

Tubular Light Fitting with LED

Series 6036



16764E00

- > Extremely robust luminaire design for rough ambient conditions
- > Very lightweight and vibration resistant LED light fitting
- > Extremely long service life due to LED used
- > High power LEDs including driver in innovative design
- > Low start-up current

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The tubular light fitting **Series 6036** is an extremely robust luminaire with high IP level of protection. The luminaire is maintenance-free and very durable and is particularly suitable for general lighting and machine lighting. Due to its small design and special mounting accessories, the tubular light fitting Series 6036 can be easily mounted in a confined space and places which are difficult to access.

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

Explosion Protection

Global (IECEx)

Gas and dust | IECEx EPS 13.0027
 Ex d op is IIC T4 Gb or Ex db opb is IIC T4
 Ex tb IIIC T100 °C Db or Ex tb IIIC T100 °C

Europe (ATEX)

Gas and dust | EPS 13 ATEX 1 597
 Ⓜ II 2G Ex d op is IIC T4 Gb or Ex db opb is IIC T4
 Ⓜ II 2D Ex tb IIIC T100 °C Db or Ex tb IIIC T100 °C

Certifications and certificates

Certificates | IECEx, ATEX

WebCode 6036A

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Selection Table

Version	Diffusor	Connection line Type	Length	Order number	Art. no.	Weight
						kg
Size 2 (28 W)	without	H07RN-F 2x 1 mm ²	2.5 m	6036/1225-050-0120-01	223994	1.280
	without	H07RN-F 2x 1 mm ²	5.0 m	6036/1225-050-0150-01	223997	1.500
	without	H07RN-F 2x 1 mm ²	10 m	6036/1225-050-0170-01	239981	2.133
	without	H07RN-F 2x 1 mm ²	20 m	6036/1225-050-0180-01	223870	3.300
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	2.5 m	6036/1225-050-0320-01	224003	1.200
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	5.0 m	6036/1225-050-0350-01	224006	1.350
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	10 m	6036/1225-050-0370-01	239982	1.633
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	20 m	6036/1225-050-0380-01	224000	2.300
	with	H07RN-F 2x 1 mm ²	2.5 m	6036/1225-050-0120-11	224012	1.400
	with	H07RN-F 2x 1 mm ²	5.0 m	6036/1225-050-0150-11	224015	1.600
	with	H07RN-F 2x 1 mm ²	10 m	6036/1225-050-0170-11	239983	2.200
	with	H07RN-F 2x 1 mm ²	20 m	6036/1225-050-0180-11	224009	3.300
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	2.5 m	6036/1225-050-0320-11	224021	1.300
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	5.0 m	6036/1225-050-0350-11	224024	1.400
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	10 m	6036/1225-050-0370-11	239984	1.700
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	20 m	6036/1225-050-0380-11	224018	2.300
Size 3 (38 W)	without	H07RN-F 2x 1 mm ²	2.5 m	6036/1235-050-0120-01	223995	1.630
	without	H07RN-F 2x 1 mm ²	5.0 m	6036/1235-050-0150-01	223998	1.950
	without	H07RN-F 2x 1 mm ²	10 m	6036/1235-050-0170-01	229833	2.485
	without	H07RN-F 2x 1 mm ²	20 m	6036/1235-050-0180-01	223992	3.600
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	2.5 m	6036/1235-050-0320-01	224004	1.550
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	5.0 m	6036/1235-050-0350-01	224007	1.700
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	10 m	6036/1235-050-0370-01	229838	1.985
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	20 m	6036/1235-050-0380-01	224001	2.600
	with	H07RN-F 2x 1 mm ²	2.5 m	6036/1235-050-0120-11	224013	1.750
	with	H07RN-F 2x 1 mm ²	5.0 m	6036/1235-050-0150-11	224016	2.000
	with	H07RN-F 2x 1 mm ²	10 m	6036/1235-050-0170-11	229834	2.550
	with	H07RN-F 2x 1 mm ²	20 m	6036/1235-050-0180-11	224010	3.700
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	2.5 m	6036/1235-050-0320-11	224022	1.600
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	5.0 m	6036/1235-050-0350-11	224025	1.800
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	10 m	6036/1235-050-0370-11	229839	2.100
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	20 m	6036/1235-050-0380-11	224019	2.700

