

Light Fitting for Fluorescent Lamps

Series ECOLUX 6600



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10032E00

- > 1- or 2-lamp version:
 - 18 W
 - 36 W
 - 58 W
- > Enclosure in polyester resin, glass fibre reinforced and cover in polycarbonate, impact-resistant
- > Quick fasteners

E2



The light fittings series 6600 are useable for normal lighting, but also as group or centrally-supplied emergency light fitting.

	ATEX / IECEx / GOST							NEC 505 Class I							NEC 500					
	0	1	2	20	21	22		0	1	2	20	21	22		Division	Class I		Class II		Class III
6600/52 and 6600/54 for use in			x		x	x	6600/52 and 6600/54 for use in			x				6600/52 and 6600/54 for use in		x	x	x	x	x
6600/56 for use in			x			x	6600/56 for use in			x				6600/56 for use in		x	x	x	x	x

WebCode 6600A

Light Fitting for Fluorescent Lamps

Series ECOLUX 6600




Selection Table

Version	Lamps		Electronic ballast	Order number	Weight kg
	Number of lamps	Lamp wattage			
ECOLUX 6600	1	18	1 channel ECG	6600/521-8...-2...	2.500
		36	1 channel ECG	6600/541-8...-2...	4.600
		58	1 channel ECG	6600/561-8...-2...	5.800
	2	18	1 channel ECG	6600/522-8...-2...	2.500
			2 channel ECG	6600/522-9...-2...	2.900
		36	1 channel ECG	6600/542-8...-2...	4.600
			2 channel ECG	6600/542-9...-2...	5.000
		58	1 channel ECG	6600/562-8...-2...	5.800
			2 channel ECG	6600/562-9...-2...	6.200

Order Number Supplement

Through wiring	Standard: without	6600 /0.....
	Special: with 3 conductors	6600 /3.....
	Special: with 5 conductors	6600 /5.....
Cable entry	Standard: M25 x 1.5; 1 cable entry, 2 stopping plugs	6600 /1.....
	Special: M20 or M 25 in moulded material or metal Specify on order	6600 /9.....
Switching off	Standard: without	6600 /0.....
	Special: with switch 8080, 2-pole	6600 /1.....
Terminal strip	Standard: terminal strip 8184, 4 / 6 mm ² solid / finely stranded	6600 /1..
	Special: WAGO 265 2.5 mm ²	6600 /2..
Number of terminals	Standard: with 3 cores; L1 + N + PE	6600 /3.
	Special: with 5 cores; L1 + L2 + L3 + N + PE	6600 /5.
Address module	Standard: without	6600 /0
	Special: ADR20 ILS	6600 /2
Note	The light fittings are supplied without tubes and mounting accessories. These parts must be ordered separately.	

Explosion Protection

Explosion protection	
Global (IECEX)	
Gas and dust	IECEX BVS 07.0023X Ex nA II T3/T4 Ex tD A21 IP66 T* (6600/52., 6600/54.) Ex tD A22 IP56 T* (6600/56.) * surface temperature see test certificate
Europe (ATEX)	
Gas	Zone 2: DMT 01 E 085 Zone 2:  II 3 G Ex nA II T4
Dust	Zone 21: DMT 01 ATEX E 086X (6600/52 and 6600/54) Zone 22: DMT 01 ATEX E 085 (6600/56) Zone 21:  II Ex tD A21 IP66 T* (6600/52 and 6600/54) Zone 22:  II Ex tD A22 IP56 T* (6600/56) * surface temperature see test certificate
Certificates and approvals	
Certificates	IECEX, ATEX, Brazil (UL do Brasil), Canada (CSA), Kazakhstan (GOST-K), Russia (GOST-R), USA (FM), Belarus (GOST-B)
Other approvals	ship approval (GL)

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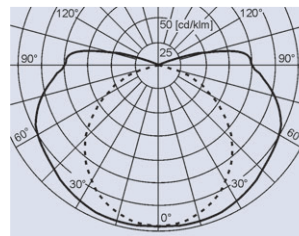
Technical Data

