LED Lights

Lights Display Devices Signal Devices touch switch light



WC

50



LED Lights

ESCHA TSL lights are mainly used for applications with special requirements such as robustness, tightness, and functional reliability. ESCHA TSL lights are specifically designed for direct installation in harsh environments without any additional protection.

Traffic Engineering...

Bus and Railway:

Buses and railways operate worldwide along various longitudes and latitudes. TSL products are specifically designed for reliable operation in all climate zones.

For instance, an outdoor signal light should not only operate reliably in extreme heat or freezing temperatures, but also in dusty and humid conditions.

Special Trucks...

Firetrucks, Military and Construction Vehicles:

These vehicles are often used under rough conditions and place high demands on the equipment used on board.

ESCHA TSL LED lights are resistant to shock and vibration.

Machine Illumination...

Machine Tools:

For decades, machine wiring has developed from electrical cabinets to decentralized IP67 solutions. For example, today sensors in robust housings are exposed to harsh environments.

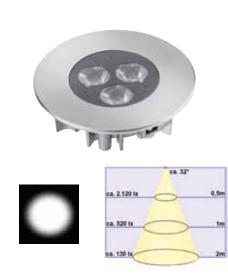
ESCHA TSL has integrated precisely this heavy-duty technology into the field of machine illumination.



ESCHA TSL GmbH Elberfelder Str. 1 . 58553 Halver, Germany Sales Phone: +49 2353 66796-0 Fax: +49 2353 66796-799 info@escha-tsl.com . www.escha-tsl.com



Spotlight with 3x3 Watt LEDs



Spotlight with 3x3 Watt LEDs

ca 130 /x _____ 2m

Type code Lamp type Photometric data Light color

Illumination-geometry Angle of radiation

Mechanical data

Protection level Connection Front cover material Back housing material Protective cap Operating temperature Dimensions Weight Electrical data Operating voltage Power consumption Current consumption

EL50-32° Built-in light

Cool white approx. 6,300 K Warm white approx. 3,200 K Circle Approx. 32°

IP67

Industrial connector M8 V2A, matte shot blasted Aluminum die-cast 1-layer safty glas or PC -40° to +50° Celsius Ø 90mm 190g

 $\begin{array}{l} 24/36\,V_{_{DC}} \text{ or } 110\,V_{_{DC}} \\ 5\,W \\ 200\,\text{mA at } 24\,V_{_{DC}} \end{array}$

EL50-14° x 49° Built-in light Cool white approx. 6,300 K Warm white approx. 3,200 K Ellipse Approx. 14° x 49°

Mechanical data

Angle of radiation

Illumination-geometry

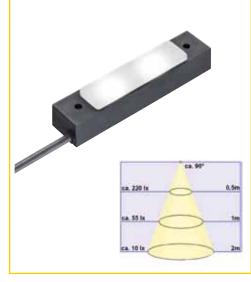
Type code

Lamp type Photometric data Light color

Protection level Connection Front cover material Back housing material Protective cap Operating temperature Dimensions Weight Electrical data Operating voltage Power consumption Current consumption IP 67 Industrial connector M8 V2A, matte shot blasted Aluminum die-cast 1-layer safty glas or PC -40° to +50° Celsius Ø 90 mm 190 g

 $\begin{array}{c} 24/36\,V_{_{DC}}\,\text{or}\,\,110\,V_{_{DC}}\\ 5\,W\\ 200\,\text{mA}\,\text{at}\,\,24\,V_{_{DC}} \end{array}$

Built-in Light with 2x3 Watt LEDs - with light diffuser



Type codeLamp typePhotometric dataLight colorAngle of radiation

TL82 White, diffuse Built-in light

Cool white approx. 4,000 - 7,000K diffuse

Mechanical data Protection level Connection Housing material

Protective cap Operating temperature Dimensions Weight

Electrical data

Operating voltage Power consumption Current consumption IP67 2 m Connection cable, wire-end sleeves PA6GF15 2-layer safety glass with light diffuser -40° to +80° Celsius 120x25x23.5mm 120g

