



ESCHA TSL lights mainly used for applications with particular requirements for robustness, tightness and funktion reliability.

ESCHA TSL lights are specifically designed for direct installation in harsh environments without additional protection.

Traffic engineering...

Bus and train:

Busses and trains are in operation worldwide along various longitudes and latitudes. TSL products are specifically designed for reliable operations in all climate zones.

A signal-light, for instance, must operate at extreme heat with dust just as reliably as with high humidity or at freezing temperatures.

Special vehicles...

Fire department-, military-, and construction-site vehicles:

These vehicles are often used under harsh conditions and put high demands on the equipment used on board.

Machine-building...

Machine-tool:

For decades, machine wiring has developed out of central cabinets to de-central IP67 solutions. So, today, sensors in robust housings are directly mounted at harsh environments.

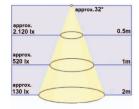
ESCHA TSL has exactly integrated this philosophy into the field of machine-lighting. LED-lights are IP67 protected and resistant to shock and vibration.



Spot with 3x3 Watt LEDs







Type code
Lamp type
Photometric data
Light color

Illumination-geometry

Angle of radiation

Mechanical data

Degree of protection Connection Front cover

Back housing Protective cap

Operating temperature Dimensions Weight

Electrical data

Operating voltage Power consumption

Operating current

EL52-32° Built-in light

cool white approx. 6,300K

neutral white approx. 4,200K warm white approx. 3,200K

circle approx. 32°

IP 67

0.2 m Single wires with wire-end sleeves

V2A, mat shot blasted

PA6GF15

-40° to +50° Celsius

Ø 100 mm 220 g

 $24/36V_{DC}$ or $110V_{DC}$

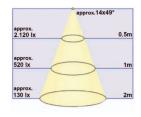
4W

150mA at 24V_{DC}

Spot with 3 x 3 Watt LEDs







Type code
Lamp type
Photometric data

Light color

Illumination-geometry
Angle of radiation

Mechanical data
Degree of protection

Connection
Front cover

Back housing

Protective cap
Operating temperature

Dimensions Weight

Electrical data
Operating voltage

Power consumption
Operating current

EL52-14°x49°

Built-in light

cool white approx. 6,300K neutral white approx. 4,200K approx. 3,200K

ellipse

approx. 14°x 49°

IP 67

0.2 m Single wires with wire-end sleeves

V2A, mat shot blasted

PA6GF15 PC

-40° to +50° Celsius

Ø 100 mm 220 g

 $24/36V_{\rm DC}$ or $110V_{\rm DC}$

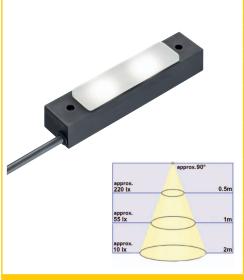
4W

150mA at 24 $V_{\rm DC}$





Built-in light with 2 x 3 Watt LEDs -with dispersion foil-



Type code TL82-white diffuse Lamp type Built-in light

Photometric data

approx. 4,000 - 7,000K Light color cool white

Angle of radiation approx. 90°, diffuse

Mechanical data

IP 67 Degree of protection 2 m Connection cable, wire-end sleeves Connection

Back housing PA6GF15

LED-cover 2-layer safety glass with dispersion foil

-40° to +80° Celsius Operating temperature

Dimensions 120 x 25 x 23.5 mm Weight

120 g

Electrical data

24/36V_{DC} Operating voltage Power consumption 6W 250mA Operating current

Built-in light with 2x3 Watt LEDs -with clear glass-



TL82-white clear Type code Lamp type Built-in light

Photometric data

cool white approx. 4,000 - 7,000K Light color

Angle of radiation approx. 90°

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Back housing PA6GF15

LED-cover 2-layer clear safety glass -40° to +80° Celsius Operating temperature

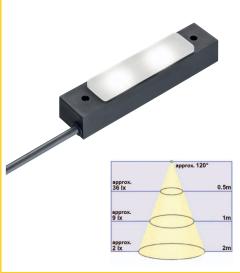
120 x 25 x 23.5 mm Dimensions 120 g

Weight

Electrical data

Operating voltage 24/36V_{DC} Power consumption 6W Operating current 250mA

Built-in light with 2x1 Watt LEDs



Type code TL80 - white

Lamp type Built-in- and surface-mounted-light

Photometric data

Light color cool white approx. 5,600K

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Back housing

LED-cover 2-layer safety glass with dispersion foil