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Selection Table

Version	Diffusor	Connection line Type	Length	Order number	Art. no.	Weight kg
Size 4 (49 W)	without	H07RN-F 2x 1 mm ²	2.5 m	6036/1248-050-0120-01	223996	2.000
	without	H07RN-F 2x 1 mm ²	5.0 m	6036/1248-050-0150-01	223999	2.300
	without	H07RN-F 2x 1 mm ²	10 m	6036/1248-050-0170-01	227249	2.815
	without	H07RN-F 2x 1 mm ²	20 m	6036/1248-050-0180-01	223993	3.900
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	2.5 m	6036/1248-050-0320-01	224005	1.900
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	5.0 m	6036/1248-050-0350-01	224008	2.000
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	10 m	6036/1248-050-0370-01	227253	2.350
	without	(N)HXSLHXÖ-J 2x 1.5 mm ²	20 m	6036/1248-050-0380-01	224002	2.900
	with	H07RN-F 2x 1 mm ²	2.5 m	6036/1248-050-0120-11	224014	2.100
	with	H07RN-F 2x 1 mm ²	5.0 m	6036/1248-050-0150-11	224017	2.400
	with	H07RN-F 2x 1 mm ²	10 m	6036/1248-050-0170-11	227250	2.910
	with	H07RN-F 2x 1 mm ²	20 m	6036/1248-050-0180-11	224011	4.000
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	2.5 m	6036/1248-050-0320-11	224023	2.000
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	5.0 m	6036/1248-050-0350-11	224026	2.100
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	10 m	6036/1248-050-0370-11	227252	2.420
	with	(N)HXSLHXÖ-J 2x 1.5 mm ²	20 m	6036/1248-050-0380-11	224020	3.000

Note The tubular light fitting is delivered without plug. Specify the plug on order (see Accessories and Spare Parts) or connect in a terminal box.
The tubular light fitting is delivered without mounting material. See Technical Data - Mounting - Accessories and Spare Parts.

Technical Data

Electrical data

Rated operational voltage	220 ... 240 V ± 10 % AC 50 / 60 Hz				
Rated operational current	0.13 A (size 2) 0.18 A (size 3) 0.25 A (size 4)				
Inrush current	I _{peak} = 38 A; Δt = 12 μs max. light fittings per circuit breaker:				
	Typ	10 A	16 A	20 A	25 A
	B	30	50	60	80
	C	30	50	60	80
Power factor	≥ 0.95				

Luminous characteristics

Colour temperature	5000 K		
Colour rendering	Ra ≥ 70		
Luminous flux	6036/1225-.....1 (size 2)	6036/1235-.....1 (size 3)	6036/1248-.....1 (size 4)
	at T _a = 25 °C		
without diffuser			
Luminous flux	2,715 lm	3,947 lm	5,263 lm
Luminaire efficiency	107 lm/W	107 lm/W	109 lm/W
with diffuser			
Luminous flux	2,226 lm	3,368 lm	4,491 lm
Luminaire efficiency	89 lm/W	91 lm/W	93 lm/W

Luminous flux decrease at T_a = 60 °C to 50% of the nominal value.

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Technical Data

Ambient conditions

Operating temperature range	-40 ... +60 °C
Storage	-40 ... +70 °C

Service life

Service life		$T_a \leq 25\text{ °C}$	$T_a \leq 45\text{ °C}$	$T_a \leq 60\text{ °C}$
	$L_{70}B_{10}C_{10}$	100,000 h	90,000 h	80,000 h
$L_xB_yC_z$				
At the end of the service life:				
• Luminous flux decrease to "x" percent				
• up to "y" percent of all light fittings fall below "x"				
• up to "z" percent of all light fittings break down completely				

