

Tubular Light Fitting with LED
Series 6036

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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

E2



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

WebCode 6036A

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Selection Table

Version	Diffusor	Temperature class	Connection line		Order number	Art. no.	Weight		
			Type	Length					
Size 2 (28 W) standard	without	T4	H07RN-F 2 x 1,5 mm ²	2.5 m	6036/1225-050-0121-01	251414	1.350		
				5.0 m	6036/1225-050-0151-01	251415	1.660		
				10 m	6036/1225-050-0171-01	251416	2.280		
				20 m	6036/1225-050-0181-01	251417	3.530		
		T6	H07RN-F 2 x 1,5 mm ²	5.0 m	6036/1225-150-0151-01	247953	1.600		
				T4	(N)HXSLHXÖ-J 2 x 1.5 mm ²	2.5 m	6036/1225-050-0321-01	224003	1.200
						5.0 m	6036/1225-050-0351-01	224006	1.350
						10 m	6036/1225-050-0371-01	239982	1.633
	with	T4	H07RN-F 2 x 1,5 mm ²	2.5 m	6036/1225-050-0121-11	251424	1.420		
				5.0 m	6036/1225-050-0151-11	251425	1.730		
				10 m	6036/1225-050-0171-11	251426	2.350		
				20 m	6036/1225-050-0181-11	251427	3.600		
		T6	H07RN-F 2 x 1,5 mm ²	5.0 m	6036/1225-150-0151-11	247955	1.650		
				T4	(N)HXSLHXÖ-J 2 x 1.5 mm ²	2.5 m	6036/1225-050-0321-11	224021	1.300
						5.0 m	6036/1225-050-0351-11	224024	1.400
						10 m	6036/1225-050-0371-11	239984	1.700
Size 3 (38 W) standard	without	T4	H07RN-F 2 x 1,5 mm ²	2.5 m	6036/1235-050-0121-01	251434	1.700		
				5.0 m	6036/1235-050-0151-01	251435	2.010		
				10 m	6036/1235-050-0171-01	251436	2.640		
				20 m	6036/1235-050-0181-01	251437	3.890		
		T6	H07RN-F 2 x 1,5 mm ²	5.0 m	6036/1235-150-0151-01	247957	1.950		
				T4	(N)HXSLHXÖ-J 2 x 1.5 mm ²	2.5 m	6036/1235-050-0321-01	224004	1.550
						5.0 m	6036/1235-050-0351-01	224007	1.700
						10 m	6036/1235-050-0371-01	229838	1.985
		with	T4	H07RN-F 2 x 1,5 mm ²	2.5 m	6036/1235-050-0121-11	251444	1.780	
					5.0 m	6036/1235-050-0151-11	251445	2.090	
					10 m	6036/1235-050-0171-11	251446	2.720	
					20 m	6036/1235-050-0181-11	251447	3.970	
	T6		H07RN-F 2 x 1,5 mm ²	5.0 m	6036/1235-150-0151-11	247959	2.000		
				T4	(N)HXSLHXÖ-J 2 x 1.5 mm ²	2.5 m	6036/1235-050-0321-11	224022	1.600
						5.0 m	6036/1235-050-0351-11	224025	1.800
						10 m	6036/1235-050-0371-11	229839	2.100
					20 m	6036/1235-050-0381-11	224019	2.700	