Operating temperature -40° to +80° Celsius Dimensions 120 x 25 x 23.5 mm

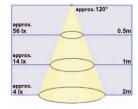
Weight 120 g

Electrical data

24V_{DC} 2.5W Operating voltage Power consumption 100mA Operating current

Built-in light with 2 x 1 Watt LEDs





Type code TL80 - white-clear

Lamp type Built-in- and surface-mounted-light

Photometric data

Light color cool white approx. 5,600K

approx.120°, clear Angle of radiation

Mechanical data

IP 67 Degree of protection

2 m Connection cable, wire-end sleeves Connection

Back housing PA6GF15

LED-cover 2-layer clear safety glas -40° to +80° Celsius Operating temperature Dimensions $120 \times 25 \times 23.5 \, mm$

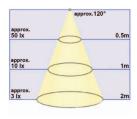
Weight 120 g

Electrical data

24V_{DC} 2.5W Operating voltage Power consumption Operating current 100mA

Built-in light with 4 x 1 Watt LEDs





Type code ELE150 - white Lamp type Built-in light

Photometric data

Light color cool white approx. 6,300K

Angle of radiation approx.120°, diffuse

Mechanical data

Weight

Degree of protection

2 m Connection cable, wire-end sleeves Connection

V2A, mat shot blasted Front cover Back housing Polycarbonate UL94V0 Special glass, satined -40° to +80° Celsius LED-cover Operating temperature Dimensions 200x50x55mm

300 q Electrical data

 $24\mathrm{V}_{\mathrm{DC}}$ or $110\mathrm{V}_{\mathrm{DC}}$ 4W Operating voltage

Power consumption

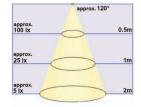
Operating current 150mA at $24V_{DC}$





Built-in light with 3 x 1 Watt LEDs





ELE63-white Type code Lamp type Built-in light

Photometric data cool white approx. 6,300K Light color

approx. 120°, diffuse Angle of radiation

Mechanical data

IP 67 Degree of protection

2 m Connection cable, wire-end sleeves Connection Front cover

V2A, mat shot blasted

PA6GF15

LED-cover Special glass, satined Operating temperature

-40° to +80° Celsius Ø 100 mm

280 g

Electrical data

Back housing

Dimensions

Weight

 $24V_{\rm DC}$ or $110V_{\rm DC}$ 2.5W Operating voltage

Power consumption

Operating current 100mA at 24V_{DC}

Ball light with 3 x 1 Watt LEDs





Type code ELK63-white Lamp type Built-in light

Photometric data

Light color cool white approx. 6,300K

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted

Back housing PA6GF15

Special glass, satined -40° to +80° Celsius LED-cover

Operating temperature Dimensions Ø 100 mm

Weight 280 g

Electrical data

 $24V_{_{
m DC}}$ or $110V_{_{
m DC}}$ 2.5W Operating voltage

Power consumption

Operating current 100 mA at $24V_{DC}$



Step light with 2x3Watt LEDs



TL82-white Type code Lamp type Built-in light

Photometric data

Light color cool white approx. 4,000 - 7,000K

approx. 120°, diffuse Angle of radiation

Mechanical data

Degree of protection IP 67 Connection 2 m Connection cable, wire-end sleeves

Steel, coated RAL 9006 Housing see TL82-white Lamp Operating temperature -40° to +80° Celsius Dimensions 120x25x23.5 mm

Weight 120 g

Electrical data

24/36V_{DC} Operating voltage Power consumption 6W Operating current 250mA

Housing color More on request **LED** color More on request

Floor light

Type code **RL63** Lamp type Built-in light

Photometric data

LEDs 40 units

Light color white, red, yellow, blue, green

Mechanical data

Degree of protection

2 m Connection cable, wire-end sleeves Connection

V2A, mat shot blasted Front cover

Back housing PA6GF15

Special glass, satined, resilient to 350 kg/1 cm² -40° to +80° Celsius LED-cover

Operating temperature Dimensions Ø 100 mm

Weight 300g

Electrical data

24V_{DC} 2.5W Operating voltage Power consumption Operating current 100mA





Display devices IP67

Display devices



ML100 Type code

Туре Door out of order

Photometric data

Background illumination red Signal sound

Mechanical data

IP 67 Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted Intermediate frame Aluminium, powder-coated Visual display 1-layer safety glass, back pressure