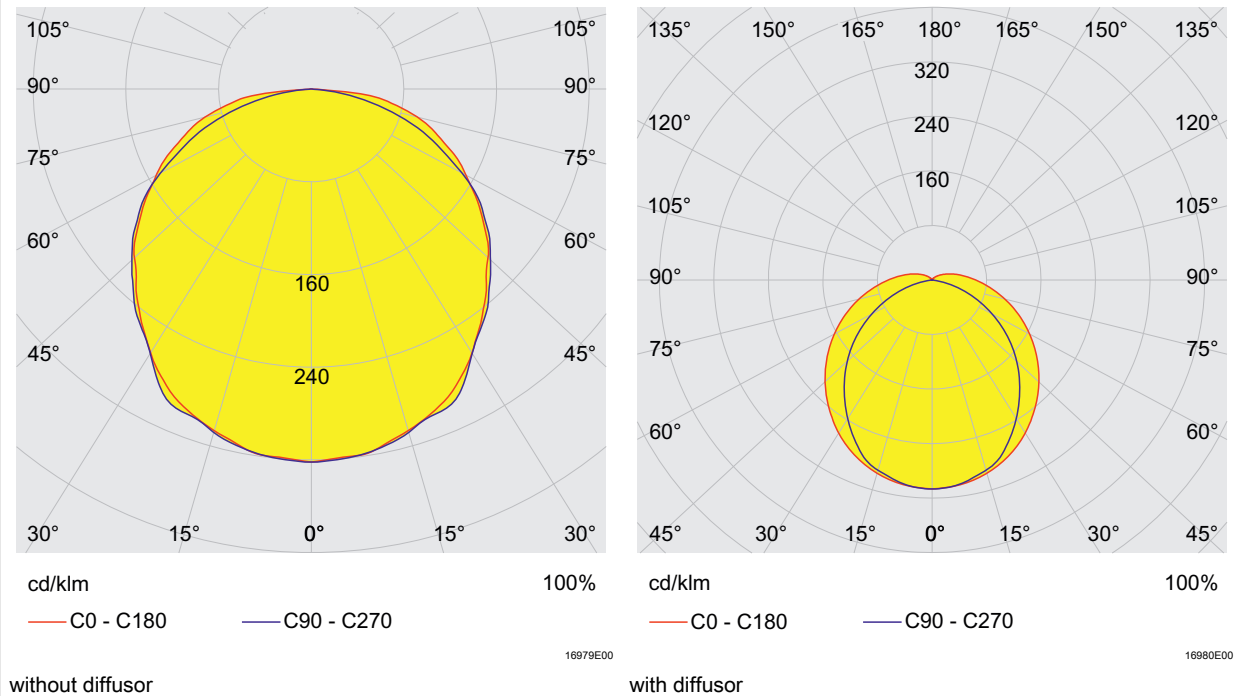
Mechanical data

Degree of protection	IP66 / IP67 (IEC 60598)
Protection class	II
Material	
Enclosure tube	Polycarbonate
Sealing cap	NBR / PVC (EPDM)

Mounting / Installation

Connection line	Standard:	Connection line, type H07RN-F, ϕ 7.7 ... 10 mm, 2 x 1 mm ²
	Optional:	Gifas Thermoflex cable, HXSLHXÖ-J, ϕ 7.7 ... 10 mm, 2 x 1.5 mm ²
Mounting	Mounting option: pipe clamp, rubber coated, clamping range 48 ... 53 mm	

Light distribution curves



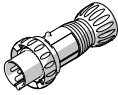
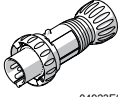
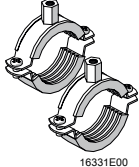
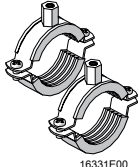
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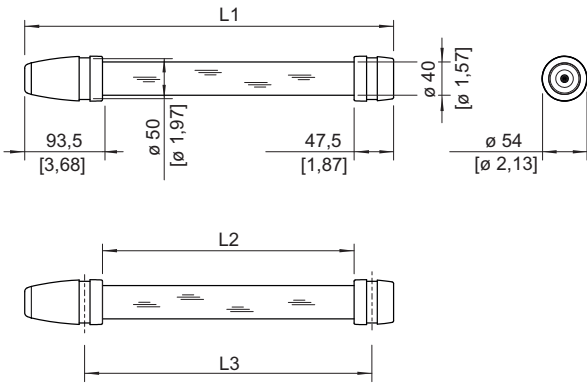


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Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Plug	 04923E00	8570/12-304 3 pins, 100 ... 130 V, 50 / 60 Hz, 16 A	150599	0.420
	 04923E00	8570/12-306 3 pins, 200 ... 250 V, 50 / 60 Hz, 16 A	150579	0.420
Mounting bracket	 16331E00	Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256	0.190
	 16331E00	Mounting bracket made of stainless steel V4A (1,4301 / S316) to screw onto thread M8 or M10 (2 pieces)	227257	0.180

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



Technical drawing showing dimensions for the tubular light fitting. Dimensions are in mm [inches].

- L1: Total length
- L2: Length to the end of the mounting bracket
- L3: Length to the end of the LED strip
- 93,5 [3,68]: Distance from the end of the fitting to the start of the LED strip
- 47,5 [1,87]: Distance from the end of the LED strip to the end of the fitting
- Ø 50 [Ø 1,97]: Diameter of the LED strip
- Ø 40 [Ø 1,57]: Diameter of the mounting bracket
- Ø 54 [Ø 2,13]: Diameter of the fitting

	Size 2	Size 3	Size 4
L1	762 [30.0]	1,059 [41.7]	1,382 [54.4]
L2	618 [24.3]	917 [36.1]	1,240 [48.8]
L3	664 [26.1]	962 [37.9]	1,285 [50.6]

15559E00

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.