24/36V_{DC} 6W 250mA

Lighto		
Built-in Light with 2x3 Watt LEDs -	with clear glass	
	Type code Lamp type Photometric data Light color Angle of radiation	TL82 White, clear glass Built-in light Cool white approx. 4,000 - 7,000 K Approx. 90°
ca 480 is 0.5m	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2m Connection cable, wire-end sleeves PA6GF15 2-layer clear safety glass -40° to +80° Celsius 120x25x23.5mm 120g
ca. 120 fx 1m	Electrical data Operating voltage Power consumption Current consumption	24/36V _{DC} 6W 250mA
Built-in and Surface-Mounted Light	with 2x1 Watt LEDs	
	Type code Lamp type Photometric data Light color Angle of radiation	TL80 White Built-in and surface-mounted light Cool white approx. 5,600 K diffuse
ea. 120° ca. 36 iz 0.5m	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2m Connection cable, wire-end sleeves PA6GF15 2-layer safety glass with light diffuser -40° to +80° Celsius 120x25x23.5mm 120g
ca 9 k tm ca 2 k 2m	Electrical data Operating voltage Power consumption Current consumption	24V _{pc} 2.5W 100mA
Built-in and Surface-Mounted Light	with 2x1 Watt LEDs	
	Type code Lamp type Photometric data Light color Angle of radiation	TL80 White, clear glass Built-in and surface-mounted light Cool white approx. 5,600 K Approx. 120°, clear
ea. 120° ca. 56 iz 0.5m	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2m Connection cable, wire-end sleeves PA6GF15 2-layer clear safety glass -40° to +80° Celsius 120x25x23.5mm 120g
ca. 14 la ten ca. 4 la 2m	Electrical data Operating voltage Power consumption Current consumption	24V _{pc} 2.5W 100mA

touch.switch.light

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



38b

Type code Lamp type	
Photometric data	
Light color	
Angle of radiation	

Mechanical data

Operating temperature

Protection level

Connection Housing material

LED-cover

Dimensions

Electrical data

Operating voltage Power consumption

Type code TL82

Photometric data Light color

Angle of radiation

Lamp type

Current consumption

Weight

TL83 white, clear glass **Built-in light** Cool white approx. 6,300K approx. 80°

> IP67 Ø8 Aluminum die-cast 1-layer clear safety glass -40° to +50° Celsius 120x25x16mm 100g

TL83 white, diffuse

Cool white approx. 6,300K

Built-in light

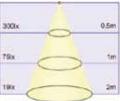
diffuse

 $\frac{24V_{DC}}{4W}$ 160 m A

Built-in Light with 2x3 Watt LEDs - with light diffuser

2m

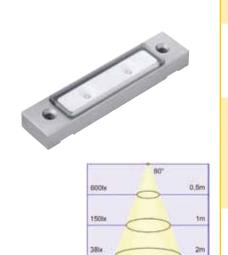




Mechanical data Protection level	IP67
Connection	Ø8
Housing material	Aluminum die-cast
LED-cover	2-layer safety glass with light diffuser
Operating temperature	-40° to +50° Celsius
Dimensions	120x25x16mm
Weight	100g
Electrical data	
Operating voltage	24V _{DC}
Power consumption	4W 00
· · · · · · · · · · · · · · · · · · ·	

160 m A

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



Current consumption

Type code Lamp type Photometric data Light color Angle of radiation

TL83 white, clear glass Built-in light

Cool white approx. 6,300K approx. 80°

Mechanische Daten Protection level Connection Housing material

LED-cover Operating temperature Dimensions Weight

Electrical data

Operating voltage Power consumption Current consumption IP67 M12-connector Aluminum die-cast 1-layer clear safety glass -40° to +50° Celsius 120x25x16mm 100 g

