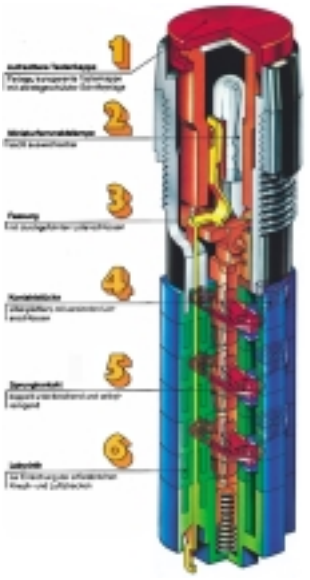

General data

LUMOTAST 75 IP40 pushbutton range
Illuminated pushbuttons, signal lamps and keylock switches
- Mounting hole diameter 16.2 mm
- Degree of protection IP40
- Solder terminals for the following wire cross-sections:
  - Installed 0.5 mm² max.
  - Factory terminated 0.35 mm² max.
- 250 V/4 A max.
- 3 NC + 3 NO max.
- Lamp socket T 4.5

Content

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LUMOTAST 75 keylock switch IP40, round collar	1 - 45
LUMOTAST 75 keylock switch IP40, rectangular collar	1 - 46
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LUMOTAST 75 IP40, signal lamp, square collar, flush lens	1 - 50
LUMOTAST 75 IP40 signal lamp, rectangular collar, flush lens	1 - 50
LUMOTAST 75 IP40 signal lamp, square collar, protruding lens	1 - 51

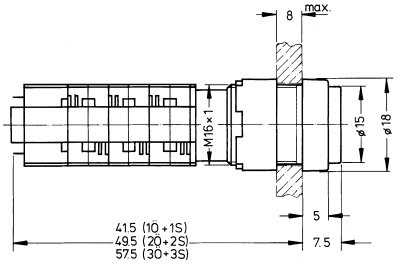
Stock items are marked by **bold printed** order numbers.

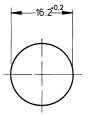
1

LUMO 75 (40)

LUMOTAST 75 illuminated pushbutton IP40

Pict.: colourless





Mounting hole

Technical data

General information

Form of lens	see order block
Form of collar	see order block
Colour of collar	see order block

Dimensions

Length of collar	see order block
Width of collar	see order block
Diameter of collar	see order block
Overall height	7.5 mm
Mounting depth	41,5/49,5/57,5 mm
Mounting hole	16.2 mm

Mechanical design

Mounting	ring nut
Terminals	solder terminals, tin-plated
Contact system	snap-action bridge contact
Contact function	see order block
Contact arrangement	see order block
Contact materials	Ag
Illuminability	yes
Lamp socket	T 4.5

Mechanical characteristics

Operating force max.	3 ... 6.5 N
Operating travel	2.7 mm
Switching travel NC	1.6 mm
Switching travel NO	0.9 mm
Robustness min.	100 N

Electrical characteristics

Rated voltage AC max.	250 V
Rated voltage DC max.	220 V
Rated voltage AC/DC min.	12 V
Rated current AC max.	4 A
Rated current DC max.	0.2 A
Rated current AC/DC min.	5 mA
Contact resistance acc. to life max.	200 mΩ
Protection class	II

Other specifications

Operating life, at 250 V/2 A (operations)	200000 (momentary)
Operating life, at 250 V/4 A (operations)	60000 (momentary), 10000 (latching)
Degree of protection from front side	IP40
Ambient temp. operating min.	-25 °C
Ambient temp. operating without lamp max.	+70 °C
Ambient temp. operating with lamp max.	+55 °C
Storage temperature min.	-40 °C
Storage temperature max.	+80 °C
Resistance to constant environment	according to IEC 600 68-2-3 and 2-30
Resistance at variable environment	according to IEC 600 68-2-14 and 2-33
Approvals	ENEC 25 T 55 (70), UL, CSA
Flame class acc. to UL 94	V 1
Hot wire ignition acc. to IEC 695-2-1	yes

Accessories LUMOTAST 75 illuminated pushbutton IP40

Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		**1.90.100.022/0000**	5 - 6
Filament lamp, T 4.5 base, 24 V		**1.90.100.023/0000**	5 - 6

Stock items are marked by **bold printed** order numbers.

