



# LED Indicator Lights Overview



# Flat indicator lights

## Features:

- 3 different brightnesses
- Vandal protection, rotation-proof
- Flush mounting possible
- Use in particularly harsh environments

### Series: 18..



**Mounting Ø:** 6mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, solder lugs or stranded wires  
**Housing:** Brass nickel plated or blackened  
**Lense colour:** Blue, green, clear, orange, red or white  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

### Series: 19..



**Mounting Ø:** 6mm  
**IP class:** Without  
**Terminals:** LED terminals, solder lugs or stranded wires  
**Housing:** Brass nickel plated or blackened  
**Lense colour:** Blue, green, clear, orange, red or white  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

### Series: 34..



**Mounting Ø:** 8mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, Faston 2.8 x 0.5 or stranded wires  
**Housing:** Brass nickel plated or blackened  
 Stainless steel blank or blackened  
**Lense colour:** Blue, green, clear, orange, red or white  
**LED colour:** Blue, yellow, green, red or white  
 BiColor red/green (only series 343 & 348)  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24, 28V or integrated current controller for 5-28, 9-48V (only single colours series 344 & 348) or mains voltage 230V @5mA (only series 348)

### Series: 97..



**Mounting Ø:** 14mm  
**IP class:** IP64 or IP68  
**Terminals:** Faston 2.8 x 0.5 or stranded wires  
**Housing:** Brass nickel plated or blackened  
 Stainless steel blank or blackened  
**Lense colour:** Blue, green, clear, orange, red or white  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

# Indicator lights with reflector

## Features:

- 3 different brightnesses
- Rotation proof
- Excellent front visibility
- Increased visibility due to interior/exterior reflector

### Series: 13..



**Mounting Ø:** 6mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, solder lugs or stranded wires  
**Housing:** Brass nickel plated or blackened  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

### Series: 13..R (R = rear mounting)



**Mounting Ø:** 6mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, solder lugs or stranded wires  
**Housing:** Brass nickel plated or blackened  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

### Series: 14..



**Mounting Ø:** 6mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, solder lugs or stranded wires  
**Housing:** Brass nickel plated or blackened  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

### Series: 15..



**Mounting Ø:** 6mm  
**IP class:** without  
**Terminals:** LED terminals, solder lugs or stranded wires  
**Housing:** Brass nickel plated or blackened  
**LED colour:** Blue, yellow, green, red or white  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24 or 28V

### Series: 33..



**Mounting Ø:** 8mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, Faston 2.8 x 0.5 or stranded wires  
**Housing:** Brass nickel plated or blackened  
 Stainless steel blank or blackened  
**LED colour:** Blue, yellow, green, red or white  
 BiColor red/green (only series 333 & 338)  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24, 28V or integrated current controller for 5-28, 9-48V (only single colours series 334 & 338) or mains voltage 230V @5mA (only series 338)

### Series: 35..






**Mounting Ø:** 8mm  
**IP class:** IP64, IP67 or IP68  
**Terminals:** LED terminals, Faston 2.8 x 0.5 or stranded wires  
**Housing:** Brass Brass nickel plated or blackened  
 Stainless steel blank or blackened  
**LED colour:** Blue, yellow, green, red or white  
 BiColor red/green (only series 353 & 358)  
**Voltage:** LED voltage or integrated resistor for 5, 12, 24, 28V or integrated current controller for 5-28, 9-48V (only single colours series 354 & 358) or mains voltage 230V @5mA (only series 358)

