



## Pendant Light Fittings Series 6051



- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 and Zone 2
- Can be supplied for use with the following lamps:
  - Incandescent lamps up to 200 W
  - Blended lamps up to 160 W
  - Energy-saving lamps up to 23 W
  - Halogen lamps up to 150 W
  - High-pressure mercury vapour lamps up to 125 W
  - High-pressure sodium vapour lamps up to 70 W
- Light metal enclosure with wire guard of zinc-coated steel wire
- Pressed glass cover resistant to temperature changes

If required ballast and compensation units are accommodated in a special enclosure fixed to the light fitting.

STAHL

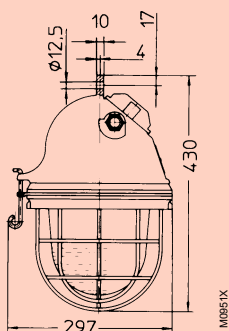
# Zone 1 and Zone 2

**Selection table**

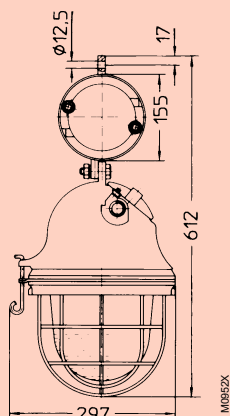
Version	Description	Ordering code	Weight [kg]		
 <p><b>6051</b> Pendant light fitting with ballast</p>	Lamps/Temperature classes				
	for Incandescent lamps	up to 75 W T6 up to 100 W T5 up to 200 W T4	<b>6051/1 - 00</b>	9 kg	
	for Blended lamps	up to 160 W T4			
	for Energy-saving lamps	up to 23 W T6			
for Halogen lamps	up to 100 W T5 up to 150 W T4				
 <p><b>6051</b> Pendant light fitting with ballast 6198</p>	Pendant light fitting with ballast	for HM-Lamp up to 80 W T5 up to 70 W T6	<b>6051/1 - 10</b> <b>6051/1 - 30</b>	14 kg	
		for HM-Lamp	up to 125 W T4		<b>6051/1 - 20</b>
	Pendant light fitting with ballast and compensation units	for HM-Lamp up to 80 W T5 for HS-Lamp up to 70 W T6 for HM-Lamp up to 125 W T4	<b>6051/1 - 11</b> <b>6051/1 - 31</b> <b>6051/1 - 21</b>		14,5 kg