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Selection Table

Version	Diffusor	Temperature class	Connection line		Order number	Art. no.	Weight		
			Type	Length					
Size 4 (49 W) standard	without	T4	H07RN-F 2 x 1,5 mm ²	2.5 m	6036/1248-050-0121-01	251454	2.030		
				5.0 m	6036/1248-050-0151-01	251455	2.340		
				10 m	6036/1248-050-0171-01	251456	2.970		
				20 m	6036/1248-050-0181-01	251457	4.220		
		T6	H07RN-F 2 x 1,5 mm ²	5.0 m	6036/1248-150-0151-01	247961	2.300		
				T4	(N)HXSLHXÖ-J 2 x 1.5 mm ²	2.5 m	6036/1248-050-0321-01	224005	1.900
						5.0 m	6036/1248-050-0351-01	224008	2.000
						10 m	6036/1248-050-0371-01	227253	2.350
	with	T4	H07RN-F 2 x 1,5 mm ²	2.5 m	6036/1248-050-0121-11	251464	2.130		
				5.0 m	6036/1248-050-0151-11	251465	2.440		
				10 m	6036/1248-050-0171-11	251466	3.070		
				20 m	6036/1248-050-0181-11	251467	4.320		
		T6	H07RN-F 2 x 1,5 mm ²	5.0 m	6036/1248-150-0151-11	247963	2.400		
				T4	(N)HXSLHXÖ-J 2 x 1.5 mm ²	2.5 m	6036/1248-050-0321-11	224023	2.000
5.0 m	6036/1248-050-0351-11	224026	2.100						
10 m	6036/1248-050-0371-11	227252	2.420						
20 m	6036/1248-050-0381-11	224020	3.000						

Order Number Supplement

Connection cable	H07RN-F, 2x 1,5 mm ²	6036/1 1
	Gifas Thermflex, HXSLHXÖ-J, 2x 1.5 mm ²	6036/1 3
	RCO 5221, 2x 1.5 mm ²	6036/1 4
	(N)SSHÖU 1kV, 2x 1.5 mm ²	6036/1 6
	RADOX, MFH-S B, 2x 1.5 mm ²	6036/1 7
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.	

Selection Table

Version	Diffusor	Temperature class	Connection line		Order number	Art. no.	Weight
			Type	Length			
Size 2 (28 W) mining	without	T4	(N)SSHOU 1kV 2x 1.5 mm ²	1 m	6036/1225-650-0601-01	247975	1.150
	with	T4	(N)SSHOU 1kV 2x 1.5 mm ²	1 m	6036/1225-650-0601-11	247969	1.200
Size 3 (38 W) mining	without	T4	(N)SSHOU 1kV 2x 1.5 mm ²	1 m	6036/1235-650-0601-01	247973	1.500
	with	T4	(N)SSHOU 1kV 2x 1.5 mm ²	1 m	6036/1235-650-0601-11	247967	1.600
Size 4 (49 W) mining	without	T4	(N)SSHOU 1kV 2x 1.5 mm ²	1 m	6036/1248-650-0601-01	247971	1.850
	with	T4	(N)SSHOU 1kV 2x 1.5 mm ²	1 m	6036/1248-650-0601-11	247965	1.950

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.

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Explosion Protection

Global (IECEX)			
Gas, dust and mining	IECEX EPS 13.0027 Ex d op is IIC T* Gb Ex tb IIIC T* °C Db Ex d op is I Mb * temperature classes and surface temperatures see below		
Europe (ATEX)			
Gas, dust and mining	EPS 13 ATEX 1 597 ⊕ II 2 G Ex d op is IIC T* Gb ⊕ II 2 D Ex tb IIIC T* °C Db ⊕ I M 2 Ex d op is I Mb * temperature classes and surface temperatures see below		
Certifications and certificates			
Certificates	IECEX, ATEX, Kazakhstan (TR), Russia (TR), Belarus (TR)		
Ship approval	DNV-GL		
Surface temperature and temperature class			
	Version	Temperature class	Surface temperature
	6036/1...-0...-...-..	T4	100 °C
	6036/1...-1...-...-..	T6	80 °C

Technical Data

Electrical data

Rated operational voltage	220 ... 240 V AC 50 / 60 Hz 209 ... 240 V DC				
Voltage range	198 ... 264 V AC 50 / 60 Hz 188 ... 264 V DC				
Rated operational current	0.13 A (size 2) 0.18 A (size 3) 0.25 A (size 4)				
Inrush current	I _{peak} = 3,8 A; Δt = 12 μs max. light fittings per circuit breaker:				
	Type	10 A	16 A	20 A	25 A
	B	30	50	60	80
	C	30	50	60	80
Power factor	≥ 0,90				
Protection class	II				