## Indicator lights with side view

### Features:

- Excellent side visibility
- Rotation proof

Ø 6mm	<p><b>Series: 11..</b></p>  <p><b>Mounting Ø:</b> 6mm  <b>IP class:</b> IP64, IP67 or IP68  <b>Terminals:</b> Solder lugs or stranded wires  <b>Housing:</b> Brass nickel plated or blackened  <b>Lense shape:</b> Cylindrical or domed  <b>Lense colour:</b> Blue, green, clear, orange, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> LED voltage or integrated resistor for 5, 12, 24 or 28V</p>
Ø 8mm	<p><b>Series: 17..</b></p>  <p><b>Mounting Ø:</b> 8mm  <b>IP class:</b> IP64, IP67 or IP68  <b>Terminals:</b> LED terminals, Faston 2.8 x 0.5 or stranded wires  <b>Housing:</b> Brass nickel plated or blackened            Stainless steel blank or blackened  <b>Lense shape:</b> Domed  <b>Lense colour:</b> Blue, green, clear, orange, red or white  <b>LED colour:</b> Blue, yellow, green, red or white            BiColor red/green (only series 177 &amp; 178)  <b>Voltage:</b> LED voltage or integrated resistor for 5, 12, 24, 28V or integrated current controller for 5-28, 9-48V (only single colours series 174 &amp; 178) or mains voltage 230V @5mA (only series 178)</p>
Ø 14mm	<p><b>Series: 97..</b></p>  <p><b>Mounting Ø:</b> 14mm  <b>IP class:</b> IP64 or IP68  <b>Terminals:</b> Faston 2.8 x 0.5 or stranded wires  <b>Housing:</b> Brass nickel plated or blackened            Stainless steel blank or blackened  <b>Lense shape:</b> Cylindrical or domed  <b>Lense colour:</b> Blue, green, clear, orange, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> LED voltage or integrated resistor for 5, 12, 24 or 28V</p>

## Indicator lights with based LED (MF)

### Features:

- Different mounting diameters
- Lens and based LED front-replaceable
- Casing, lens and based LED available separately

Ø 11mm	<p><b>Series: 87..</b></p>  <p><b>Mounting Ø:</b> 11mm  <b>IP class:</b> IP64  <b>Terminals:</b> Plug contact with solder lug  <b>Housing:</b> Brass nickel plated or blackened  <b>Lense shape:</b> Cylindrically flat or cylindrically protruding  <b>Lense colour:</b> Blue, green, clear, orange, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> Without resp. only LED voltage or integrated resistor for 5, 12, 24 or 28V</p>
Ø 12mm	<p><b>Series: 88..</b></p>  <p><b>Mounting Ø:</b> 12mm  <b>IP class:</b> IP64  <b>Terminals:</b> Plug contact with solder lug  <b>Housing:</b> Brass nickel plated or blackened  <b>Lense shape:</b> Cylindrically flat or cylindrically protruding  <b>Lense colour:</b> Blue, green, clear, orange, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> Without resp. only LED voltage or integrated resistor for 5, 12, 24 or 28V</p>

## Plastic indicator lights

### Features:

- Protection class IP65
- Large mounting diameter
- Particularly large illuminated surface
- Excellent side visibility

Ø 14mm	<p><b>Series: 941..</b></p>  <p><b>Mounting Ø:</b> 14mm  <b>IP class:</b> IP65  <b>Terminals:</b> Screw terminal  <b>Housing:</b> ABS plastic  <b>Lense colour:</b> Blue, yellow, green, red or white  <b>LED Farbe:</b> Blue, yellow, green, red or white  <b>Voltage:</b> 12, 24V AC/DC or 230V AC</p>
Ø 16mm	<p><b>Series: 943..</b></p>  <p><b>Mounting Ø:</b> 16mm  <b>IP class:</b> IP65  <b>Terminals:</b> Screw terminal  <b>Housing:</b> ABS plastic  <b>Lense colour:</b> Blue, yellow, green, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> 12, 24 AC/DC or 230V AC</p>
Ø 16mm	<p><b>Series: 948..</b></p>  <p><b>Mounting Ø:</b> 16mm  <b>IP class:</b> IP65  <b>Terminals:</b> Screw terminal  <b>Housing:</b> ABS plastic  <b>Lense colour:</b> Blue, yellow, green, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> 12, 24, 48V AC/DC or 115, 230V AC</p>
Ø 22mm	<p><b>Series: 951..</b></p>  <p><b>Mounting Ø:</b> 22mm  <b>IP class:</b> IP65  <b>Terminals:</b> Screw terminal  <b>Housing:</b> ABS plastic  <b>Lense colour:</b> blue, yellow, green, red or white  <b>LED colour:</b> blue, yellow, green, red or white  <b>Voltage:</b> 12, 24, 48V AC/DC or 115, 230V AC</p>
Ø 22mm	<p><b>Series: 955..</b></p>  <p><b>Mounting Ø:</b> 22mm  <b>IP class:</b> IP65  <b>Terminals:</b> Screw terminal  <b>Housing:</b> ABS plastic  <b>Lense colour:</b> Blue, yellow, green, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> 12, 24, 48V AC/DC</p>
Ø 22mm	<p><b>Series: 956..</b></p>  <p><b>Mounting Ø:</b> 22mm  <b>IP class:</b> IP65  <b>Terminals:</b> Screw terminal  <b>Housing:</b> ABS plastic  <b>Lense colour:</b> Blue, yellow, green, red or white  <b>LED colour:</b> Blue, yellow, green, red or white  <b>Voltage:</b> 12, 24V AC/DC or 230V AC</p>

## Sloan LED indicator lights

The high-quality indicator lights from SLOAN are characterised by their durability, excellent product features and high protection class (IP68).

