



01912E00

Tank Inspection Lights Series 6122

- For use in Zones 1, 2, 21 and 22
- For halogen lamps 5 W to 100 W
- Mounting options
 - Tilting hinge
 - Mounting bracket
 - Flange collar
- Corrosion-resistant light metal enclosure
- Glass cover
 - Temperature resistant borosilicate glass or
 - Anti-dazzle opal glass
- Connection options
 - Potted connection lead
 - Connection chamber

Series 6122 tank inspection lights are suitable for the illumination of storage tanks, stirring tanks, distillation columns, pipeline flow indicators etc.

Zones 1 & 2; 21 & 22



Selection table							
Version	Power	Lamp-holder	Temperature class at $T_a = 40\text{ °C}$	$T_{O\text{ max.}}$ at $T_a = 40\text{ °C}$	Rated voltage	Ordering code	Weight kg
Size 1 with flexible lead	5 W	G 4	T6	80 °C	12 V AC / DC ¹⁾	6122/2-02-005-012	1,750
					24 V AC	6122/2-02-005-024	2,250
					42 V AC	6122/2-02-005-042	2,250
					115 V AC	6122/2-02-005-115	2,250
					230 V AC	6122/2-02-005-230	2,250
					240 V AC	6122/2-02-005-240	2,250
	10 W	G 4	T4	130 °C	12 V AC / DC ¹⁾	6122/2-02-010-012	1,750
					24 V AC	6122/2-02-010-024	2,250
					42 V AC	6122/2-02-010-042	2,250
					115 V AC	6122/2-02-010-115	2,250
					230 V AC	6122/2-02-010-230	2,250
					240 V AC	6122/2-02-010-240	2,250
	20 W	G 4	T4	130 °C	12 V AC / DC ¹⁾	6122/2-02-020-012	1,750
					24 V AC	6122/2-02-020-024	1,780
					42 V AC	6122/2-02-020-042	2,250
					115 V AC	6122/2-02-020-115	2,250
					230 V AC	6122/2-02-020-230	2,250
					240 V AC	6122/2-02-020-240	2,250
Size 1 with connection chamber	5 W	G 4	T4	130 °C	12 V AC / DC ¹⁾	6122/2-12-005-012	1,650
					24 V AC	6122/2-12-005-024	2,150
					42 V AC	6122/2-12-005-042	2,150
					115 V AC	6122/2-12-005-115	2,150
					230 V AC	6122/2-12-005-230	2,150
					240 V AC	6122/2-12-005-240	2,150
	10 W	G 4	T4	130 °C	12 V AC / DC ¹⁾	6122/2-12-010-012	1,650
					24 V AC	6122/2-12-010-024	2,150
					42 V AC	6122/2-12-010-042	2,150
					115 V AC	6122/2-12-010-115	2,150
					230 V AC	6122/2-12-010-230	2,150
					240 V AC	6122/2-12-010-240	2,150
	20 W	G 4	T4	130 °C	12 V AC / DC ¹⁾	6122/2-12-020-012	1,650
					24 V AC	6122/2-12-020-024	1,640
					42 V AC	6122/2-12-020-042	2,150
					115 V AC	6122/2-12-020-115	2,150
					230 V AC	6122/2-12-020-230	2,160
					240 V AC	6122/2-12-020-240	2,150
50 W	G 6.35	T3	195 °C	12 V AC / DC ¹⁾	6122/2-12-050-012	1,650	
				24 V AC / DC ¹⁾	6122/2-12-050-024	1,800	

Selection table							
Version	Power	Lamp-holder	Temperature class at T _a = 40 °C	T _{O max.} at T _a = 40 °C	Rated voltage	Ordering code	Weight kg
Size 2 with connection chamber	20 W	G 4	T6	80 °C	12 V AC / DC ¹⁾	6122/4-12-020-012	2,650
					24 V AC / DC ¹⁾	6122/4-12-020-024	2,650
					24 V AC	6122/4-12-020-024/T	3,600
					42 V AC	6122/4-12-020-042	3,600
					115 V AC	6122/4-12-020-115	3,600
					240 V AC	6122/4-12-020-240	3,600
					230 V AC	6122/4-12-020-230	3,600
	50 W	G 6.35	T3	130 °C	12 V AC / DC ¹⁾	6122/4-12-050-012	2,650
					24 V AC / DC ¹⁾	6122/4-12-050-024	2,650
					24 V AC	6122/4-12-050-024/T	3,600
					36 V AC	6122/4-12-050-036	3,600
					42 V AC	6122/4-12-050-042	3,620
					115 V AC	6122/4-12-050-115	3,600
					230 V AC	6122/4-12-050-230	3,620
Size 3 with connection chamber	100 W	G 6.35	T4	130 °C	12 V AC / DC ¹⁾	6122/6-12-100-012	6,700
					24 V AC / DC ¹⁾	6122/6-12-100-024	6,700

Add. to ordering code

Text to order:

- Reflector-halogen lamp unit wide beam „flood“, (standard: concentrated beam „spot“)
- Housing painted with 2-component epoxy paint
- Opal glass cover

Note

Tank inspection lights are supplied without lamps and mounting material.
These parts must be ordered separately.