24V_{DC} 4W 160 m A

Lights		
Built-in Light with 2x3 Watt LEDs -	with light diffuser	
*	Type code TL82 Lamp type Photometric data Light color Angle of radiation	TL83 white, diffuse Built-in light Cool white approx. 6,300K diffuse
300x 0.5m	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight Electrical data	IP67 M12-connector Aluminum die-cast 2-layer safety glass with light diffuser -40° to +50° Celsius 120x25x16mm 100g
75x 1m 10x 2m	Operating voltage Power consumption Current consumption	24V _{DC} 4W 160mA
Built-in Light with 2x3 Watt LEDs -	with clear glass	
	Type code Lamp type Photometric data Light color Angle of radiation	TL83 white, clear glass Built-in light Cool white approx. 6,300K approx. 80°
B00tx 0.5m	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2 m Connection cable, wire-end sleeves Aluminum die-cast 1-layer clear safety glass -40° to +50° Celsius 120x25x16 mm 100g
1500x 1m 381x 2m	Electrical data Operating voltage Power consumption Current consumption	24V _{DC} 4W 160mA
Built-in Light with 2 x 3 Watt LEDs -	with light diffuser	
~	Type code TL82 Lamp type Photometric data Light color Angle of radiation	TL83 white, diffuse Built-in light Cool white approx. 6,300K diffuse
3301x 0.5m	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2 m Connection cable, wire-end sleeves Aluminum die-cast 2-layer safety glass with light diffuser -40° to +50° Celsius 120x25x16 mm 100g
78x 1m 19k 2m	Electrical data Operating voltage Power consumption Current consumption	24V _{pc} 4W 160mA

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Built-in Light with 4x1 Watt LEDs ELE150 White Type code Lamp type **Built-in light** Photometric data Cool white approx. 6,300K -----Light color Angle of radiation Approx. 120°, diffuse Mechanical data Protection level IP67 Connection 2m Connection cable, wire-end sleeves Front cover material V2A, matte shot blasted Back housing material Polycarbonate UL94V0 LED-cover Special frosted glass ca. 120' -40° to +80° Celsius Operating temperature ca. 50 tx 0.5m Dimensions 200 x 50 x 55 mm Weight 300 g Electrical data a. 10 h $24V_{DC}$ or $110V_{DC}$ Operating voltage Power consumption 4W 150 mA at $24 V_{DC}$ ca.3 h Current consumption Built-in Light with 3x1 Watt LEDs Type code ELE63 White Built-in light Lamp type Photometric data Light color Cool white approx. 6,300K Approx. 120°, diffuse Angle of radiation Mechanical data Protection level IP67 Connection 2m Connection cable, wire-end sleeves Front cover material V2A, matte shot blasted PA6GF15 Back housing material ca. 120 LED-cover Special glass, frosted and hardened Operating temperature -40° to +80° Celsius ca. 100 h Ø 100 mm Dimensions Weight 280 g Electrical data a. 25 h Operating voltage $24\,V_{_{\rm DC}}$ or $110\,V_{_{\rm DC}}$ 2.5 W Power consumption ca. 5 lx Current consumption 100 mA at 24 V_{DC} Built-in Light with 3x1 Watt LEDs ELK63 White Type code Lamp type Built-in light Photometric data Light color Cool white approx. 6,300 K Angle of radiation diffuse Mechanical data IP67 Protection level Connection 2 m Connection cable, wire-end sleeves V2A, matte shot blasted Front cover material PA6GF15 Back housing material ca. 120* LED-cover Special glass, frosted and hardened Operating temperature -40° to +80° Celsius a. 120 Dimensions Ø 100 mm Weight 280 g Electrical data a. 301 $24V_{\rm DC}$ or $110V_{\rm DC}$ 2.5W Operating voltage Power consumption ca. 5 lx

Current consumption

100 mA at 24 V_{DC}

Step Light with 2x3 Watt LEDs		
	Type code Lamp type Photometric data Light color	TL82 White, diffuse Built-in light Cool white approx. 4,000 - 7,000K
	Angle of radiation Mechanical data Protection level	diffuse
	Connection Housing material Lamp Operating temperature Dimensions Weight	2m Connection cable, wire-end sleeves Steel, coated RAL 9006 TL82 White, diffuse -40° to +80° Celsius 120x25x23.5mm 120g
·	Electrical data Operating voltage Power consumption Current consumption	24/36V _{DC} 6W 250mA
	Housing color LED color	Additional colors upon request Additional colors upon request
Step Light with 2x3 Watt LEDs		
	Type code Lamp type Photometric data	TL82 White, clear Built-in light
	Light color Angle of radiation	Cool white approx. 4,000 - 7,000K Approx. 120°, clear
	Mechanical data Protection level Connection Housing material Lamp Operating temperature Dimensions Weight	IP67 2m Connection cable, wire-end sleeves Steel, coated RAL 9006 TL82 White, clear glass -40° to +80° Celsius 120x25x23.5mm 120g
	Electrical data Operating voltage Power consumption Current consumption	24/36V _{DC} 6W 250mA
	Housing color LED color	Additional colors upon request Additional colors upon request