Operating temperature -40° to +80° Celsius 182 x 104 x 35 mm Dimensions Weight 900g

Electrical data

24V_{DC} 5W Operating voltage Power consumption Operating current 200mA

Pictograms/texts More on request

Display devices



PKM Type code

Door out of order

Photometric data

Background illumination red Signal sound no

Mechanical data

Degree of protection

IP 67 2 m Connection cable, wire-end sleeves Connection

Mounting ring PA6GF15 Housing

-40° to +80° Celsius Operating temperature Dimensions Ø 87 mm

Weight 100g

Electrical data

Operating voltage $24\,\mathrm{V}_\mathrm{DC}$ 1W Power consumption 300mA Operating current

Pictograms/texts More on request

Display devices





Type code ML52 Type WC-display

Photometric data

Background illumination green, red Signal sound Piezo

Mechanical data

Degree of protection

2 m Connection cable, wire-end sleeves Connection Front cover V2A, mat shot blasted

Back housing PA6GF15

Protective cap PC

-40° to +80° Celsius Operating temperature Dimensions Ø 100mm

Weight 210 g

Electrical data

Operating voltage $24 \rm V_{DC}$ or $110 \rm V_{DC}$

Power consumption 2W Operating current 60mA

Pictograms/texts More on request



Display devices IP67

Display devices



Type codeType

ML63

Service-display

Photometric data

Background illumination white Signal sound Piezo

Mechanical data

Degree of protection IP 67

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted

Back housing PA6GF15
Protective cap PC

Operating temperature -40° to +80° Celsius

Dimensions Ø 100 mm Weight 260 g

Electrical data

Operating voltage 24V_{DC}
Power consumption 2W
Operating current 60mA

Pictograms/texts More on request

Display devices



Type code PKFType
Level display

Photometric data

LED display Segment display, yellow,

90°-sections, seperate to activate

Signal sound no

Mechanical data

Degree of protection IP 67
Connection 2 m Cor

Connection 2 m Connection cable, wire-end sleeves
Mounting ring PA6GF15

Back housing PC

Operating temperature -40° to +80° Celsius

Dimensions Ø 87mm Weight 100 g

Electrical data

Operating voltage 24V_{DC} Power consumption 2W Operating current 60mA

Pictograms/texts More on request



Signal devices

Display devices



Type code WM28

Type Acoustic warning-signal transmitter

Acoustics data

Signal sound Piezo, max. 70 dB LED display Green = Ready

Red = Warning display

Mechanical data

Degree of protection IP 67

Connection 2 m Connection cable, wire-end sleeves

Mounting ring PA6GF15 Housing PC

Operating temperature -40° to +80° Celsius

Dimensions Ø 100 mm Weight 80 g

Electrical data

Warning device



Type code WM87

Type Acoustic sound generator

Acoustics data

Loudspeaker 7 sounds and sound sequences

configurable via laptop

Signal sound max. 70dB, also with adaption to the environment noise

Mechanical data

Degree of protection max. IP69K

Connection 2 m Connection cable, wire-end sleeves

Front cover oval or round
Material V2A, mat shot blasted

Operating temperature -40° to +80° Celsius

Dimensions 87x100mm, Ø 87mm

Weight 200 g

Electrical data

Operating voltage $24V_{DC}$ to $110V_{DC}$

Power consumption 2W

Operating current 60mA

Emergency



Type code GSE10

Type Intercommunication system

Photometric data

Display window Background illumination with LEDs

Sound converter dynamic Signal sound 70 dB

Mechanical data

Degree of protection IP

Connection Plug contact 6.3 x 0.8 mm
Visual display Plexiglass, back pressure
Housing Aluminium die cast
Housing color RAL color: free choice

Push button 1-pole, normally open
Push button color Color free choice
Operating temperature -30° to +60° Celsius
Dimensions 150x60x90.3 mm