Electrical data

Rated voltage	AC: 220 (- 10 %) ... 240 (+ 10 %) V, 50 / 60 Hz DC: 154 ... 276 V
Rated current	at 230 V / 50 Hz; for light fittings version
	18 W 36 W 58W
	1 lamp 0.1 A 0.18 A 0.25 A
	2 lamps 0.18 A 0.33 A 0.49 A
Power factor cos φ	cos φ ≥ 0.96 capacitive; additional compensation not required
Disconnection of the light	optional
On opening the diffuser	when opening the fastening mechanism of one of the quick fasteners, voltage to ballast will be switched off all-pole; contacts are positively opening, reconnection when cover and quick fasteners are closed.
Faulty lamp	If lamp is faulty, power supply of lamps is switched off automatically by electronic ballast; when using a 2-channel-ECG power is switched off only to the defective lamp.

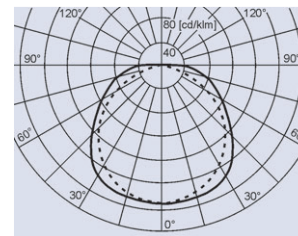
Luminous Characteristics

Lamps	Two pin-fluorescent lamps Ø 26 mm, socket G13
	1 x 18 W 2 x 18 W 1 x 36 W 2 x 36 W 1 x 58 W 2 x 58 W
Measures for light guidance	Standard Wide beam, reflector painted white. Colour: signal white RAL 9003; prismatic structure for anti-glare in the diffuser sides. Special Additional reflector (easily mounted), broad deep-beam, aluminium anodized and semi-polished.
Operational efficiency Luminous intensity distribution	



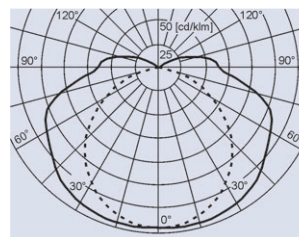
C90 C4E
C180 CO
C270
08258E00

Version 1-lamp, without reflector
Accuracy class B21
acc. to LitG



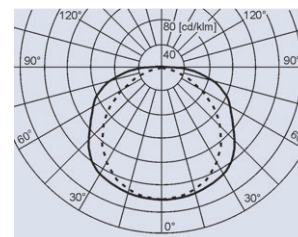
C90 C4E
C180 CO
C270
08257E00

Version 1-lamp, with reflector
Accuracy class B31



C90 C4E
C180 CO
C270
08259E00

Version 2-lamp, without reflector
Accuracy class B21
acc. to LitG



C90 C4E
C180 CO
C270
08257E00

Version 2-lamp, with reflector
Accuracy class B31

Ambient conditions

Ambient temperature	- 25 ... + 55 °C (without through wiring) - 25 ... + 45 °C (with through wiring)
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Technical Data

Mechanical data

Degree of protection	IP66 (IP64 when using breather 8162) IP56 at 58 W
Protection class	I (with internal PE connection terminal)
Material	
Enclosure	Polyester resin, glass fibre reinforced, colour white, similar RAL 9010
Lamp cover	Polycarbonate
Seal	Polyurethane-gasket foamed into diffuser
Quick-acting locks	Polyamide, glass fibre reinforced, black / white
Assembly parts	Polyester resin, glass fibre reinforced, colour white, similar RAL 9010
Cover options	Quick fasteners to open with screw-driver; cover hinged for access.

Assembly / Installation

Mounting	2 x M8 inserts in housing Mounting grooves in housing to accommodate bracket fitting and ceiling rails for variable light installation. Variable mounting distances of light fittings; see dimension drawings
Cable glands	1 x cable gland 8161, M25 x 1.5, cable dia. range: \varnothing 7 ... 17 mm 2 x stopping plugs 8290, M25 x 1.5 Entry parts in moulded plastic (8161 / 8290): M20 Metal glands: M20; M25; Metal cable gland earthing via metal adapter plates
Connection	
Standard	Spring cage terminal connection cross-section: max. 2 x 2.5 mm ² 3 pole (terminal marking: L1 + N + PE) 5 pole (terminal marking: L1 + L2 + L3 + N + PE)
Special	Terminal block with screw terminals connection cross-section: max. 2 x 6 mm ² (solid) max. 2 x 4 mm ² (flexible) numbers of terminals: 3 pole (terminal marking: L1 + N + PE) 5 pole (terminal marking: L1 + L2 + L3 + N + PE)
Installation notes	
Looping through of cables	There are 2 M25 x 1.5 cable entries on the connection side for looping through of connection cable (entry and exit on one side).
Through wiring	Fittings can be supplied with internal through-wiring. Entry and exit holes for connection cables are positioned on opposite sides. A through-wiring kit can be fitted after manufacture (see accessories). Terminals: See technical data top Wiring cross-section: 2.5 mm ² for max. 16 A

