

Linear Luminaire for Fluorescent Lamps Series ECOLUX 6600



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- > 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							NEC 505							NEC 506							NEC 500						
							Class I														Class I		Class II		Class III		
Zone	0	1	2	20	21	22	Zone	0	1	2	20	21	22	Division	1	2	1	2	1	2							
for use in			x		x	x	for use in			x				for use in		x	x	x	x	x							

WebCode 6600A

Linear Luminaire for Fluorescent Lamps

Series ECOLUX 6600

Selection Table

Version	Lamp wattage W	Through wiring	Cable glands	Order number	Art. no.	Weight kg
ECOLUX 6600	18	with 5 cores	plastic M25	6600/522-8510-6250	225333	3.700
			metal M20	6600/522-8500-6250	225329	3.800
	36	with 5 cores	plastic M25	6600/542-8510-6250	225477	5.500
			metal M20	6600/542-8500-6250	225473	5.600
	58	with 5 cores	plastic M25	6600/562-8510-6250	225597	6.600
			metal M20	6600/562-8500-6250	225593	6.750

Order Number Supplement

Through wiring	Without	6600/...-0...-....	
	With 5 conductors	6600/...-5...-....	
Cable entry	Standard: M25 x 1.5; 1 cable entry, 2 stopping plugs	6600/...-1...-....	
	Metalleinschubplatte M20	6600/...-0...-....	
ECG	220 ... 240 V 2-lamps AC, 1-lamp DC	6600/...-...-0...	
	220 ... 240 V 2-lamps AC, 2-lampigs DC (standard)		
Terminal strip	Special: terminal strip 8184, 4 / 6 mm ² solid / finely stranded	6600/...-...-1..	
	Standard: 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.	
Note	The light fittings are supplied without tubes and mounting accessories. These parts must be ordered separately.		

Explosion Protection

Explosion protection

Global (IECEX)	IECEX BVS 07.0023X Ex nA II T4 Gc Ex tc IIIC T* °C Dc oder Ex tb IIIC T* °C Db * surface temperature see test certificate
Gas and dust	
Europe (ATEX)	
Gas	Zone 2: DMT 01 E 085 X Zone 2:  II 3 G Ex nA IIC T4 Gc
Dust	Zone 21: DMT 01 ATEX E 086X Zone 22: DMT 01 E 085X Zone 21:  II 2 D Ex tb IIIC T* °C Db Zone 22:  II 3 D Ex tc IIIC T* °C Dc * surface temperature see test certificate

Certifications and certificates

Certificates	IECEX, ATEX, Brazil (INMETRO), Kazakhstan (GOST K), Russia (GOST R), USA Canada (FM), Belarus (operating authorisation), Taiwan (ITRI)
Ship approval	GL

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Technical Data

Electrical data

Ballast

	6600/5...-....-0...	6600/5...-....-6...
Lamp start	Cold start	Cold start
Voltage	220 ... 240 Vac	220 ... 240 Vac
Voltage DC during switching on	198 ... 264 Vdc	198 ... 264 Vdc
Voltage DC during operation	176 ... 264 Vdc	176 ... 264 Vdc
Frequency	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz
Operation of the lamps DC	with 1 lamp	with 2 lamps
Lamps standard	IEC 60081	IEC 60081
Lamp power	18, 36, 58 W	18, 36, 58 W
Nominal current	2x18W 170mA 2x36W 320mA 2x58W 500mA	2x18W 150mA 2x36W 300mA 2x58W 480mA

Power factor $\cos \varphi$ $\cos \varphi \geq 0.96$ capacitive; additional compensation not required

Disconnection of the light 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

Measures for light guidance

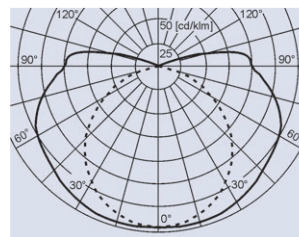
Standard

Wide beam, reflector painted white.
Colour: signal white RAL 9003; prismatic structure for anti-glare in the diffuser sides.

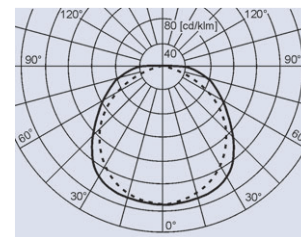
Special

Additional reflector (easily mounted), broad deep-beam, aluminium anodized and semi-polished.