800g

Weight

Electrical data
Operating voltage

Operating voltage 24V_{DC}
Power consumption 1W
Operating current 30mA

Pictograms/texts More on request



Signal light with 2x1 Watt LEDs



TL80-blue Type code Lamp type Signal light

Photometric data

Light color blue

approx. 120°, diffuse Angle of radiation

Mechanical data

Degree of protection IP 67

2 m Connection cable, wire-end sleeves Connection Housing

PA6GF15

LED-cover 2-layer safety glass with dispersion foil

-40° to +80° Celsius Operating temperature Dimensions 120x25x23.5 mm

Weight 120 g

Electrical data

24V_{DC} 2.5W Operating voltage Power consumption 100mA Operating current

Signal light with 2x1 Watt LEDs



Type code TL80-yellow Lamp type Signal light

Photometric data

Light color yellow

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves Housing

LED-cover 2-layer safety glass with dispersion foil

-40° to +80° Celsius 120x25x23.5 mm Operating temperature **Dimensions**

120 g

Electrical data

Weight

24V_{DC} 2.5W Operating voltage Power consumption Operating current 100mA

Signal light with 2x1 Watt LEDs



TL80-red Type code Lamp type Signal light

Photometric data

Light color

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Back housing PA6GF15

LED-cover 2-layer safety glass with dispersion foil

Operating temperature -40° to +80° Celsius Dimensions 120x25x23.5 mm

Weight 120 g

Electrical data

24V_{DC} 2.5W Operating voltage Power consumption 100mA Operating current

Signal light with 2x1 Watt LEDs



TL80-green Type code Lamp type Signal light

Photometric data Light color

green

Angle of radiation approx. 120°, diffuse

Mechanical data

IP 67 Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Housing PA6GF15

LED-cover 2-layer safety glass with dispersion foil

-40° to +80° Celsius Operating temperature Dimensions 120x25x23.5mm

Weight 120 g

Electrical data

24V_{DC} 2.5W Operating voltage Power consumption Operating current 100mA

Signal light with 4x1 Watt LEDs



Type code SLE150-yellow Lamp type Signal light

Photometric data

Light color yellow

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection IP 67

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted Back housing Polycarbonate UL94V0 Special glass, satined LED-cover -40° to +80° Celsius Operating temperature Dimensions 200x50x55 mm

Weight 300g

Electrical data $24 \rm V_{DC}$ to $110 \rm V_{DC}$ 2.5W Operating voltage

Power consumption

Operating current 100mA at 24 $V_{\rm DC}$

Signal light with 4x1 Watt LEDs



SLE150-red Type code Lamp type Signal light

Photometric data

Light color

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

IP 67 Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted Polycarbonate UL94V0 Back housing LED-cover Special glass, satined -40° to +80° Celsius 200x50x55 mm Operating temperature **Dimensions**

Weight 300g

Electrical data

 $24 \rm V_{\rm DC}$ to $110 \rm V_{\rm DC}$ 2.5W Operating voltage Power consumption



Signal light with 4x1 Watt LEDs



SLE150-green Type code Lamp type Signal light

Photometric data Light color

green Angle of radiation approx. 120°, diffuse

Mechanical data

IP 67 Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted Back housing Polycarbonate UL94V0 LED-cover Special glass, satined Operating temperature -40° to +80° Celsius Dimensions 200x50x55 mm

300 q

Electrical data

Weight

 $24\,\mathrm{V}_{\mathrm{DC}}$ to $110\,\mathrm{V}_{\mathrm{DC}}$ 2.5W Operating voltage

Power consumption

Operating current 100mA at $24V_{DC}$

Signal light with 4x1 Watt LEDs



Type code SLE150-blue Lamp type Signal light

Photometric data

Light color

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection IP 67

Connection 2 m Connection cable, wire-end sleeves Front cover

V2A, mat shot blasted Back housing Polycarbonate UL94V0 LED-cover Special glass, satined -40° to +80° Celsius Operating temperature **Dimensions** 200x50x55 mm

Weight 300 g

Electrical data

 $24\,\mathrm{V}_{_{\mathrm{DC}}}$ to $110\,\mathrm{V}_{_{\mathrm{DC}}}$ 2.5W Operating voltage

Power consumption

100mA at 24V_{DC} Operating current

Signal light with 4x1 Watt LEDs -2-color, separately controlled-



Type code SLE150 - 2-color traffic light-

Lamp type Signal light

Photometric data

e.g. red, red + white, white Light color Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

