



## Pendant Light Fittings Series 6052


- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 and Zone 2
- Can be supplied for use with the following lamps:
  - Blended lamps up to 500 W
  - High-pressure mercury vapour lamps up to 400 W
  - High-pressure sodium vapour lamps up to 350 W
- Light metal enclosure with wire guard of zinc-coated steel wire
- Cover glass of borosilicate glass

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When the cover glass is opened to change the lamp the mains connection to the lamp socket is broken. The compensation unit is accommodated in special enclosure mounted on the light fitting.

# Zone 1 and Zone 2

**Selection table**

Version	Description	Ordering code	Weight	
	Lamps/Temperature class		[kg]	
 <p><b>6052</b> Pendant light fitting with compensation unit enclosure attached</p>	Pendant light fitting for blended lamp	up to 250 W T4 up to 500 W T3	21,3 21,3	
	Pendant light fitting with ballast	for HM-lamp for HS-lamp	250 W T4 210 W T4	25,33
		for HM-lamp for HS-lamp	400 W T4 350 W T4	27,4
	Pendant light fitting with ballast and compensation	for HM-lamp for HS-lamp	250 W T4 210 W T4	30,0
		for HM-lamp for HS-lamp	400 W T4 350 W T4	30,0

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

**Technical data**

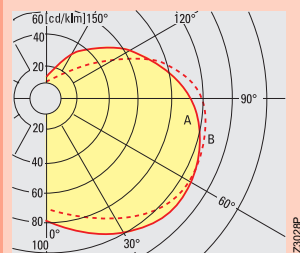
Explosion protection with Blended lamps	EEx de IIC T*					
	* Temperature class					
	up to 250 W	T4	up to 500 W	T3		
with HM-lamp	up to 400 W	T4				
with HS-lamp	up to 350 W	T4				
Test certificate	L.C.I.E. 96.D.6092 other certificates: BKI (Hungary), FTZU (Czech Republic), VNIEEF (Russia)					
Material	Light cast alloy					
Enclosure	Steel wire, galvanized					
Wire guard	Borosilicate glass					
Glass						
Lamps	Lampholder E 40					
Blended lamps	250 W, 500 W					
HM-lamp	250 W, 400 W					
	a) Elliptical version (HME)					
	b) Reflector pattern version (HMR)					
HS-lamp	220 W, 350 W					
Rated voltage	230 V, 50 Hz					
Rated current	Blended lamp		HM		HS	
	250 W	500 W	250 W	400 W	210 W	350 W
	1,23 A	2,4 A	2,15 A	3,25 A	2,15 A	3,25 A
Power factor cos φ	0,94		0,55		0,55	
uncompensated	-		0,95		0,95	
compensated	-		55%		70%	
Efficiency of fitting	-		79%		-	
with Reflex coating	-		74%		-	
Luminous flux	5600 lm	14000 lm	13500 lm	22000 lm	18000 lm	34500 lm
Degree of protection	IP 55					
Ambient temperature	- 20 °C ... + 40 °C					
Cover lock	M6 hexagon head screw					
Connection	Terminals L1 + N + PE for 2 x 6/10 mm <sup>2</sup> flexible/solid					
Cable entry	1 x M25 x 1,5 cable gland 1 x M25 x 1,5 plug					



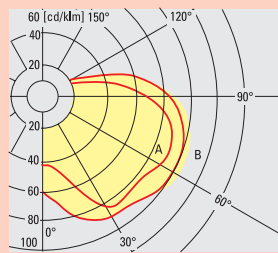
### Technical data (Continuation)

<b>Compensation</b> (for light fittings with HM- and HS-lamp)	<b>for Pendant light fittings 6052 in housing 6198</b> As there is insufficient space in the main housing compensation to accommodate ballast and compensation units, the unit is therefore fitted into an additional enclosure, type 6198, mounted on top of the light fitting.
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
Connection	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