Luminous intensity distribution



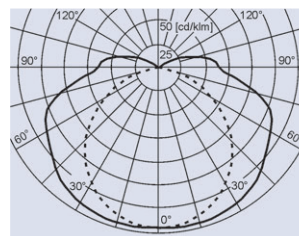
C90 C45
C180 C0
C270
08258E00



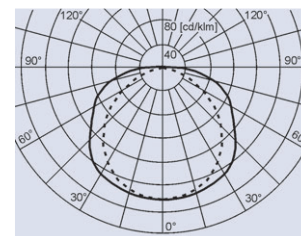
C90 C45
C180 C0
C270
08257E00

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

1-lamp, with reflector
B31



C90 C45
C180 C0
C270
08259E00



C90 C45
C180 C0
C270
08257E00

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

2-lamp, with reflector
B31

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Technical Data

Ambient conditions

Umgebungstemperatur	without trough wiring		with trough wiring	
	T _a	T _{s max}	T _a	T _{s max}
220 ... 240 V (IEC)				
6600/52.-.....-0...	-25 ... +55 °C	+80 °C	-25 ... +55 °C	+80 °C
6600/54.-.....-0...	-25 ... +55 °C	+80 °C	-25 ... +55 °C	+80 °C
6600/56.-.....-0...	-25 ... +55 °C	+80 °C	-25 ... +55 °C	+80 °C
220 ... 240 V (IEC)				
6600/52.-.....-6...	-25 ... +55 °C	+70 °C	-25 ... +55 °C	+70 °C
6600/54.-.....-6...	-25 ... +55 °C	+70 °C	-25 ... +55 °C	+70 °C
6600/56.-.....-6...	-25 ... +55 °C	+75 °C	-25 ... +55 °C	+75 °C

Mechanical data

Degree of protection	IP66 (IP64 when using breather 8162)
Protection class	I (with internal PE connection terminal)
Material	
Enclosure	Polyester resin, glass fibre reinforced, colour white, similar RAL 9010
Lamp cover	Polycarbonate
Seal	Silicone-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 lock	Quick fasteners to open with screw-driver; cover hinged for access.

Mounting / Installation

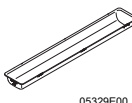
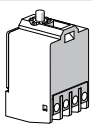
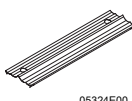
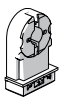
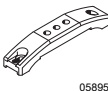
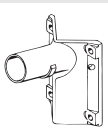
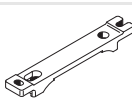
Mounting	2 x M8 inserts in housing Mounting grooves in housing to accommodate bracket fitting and ceiling rails for variable light installation. Variable mounting distances of light fittings; see dimension drawings
Cable glands	Standard 1 x cable gland 8161, M25 x 1.5, cable dia. range: $\varnothing$ 7 ... 17 mm 2 x stopping plugs 8290, M25 x 1.5 Special Entry parts in moulded plastic (8161 / 8290): M20 Metal glands: M20; M25; Metal cable gland earthing via metal adapter plates
Connection	
Standard	Spring clamp 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

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Accessories and Spare Parts

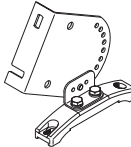
Designation	Figure	Description	Art. no.	Weight kg
Fluorescent lamp	 04936E00	Two-pin cap $\varnothing$ 26 mm Light colour: universal white Pins made of brass		
		18 W 1350 lm	108952	0.100
		36 W 3350 lm	108951	0.200
		58 W 5200 lm	108950	0.220
Diffuser cover	 05329E00	for light fitting 18 W	124890	0.500
		for light fitting 36 W	124897	0.860
		for light fitting 58 W	124904	0.800
Switch	 10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	132527	0.026
Reflectors	 05324E00	for later installation, broad deep beam		
		For 2-lamps light fitting 18 W	117098	0.265
		For 2-lamps light fittings 36 W	117115	0.234
		For 2-lamps light fittings 58 W	117145	0.290
Adapter plates	 05755E00	for earth continuity when using metal glands;		
		2 x M20 x 1.5 1 piece	115826	0.060
		2 x M25 x 1.5 1 piece	115828	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	124901	0.300
Ring bolts	 05378E00	M8, direct mounting in insert nuts	115736	0.120
Wall-mounting bracket	 05460E00	to mount the lamps as side-entry lamps using a tube with a length of 1300 mm, $\varnothing$ 42 mm (for pipe clamp R 1 1/2")	109281	4.215
Ceiling mounting bracket	 05897E00	for ceiling suspension of the lamp, 1 pair	124908	0.230