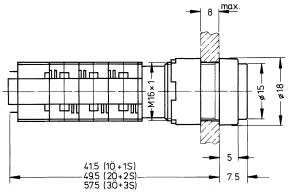
Accessories LUMOTAST 75 illuminated pushbutton IP40

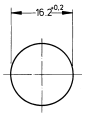
Description	Photo	Order no.	Page
LED T 4.5 superbright, red, 24 V		**1.90.690.331/0000**	5 - 20
LED T 4.5 superbright, green, 24 V		**1.90.690.332/0000**	5 - 20
LED T 4.5 superbright, yellow, 24 V		**1.90.690.333/0000**	5 - 20
LED T 4.5 superbright, blue, 24 V		**1.90.690.334/0000**	5 - 20
LED T 4.5 superbright, white, 24 V		**1.90.690.335/0000**	5 - 20
LED T 4.5, red, 3 V		**1.90.692.001/0000**	5 - 19
LED T 4.5, green, 3 V		**1.90.692.002/0000**	5 - 19
LED T 4.5, yellow, 3 V		**1.90.692.003/0000**	5 - 19
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		**1.90.900.002/0000**	5 - 24
Lamp extractor for lamp diameter 5-6 mm		**1.90.900.004/0000**	5 - 24
Protective cap (for 18 x 24 collar)		5.05.800.027/0000	5 - 30
Blanking cap, black, to cover spare holes, dimensions 18 x 18 mm		5.52.006.020/0103	5 - 33
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33
Fixing spanner M 15, M 16		**5.58.002.019/0105**	5 - 25

Stock items are marked by **bold printed** order numbers.

LUMOTAST 75 illuminated pushbutton IP40, protruding lens, round collar

Pict.: colourless





Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	**1.15.108.451/0000**	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	**1.15.108.551/0000**	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.452/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.552/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.453/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.553/0000	Please include the desired lens and diffuser in your order.

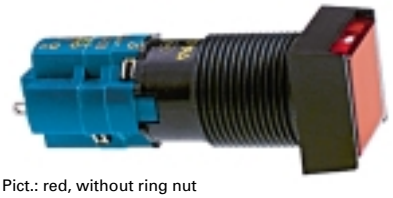
Technical data see page 1 - 38

Lens, round, transparent colourless, for filament lamp or LED: **5.49.257.011/1002**
Lens, round, transparent red, for LED: **5.49.257.011/1301**
Lens, round, transparent red, for filament lamp: **5.49.257.011/1303**
Lens, round, transparent yellow, for filament lamp or LED: **5.49.257.011/1402**
Lens, round, transparent green, for filament lamp: **5.49.257.011/1502**
Lens, round, transparent green, for LED: **5.49.257.011/1503**
Lens, round, transparent blue, for filament lamp: **5.49.257.011/1601**

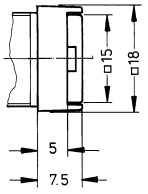
Accessories:
Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**
Diffuser, round, for LED, without legend: **5.72.050.000/0214**

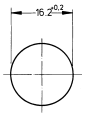
Stock items are marked by **bold printed** order numbers.

LUMOTAST 75 illuminated pushbutton IP40, flush lens, square collar



Pict.: red, without ring nut





Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	**1.15.108.251/0000**	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	**1.15.108.351/0000**	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.252/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.352/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.253/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.353/0000	Please include the desired lens and diffuser in your order.

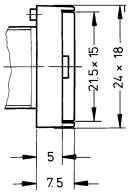
Technical data see page 1 - 38

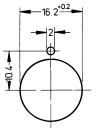
Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
Lens, square, transparent red, for LED: **5.49.275.036/1301**
Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
Lens, square, transparent green, for LED: **5.49.275.036/1503**
Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

Accessories:
Sealing cap IP65 (for 18 x 18 collar): 5.05.200.009/0000
Protective cap (for 18 x 18 collar): 5.05.800.030/0000
Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
Diffuser, square, for LED, without legend: **5.73.013.000/0214**

LUMOTAST 75 illuminated pushbutton IP40, flush lens, rectangular collar

Pict.: green





Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	**1.15.108.051/0000**	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	**1.15.108.151/0000**	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.052/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.152/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.053/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.153/0000	Please include the desired lens and diffuser in your order.