Luminous characteristics

	6036/1225-...-...-..-1	6036/1235-...-...-..-1	6036/1248-...-...-..-1
Power consumption [W]	28	38	49
Colour rendering [CRI]	≥ 80	≥ 80	≥ 80
Colour temperature [K]	5,000	5,000	5,000
without diffuser			
Luminous flux [lm]	2,715	3,947	5,263
Luminaire efficiency [lm/W]	107	107	109
with diffuser			
Luminous flux [lm]	2,226	3,368	4,491
Luminaire efficiency [lm/W]	89	91	93

Values apply to T_a = +25 °C.
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	Cable	T4 variant	T6 variant	Mining variant
	H07RN-F; 2 x 1,5 mm ²	-50 ... +60 °C	-50 ... +45 °C	-40 ... +60 °C
	HXSLHXÖ-J; 2 x 1,5 mm ²	-40 ... +60 °C	-40 ... +45 °C	-40 ... +60 °C
	RCO 5221; 2 x 1,5 mm ²	-55 ... +60 °C	-55 ... +45 °C	-40 ... +60 °C
	BFOU P5-P12; 2 x 1,5 mm ²	-40 ... +60 °C	-40 ... +45 °C	-40 ... +60 °C
	(N)SSHÖU 1kV; 2 x 1,5 mm ²	-45 ... +60 °C	-45 ... +45 °C	-40 ... +60 °C
	RADOX, MFH-S B; 2 x 1,5 mm ²	-50 ... +60 °C	-50 ... +45 °C	-40 ... +60 °C

Data applies to fixed lines.

The luminaire must be switched on above -40 °C.

Storage: -40 ... +70 °C

Service life

Service life	T _a ≤ 25 °C	T _a ≤ 45 °C	T _a ≤ 60 °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 IP68 (10 m / 1 h) acc. to IEC 60598
Impact strength (IK code)	IK10 (IEC 62262)
Material	
Enclosure tube	Polycarbonate
Sealing cap	NBR / PVC (EPDM)