Monitoring module

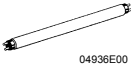

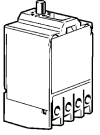
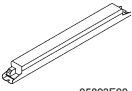
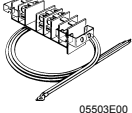

Function	Monitoring and switching module for emergency light systems according to VDE 0108: The module is used for the monitoring of individual lights and for the control of network and safety lights. The module offers the following functions: <ul style="list-style-type: none"> • Control of the light (ON / OFF) and function test • Up to 20 addresses can be set for each electric circuit by means of a coding switch • The operating mode of the lamp (continuous light, stand-by light or activation by means of a switch) is freely programmable • Mixed operation within one circuit is possible
Input voltage	(Input between L+ and N-) U_N 230 (+ 10 % / - 15 %) V AC, 50 Hz U_{DC} 175 ... 275 V DC
Control input	(between L and N) U_N 230 (+ 10 % / - 15 %) V AC, 50 Hz
Connected power (output to light)	P 4 ... 100 W
Ambient temperature	T_a (Module) - 10 ... + 50 °C
Dimensions	L x W x H = 95 x 40 x 32 mm

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Accessories and Spare Parts

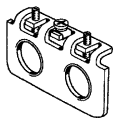

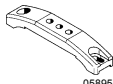
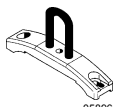

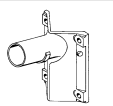
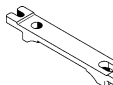
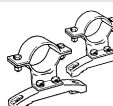
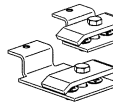
Designation	Illustration	Description	Art. no.	Weight kg
Fluorescent lamp		Two-pin cap \varnothing 26 mm Light colour: universal white		
		18 W 1350 lm	108952	0.100
		36 W 3350 lm	108951	0.200
		58 W 5200 lm	108950	0.220
Diffuser cover		for light fitting 18 W	124890	0.500
		for light fitting 36 W	124897	0.860
		for light fitting 58 W	124904	0.800
Switch		Switching element 8080/1-3-L, 2 normally closed contacts	132527	0.025
Ballast		1 x 18 W 1-channel	106599	0.270
		2 x 18 W 1-channel	106596	0.406
		1 x 36 W 1-channel	106598	0.260
		2 x 36 W 1-channel	106595	0.420
		1 x 58 W 1-channel	106597	0.310
		2 x 58 W 1-channel	106594	0.410
Mounting kit for through wiring		For later installation into standard-light fitting		
		DV3, tension clamp terminals 3 x 2.5 mm ² , max. 16 A terminal marking: L1 + N + PE		
		18 W	124925	0.300
		36 W	124927	0.300
		58 W	124929	0.300
		DV5, tension clamp terminals 5 x 2.5 mm ² , max. 16 A terminal marking: L1 + L2 + L3 + N + PE		
		18 W	124919	0.300
		36 W	124921	0.300
		58 W	124923	0.300
		DV3, screw terminals 3 x 2.5 mm ² , max. 16 A terminal marking: L1 + N + PE		
		18 W	124912	0.400
		36 W	124915	0.400
		58 W	124917	0.400
DV5, screw terminals 5 x 2.5 mm ² , max. 16 A terminal marking: L1 + L2 + L3 + N + PE				
18 W	124895	0.400		
36 W	124902	0.400		
58 W	124909	0.400		
Reflectors		for later installation, broad deep beam		
		For 1-lamp light fittings 18 W	117128	0.082
		For 1-lamp light fittings 36 W	117137	0.172
		For 1-lamp light fittings 58 W	117150	0.218
		for lights with two lamps 18 W	117098	0.265
		for lights with two lamps 36 W	117115	0.234
For 2-lamp light fittings 58 W	117145	0.290		

