

A

Light pipes for SMDs

suitable for common SMD types, 3 mm light pipes, horizontal, ESD-protection from panel to PCB

B

C

D

E

F

G

H

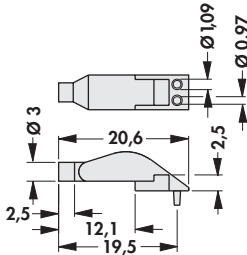
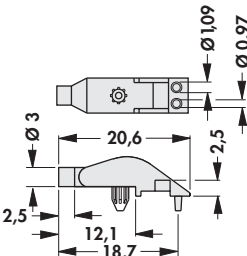
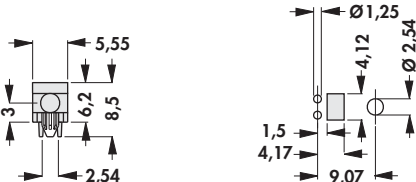
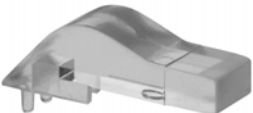
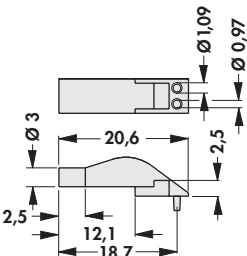
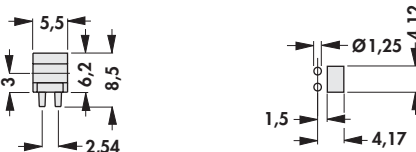
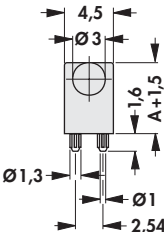
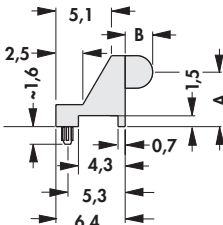
I

K

L

M

N

					
art. no.	way of fixation		diameter of lense		
LL 30 HRS	by alignment pins		Ø 3 mm		
					
art. no.	way of fixation		diameter of lense		
LL 30 HRP	by press-in pins		Ø 3 mm		
					
art. no.	way of fixation		diameter of lense		
LL 35 HVS	by alignment pins		rectangle 5.5x3 mm		
					
art. no.	dim. [mm]		art. no.	dim. [mm]	
	A	B		A	B
LL 30 WRBP 038	3.80	2.50	LL 30 WRBP 076	7.60	2.50
LL 30 WRBP 050	5.00	2.50	LL 30 WRBP 102	10.20	2.50

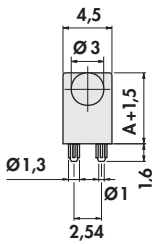
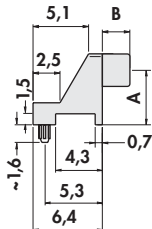
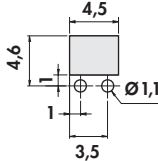
material: polycarbonat, clear colour

temperature range: -30 °C ... +100 °C

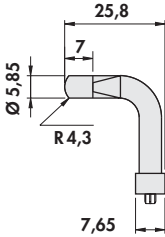
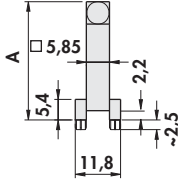
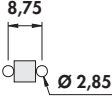
flammability: UL 94 V-0

Light pipes for SMDs

suitable for common SMD types, 3 mm light pipes, horizontal, ESD-protection from panel to PCB

					
art. no.	dim. [mm]		art. no.	dim. [mm]	
	A	B		A	B
LL 30 WRFP 038	3.80	2.50	LL 30 WRFP 076	7.60	2.50
LL 30 WRFP 050	5.00	2.50	LL 30 WRFP 102	10.20	2.50

panel light pipe, 6 mm lens, suitable for common SMD LEDs, white lens, large angle of radiation

			
art. no.	way of fixation	dim. [mm]	
LL 60 WRB 254	by press-in pins	A 25.40	

material: polycarbonat, clear colour

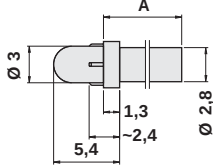
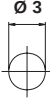
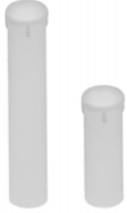
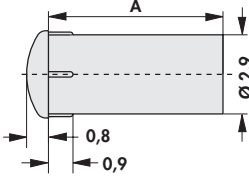
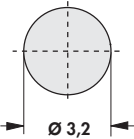
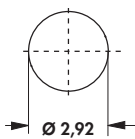
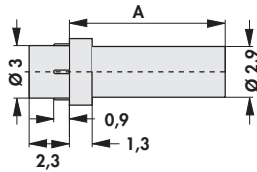
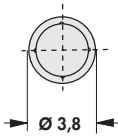
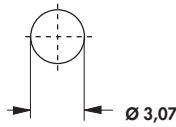
temperature range: -30 °C ... +100 °C