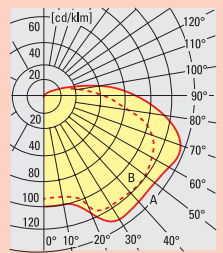
### Luminous intensity distribution



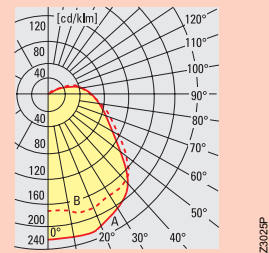
Pendant light fittings 6052/1-30 with blended lamp  
A = 250 W, B = 500 W



Pendant light fittings 6052 with high-pressure sodium vapour lamp  
A = 210 W, B = 350 W



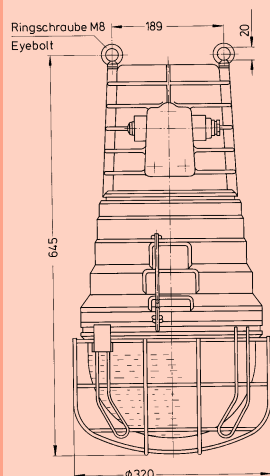
Pendant light fittings 6052 with high-pressure mercury vapour lamp  
A = 250 W, B = 400 W



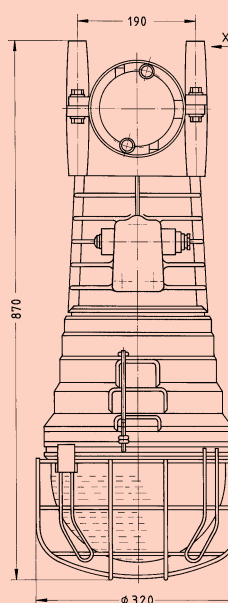
Pendant light fittings 6052 with high-pressure, reflector pattern mercury vapour lamp  
A = 250 W, B = 400 W



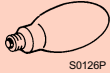
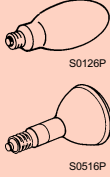
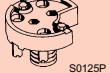
### Dimensions (in mm)



Pendant light fitting 6052/1 with/without ballast



Pendant light fitting 6052/1 with ballast and compensation

Accessories and spare parts						
Designation	Illustration	Description		Ordering code	Weight [kg]	
Blended lamp		E 40	250 W	<b>461 110 0</b>	0,170	
			500 W	<b>461 111 0</b>	0,260	
High-pressure mercury vapour lamp		E 40	Elliptical version	250 W HME 250 400 W HME 400	<b>512 609 0</b> <b>512 610 0</b>	0,190 0,260
			Reflector pattern version	250 W HMR 250 400 W HMR 400	<b>512 604 0</b> <b>512 605 0</b>	0,260 0,320
High-pressure sodium vapour lamp		E 40	with integral starter version	220 W HSE 220 350 W HSE 350	<b>461 674 0</b> <b>461 673 0</b>	0,175 0,230
			Ring bolts		1 Pair	<b>461 686 0</b>
Compensation unit			Type 6198/11-25 for 250 W HM 210 W HS	<b>61 980 04 01 0</b>	4,06	
			Type 6198/11-40 for 400 W HM 350 W HS	<b>61 980 05 01 0</b>	4,09	
Rotatable mounting frame			This provides a range of rotation up to 120 °C from the vertical axis			
			a) light industrial version b) heavy vibration-proof version	<b>461 775 0</b> <b>461 776 0</b>	6,275 11,0	
Wire guard		Steel, galvanized		<b>461 774 0</b>	1,0	
Replacement glass with screw ring		Borosilicate glass		<b>83 820 01 21 0</b>	11,0	
Lampholder		Size E 40		<b>461 662 0</b>	0,490	
Release device		This is fixed to the glass retention ring. The threaded rings are loosened using lever and counter-lever.		<b>461 773 0</b>	2,56	
Gasket (for 6052)			for replacement glass	<b>461 769 0</b>	0,070	
			for terminal box	<b>461 603 0</b>	0,011	
Gasket (for 6198)			for Ex d-enclosure	<b>461 602 0</b>	0,011	
			for terminal box	<b>561 602 0</b>		