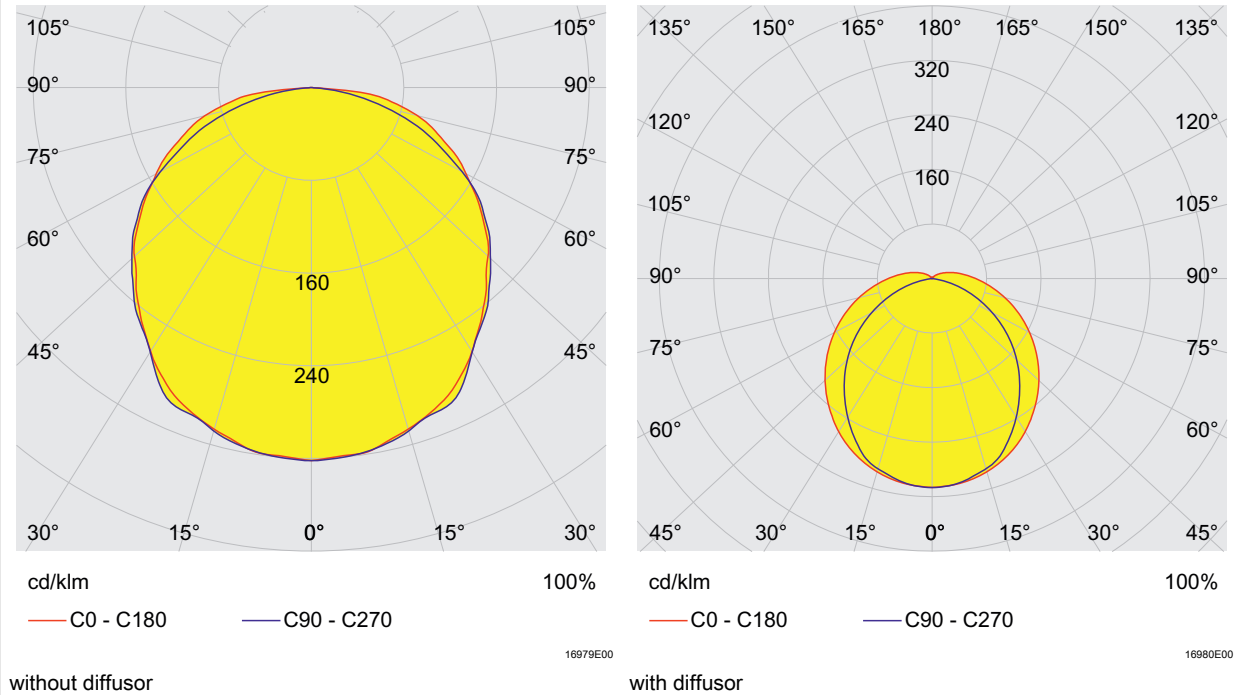
Mounting / Installation

Connection line	The connection line must be laid securely.	
	Designation	Application
	H07RN-F, ∅ 8.8 ... 11 mm, 2 x 1.5 mm ²	Standard
	Gifas Thermflex cable, HXSLHXÖ-J, ∅ 7.7 ... 10 mm, 2 x 1.5 mm ²	
	RCO 52261, ∅ 10 ... 12 mm, 2 x 1.5 mm ²	Special applications
	(N)SSHÖU 1kV, ∅ 8.7 ... 9 mm, 2 x 1.5 mm ²	Voltage-proof up to 1kV
	RADOX, MFH-S B, ∅ 6 ... 7 mm, 2 x 1.5 mm ²	Offshore
Mounting	Mounting options:	
	Pipe clamp:	rubber coated, clamping range 48 ... 53 mm
	Double pipe clamp:	made of plastic for mounting of pipes with a diameter of 45 ... 55 mm (Screws and nuts made of stainless steel V2A)

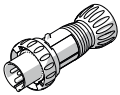
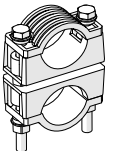
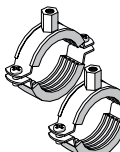
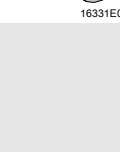
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Light distribution curves



Accessories and Spare Parts

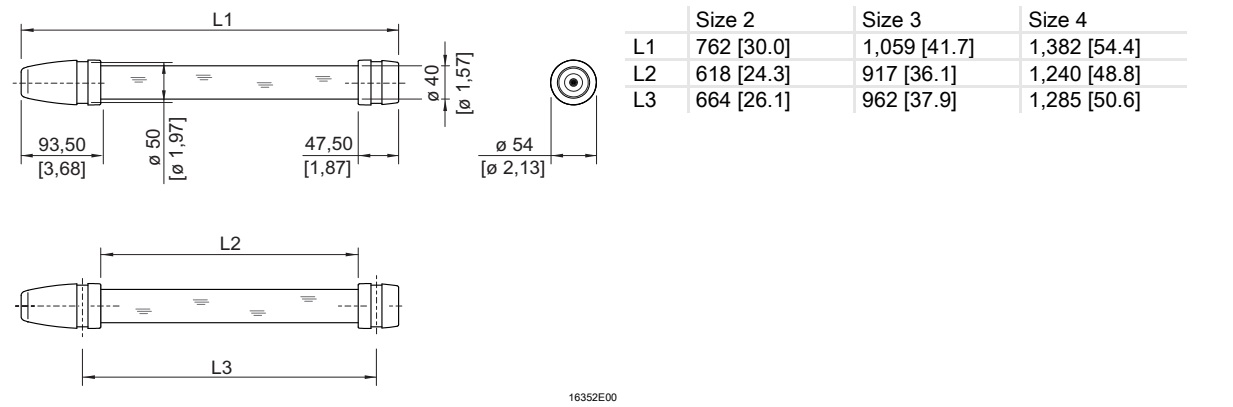
Designation	Figure	Description	Art. no.	Weight kg
Plug		8570/12-304 3 pins, 100 ... 130 V, 50 / 60 Hz, 16 A	150599	0.420
		8570/12-306 3 pins, 200 ... 250 V, 50 / 60 Hz, 16 A	150579	0.420
Mounting bracket		Double mounting bracket made of plastic for mounting of pipes with a diameter of 45 ... 55 mm (Screws and nuts made of stainless steel V2A) (2 pieces)	254932	0.800
		Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256	0.190
		Mounting bracket made of stainless steel V4A (1,4301 / S316) to screw onto thread M8 or M10 (2 pieces)	227257	0.180

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



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.

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