

QUICKTRONIC® FIT T8

QT-FIT8

ECG for T8/Ø26mm linear fluorescent lamps



QT-FIT8



LUMILUX® T8



Product Features:

- 50.000 hours lifetime with max. failure rate of 10%
- Lamp start with optimized filament preheating within 2 sec.
- Suitable for lighting with high switching cycles
- Reliable lamp ignition between -15°C...+50°C
- Suitable for luminaries of protection class I
- CELMA Energy-Efficiencies-Index A2
- Automatic safety shut-down in case of a defect or at the end of the lamp's life (EoL T.2)
- Automatic restart after lamp replacement
- Suitable for emergency installations (DC, 0 Hz)

Technical Data

Max. cable diameter for push-in contact [mm ²]:	s ¹ : 0.5 - 1.5
Starting time:	t: 2 sec.
Line voltage:	220 - 240 V
Voltage range (AC):	198 - 264 V
Voltage range (DC):	185 - 264 V; for lamp ignition min. 198 V; max. 1 hour 185 - 198V
Line frequency:	50 - 60 Hz
Operating frequency:	40 - 50 kHz
Electrical strength:	280 V → permanent; 300 V → 2 hours
Ambient temperature ta:	-15 °C to +50 °C
Measuring point temperature tc:	Max. +70 °C
U-OUT:	430 V

¹ s = solid wire

Inrush current and max. number of ECG per circuit breaker

ECG	Inrush Current		Max. number of ECG per circuit breaker			
	I _p [A]	TH [μs]	B: 10A	C: 10A	B: 16A	C: 16 A
QT-FIT8 1x18	15	200	17	-	28	49
QT-FIT8 2x18	15	200	17	-	28	49
QT-FIT8 3x18, 4x18	15	200	8	-	13	22
QT-FIT8 1x36	15	200	17	-	28	49
QT-FIT8 2x36	15	200	8	-	13	22
QT-FIT8 3x36	15	200	8	13	13	22
QT-FIT8 1x58-70	15	200	17	28	28	49
QT-FIT8 2x58-70	15	200	8	-	13	22

Standards and approval marks

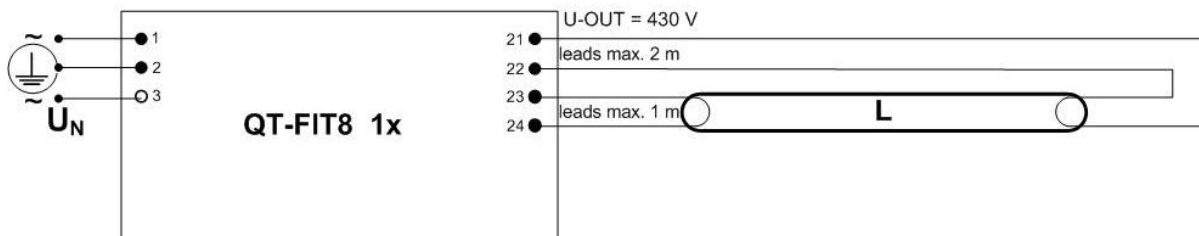
Safety:	acc. to EN 61347-2-3 / IEC 61347-2-3
Radio interference:	acc. EN 55015: 2006 + A1: 2007 + A2: 2009
Harmonic content:	acc. to EN 61000-3-2 / IEC 61000-3-2
Immunity:	acc. to EN 61547 / IEC 61547
Approval marks:	  

Dimensions & weight

Description	Length [mm]	Width [mm]	Height [mm]	Distance Mounting Holes [mm]	Weight [g]
QT-FIT8 1x18	280	30	28	270	260
QT-FIT8 2x18	360	30	28	350	350
QT-FIT8 3x18, 4x18	280	40	28	270	370
QT-FIT8 1x36	280	30	28	270	270
QT-FIT8 2x36	360	30	28	350	350
QT-FIT8 3x36	280	40	28	270	390
QT-FIT8 1x58-70	280	30	28	270	280
QT-FIT8 2x58-70	360	30	28	350	350

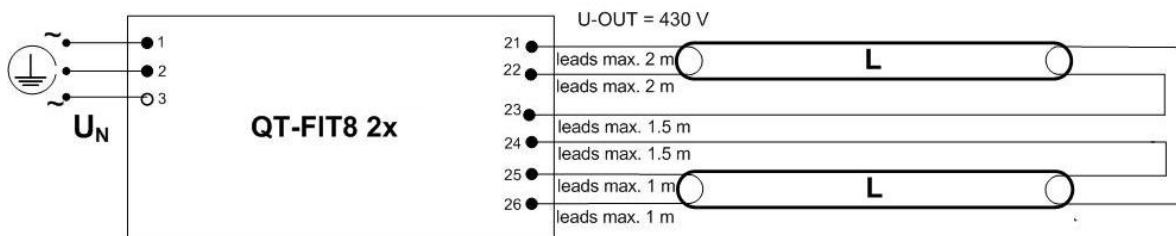
Lamp wiring

QT-FIT8 1x...