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Accessories and Spare Parts

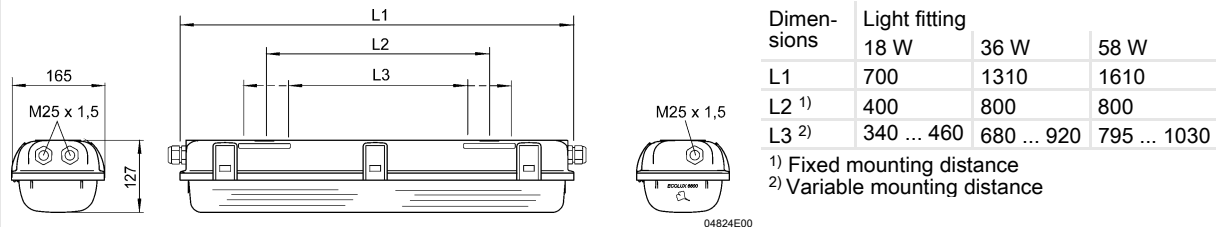
Designation	Figure	Description	Art. no.	Weight kg
Pipe clamps	 09402E00	with mounting rail for a variable mounting distance; Material: stainless steel		
		R 1 1/4" (Ø 42 mm)	124913	1.140
		R 1 1/2" (Ø 48 mm)	124891	1.160
		R 2" (Ø 60 mm)	124898	1.300
Mounting set „Grid cable rack”	 04361E00	for grid cable racks, with a cable diameter of 6 mm; with mounting rail for a variable mounting distance; Material: stainless steel	124905	1.560
Ceiling and wall-mounting bracket	 05898E00 02055E00	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	 02055E00	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
		8161/5-M25-17 50 pieces	138456	1.000
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 x 1,5 1 pieces	143524	0.007
		8290/3-M25 100 pieces	143544	0.700
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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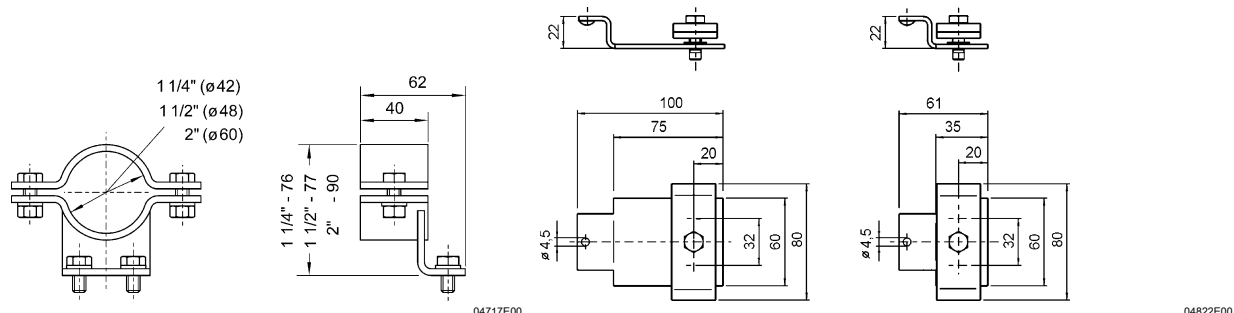
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Dimensional Drawings (All Dimensions in mm) - Subject to Alterations

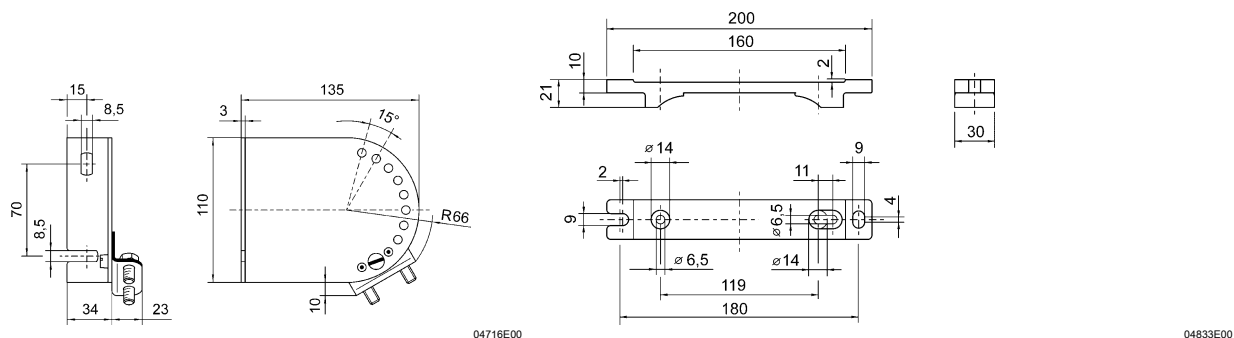


Light fittings ECOLUX 6600, 18 W, 36 W, 58 W



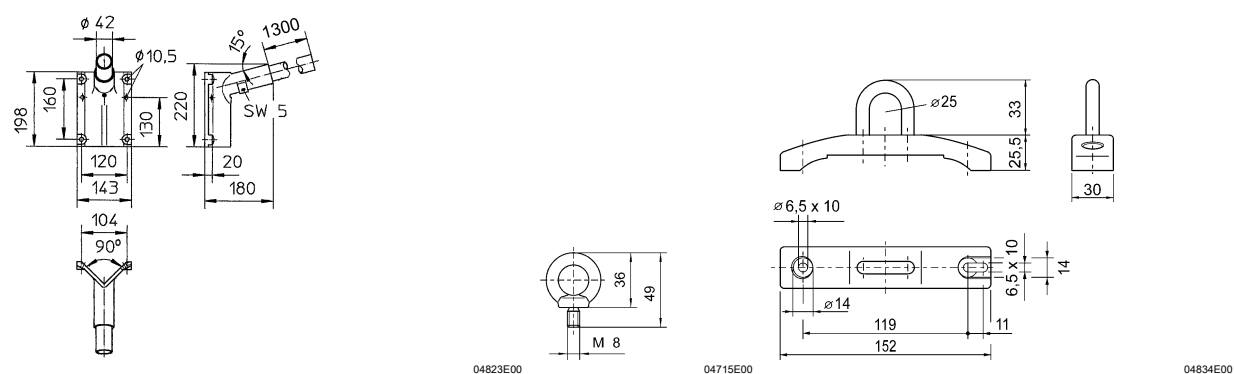
Pipe clamp

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.