flammability: UL 94 V-0

A

Light pipes for SMDs

panel light pipe 3 mm, ESD protection from panel to PCB

			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 30 PRB 032	3.20	LL 30 PRB 089	8.90
LL 30 PRB 064	6.40		
			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 30 PRL 032	3.20	LL 30 PRL 127	12.70
LL 30 PRL 064	6.40	LL 30 PRL 159	15.90
LL 30 PRL 089	8.90		
			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 30 PRF 032	3.20	LL 30 PRF 127	12.70
LL 30 PRF 064	6.40	LL 30 PRF 159	15.90
LL 30 PRF 089	8.90		

material: polycarbonat, clear colour

temperature range: -30 °C ... +100 °C

flammability: UL 94 V-0

K

L

M

N

L 19

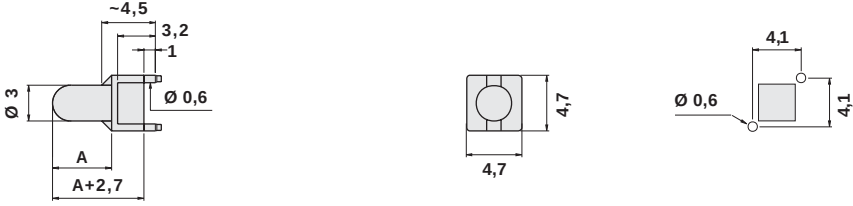
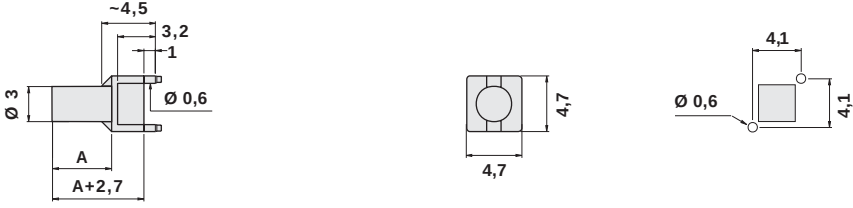
LED-holder/SMD mounting
Spacers & mounting strips
Sockets for LED
Flexible light pipes

→ L 23
→ L 2 - 3
→ F 14 - 15
→ L 22

LED-holders/PCB assembly
LED-holders/front panel assembly
Technical data of the LEDs

→ L 8 - 16
→ L 5 - 7
→ L 25 - 26

suitable for common SMD LEDs, vertical, rigid light pipe Ø 3 mm, ESD protection from panel to PCB

			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 30 VRBS 024	2.40	LL 30 VRBS 075	7.50
LL 30 VRBS 050	5.00		
			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 30 VRFS 024	2.40	LL 30 VRFS 075	7.50
LL 30 VRFS 050	5.00	LL 30 VRFS 115	11.50

material: polycarbonat, clear colour

temperature range: -30 °C ... +100 °C

flammability: UL 94 V-0

A

Light pipes for SMDs

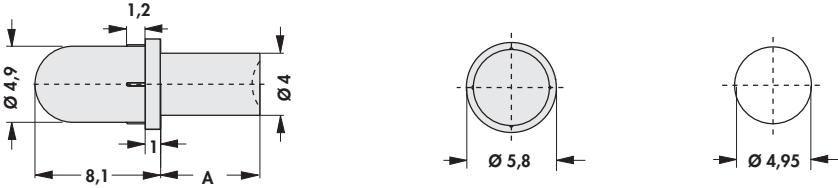
panel light pipe, 6 mm lens, suitable for common SMD LEDs, white lens, large angle of radiation

B

C

D

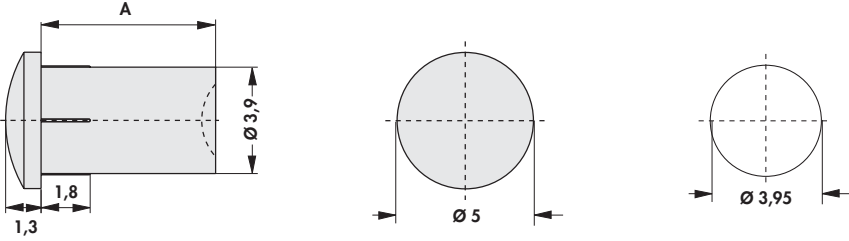
E

			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 50 PRB 032	3.20	LL 50 PRB 159	15.90
LL 50 PRB 064	6.40	LL 50 PRB 190	19.00
LL 50 PRB 089	8.90	LL 50 PRB 254	25.40
LL 50 PRB 127	12.70	LL 50 PRB 318	31.80

material: polycarbonat, clear colour
temperature range: -30 °C ... +100 °C
flammability: UL 94 V-0

F

G

			
art. no.	dim. [mm] A	art. no.	dim. [mm] A
LL 50 PRL 032	3.20	LL 50 PRL 159	15.90
LL 50 PRL 064	6.40	LL 50 PRL 190	19.00
LL 50 PRL 089	8.90	LL 50 PRL 254	25.40
LL 50 PRL 127	12.70	LL 50 PRL 318	31.80

material: polycarbonat, clear colour
temperature range: -30 °C ... +100 °C
flammability: UL 94 V-0

K

L

M

N

L 21