Specially bright LEDs give our signal lights excellent visibility, even under the most extreme conditions, such as direct sunlight.

Due to the high shock and vibration resistance, Sloan indicator lights can also be used in extremely harsh environments.

Our indicator lights are maintenance-free and can therefore also be installed in very difficult accessible locations.

The low power consumption, the simple installation and the small mounting diameter are further advantages that speak in favour of a Sloan indicator light.

Convince yourself!



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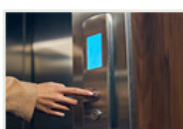



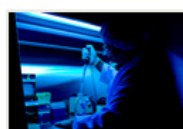
# Combination matrix



	18..	19..	34..	349..	97..	13..	13..R	14..	15..	33..	35..	11..	17..	97..	87..	88..	941	943	948	951	955	956
--	------	------	------	-------	------	------	-------	------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----

	18..	19..	34..	349..	97..	13..	13..R	14..	15..	33..	35..	11..	17..	97..	87..	88..	941	943	948	951	955	956
<b>Mounting-Ø</b>																						
6mm	•	•				•	•	•	•			•										
8mm			•	•						•	•		•									
11mm															•							
12mm																•						
14mm					•									•			•					
16mm																		•	•			
22mm																				•	•	•
<b>Protection class</b>																						
Without		•							•						•	•						
IP64	•		•	•	•	•	•	•		•	•	•	•	•	•	•						
IP65																	•	•	•	•	•	•
IP67	•		•	•		•	•	•		•	•	•	•	•								
IP68	•		•	•	•	•	•	•		•	•	•	•	•								
<b>Housing</b>																						
Brass nickel plated	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
Brass blackened	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
Stainless steel blank																						
Stainless steel blackened			•	•						•	•		•	•								
ABS Plastic black																	•	•	•	•	•	•
<b>Lense shape</b>																						
Flat	•	•	•	•	•										•	•						
Cylindric													•	•	•	•			•	•		
Domed													•	•	•		•	•			•	•
<b>Lense colour</b>																						
Amber/Yellow	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•
Clear (colourless)	•	•	•	•	•							•	•	•	•	•						
Green	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•
<b>LED colour</b>																						
Blue	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yellow	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Green	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Warm-White					•									•								
White	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red/Green			•										•									
<b>Voltage</b>																						
Without (only LED voltage)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
5V @20mA	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•						
12V @20mA	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
24V @16mA															•	•						
24V @20mA	•	•	•		•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•
28V @14mA															•	•						
28V @20mA	•	•	•		•	•	•	•	•	•	•	•	•	•								
48V @20mA																			•	•		•
9-48V @20mA			•										•									
5-28V @20mA			•										•									
115V @20mA																			•	•		
230V @5mA			•										•									
230V @20mA																	•	•	•	•		•

# Applications

Areas of application	Potential applications					
<b>Devices</b>	 Communication	 Power Supplies	 Measur- and testing	 Medical technology	 Washing machines	 Coffee machines
<b>Machines</b>	 Metal working	 Wood working	 Process technology	 Process automation	 Inspection / AOI	 Mounting
<b>Vehicles</b>	 Agriculture	 Trucks	 Special vehicles	 Defence	 Boats	 Railway
<b>Infrastructure, irradiation, other</b>	 Emergency exits	 Elevators	 Barriers	 Doors / Access control	 Bio production	 UV / 405nm Blue light

## Customer-specific solutions

Individuality down to the last detail!

Fulfilling the individual customer's wish is our way of saying that much more is possible than our standard product portfolio depicts. In this we already offer a variety of different designs, versions and series for different areas of application. Within a product group, the indicator lights already differ in size, casing colour, lens colour/shape and voltage variants.

Still not the right luminaire for your application?

Let us realise your desired solution together.

We are your partner for your special requirements!