V2A, mat shot blasted Front cover Polycarbonate UL94V0 Back housing LED-cover Special glass, satined -40° to +80° Celsius Operating temperature 200x50x55 mm Dimensions 300g

Weight Electrical data

 $24\,\mathrm{V}_{\mathrm{DC}}$ to $110\,\mathrm{V}_{\mathrm{DC}}$ 2.5W Operating voltage

Power consumption

Signal light with 4x1 Watt LEDs - 2-color, separately controlled-



Type code SLE150 - color plain -Lamp type Signal light

Photometric data

e.g. red, white, red, white Light color Angle of radiation approx.120°, diffuse

Mechanical data

Degree of protection

IP 67 2 m Connection cable, wire-end sleeves Connection

Front cover V2A, mat shot blasted Back housing Polycarbonate UL94V0 Special glass, satined LED-cover Operating temperature -40° to +80° Celsius Dimensions 200x50x55 mm

Weight 300 q

Electrical data

 $24 \rm V_{DC}$ to $110 \rm V_{DC}$ 2.5W Operating voltage

Power consumption

Operating current 100mA at $24V_{DC}$

Ball light with 3 x 1 Watt LEDs



SLK63-red Signal light

Photometric data

Light color

approx. 120°, diffuse Angle of radiation



Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted

Back housing PA6GF15

LED-cover Special glass, satined -40° to +80° Celsius Operating temperature

Dimensions Ø 100 mm

Weight

Electrical data

 $24 \rm V_{DC}$ to $110 \rm V_{DC}$ 2.5W Operating voltage

Power consumption

Operating current 100mA at 24 $V_{\rm DC}$





SLE63-red Type code Lamp type Signal light

Photometric data

Light color

Angle of radiation approx. 120°, diffuse



Mechanical data

IP 67 Degree of protection Connection 2 m Connection cable, wire-end sleeves

V2A, mat shot blasted Front cover

PA6GF15 Back housing

LED-cover Special glass, satined -40° to +80° Celsius Operating temperature

Ø 100 mm **Dimensions** Weight

Electrical data

 $24 \rm V_{\rm DC}$ to $110 \rm V_{\rm DC}$ 2.5W Operating voltage

Power consumption



Built-in light with 3 x 1 Watt LEDs



SLE63-blue Type code Lamp type Signal light

Photometric data

Light color

Angle of radiation approx. 120°, diffuse

Mechanical data

IP 67 Degree of protection

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted

Back housing PA6GF15

LED-cover Special glass, satined Operating temperature -40° to +80° Celsius

Ø 100 mm 280 g

Electrical data

Dimensions

Weight

 $24\,\mathrm{V}_{\mathrm{DC}}$ to $110\,\mathrm{V}_{\mathrm{DC}}$ 2.5W Operating voltage

Power consumption

Operating current 100mA at $24V_{DC}$

Built-in light with 3 x 1 Watt LEDs



Type code SLE63-yellow Lamp type Signal light

Photometric data

yellow Light color

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection IP 67

Connection 2 m Connection cable, wire-end sleeves

Front cover V2A, mat shot blasted

Back housing PA6GF15

LED-cover Special glass, satined -40° to +80° Celsius Operating temperature

Dimensions Ø 100 mm

Weight

Electrical data

 $24\,\mathrm{V}_{_{\mathrm{DC}}}$ to $110\,\mathrm{V}_{_{\mathrm{DC}}}$ 2.5W Operating voltage

Power consumption

100mA at 24V_{DC} Operating current

Built-in light with 3 x 1 Watt LEDs



SLE63-green Type code Lamp type Signal light

Photometric data

Light color green

Angle of radiation approx. 120°, diffuse

Mechanical data

Degree of protection

Connection 2 m Connection cable, wire-end sleeves

V2A, mat shot blasted Front cover

PA6GF15 Back housing

LED-cover Special glass, satined -40° to +80° Celsius Operating temperature

Ø 100 mm **Dimensions** Weight 280 g

Electrical data

 $24\,\mathrm{V}_{\mathrm{DC}}$ to $110\,\mathrm{V}_{\mathrm{DC}}$ 2.5W Operating voltage

Power consumption

Built-in light



SM22 Type code Lamp type Signal light

Photometric data

Light color

red

Mechanical data

Degree of protection Connection Reflector Housing Nut O-Ring Operating temperature