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Cube Light with 3x3 Watt LEDs



Type codeLamp typePhotometric dataLight color

Illumination-geometry Angle of radiation

Mechanical data Protection level Connection Housing material LED-cover Operating temperature

LED-cover Operating temperature Dimensions Weight

Electrical data Operating voltage

Power consumption Current consumption IP67 Industrial connector M12x1 Aluminum die-cast 1-layer safety glass -40° to +50° Celsius 41 x41 x66 mm

1SB CWZ M3301-4W

Cool white approx. 6,300K

Cube

Circle Approx. 120°

24/36 V_{DC} 4 W 150 mA

200 g

Cube Light with 3x3 Watt LEDs - with swan neck



in Swan nook	
Type code Lamp type	1SB CWZ M3304-4W Cube
Photometric data Light color Illumination-geometry Angle of radiation	Cool white approx. 6,300K Circle Approx. 120°
Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP 67 Industrial connector M12 x 1 Aluminum die-cast 1-layer safety glass -40° to +50° Celsius 41 x 41 x 66 mm 680 g
Electrical data Operating voltage Power consumption Current consumption	24/36V _{DC} 4W 150mA

High-Power LED-Spot - with swan neck



Type codeLamp typePhotometric dataLight colorIllumination-geometryAngle of radiation

1MB CWS M3503-24W HPLS

Cool white approx. 6,300K Circle Approx. 8°

Mechanical data Protection level

Connection Housing material LED-cover Operating temperature Dimensions Weight

Electrical data

Operating voltage Power consumption Current consumption IP 67 Industrial connector M12 x 1 Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160 mm Approx. 1,750 g

24V_{DC} Approx. 24W Approx. 1,000mA

High-Power LED-Spot EX-Protected



Type code Lamp type Photometric data Light color

Illumination-geometry Angle of radiation

Mechanical data Protection level Connection Housing material LED-cover Operating temperature

Dimensions

Type code Lamp type

Electrical data

Operating voltage Power consumption

Current consumption

Photometric data Light color

Angle of radiation

Mechanical data Protection level

Operating temperature

Connection Housing material

LED-cover

Dimensions

Electrical data

Operating voltage

Power consumption

Weight

Illumination-geometry

Weight

1MB CWS P35X1-24W HPLS-EX

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Cool white approx. 6,300K Circle Approx. 8°

IP67 Rubber cable, wire-end sleeves Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø160mm Approx. 1,000 g

24 V_{DC} Approx. 24W Approx. 1,000mA

High-Power LED-Spot EX-Protected

1.841lx



1m 3775 167ix

High-Power LED-Spot



Current consumption

Type code Lamp type Photometric data Light color Illumination-geometry Angle of radiation

1ME NWN P3501-24W HPLS

Neutral white approx. 4,200 K Circle Approx. 38°

Mechanical data Protection level Connection

Housing material LED-cover Operating temperature Dimensions Weight

Electrical data Operating voltage Power consumption Current consumption IP67 Rubber cable, wire-end sleeves Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160 mm Approx. 1,000g

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

1MB CWN P35X1-24W HPLS-EX Cool white approx. 6,300K

Circle Approx. 38°

IP 67 Rubber cable, wire-end sleeves Aluminum die-cast 1-layer safety glass

-40° to +50° Celsius Ø160mm Approx. 1,000g

 $24\,V_{\rm DC}$ Approx. 24W Approx. 1,000 mA

High-Power LED-Spot



Type codeLamp typePhotometric dataLight color

Light color Illumination-geometry Angle of radiation

Mechanical data

Electrical data

Type code

Lamp type

Photometric data Light color

Angle of radiation

Mechanical data

Illumination-geometry

Operating voltage Power consumption

Current consumption

Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight

1ME NWN Z3501-24W HPLS

Neutral white approx. 4,200K Circle Approx. 38°

IP67 3-phase track adapter Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160 mm Approx. 1,000 g