**Note:** The light fittings are supplied without lamps and mounting material, see accessories.

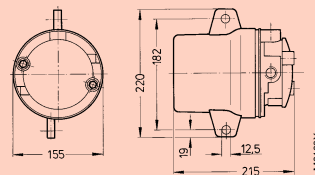
**Dimensions (in mm)**



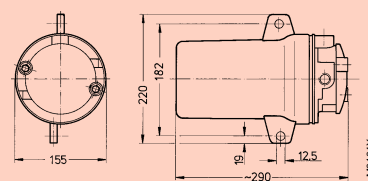
Pendant light fitting, 6051/1-00



Pendant light fitting, 6051/1 with ballast with/without compensation



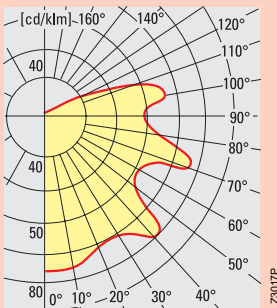
Ballast, 6198/12 with compensation



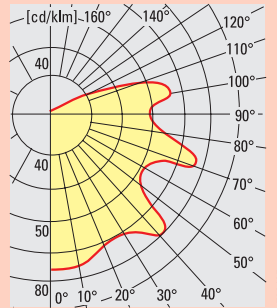
Ballast, 6198/11

Technical data				
Explosion protection	EEx de IIC T*			
with Incandescent lamps (to IEC 64)	* Temperature class	up to 75 W: T6		
		up to 100 W: T5		
		up to 200 W: T4		
with Blended lamps		up to 160 W: T4		
with HM-lamps (to IEC 188)		up to 80 W: T5		
with HS-lamps (to IEC 662)		up to 125 W: T4		
with Energy-saving lamps		up to 70 W: T6		
with Halogen lamps (to IEC 357)		up to 23 W: T6		
		up to 100 W: T5		
		up to 150 W: T4		
Test certificate	PTB No. Ex-94.C.2088X other certificates: BKI (Hungary), FTZU (Czech Republic), SEV (Switzerland), SZS (Yugoslavia), VNIIEF (Russia)			
Material	Light cast alloy			
Enclosure	Steel wire, galvanized			
Wire guard	Pressed glass, resistant to temperature changes			
Glass				
Lamps	Lampholder E 27			
Incandescent lamp	up to 200 W			
Blended lamp	160 W			
HM-lamp	80 W, 125 W			
HS-lamp	70 W			
Energy-saving lamps	up to 23 W			
Halogen lamps	up to 150 W			
Rated voltage	max. 230 V, 48 Hz ... 62 Hz			
Rated/starting current	Blended 160 W	HM 80 W	125 W	HS 70 W
	0,75/0,9 A	0,8/1,2 A	1,15/1,8 A	0,96/1,2 A
Power factor cos φ				
uncompensated	0,94	0,5	0,54	0,36
compensated	-	0,95	0,95	0,95
Efficiency of fitting	64%	70%	70%	70%
Luminous flux	3000 lm	3800 lm	6300 lm	3150 lm
Degree of protection	IP 55			
Ambient temperature	- 30 °C ... + 40 °C for Incandescent lamps - 20 °C ... + 40 °C for Blended, HM- and HS-Lamps			
Cover lock	M6 external hexagon head screw			
Connection	Terminal L1 + N for 2 x 2,5 mm <sup>2</sup> flexible/solid PE: for 2 x 6/10 mm <sup>2</sup> flexible/solid			
Cable entries	1 x M25 x 1,5 cable gland 1 x M25 x 1,5 plug			
<b>Ballast Compensation</b>	<b>for Pendant light fittings 6051 in enclosure 6198</b>			
(for fittings with HM- and HS-lamps)	Enclosure 6198/11 with integral ballast	Enclosure 6198/12 with integral ballast and compensation		
Explosion protection	EEx de IIC T6			
Test certificate	PTB No. Ex-86/1028			
Enclosure material	Light cast alloy			
Cover lock	M6 hexagon head screw			
Degree of protection	IP 55			
Electrical data	see pendant light fittings 6051			
Connections	Terminal L1 + N: for 2 x 2,5/4 mm <sup>2</sup> flexible/solid PE: for 2 x 6/10 mm <sup>2</sup> flexible/solid			
Cable entries	2 x M25 x 1,5 cable gland 1 x M25 x 1,5 plug			

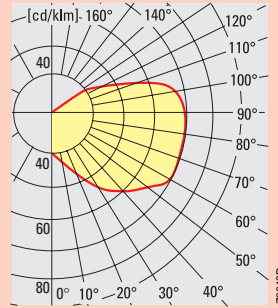
Luminous intensity distribution



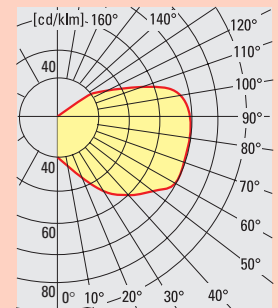
Pendant light fittings,  
6051/1-00 with  
incandescent lamps 200 W



Pendant light fittings,  
6051/1-00 with  
blended lamp 160 W
















Pendant light fittings,  
6051/1-20/21 with high-pressure  
mercury vapour lamp 125 W



Pendant light fittings,  
6051/1-10/11 with high-pressure  
sodium vapour lamp 70 W

Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight [kg]
Incandescent lamps		E 27 75 W	<b>461 631 0</b>	0,032
		100 W	<b>461 620 0</b>	0,032
		200 W	<b>512 617 0</b>	0,052
Blended lamp		E 27 160 W	<b>461 666 0</b>	0,090
High-pressure mercury vapour lamp		E 27 80 W HME 80	<b>512 607 0</b>	0,055
		125 W HME 125	<b>512 608 0</b>	0,090
High-pressure sodium vapour lamp		E 27 70 W HSE 70 with integrated starter	<b>461 672 0</b>	0,063
Energy-saving lamp		without reflector E 27 7 W	<b>461 607 0</b>	0,091
		9 W	<b>461 608 0</b>	0,100
		11 W	<b>461 609 0</b>	0,100
		15 W	<b>461 611 0</b>	0,127
		20 W	<b>461 613 0</b>	0,140
		23 W	<b>461 615 0</b>	0,150
		with reflector E 27 11 W	<b>461 610 0</b>	0,185
Halogen lamp		E 27 75 W	<b>461 636 0</b>	0,100
		100 W	<b>461 637 0</b>	0,120
		150 W	<b>461 638 0</b>	0,140
Ballast		Type 6198/11 - 08 for 80 W HM	<b>61 980 02 01 0</b>	5
		Type 6198/11 - 07 for 70 W HS	<b>61 980 01 01 0</b>	5
		Type 6198/11 - 12 for 125 W HM	<b>61 980 03 01 0</b>	5
Ballast with compensation		Type 6198/12 - 98 for 80 W HM	<b>61 980 07 01 0</b>	5,5
		Type 6198/12 - 97 for 70 W HS	<b>61 980 06 01 0</b>	5,5
		Type 6198/12 - 99 for 125 W HM	<b>61 980 08 01 0</b>	5,5
Wire guard		Steel, galvanized	<b>83 819 01 62 0</b>	0,56
Replacement glass with screw ring		Pressed glass, resistant to temperature changes	<b>83 810 01 21 0</b>	4,89
Gasket ring (for 6051)		for replacement glass	<b>83 819 01 95 0</b>	0,01
		for terminal box	<b>461 770 0</b>	0,009
Gasket (for 6198)		for replacement glass	<b>461 602 0</b>	0,011
		for terminal box	<b>461 602 0</b>	0,011