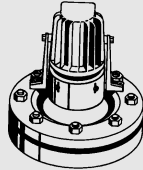
¹⁾ without transformer - direct connection

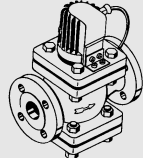
Technical Data


Explosion protection	
Gas explosion protection	Ⓜ II 2G EEx d IIC T ¹⁾ (6122/2-02) Ⓜ II 2G EEx de IIC T ¹⁾ (6122/2-12 / 6122/4-12 / 6122/6-12) ¹⁾ Temperature class see selection table
Dust explosion protection	Ⓜ II 2D IP65 T ₀ ¹⁾ ¹⁾ max. surface temperature see selection table
Certificates	
Gas explosion protection	LCIE 02 ATEX 6172 (6122/2) LCIE 02 ATEX 6174 (6122/4) LCIE 03 ATEX 6328 (6122/6)
Dust explosion protection	LCIE 02 ATEX 6172 (6122/2) LCIE 02 ATEX 6174 (6122/4) LCIE 03 ATEX 6328 (6122/6)
Marking	CE 0102
Material	
Housing	Corrosion-resistant cast aluminium alloy
Glas	Standard: Borosilicate glass, resistant to temperature changes up to 300 ° C Special: Opal glass to reduce glare when mounted on flow indicator
Reflektor	6122/2 20 W (size 1) Halogen reflector lamp 6122/2 /4 /6 5 W; 10 W; 20 W; 50 W; 100 W Highly polished parabolic reflector

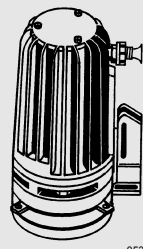







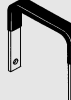



Technical Data	
Rated Voltage	12 V resp. 12 V or 24 V AC / DC Supply voltage without transformer
	24 V, 42 V, 115 V, 230 V, 240 V AC, 50 Hz Supply voltage with transformer; secondary voltage 12 V
Safety class	I (with internal and external PE/PA-connection)
Radiation angle (Halogen lamp)	10 ° „spot“-Version (Standard version) 20 ° „flood“-Version
Degree of protection	IP 65
Ambient temperature	- 20 °C ... + 40 °C (+ 60 °C on request)
Operating conditions	No restrictions on operating temperature of vessel contents
Terminals	with connection chamber: for max. 2.5 mm ²
Cable entry	
with flexible lead	Temperature-resistant cable 3 x 0,75 mm ² , 5 m long
with connection chamber	1 x M 20 x 1,5 bell-mouthed gland

Mounting options for size 1 an 2 6122/2 and 6122/4	Mounting on sight glasses	
	to	DIN 28120 or similar: NW 25-NW 150: with tilting hinge (from NW 125 anti-dazzle shield must be included in order) NW 80-NW 200: with mounting bracket
		
		04983e00 Tilting hinge and anti-dazzle shield

Mounting options for size 1 an 2 6122/2 and 6122/4	Mounting on flow indicators with bracket or customer specified fixing	
		
		04984e00 Mounting bracket

Mounting options for size 1 an 2 6122/2 and 6122/4	Mounting on screwed sight glasses	
	to	DIN 11 851 (Milkpipe screw fixing gland) NW 65-NW 100: by means of intermediate flange collar material 1.4301 from NW 125: Mounting bracket on grooved collar nut
		
		05366e00 Intermediate flange collar

Mounting options for size 3 6122/6	Mounting on sight glasses	
	to	DIN 28 120 or similar: NW 100-NW 200: with tilting hinge NW 100-NW 200: with foot ring
		
		05367e00 Tilting hinge

Accessories and spare parts						
Designation	Illustration	Description	Ordering code	Weight kg		
Tilting hinge	 04988E00	for size 1	4616580	0,160		
		for size 2	4617920	0,188		
	 05463E00	for size 2	4617930	0,152		
		for size 2 / 3	4616570	0,113		
	Mounting bracket	 04989E00	for size 1	50 W	4615980	0,040
			Intermediate flange collar	for size 1	DN 65 DN 80 / 100	4616060
Foot ring	 04991E00	for size 3				
		Sight glasses	NW DN			
		to DIN 28 120	100	4616770	0,600	
		to DIN 28 120	150 / 200	4616750	0,200	
Anti-dazzle shield	 04992E00	for dazzle-free illumination, only up to 50 W and with „tilting hinge“ fixing				
		for size 1		4615990	0,065	
		for size 2		4616000	0,100	
Transport handle	 04993E00	may be used as handlamp				
		for size 1		4617890	0,100	
		for size 2		4617910	0,100	
		for size 3		4617900	0,200	
Incandescent lamps	 04912E00	E 14	10 W, 24 V	4616330	0,014	
		E 14	6 - 10 W, 220 V / 260 V	4616320	0,010	
		E 14	15 W, 230 V	4616340	0,010	
		E 14	25 W, 230 V	4616350	0,020	
Halogen lamps	 05003E00	without reflector				
		G4	5 W / 12 V	4616460	0,002	
		G4	10 W / 12 V	4616470	0,002	
		GY 6.35	50 W / 12 V	4616440	0,002	
		GY 6.35	50 W / 24V	4616430	0,008	
		GY 6.35	100 W / 24 V	4616450	0,009	
	 04994E00	with reflector				
		G4	20 W / 12 V	4616480	0,008	
		G4	20 W / 24 V	4616490	0,010	
		BA 15d	50 W / 12 V	4616420	0,024	