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

High-Power LED-Spot

8* 16.570x 1r 4.143t 2

Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight Electrical data

Operating voltage Power consumption Current consumption

1MB CWS M3501-24W HPLS

Cool white approx. 6,300 K Circle Approx. 8°

IP67 Industrial connector M12x1 Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160 mm Approx. 1,000 g

24V_{DC} Approx. 24W Approx. 1,000mA

High-Power LED-Spot



1.841b

Type code Lamp type Photometric data Light color Illumination-geometry

Angle of radiation

Mechanical data Protection level

Connection Housing material LED-cover Operating temperature Dimensions Weight

Electrical data

Operating voltage Power consumption Current consumption

1MB CWN M3501-24W HPLS

Cool white approx. 6,300K Circle Approx. 38°

IP67

Industrial connector M12x1 Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160mm Approx. 1,000 g

24V_{DC} Approx. 24W Approx. 1,000mA

High-Power LED-Spot		
	Type code	1ME ZBN P3501-24W
	Light color Illumination-geometry Angle of radiation	HPLS Blue Circle Approx. 38°
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 Rubber cable, wire-end sleeves Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160mm 1,000 g
	Electrical data Operating voltage Power consumption Current consumption	230V _{ac} Approx. 24W Approx. 150mA
High-Power LED-Spot		
	Type code Lamp type	1ME ZRN P3501-24W HPLS
	Photometric data Light color Illumination-geometry Angle of radiation	Red Circle Approx. 38°
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 Rubber cable, wire-end sleeves Aluminum die-cast 1-layer safety glass -40° to +50° Celsius Ø 160 mm Approx. 1,000 g
	Electrical data Operating voltage Power consumption Current consumption	230 V _{AC} Approx. 24 W Approx. 150 mA
Tubular Light		
	Type code Lamp type Photometric data Light color Illumination-geometry Angle of radiation	1LB CWN M3101-12W PL18 Cool white approx. 6,300K Area 40°
122222	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP 67 Industrial connector M12 x 1 Extruded aluminum, anodized 1-layer safety glass -40° to +50° Celsius Ø 60 x 447 mm Approx. 1,300 g
	Electrical data Operating voltage Power consumption Current consumption	24V _{DC} 12W 500mA

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Tubular Light		
	Type code Lamp type Photometric data Light color Illumination-geometry Angle of radiation	1LE CWN P3101-12W PL18 Cool white approx. 6,300 K Area 40°
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 Rubber cable, wire-end sleeves Extruded aluminum, anodized 1-layer safety glass -40° to +50° Celsius Ø 60x447 mm Approx. 1,300g
	Electrical data Operating voltage Power consumption Current consumption	230 V _{AC} 12 W 55 mA
Tubular Light		
	Type code Lamp type Photometric data Light color Illumination-geometry Angle of radiation	1LB CWN M3101-24W PL18 Cool white approx. 6,300 K Area 40°
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 Industrial connector M12 x 1 Extruded aluminum, anodized 1-layer safety glass -40° to +50° Celsius Ø 60 x 835 mm Approx.2,700 g
	Electrical data Operating voltage Power consumption Current consumption	24 V _{DC} 24 W 1,000 mA
Tubular Light		
<u> </u>	Type code Lamp type Photometric data Light color Illumination-geometry Angle of radiation	1LE CWN P3101-24W PL18 Cool white approx. 6,300 K Area 40°
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP 67 Rubber cable, wire-end sleeves Extruded aluminum, anodized 1-layer safety glass -40° to +50° Celsius Ø 60x835 mm Approx.2,700 g
	Electrical data Operating voltage Power consumption Current consumption	230 V _{AC} 24 W 110 mA

