

Tank Inspection Lights Series 6122



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582

STAHL



- > For halogen lamps 5 W to 100 W
- > Mounting options
 - tilting hinge
 - mounting bracket
 - flange collar
- > Corrosion-resistant light metal enclosure
- > Connection options
 - potted connection lead
 - connection chamber

E2



10033E00

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

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

WebCode 6122A



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582



Tank Inspection Lights

Series 6122

Selection Table

Version	Lamp wattage	Lamp holder	Temperature class at Ta = 40 °C	T _{S max} at Ta = 40 °C	Rated voltage	Order number	Weight kg
Size 1 with flexible lead	5 W	G4	T6	80 °C	12 V AC / DC *	6122/2-02-005-012-0	1.750
					24 V AC	6122/2-02-005-024-0	2.250
					36 V AC	6122/2-02-005-036-0	2.250
					42 V AC	6122/2-02-005-042-0	2.250
					115 V AC	6122/2-02-005-115-0	2.250
					230 V AC	6122/2-02-005-230-0	2.250
					240 V AC	6122/2-02-005-240-0	2.250
	10 W	G4	T4	130 °C	12 V AC / DC *	6122/2-02-010-012-0	1.750
					24 V AC	6122/2-02-010-024-0	2.250
					36 V AC	6122/2-02-010-036-0	2.250
					42 V AC	6122/2-02-010-042-0	2.250
					115 V AC	6122/2-02-010-115-0	2.250
					230 V AC	6122/2-02-010-230-0	2.250
					240 V AC	6122/2-02-010-240-0	2.250
	20 W	G4	T4	130 °C	12 V AC / DC *	6122/2-02-020-012-0	1.750
					24 V AC / DC *	6122/2-02-020-024-0	1.780
					36 V AC	6122/2-02-020-036-0	2.250
					42 V AC	6122/2-02-020-042-0	2.250
					115 V AC	6122/2-02-020-115-0	2.250
					230 V AC	6122/2-02-020-230-0	2.250
					240 V AC	6122/2-02-020-240-0	2.250
Size 1 with connection chamber	5 W	G4	T6	80 °C	12 V AC / DC *	6122/2-12-005-012-0	1.650
					24 V AC	6122/2-12-005-024-0	2.150
					36 V AC	6122/2-12-005-036-0	2.150
					42 V AC	6122/2-12-005-042-0	2.150
					115 V AC	6122/2-12-005-115-0	2.150
					230 V AC	6122/2-12-005-230-0	2.150
					240 V AC	6122/2-12-005-240-0	2.150
	10 W	G4	T4	130 °C	12 V AC / DC *	6122/2-12-010-012-0	1.650
					24 V AC	6122/2-12-010-024-0	2.150
					36 V AC	6122/2-12-010-036-0	2.150
					42 V AC	6122/2-12-010-042-0	2.150
					115 V AC	6122/2-12-010-115-0	2.150
					230 V AC	6122/2-12-010-230-0	2.150
					240 V AC	6122/2-12-010-240-0	2.150

Order Number Supplement

	State with order: (extra charge) • Housing painted with 2-component epoxy paint • Opal glass cover
Note	Tank inspection lights are supplied with lamps and without mounting material. These parts must be ordered separately. * without transformer - direct connection

Tank Inspection Lights Series 6122



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582



Selection Table

Version	Lamp wattage	Lamp holder	Temperature class at Ta = 40 °C	T _{S max} at Ta = 40 °C	Rated voltage	Order number	Weight kg
Size 1 with connection chamber	20 W	G4	T4	130 °C	12 V AC / DC *	6122/2-12-020-012-0	1.650
					24 V AC / DC *	6122/2-12-020-024-0	1.640
					36 V AC	6122/2-12-020-036-0	2.150
					42 V AC	6122/2-12-020-042-0	2.150
					115 V AC	6122/2-12-020-115-0	2.150
					230 V AC	6122/2-12-020-230-0	2.160
					240 V AC	6122/2-12-020-240-0	2.150
Size 2 with connection chamber	20 W	G4	T6	80 °C	12 V AC / DC *	6122/4-12-020-012-0	2.650
					24 V AC / DC *	6122/4-12-020-024-0	2.650
					36 V AC	6122/4-12-020-036-0	3.600
					42 V AC	6122/4-12-020-042-0	3.600
					115 V AC	6122/4-12-020-115-0	3.600
					230 V AC	6122/4-12-020-230-0	3.600
					240 V AC	6122/4-12-020-240-0	3.600
	50 W	G6.35	T4	130 °C	12 V AC / DC *	6122/4-12-050-012-0	2.650
					24 V AC / DC *	6122/4-12-050-024-0	2.650
					36 V AC	6122/4-12-050-036-0	3.600
					42 V AC	6122/4-12-050-042-0	3.620
					115 V AC	6122/4-12-050-115-0	3.600
					230 V AC	6122/4-12-050-230-0	3.620
					240 V AC	6122/4-12-050-240-0	3.900
Size 3 with connection chamber	100 W	G6.35	T4	130 °C	12 V AC / DC *	6122/6-12-100-012-0	6.700
					24 V AC / DC *	6122/6-12-100-024-0	6.700

