

Linear Luminaire for Fluorescent Lamps

Series ECOLUX METAL 6010/1



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15709E00

- > For use in Zones 1, 2, 21, 22 and safe area
- > 2-lamp version:
 - 18 W
 - 36 W
- > Housing made of sheet steel or stainless steel SS304 / SS316L
- > Quick fasteners

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The light fittings of Series ECOLUX METALL 6010 can be used in Zone 1, 2 and 21, 22 for normal lighting, but also as group-supplied or centrally supplied emergency light fitting. The version with stainless steel SS316L metal enclosure is particularly suitable for marine applications.

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

Explosion Protection	
Global (IECEx)	
Gas and dust	IECEx BVS 14.0084X Ex d e IIC T4 Gb Ex tb IIIC T 80°C Db
Europe (ATEX)	
Gas and dust	BVS 14 ATEX E 129 X ⊕ II 2 G Ex de IIC T4 Gb ⊕ II 2 D Ex tb IIIC T80°C Db
Certifications and certificates	
Certificates	IECEx, ATEX, India (PESO)

WebCode 6010A

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Selection Table

Version	Lamps	Cable glands	Through wiring	Enclosure	Order number	Art. no.	Weight kg
ECOLUX METAL 6010	2 x 18 W	Plastic M25	without	Sheet Steel	6010/1152-2807-0010	229861	6.360
			without	Stainless Steel SS316L	6010/1152-2807-0014	229862	6.460
		Plastic M20	without	Sheet Steel	6010/1152-2808-0010	229827	6.360
			without	Stainless Steel SS316L	6010/1152-2808-0014	229828	6.460
	2 x 36 W	Plastic M25	without	Sheet Steel	6010/1154-2807-0010	229863	8.900
			without	Stainless Steel SS316L	6010/1154-2807-0014	229864	9.000
		Plastic M20	without	Sheet Steel	6010/1154-2808-0010	229829	8.900
			without	Stainless Steel SS316L	6010/1154-2808-0014	229830	9.000

Note The light fittings are supplied without tubes. These must be ordered separately.

Technical Data

Electrical data

Ballast

	6010/1...-...-0..	6010/1...-...-1..	6010/1...-...-2..	6010/1...-...-3..	6010/1...-...-6..
Lamp start	Cold start	Cold start	Cold start	Cold start	Cold start
Voltage	220 ... 240 V AC	220 ... 240 V AC	110 ... 240 V AC	110 ... 240 V AC	120 ... 277 V AC
Voltage DC during switching on	198 ... 264 V DC	198 ... 264 V DC	104 ... 264 V DC	104 ... 264 V DC	113 ... 294 V DC
Voltage DC during operation	176 ... 264 V DC	176 ... 264 V DC	104 ... 264 V DC	104 ... 264 V DC	113 ... 294 V DC
Frequency	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz
Operation of the lamps DC	1 lamp	2 lamps	1 lamp	2 lamps	2 lamps
Lamp standard	IEC 60081	IEC 60081	IEC 60081	IEC 60081	ANSI C78.81
Lamp power	18, 36 W	18, 36 W	18, 36 W	18, 36 W	17, 32 W
Nominal current	2 x 18 W, 170 mA 2 x 36 W, 320 mA	2 x 18 W, 170 mA 2 x 36 W, 320 mA	2 x 18 W, 170 ... 345 mA 2 x 36 W, 310 ... 660 mA	2 x 18 W, 170 ... 345 mA 2 x 36 W, 310 ... 660 mA	2 x 17 W, 155 ... 305 mA 2 x 32 W, 270 ... 570 mA
Power factor cos φ	≥ 0.97				

Ambient conditions

Operating temperature range -20 ... +60 °C

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Technical Data

Mechanical data

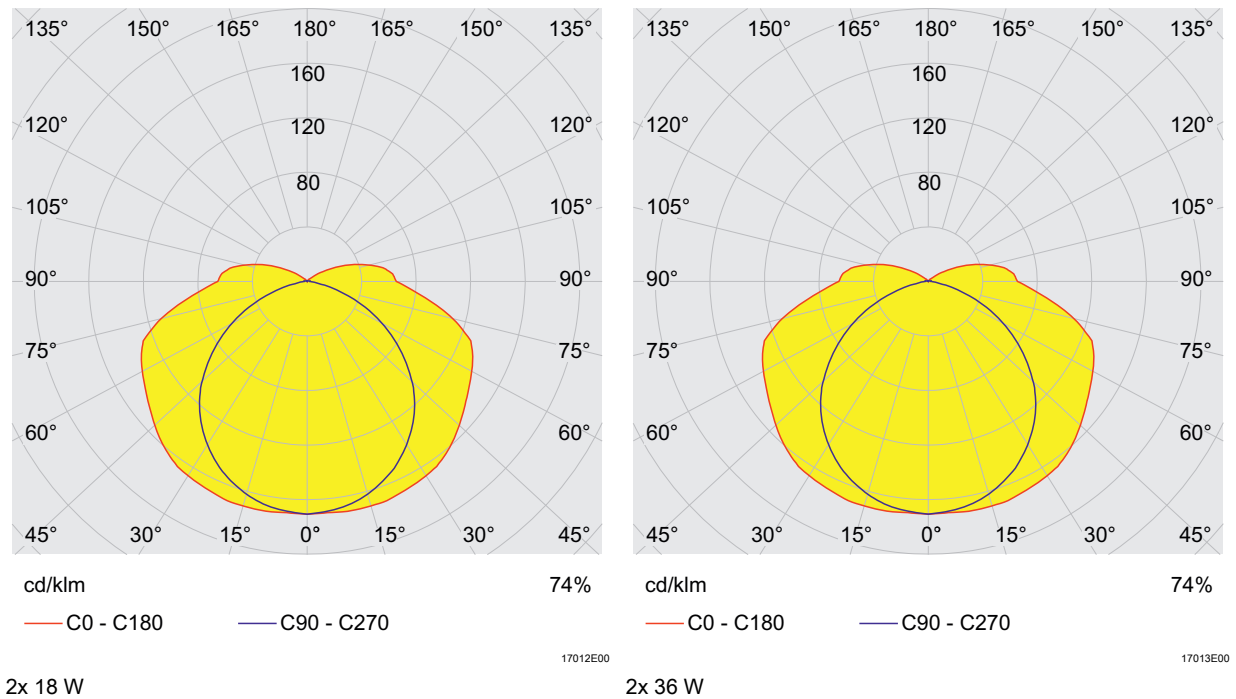
Degree of protection	IP66 for ceiling mounting IP65 for wall mounting IP64 when using breather 8162 IP67 (IEC 60598)
Protection class	I (with internal PE connection)
Material	
Enclosure	Sheet steel powder coated Stainless steel SS304 (V2A 1.4301) powder coated, optional brushed Stainless steel SS316L (V4A 1.4404) powder coated, optional brushed
Translucent cover	Polycarbonate
Luminaire locking	Quick locking device stainless steel
Colour	colour white, similar to RAL 9010
Gasket	Silicon foamed in translucent cover