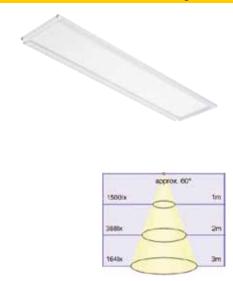
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PL14-300 Sureface-mounted light		
	Type code	PL14-300
	Lamp type	Sureface-mounted light
	Photometric data	
	Light color Angle of radiation	white* approx. 100°
at	Mechanical data Protection level	IP20
sh.	Connection	M8-Connector
_	Housing material	Aluminum
	LED-cover	PMMA
100"	Operating temperature Dimensions	-10° to +40° Celsius 290x23x17 mm
640k 0.6m	Weight	120g
160ix 1m	Electrical data	
	Operating voltage Power consumption	48V _{DC} 7W
40% 2m	Current consumption	140mA
	*Individuell adjustable color temperat	
PL14-600 Sureface-mounted light		
PE14-000 Surelace-mounted light		
	Type code	PL14-600
	Lamp type Photometric data	Sureface-mounted light
	Light color	white*
	Angle of radiation	approx. 100°
	5	
	Mechanical data	
	Protection level	IP20
al	Connection	M8-Connector
	Housing material	Aluminum
	LED-cover Operating temperature	PMMA -10° to +40° Celsius
100*	Dimensions	550x23x17mm
1180/4 0.5m	Weight	250 g
	Electrical data	
29014 1m	Operating voltage	48V _{DC}
	Power consumption	14W
73/s 2m	Current consumption	290mA
	*Individuell adjustable color temperat	ure with Dimmer
PL14-800 Sureface-mounted light		
	Type code	PL14-800
	Lamp type	Sureface-mounted light
	Photometric data	
	Light color	white*
	Angle of radiation	approx. 100°
	Mechanical data Protection level	IP20
	Connection	M8-Connector
	Housing material	Aluminum
	LED-cover	PMMA
100"	Operating temperature Dimensions	-10° to +40° Celsius
16800x 0.5m	Dimensions Weight	810x23x17mm 330g
	mogni	
420k 1m	Electrical data	
\bigcirc	Operating voltage	
1051x 2m	Power consumption Current consumption	20W 400mA
	*Individuell adjustable color temperat	
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PL30-400 Built-in light Type code PL30-400 Lamp type **Built-in light** Photometric data Light color Cool white approx. 6,300K Angle of radiation approx. 80x120° Mechanical data Protection level IP67 M12-Connector Connection Aluminum Housing material LED-cover 1-layer clear safety glass Operating temperature -20° to +50° Celsius 80x120* 420x46x30mm Dimensions 0,5m 12621x Weight 600g Electrical data 3165 1m 24V_{DC} 15W Operating voltage Power consumption 2m 795 620mA Current consumption PL30-800 Built-in light Type code PL30-800 Lamp type Built-in light Photometric data Light color Cool white approx. 6,300K Angle of radiation approx. 80x120° Mechanical data IP67 Protection level Connection M12-Connector Housing material Aluminum 1-layer clear safety glass LED-cover -20° to +50° Celsius Operating temperature 80x120* Dimensions 820x46x30mm 0,5m pprox. 24411x 600g Weight Electrical data approx.6108 tm 24V_{DC} 30W Operating voltage Power consumption 2m approx.1534 Current consumption 1240mA

PL150 Sureface-mounted light



Type code Lamp type Photometric data Light color Angle of radiation PL150 Sureface-mounted light