Order Number Supplement

State with order: • Housing painted with 2-component epoxy paint
(extra charge) • Opal glass cover

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

* without transformer - direct connection



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582

Tank Inspection Lights

Series 6122



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
 TEL 0044 191 490 1547 FAX 0044 477 5371
 TEL 0044 117 977 4647 FAX 0044 977 5582

Explosion Protection

Europe (ATEX)	
Gas and dust	LCIE 02 ATEX 6172 (6122/2) LCIE 02 ATEX 6174 (6122/4) LCIE 03 ATEX 6328 (6122/6) ⚡ II 2 G Ex d IIC T ⁺) (6122/2-02) ⚡ II 2 G Ex de IIC T ⁺) (6122/2-12 / 6122/4-12 / 6122/6-12) ⚡ II 2 D Ex tD A21 IP65 T ₀ *) * temperature classes and surface temperatures see selection table
Certificates and approvals	
Certificates	ATEX, Serbia (IZP), Belarus (GOST-B)

Technical data

Electrical data	
Rated voltage	12 V resp. 12 V or 24 V AC / DC Supply voltage without transformer 24, 42, 115, 230, 240 V AC, 50 Hz Supply voltage with transformer; secondary voltage 12 V
Luminous Characteristics	
Radiation angle (Halogen lamp)	10° „spot“-Version (Standard version) 20° „flood“-Version
Ambient conditions	
Ambient temperature	- 20 ... + 40 °C (+ 60 °C on request)
Operating conditions	No restrictions on operating temperature of vessel contents
Mechanical data	
Degree of protection	IP65
Protection class	I (with internal and external PE/PA-connection)
Material	
Enclosure	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
Reflector	6122/2 20 W (size 1) Halogen reflector lamp 6122/2, 5, 10, 20, 50, 100 W Highly polished parabolic reflector 6122/4, 6122/6
Assembly / Installation	
Cable entry	
with flexible lead	Temperature-resistant cable 3 x 0,75 mm ² , 5 m long
with connection chamber	1 x M20 x 1,5 bell-mouthed gland
Terminals	with connection chamber: for max. 2.5 mm ²

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.



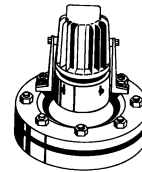
WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
 TEL 0044 191 490 1547 FAX 0044 477 5371
 TEL 0044 117 977 4647 FAX 0044 977 5582

Mounting Options

Mounting options for
size 1 and 2
6122/2 and 6122/4

Mounting on sight glasses

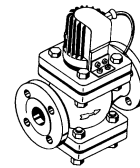
to DIN 28120 or similar: NW 25 ... NW 150:
with tilting hinge
(from NW 125 anti-dazzle shield must be included
in order)
NW 80 ... NW 200: with mounting bracket



04983e00

Tilting hinge and anti-dazzle shield

Mounting on flow indicators with bracket or customer specified
fixing



04984e00

Mounting bracket

Mounting on screwed sight glasses

to DIN 11851 (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



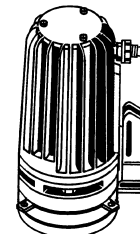
05366e00

Intermediate flange collar

Mounting options for size 3
6122/6

Mounting on sight glasses

to DIN 28120 or similar:
NW 100 ... NW 200: with tilting hinge
NW 100 ... NW 200: with foot ring



05367e00

Tilting hinge

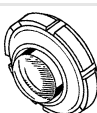
E2

Tank Inspection Lights Series 6122



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582

Accessories and Spare Parts

Designation	Illustration	Description	Order number	Weight kg
Tilting hinge	 04988E00	for size 1	108891	0.070
		for size 2	109009	0.250
	 05463E00	for size 2	109010	0.075
		for size 2 / 3	108890	0.113
	 04987E00			
Mounting bracket	 04989E00	for size 1 50 W	108831	0.020
Intermediate flange collar	 11227E00	for size 1 DN 65	108839	0.360
Foot ring	 04991E00	for size 3		
		Sight glasses NW DN		
		to DIN 28120 100	108910	0.600
		to DIN 28120 150 / 200	108908	0.200
		to DIN 28121 100 ... 200	108911	0.800
Anti-dazzle shield	 04992E00	for dazzle-free illumination, only up to 50 W and with „tilting hinge“ fixing		0.000
		for size 1	108832	0.065
		for size 2	108833	0.100
Transport handle	 04993E00	may be used as handlamp		
		for size 1	109006	0.100
		for size 2	109008	0.100
Halogen lamps	 05003E00	without reflector		
		G4 5 W / 12 V	108879	0.004
		G4 10 W / 12 V	108880	0.008
		GY6.35 50 W / 12 V	108877	0.005
		GY6.35 50 W / 24V	108876	0.005
		GY6.35 100 W / 24 V	108878	0.007
	 04994E00	with reflector		
		G4 20 W / 12 V	108881	0.015
		G4 20 W / 24 V	108882	0.015
		BA15d 50 W / 12 V	108875	0.035