Screw terminal to 1.5 mm² Aluminium-, Chrome-plated Plastic, PA6.6 gray-white Aluminium, M22x1 NBR, ø22 x 1.5 -40° to +70° Celsius

IP67 front side

Dimensions Ø 30 mm Mounting hole Ø 22 mm 27g

Electrical data

Weight

Operating voltage Power consumption Operating current

 $\begin{array}{l} {24{\rm{V}_{DC}}},\,{110{\rm{V}_{DC}}},\,{230{\rm{V}_{AC}}} \\ {0.5{\rm{W}}} \end{array}$

15mA at $24V_{DC}$

Built-in light



Type code **SM22** Lamp type

Photometric data

Light color

Signal light

yellow

Mechanical data

Degree of protection Connection Reflector Housing Nut O-Ring Operating temperature IP67 front side Screw terminal to 1.5 mm² Aluminium-, Chrome-plated Plastic, PA6.6 gray-white Aluminium, M22x1

NBR, ø22 x 1.5 -40° to +70° Celsius Ø 30 mm Dimensions Mounting hole Ø 22 mm 27g

Weight

Electrical data Operating voltage

Power consumption

 $24V_{\rm DC}^{}$, $110V_{\rm DC}^{}$, $230V_{\rm AC}^{}$ 0.5W

15mA at 24V_{DC} Operating current

Built-in light



SM22 Type code Lamp type Signal light

Photometric data

Light color

blue

Mechanical

Degree of protection Connection Reflector Housing Nut O-Ring Operating temperature

IP67 front side

Screw terminal to 1.5 mm² Aluminium-, Chrome-plated Plastic, PA6.6 gray-white Aluminium, M22x1 NBR, ø22 x 1.5 -40° to +70° Celsius Ø 30 mm

Dimensions Mounting hole Ø 22 mm Weight

Electrical data

Operating voltage Power consumption Operating current

 $\begin{array}{l} 24\,V_{_{DC}},\,110\,V_{_{DC}},\,230\,V_{_{AC}} \\ 0.5\,W \end{array}$

15mA at 24V_{DC}



Built-in light



SM22 Type code Signal light

Photometric data

green Light color

Mechanical data

Degree of protection IP67 front side Connection Screw terminal to 1.5 mm² Aluminium-, Chrome-plated Reflector Housing Plastic, PA6.6 gray-white Nut Aluminium, M22x1 O-Ring NBR, ø22 x1.5 -40° to +70° Celsius Operating temperature

Dimensions Ø 30 mm Mounting hole Ø 22 mm Weight 27g

Electrical data

 $24V_{DC}, 110V_{DC}, 230V_{AC}$ 0.5W Operating voltage

Power consumption

Operating current 15mA at 24V_{DC}

Built-in light



SM30 Type code Lamp type Signal light

Photometric data

Light color red

Mechanical data

IP67 front side Degree of protection Plug contact, 2.8 x 0.8 mm Connection Reflector Aluminium-, Chrome-plated

Housing Plastic PC, color corresponds to light color

PC, M30x1.5 Nut Dichtring NBR70

Operating temperature -40° to +70° Celsius

Ø 34 mm Dimensions Mounting hole Ø 30 mm Weight

Electrical data

Operating voltage $24V_{DC}$, $110V_{DC}$, $230V_{AC}$

Power consumption 0.5W

20mA at 24V_{DC} Operating current

Built-in light



SM30 Type code Lamp type Signal light

Photometric data

Light color yellow

Mechanical data

Degree of protection Connection Reflector Housing Nut Dichtring

IP67 front side Plug contact, 2.8x0.8mm Aluminium-, Chrome-plated

Plastic PC, color corresponds to light color

PC, M30x1.5 NBR70

Operating temperature -40° to +70° Celsius

Ø 34 mm Dimensions Ø 30 mm Mounting hole Weight

Electrical data

 $24V_{DC}$, $110V_{DC}$, $230V_{AC}$ 0.5W Operating voltage

Power consumption

Built-in light



SM30 Type code Lamp type Signal light

Photometric data

Light color blue

Mechanical data

Degree of protection IP67 front side Connection Plug contact, 2.8 x 0.8 mm Reflector