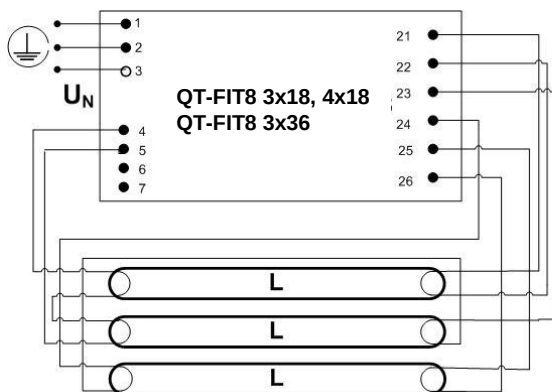
Max. permitted cable length in between ECG and lamp: 2.0 m (PIN 21, 22); 1.0 m (PIN 23, 24)

QT-FIT8 2x...



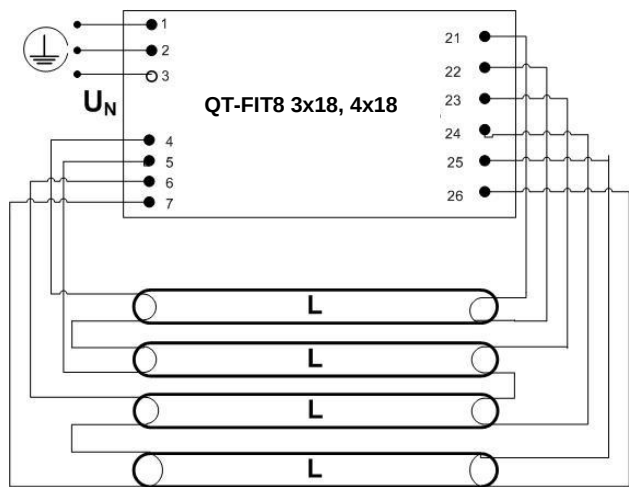
Max. permitted cable length in between ECG and lamp: 2.0 m (PIN 21, 22); 1.5 m (PIN 23, 24); 1.0 m (PIN 25, 26)

QT-FIT8 3x18, 4x18, QT-FIT8 3x36 – 3 lamp operation



Max. permitted cable length in between ECG and lamp: 1.0 m (PIN 25, 26); 1.5 m (PIN 4, 5, 21, 22, 23, 24)

QT-FIT8 3x18, 4x18 – 4 lamp operation



Max. permitted cable length in between ECG and lamp: 1.0 m (PIN 6, 7, 25, 26); 1.5 m (PIN 4, 5, 21, 22, 23, 24)

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
QT-FIT8 1x18	4008321294180	4008321294197	20
QT-FIT8 2x18	4008321294241	4008321294258	20
QT-FIT8 3x18, 4x18	4008321294302	4008321294319	20
QT-FIT8 1x36	4008321294203	4008321294210	20
QT-FIT8 2x36	4008321294265	4008321294272	20
QT-FIT8 3x36	4008321512055	4008321512062	20
QT-FIT8 1x58-70	4008321294227	4008321294234	20
QT-FIT8 2x58-70	4008321294289	4008321294296	20

Lifetime

Measuring point temperature t_c :	Lifetime with max. 10% failure rate
70 °C	50,000 h

Lamp/ECG System Combination

ECG	Lamp	HF lamp wattage [W]	System wattage [W]	Line current [A]	Luminous flux at 25°C [lm]	Luminous flux at 35°C [lm]	Power factor [λ]
QT-FIT8 1x18	L18	16	19	0.09	1350	-	0.95
	L16 ES ²	14.2	17.2	0.08	1100	-	0.90c
QT-FIT8 2x18	2x L18	2x16	36	0.16	2x 1300	-	0.98
	2x L16 ES ²	2x14.2	32.4	0.14	2x 1100	-	0.97
QT-FIT8 3x18, 4x18	3x L18	3x16	54	0.25	3x 1350	-	0.97
	3x L16 ES ²	3x14.2	47.1	0.21	3x 1100	-	0.98
	4x L18	4x16	74	0.33	4x 1350	-	0.99
	4x L16 ES ²	4x14.2	64	0.28	4x 1100	-	0.98
QT-FIT8 1x36	L36	32	36	0.16	3200	-	0.96
	L32 ES ²	29	32	0.15	2500	-	0.93c
QT-FIT8 2x36	2x L36	2x32	71	0.32	2x 3200	-	0.98
	2x L32 ES ²	2x29	64	0.30	2x 2500	-	0.97
QT-FIT8 3x36	3x L36	3x32	105	0.48	3x 3500	-	0.99
	3x L32 ES ²	3x29	100	0.43	3x 2500	-	0.99
QTP8 1x58-70	L58	50	54	0.24	5000	-	0.96
	L70	57	62	0.28	5900	-	0.96
	L 51 ES ²	44.5	50	0.23	4200	-	0.96
QTP8 2x58-70	2x L58	2x50	109	0.48	2x 5000	-	0.98
	2x L70	2x57	124	0.55	2x 5900	-	0.98
	2x L 51 ES ²	2x44.5	96	0.43	2x4200	-	0.98

For more information on ECG refer to <http://www.osram.com/ecg>

For more information on System Guarantee refer to <http://www.osram.com/guarantee>

² Additional Lamp-ballast combination without ENEC; ta = +10 °C to +50 °C