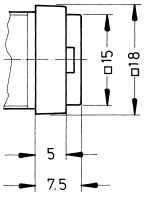
Technical data see page 1 - 38

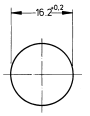
Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.275.032/1002**
Lens, rectangular, transparent red, for LED: **5.49.275.032/1301**
Lens, rectangular, transparent red, for filament lamp: **5.49.275.032/1303**
Lens, rectangular, transparent yellow, for filament lamp or LED: **5.49.275.032/1402**
Lens, rectangular, transparent green, for filament lamp: **5.49.275.032/1502**
Lens, rectangular, transparent green, for LED: **5.49.275.032/1503**
Lens, rectangular, transparent blue, for filament lamp: **5.49.275.032/1601**

Accessories:
Sealing cap IP65 (for 18 x 24 collar): 5.05.200.008/0000
Protective cap (for 18 x 24 collar): 5.05.800.027/0000
Diffuser, rectangular, for filament lamp, without legend: **5.73.012.000/0202**
Diffuser, rectangular, for LED, without legend: **5.73.012.000/0214**

LUMOTAST 75 illuminated pushbutton IP40, protruding lens, square collar

Pict.: colourless





Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.256/0000	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	1.15.108.356/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.257/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.357/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.258/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.358/0000	Please include the desired lens and diffuser in your order.

Technical data see page 1 - 38

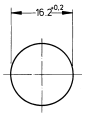
Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
Lens, square, transparent red, for LED: **5.49.275.036/1301**
Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
Lens, square, transparent green, for LED: **5.49.275.036/1503**
Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

Accessories:
Sealing cap IP65 (for 18 x 18 collar): 5.05.200.009/0000
Protective cap (for 18 x 18 collar): 5.05.800.030/0000
Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
Diffuser, square, for LED, without legend: **5.73.013.000/0214**

Stock items are marked by **bold printed** order numbers.

1

LUMOTAST 75 keylock switch IP40



Mounting hole

Technical data

LUMO 75 (40)

General information

Form of lens	see order block
Colour of collar	see order block
Form of collar	see order block

Dimensions

Length of collar	see order block
Diameter of collar	see order block
Width of collar	see order block
Overall height (without key)	7.5 mm
Mounting depth	see order block
Mounting hole	16.2 mm

Mechanical design

Mounting	ring nut
Terminals	solder terminals, tin-plated
Contact system	snap-action bridge contact
Contact function	see order block
Contact arrangement	see order block
Contact materials	Ag
Illuminability	no
Lock	cylinder lock
Wafers	4 pins
Lock type	1D 21
Number of locking positions	45
Main key	no
Symmetric key	no
Key removal position	see order block

Mechanical characteristics

Rotating angle	see order block

Electrical characteristics

Rated voltage AC max.	250 V
Rated voltage DC max.	220 V
Rated voltage AC/DC min.	12 V
Rated current AC max.	4 A
Rated current DC max.	0.02 A
Rated current AC/DC min.	5 mA
Contact resistance acc. to life max.	200 mΩ
Bouncing time max.	10 ms
ESD-strength min.	14 kV

Other specifications

Operating life, at 250 V/2 A (operations)	50000 (momentary)
Operating life, at 250 V/4 A (operations)	50000 (momentary)
Degree of protection from front side	IP40
Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+70 °C
Storage temperature min.	-40 °C
Storage temperature max.	+80 °C
Resistance to constant environment	according to IEC 600 68-2-3 and 2-30
Resistance at variable environment	according to IEC 600 68-2-14 and 2-33
Weight max.	35 g
Approvals	ENEC 25 T 55 (70), UL, CSA
Flame class acc. to UL 94	V 1
Hot wire ignition acc. to IEC 695-2-1	yes

Accessories LUMOTAST 75 keylock switch IP40

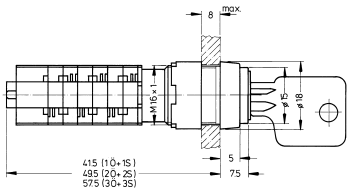
Description	Photo	Order no.	Page
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33

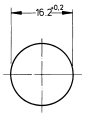
Stock items are marked by **bold printed** order numbers.