white* approx. 60°

IP20

Ø8

3kg

Aluminum PMMA

-10° to +40° Celsius

825 x 198 x 31 mm

Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight

Electrical data

 Operating voltage
 48V_{DC}

 Power consumption
 70W

 Current consumption
 1460mA

 *Individuell adjustable color temperature with Dimmer



Display Devices Signal Devices touch.switch.light

Display Devices

Display Device		
	Type code	ML100
	Туре	Door out of order
	Photometric data	
	Background illumination Signal sound	Red No
	Mechanical data Protection level	IP67
	Connection	2 m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
12	Intermediate frame Visual display	Aluminium, powder-coated 1-layer safety glass, back-printed
	Operating temperature	-40° to +80° Celsius
	Dimensions	182 x 104 x 35 mm
	Weight Electrical data	900g
	Operating voltage	24V _{DC}
	Power consumption Current consumption	5 W 200 mA
	Current consumption	200111A
	Pictograph/text	Additional colors upon request
Disalay Davias	потодгари/техт	
Display Device		
	Type code Type	PKM Door out of order
	Photometric data	
	Background illumination	Red No
	Signal sound	NO
	Mechanical data	
	Protection level Connection	IP67 2 m Connection cable, wire-end sleeves
Doce	Mounting ring	PA6GF15
OUT OF	Housing material	PC -40° to +80° Celsius
ORDER	Operating temperature Dimensions	Ø 87 mm
	Weight	100 g
	Electrical data	
	Operating voltage	24V _{DC}
	Power consumption Current consumption	1 W 300mA
	ourient consumption	
	Pictograph/text	Additional colors upon request
Display Device		
Display Device	Type code	ML52
	Туре	WC Display
	Photometric data Background illumination	Green red
	Signal sound	Green, red Piezo
	Mechanical data Protection level	IP67
	Connection	2 m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material Protective cap	PA6GF15 PC
	Operating temperature	-40° to +80° Celsius
	Dimensions Weight	Ø 100mm 210g
1110	Electrical data	
	Operating voltage	$24V_{DC}$ oder $110V_{DC}$
	Power consumption Current consumption	2 W 60 mA
	san sonoumption	
	Pictograph/text	Additional colors upon request
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Display Devices

Diseles Device		
Display Device	Type code	ML52
	Туре	WC-Out of order-display
	Photometric data Background illumination Signal sound	Red Piezo
	Mechanical data Protection level Connection Front cover material Housing material Protective cap Operating temperature Dimensions Weight	IP67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 PC -40° to +80° Celsius Ø 100 mm 210 g
	Electrical data Operating voltage Power consumption Current consumption	24V _{pc} or 110V _{pc} 2W 60mA
	Pictograph/text	Additional colors upon request
Display Device		
	Type code	ML63
	Type Photometric data Background illumination Signal sound	Service display White Piezo
SERVICE	Mechanical data Protection level Connection Front cover material Housing material Protective cap Operating temperature Dimensions Weight	IP67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 1-layer safety glass, back-printed -40° to +80° Celsius Ø 100 mm 260 g
	Electrical data Operating voltage Power consumption Current consumption	24 V _{pc} 2 W 60 mA
	Pictograph/text	Additional colors upon request
Display Device	·	
	Type code Type Photometric data LED display	PKF Filling level display 4-segment display, yellow 12 LEDs illuminated by quarters
	Signal sound Mechanical data Protection level Connection Mounting ring Housing material Operating temperature Dimensions Weight	No IP 67 2m Connection cable, wire-end sleeves PA6GF15 PC -40° to +80° Celsius Ø 87 mm 100 g
	Electrical data Operating voltage Power consumption Current consumption	24 V _{DC} 2 W 60 mA
	Pictograph/text	Additional colors upon request

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Display Devices

Audible Device



Type code Type	WM28 Audible/visual warning alert
Acoustics data Signal sound LED display	Piezo, max. 70 dB Green = Ready to use mode Red = Warning mode
Mechanical data Protection level Connection Mounting ring Housing material Operating temperature Dimensions Weight	IP 67 2 m Connection cable, wire-end sleeves PA6GF15 PC -40° to +80° Celsius Ø 100 mm 80 g
Electrical data Operating voltage Power consumption Current consumption	24V _{pc} 1.5W 50mA

Warning Device





Emergency Device



Type code Type	WM87 Audible alert
Acoustics data Loudspeaker Signal sound	Up to 7 tones and sound sequence, freely programmable Max. 70 dB, adaptable in environments with ambient noise

Mechanical data Protection level Connection Front cover Housing material Operating temperature Dimensions Weight

Electrical data Operating voltage Power consumption Current consumption Max. IP 69K 2 m Connection cable, wire-end sleeves Oval or round V2A, matte shot blasted -40° to +80° Celsius 87 x 100 mm, Ø 87 mm 200 g