Aluminium-, Chrome-plated
Plastic PC, color corresponds to light color Housing

Nut PC, M30 x1.5 Dichtring NBR70

-40° to +70° Celsius Operating temperature

Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g

Electrical data

 $24V_{\rm DC}^{}$, $110V_{\rm DC}^{}$, $230V_{\rm AC}^{}$ 0.5WOperating voltage

Power consumption

20mA at 24V_{DC} Operating current

Built-in light



SM30 Type code Lamp type Signal light

Photometric data

Light color green

Mechanical data

IP67 front side Degree of protection Plug contact, 2.8 x 0.8 mm Connection Reflector Aluminium-, Chrome-plated Plastic PC, color corresponds to light color Housing

PC, M30x1.5 Nut

Dichtring NBR70

Operating temperature -40° to +70° Celsius

Ø 34 mm Dimensions Mounting hole Ø 30 mm Weight

Electrical data

 $24V_{\rm DC}^{}$, $110V_{\rm DC}^{}$, $230V_{\rm AC}^{}$ 0.5WOperating voltage

Power consumption

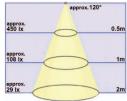




Surface-mounted lights

Cube light with 3 x 3 Watt LEDs





Type code Lamp type

Photometric data Light color

Illumination-geometry Angle of radiation Mechanical data

Degree of protection Connection Housing LED-cover Operating temperature Dimensions

Weight Electrical data

Power consumption Operating current

1SB CWZ M3301-4W

Surface-mounted light

cool white approx. 6,300K neutral white approx. 4,200K approx. 3,200K warm white circle

approx. 120°

IP 67

Industrial connector M12x1 Aluminum die cast 1-layer safety glass -40° to +50° Celsius 41x41x66 mm 200 g

24/36V_{DC} Operating voltage 4W 150mA

High-Power-LED-Spot





Type code Lamp type

Photometric data Light color

Illumination-geometry Angle of radiation

1ME NWN Z3501-24W Surface-mounted light

neutral white approx. 4,200K

circle approx.38°

Mechanical data Degree of protection

Connection Housing LED-cover Operating temperature Dimensions

Weight

IP 67

Three-phase track adapter Aluminum die cast 1-layer safety glass -40° to +50° Celsius Ø 160 mm approx. 1,000 g

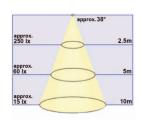
Electrical data

Operating voltage Power consumption Operating current

230V_{AC} approx. 24W approx. 150mA

High-Power-LED-Spot





Type code Lamp type

Photometric data

Light color Illumination-geometry Angle of radiation

1ME NWN P3501-24W

Surface-mounted light

neutral white approx. 4,200K circle approx.38°

Mechanical data

Degree of protection Connection Housing LED-cover Operating temperature

Dimensions Weight

IP 67

rubber cable, wire-end sleeve Aluminum die cast 1-layer safety glass -40° to +50° Celsius

Ø 160 mm approx. 1,000 g

Electrical data

Operating voltage Power consumption Operating current

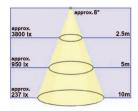
 $230V_{AC}$ approx. 24W approx. 150mA



Surface-mounted lights

High-Power-LED-Spot





1MB CWS M3501-24W Type code Lamp type Surface-mounted light

Photometric data

cool white Light color Illumination-geometry circle Angle of radiation

approx. 6,300K

approx. 8°

Mechanical data

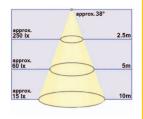
IP 67 Degree of protection Industrial connector M12x1 Connection Housing Aluminum die cast 1-layer safety glass LED-cover -40° to +50° Celsius Operating temperature Dimensions Ø 160 mm Weight approx. 1,000 g

Electrical data

24V_{DC} approx. 24W approx. 1,000 mA Operating voltage Power consumption Operating current

High-Power-LED-Spot





Type code 1MB CWN M3501-24W Lamp type Surface-mounted light

Photometric data

Light color cool white approx. 6,300K Illumination-geometry circle Angle of radiation approx.38°

Mechanical data

Degree of protection IP 67 Connection Industrial connector M12x1 Housing Aluminum die cast LED-cover 1-layer safety glass -40° to +50° Celsius Ø 160 mm Operating temperature Dimensions Weight approx. 1,000 g

Electrical data

 $24V_{DC}$ approx. 24WOperating voltage Power consumption Operating current approx. 1,000 mA



Headquaters

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