.90 dm ³	2608.00 g
4058075080218	T8 ECG 1X58/220...240	Shipping carton box 20	312 mm x 165 mm x 141 mm	7.26 dm ³	2686.00 g
4058075080232	T8 ECG 2X18/220...240	Shipping carton box 20	312 mm x 165 mm x 141 mm	7.26 dm ³	2686.00 g
4058075080256	T8 ECG 2X36/220...240	Shipping carton box 20	312 mm x 165 mm x 141 mm	7.26 dm ³	2686.00 g
4058075080270	T8 ECG 2X58/220...240	Shipping carton box 20	382 mm x 198 mm x 146 mm	11.04 dm ³	2785.00 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.