Mounting / Installation

Cable glands	2x M20/M25 left and right, 1x cable glands and 3 stopping plugs as standard
Connection	Spring clamp terminal up to 4 mm ² 3-pole (2 x L1, 2 x N, 2 x PE) 5-pole (2 x L1, 2 x L2, 2 x L3, 2 x N, 2 x PE) Screw terminal up to 6 mm ² 3-pole (2 x L1, 2 x N, 2 x PE) 5-pole (2 x L1, 2 x L2, 2 x L3, 2 x N, 2 x PE)
Through wiring	option
Assembly	Suitable for wall and ceiling mounting. Mounting holes for screws M8 and elongated holes for screws M6 are available. Observe the assembly drawing.

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Light Distribution Curves






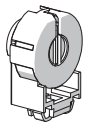

Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Diffuser cover		for light fitting 18 W	124890	0.500
		for light fitting 36 W	124897	0.860

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Accessories and Spare Parts

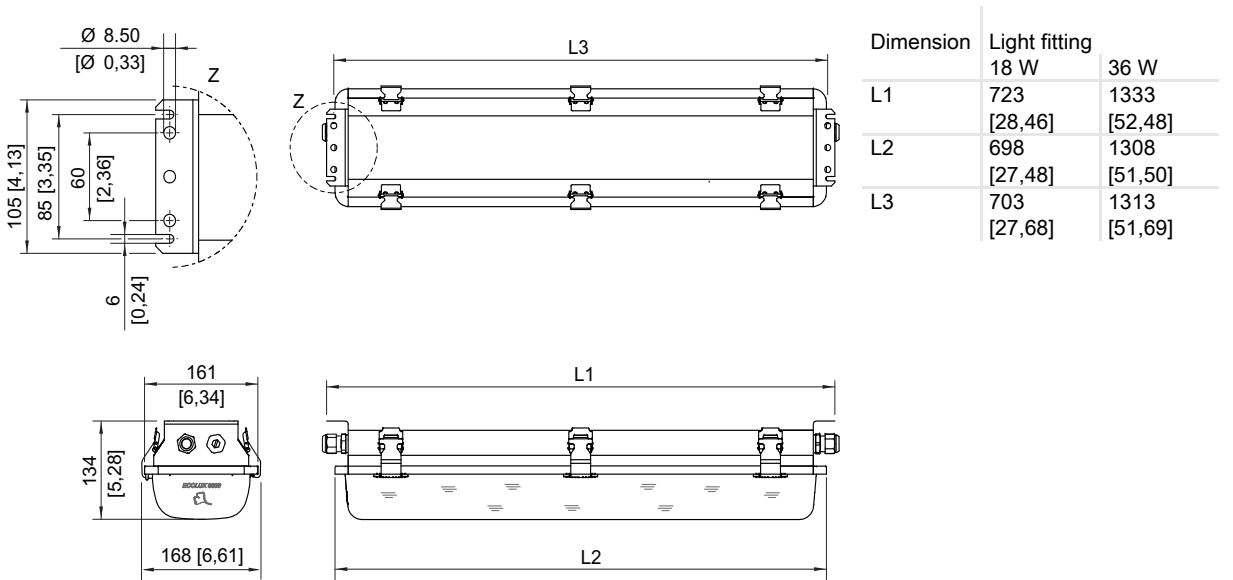
Designation	Figure	Description	Art. no.	Weight kg	
Cable gland		of moulded material, Series 8161			
		8161/7-M20-1304 4 ... 13 mm ²	1 piece	229917	0.012
		8161/7-M20-1304 4 ... 13 mm ²	50 pieces (delivery lot*)	239156	0.600
		8161/7-M25-1707 7 ... 17 mm ²	1 piece	229918	0.020
		8161/7-M25-1707 7 ... 17 mm ²	50 pieces (delivery lot*)	239157	1.000
Stopping plug		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
Breathing gland		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
Lamp-holder		Lamp holder G13	1 piece	117252	0.036
Fluorescent lamp		Two-pin cap Ø 26 mm Light colour: universal white Pins made of brass			
		18 W 1350 lm		108952	0.100
		36 W 3350 lm		108951	0.200

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Dimensional Drawings (all Dimension in mm [inch]) - Subject to Alterations



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Light Fitting ECOLUX METAL Serie 6010

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.