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Accessories and Spare Parts

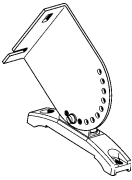



Designation	Illustration	Description	Art. no.	Weight kg	
Adapter plates	 05755E00	for earth continuity when using metal glands;			
		1 x M20 x 1.5	1 piece	115815	0.070
		1 x M25 x 1.5	1 piece	115818	0.070
		1 x NPT 1/2"	1 piece	115821	0.070
		1 x NPT 3/4"	1 piece	115824	0.070
		2 x M20 x 1.5	1 piece	115826	0.060
		2 x M25 x 1.5	1 piece	115828	0.060
		2 x NPT 1/2"	1 piece	115829	0.060
Lamp-holder	 05888E00	Lamp holder for two-pin cap lamps G 13	107275	0.008	
Mounting rail	 05895E00	for a variable mounting distance of 1 pair	124894	0.210	
Mounting clamp bracket	 05896E00	Mounting bracket mounted on the mounting rail for a variable mounting distance	of 1 pair 124901	0.300	
Ring bolts	 05378E00	M8, direct mounting in insert nuts, 1 pair	115736	0.120	
Wall-mounting bracket	 05460E00	to mount the lamps as side-entry lamps using a tube with a length of 1300 mm, Ø 42 mm (for pipe clamp R 1 1/2")	109281	6.000	
Ceiling mounting bracket	 05897E00	for ceiling suspension of the lamp, 1 pair	124908	0.230	
Pipe clamps	 09402E00	with mounting rail for a variable mounting distance; Material: stainless steel			
		R 1 1/4" (Ø 42 mm)	124913	1.140	
		R 1 1/2" (Ø 48 mm)	124891	1.160	
		R 2" (Ø 60 mm)	124898	1.300	
Mounting set „Grid cable rack“	 04361E00	for grid cable racks, with a cable diameter of 6 mm; with mounting rail for a variable mounting distance; Material: stainless steel	124905	1.560	

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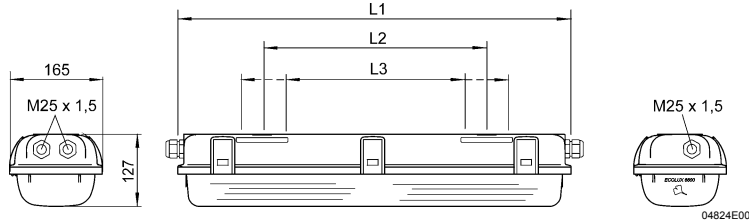
Designation	Illustration	Description	Art. no.	Weight kg	
Ceiling and wall-mounting bracket	 05898E00	mounted on a mounting rail for a variable mounting distance; Material: stainless steel Lamp can be swiveled in steps of 15°			
		1 pair	124910	1.150	
Cable gland	 05864E00	of moulded material, series 8161			
		8161/5-M20-13	1 piece	138518	0.012
		8161/5-M20-13	50 pieces	138454	0.600
		8161/5-M25-17	1 piece	138520	0.020
Stopping plug	 04840E00	of moulded material, series 8290			
		8290/3-M20	1 piece	143522	0.005
		8290/3-M20	100 pieces	143543	0.500
		8290/3-M25	1 pieces	143524	0.007
Breathing gland	 05703E00	for installation in lights; in moulded material; without counter nut			
		Thread: M25 x 1.5	1 pc	138573	0.010
		Thread: M25 x 1.5	20 pcs	138576	0.200

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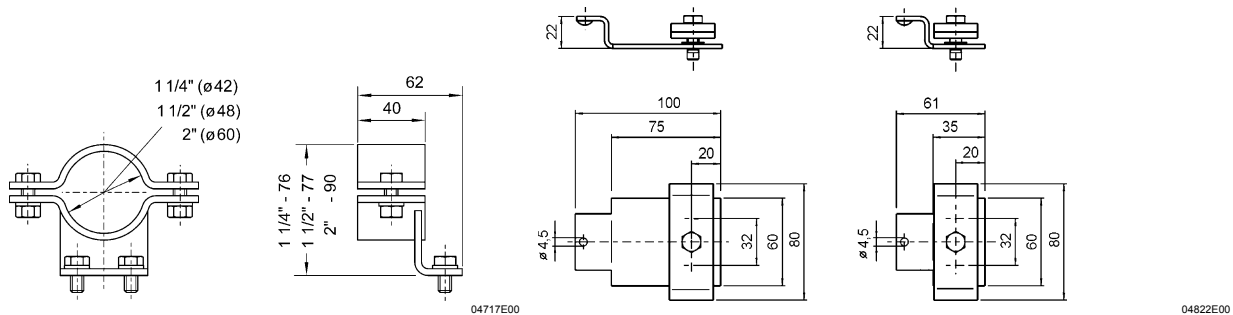
Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