Accessories LUMOTAST 75 keylock switch IP40

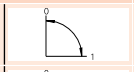
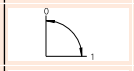
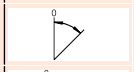
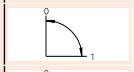
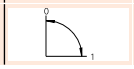
Description	Photo	Order no.	Page
Fixing spanner M 15, M 16		**5.58.002.019/0105**	5 - 25
Spare key for LUMO 75		5.58.002.030/0000	
Key cap for LUMO 75		5.58.004.721/0000	

LUMOTAST 75 keylock switch IP40, round collar





Mounting hole

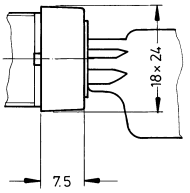
Contact arrangement	Contact function	Rotating angle		Key removal position	Colour of collar	Order no. complete
1 NC + 1 NO	latching	90°		0	black	**1.15.108.851/0000**
1 NC + 1 NO	latching	90°		0+1	black	1.15.108.911/0000
1 NC + 1 NO	momentary	45°		0	black	1.15.108.941/0000
2 NC + 2 NO	latching	90°		0	black	1.15.108.852/0000
2 NC + 2 NO	latching	90°		0+1	black	1.15.108.912/0000

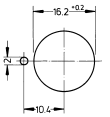
Technical data see page 1 - 44

Included: 2 keys.
Other lock variants and contacts available on request.

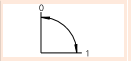
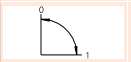
Stock items are marked by **bold printed** order numbers.

LUMOTAST 75 keylock switch IP40, rectangular collar





Panel cut-out

Contact arrangement	Contact function	Rotating angle		Key removal position	Colour of collar	Order no. complete
1 NC + 1 NO	latching	90°		0	black	**1.15.108.571/0100**
1 NC + 1 NO	latching	90°		0+1	black	**1.15.108.631/0100**
1 NC + 1 NO	momentary	45°		0	black	1.15.108.661/0100
2 NC + 2 NO	latching	90°		0	black	**1.15.108.572/0100**
2 NC + 2 NO	latching	90°		0+1	black	**1.15.108.632/0100**

Technical data see page 1 - 44

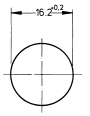
Included: 2 keys.
Other lock variants and contacts available on request.

1

LUMO 75 (40)

LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

Pict.: blue



Mounting hole

Technical data

General information

Form of lens	see order block
Form of collar	see order block
Colour of collar	see order block

Dimensions

Length of collar	see order block
Width of collar	see order block
Diameter of collar	see order block
Overall height	7.5 mm
Mounting depth	33.5 mm
Mounting hole	16.2 mm

Mechanical design

Mounting	ring nut
Terminals	solder terminals, tin-plated
Lamp socket	T 4.5
Lamp	filament lamp / LED

Electrical characteristics

Voltage limit max.	42 V
Power limit max.	1.2 W

Other specifications

Degree of protection from front side	IP40
Weight	5 g
Approvals	ENEC 25 T 55 (70), UL, CSA
Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+55 °C
Storage temperature min.	-40 °C
Storage temperature max.	+80 °C
Resistance to constant environment	according to IEC 600 68-2-3 and 2-30
Resistance at variable environment	according to IEC 600 68-2-14 and 2-33

Accessories LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		**1.90.100.022/0000**	5 - 6
Filament lamp, T 4.5 base, 24 V		**1.90.100.023/0000**	5 - 6
LED T 4.5 superbright, red, 24 V		**1.90.690.331/0000**	5 - 20
LED T 4.5 superbright, green, 24 V		**1.90.690.332/0000**	5 - 20
LED T 4.5 superbright, yellow, 24 V		**1.90.690.333/0000**	5 - 20
LED T 4.5 superbright, blue, 24 V		**1.90.690.334/0000**	5 - 20
LED T 4.5 superbright, white, 24 V		**1.90.690.335/0000**	5 - 20

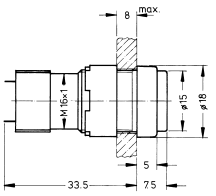
Stock items are marked by **bold printed** order numbers.