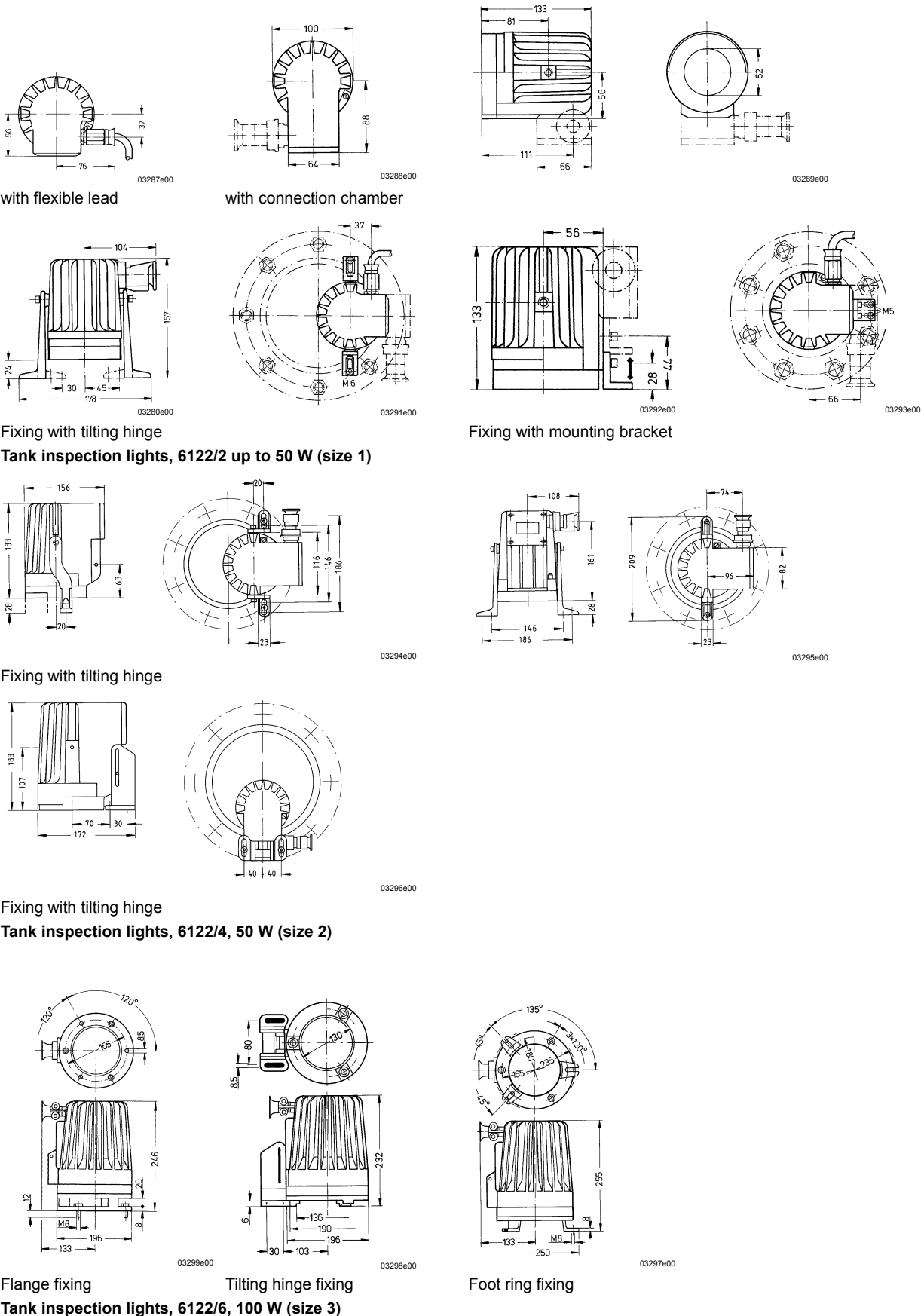
Tank Inspection Lights Series 6122



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582

STAHL

Dimensional Drawings (All Dimension in mm) - Subject to Alterations



E2