Dimensions	Light fitting		
	18 W	36 W	58 W
L1	700	1310	1610
L2 ¹⁾	400	800	800
L3 ²⁾	340 ... 460	680 ... 920	795 ... 1030

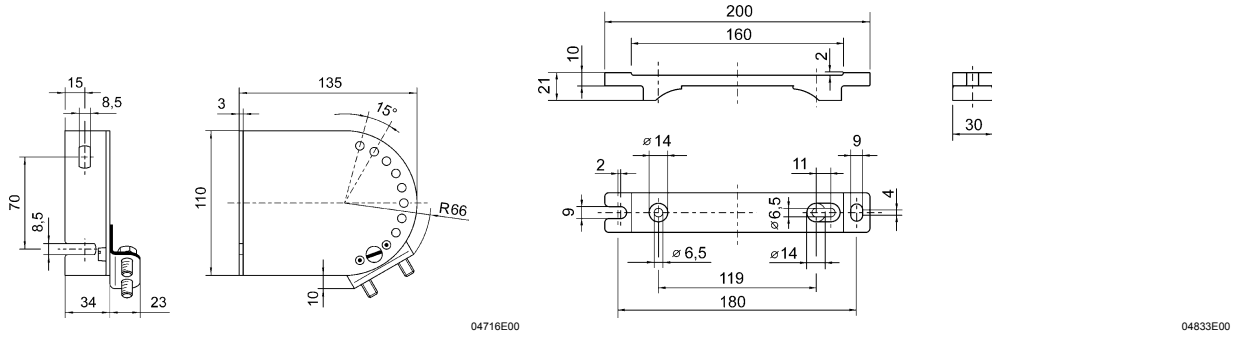
¹⁾ Fixed mounting distance
²⁾ Variable mounting distance

Light fittings ECOLUX 6600, 18 W, 36 W, 58 W



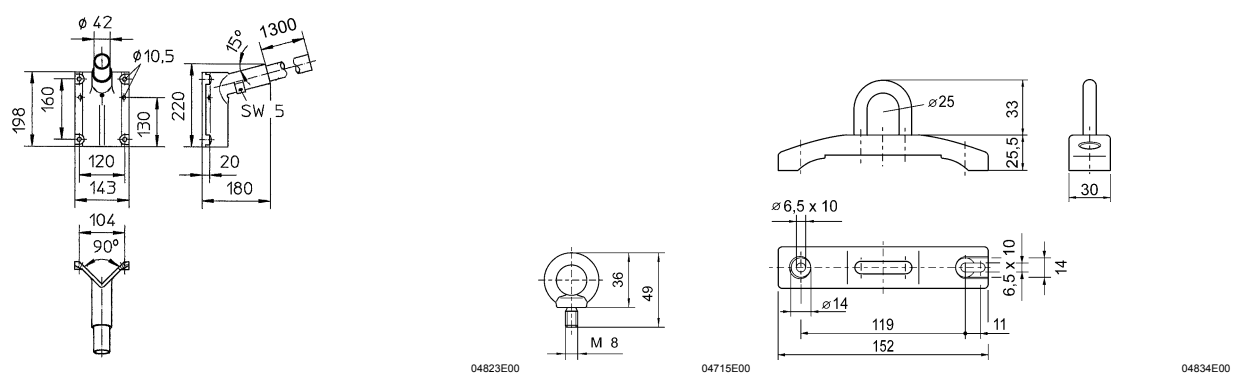
Pipe clamp

Mounting set grid cable rack



Ceiling- and wall-mounting bracket

Ceiling mounting bracket



Wall mounting bracket for pole-mounting version

Ring bolt

Mounting clamp bracket

Installation accessories

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.