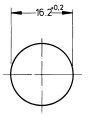
Accessories LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

Description	Photo	Order no.	Page
LED T 4.5, red, 3 V		**1.90.692.001/0000**	5 - 19
LED T 4.5, green, 3 V		**1.90.692.002/0000**	5 - 19
LED T 4.5, yellow, 3 V		**1.90.692.003/0000**	5 - 19
Blanking cap, black, to cover spare holes, dimensions 18 x 18 mm		5.52.006.020/0103	5 - 33
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33
Fixing spanner M 15, M 16		**5.58.002.019/0105**	5 - 25

LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5, round collar, protruding lens

Pict.: blue





Mounting hole

Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	**1.65.111.071/0000**	Please include the desired lens and diffuser in your order.

Technical data see page 1 - 48

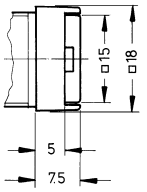
Lens, round, transparent colourless, for filament lamp or LED: **5.49.257.011/1002**
Lens, round, transparent red, for LED: **5.49.257.011/1301**
Lens, round, transparent red, for filament lamp: **5.49.257.011/1303**
Lens, round, transparent yellow, for filament lamp or LED: **5.49.257.011/1402**
Lens, round, transparent green, for filament lamp: **5.49.257.011/1502**
Lens, round, transparent green, for LED: **5.49.257.011/1503**
Lens, round, transparent blue, for filament lamp: **5.49.257.011/1601**

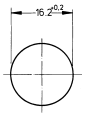
Accessories:
Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**
Diffuser, round, for LED, without legend: **5.72.050.000/0214**

Stock items are marked by **bold printed** order numbers.

LUMOTAST 75 IP40, signal lamp, square collar, flush lens

Pict.: yellow





Mounting hole

Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	**1.65.111.061/0000**	Please include the desired lens and diffuser in your order.

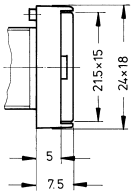
Technical data see page 1 - 48

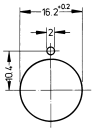
Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
Lens, square, transparent red, for LED: **5.49.275.036/1301**
Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
Lens, square, transparent green, for LED: **5.49.275.036/1503**
Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

Accessories:
Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
Diffuser, square, for LED, without legend: **5.73.013.000/0214**

LUMOTAST 75 IP40 signal lamp, rectangular collar, flush lens

Pict.: green





Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	**1.65.111.051/0000**	Please include the desired lens and diffuser in your order.

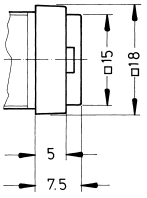
Technical data see page 1 - 48

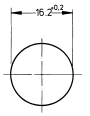
Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.275.032/1002**
Lens, rectangular, transparent red, for LED: **5.49.275.032/1301**
Lens, rectangular, transparent red, for filament lamp: **5.49.275.032/1303**
Lens, rectangular, transparent yellow, for filament lamp or LED: **5.49.275.032/1402**
Lens, rectangular, transparent green, for filament lamp: **5.49.275.032/1502**
Lens, rectangular, transparent green, for LED: **5.49.275.032/1503**
Lens, rectangular, transparent blue, for filament lamp: **5.49.275.032/1601**

Accessories:
Diffuser, rectangular, for filament lamp, without legend: **5.73.012.000/0202**
Diffuser, rectangular, for LED, without legend: **5.73.012.000/0214**

Stock items are marked by **bold printed** order numbers.

LUMOTAST 75 IP40 signal lamp, square collar, protruding lens





Mounting hole

Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	1.65.111.081/0000	Please include the desired lens and diffuser in your order.

Technical data see page 1 - 48

Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
Lens, square, transparent red, for LED: **5.49.275.036/1301**
Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
Lens, square, transparent green, for LED: **5.49.275.036/1503**
Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

Accessories:
Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
Diffuser, square, for LED, without legend: **5.73.013.000/0214**

Stock items are marked by **bold printed** order numbers.