 $24\,V_{_{DC}}$ to $110\,V_{_{DC}}$ 2W 60 m A

Type code	GSE101
Туре	Intercom device
Photometric data	
Display window	LEDs background illumination
Sound converter	Dynamic
Signal sound	70dB
Mechanical data	
Protection level	IP40
Connection	Tab connector 6.3x0.8mm
Visual display	Acrylic, back-printed
Housing material	Aluminium die-cast
Housing color	RAL colors, free choice
Push-button	Single pole, normally open
Push-button color	Free color choice
Operating temperature	-30° to +60° Celsius
Dimensions	150x60x90.3mm
Weight	800g
Electrical data	
Operating voltage	24V _{DC}
Power consumption	1 W 50
Current consumption	30mA
Pictograph/text	Additional colors upon request

Signal Light with 2x1 Watt LEDs		
	Type code Lamp type Photometric data Light color Angle of radiation	TL80 Blue Signal light Blue Approx. 120°, diffuse
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2m Connection cable, wire-end sleeves PA6GF15 2-layer safety glass with lighting diffuser -40° to +80° Celsius 120x25x23.5mm 120g
	Electrical data Operating voltage Power consumption Current consumption	24 V _{pc} 2.5 W 100 mA
Signal Light with 2x1 Watt LEDs		
	Type code Lamp type	TL80 Yellow Signal light
	Photometric data Light color Angle of radiation	Yellow Approx. 120°, diffuse
	Mechanical data Protection level Connection Housing material LED-cover Operating temperature Dimensions Weight	IP67 2m Connection cable, wire-end sleeves PA6GF15 2-layer safety glass with lighting diffuser -40° to +80° Celsius 120x25x23.5mm 120g
	Electrical data Operating voltage Power consumption Current consumption	24 V _{oc} 2.5 W 100 mA



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Signal Light with 2x1 Watt LEDs

Signal Light with 2x1 Watt LEDs



Type code TL80 Red Lamp type Signal light Photometric data Light color Red Approx. 120°, diffuse Angle of radiation Mechanical data Protection level IP67 Connection 2m Connection cable, wire-end sleeves PA6GF15 Housing material LED-cover 2-layer safety glass with lighting diffuser Operating temperature -40° to +80° Celsius Dimensions 120x25x23.5mm Weight 120 g Electrical data 24 V_{DC} 2.5 W Operating voltage Power consumption 100 m A Current consumption Type code **TL80 Green** Signal light Lamp type Photometric data Light color Green Approx. 120°, diffuse Angle of radiation Mechanical data IP 67 Protection level Connection 2m Connection cable, wire-end sleeves Housing material PA6GF15 LED-cover 2-layer safety glass with lighting diffuser -40° to +80° Celsius Operating temperature Dimensions 120x25x23.5mm 120g Weight Electrical data Operating voltage 24 V_{DC} 2.5 W Power consumption Current consumption 100 mA

SLE160

0		
	Type code Lamp type	1MB ZRZ A1101-7W Signal light
	Photometric data Light color	Red
	Angle of radiation	Approx. 120°, diffuse
	Mechanical data	
	Protection level Connection	IP 44 AMP Connector
	Housing material LED-cover	PC, UL94-V0 -
	Operating temperature Dimensions	-40° to +60° Celsius 160x56x15mm
	Weight	141 g
	Electrical data Operating voltage Power consumption	24V _{DC} 7W

100 m A

Operating voltage Power consumption Current consumption

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 Protection level	IP67
	Connection	2m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material	Polycarbonate UL94V0
	LED-cover	Special frosted glass
	Operating temperature Dimensions	-40° to +80° Celsius 200x50x55mm
_	Weight	300g
	Electrical data	
	Operating voltage	$24V_{DC}$ to $110V_{DC}$ 2.5W
	Power consumption	
	Current consumption	100 mA at $24 V_{DC}$
Signal Light with 4x1 Watt LEDs		
	Type code	SLE150 Red
	Lamp type	Signal light
	Photometric data	
	Light color	Red
	Angle of radiation	Approx. 120°, diffuse
	Mechanical data	IP67
	Protection level Connection	2m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material	Polycarbonate UL94V0
	LED-cover Operating temperature	Special frosted glass -40° to +80° Celsius
	Dimensions	200x50x55mm
	Weight	300 g
	Electrical data	
	Operating voltage	24V _{DC} to 110V _{DC} 2.5W
	Power consumption Current consumption	2.5 W 100mA at 24V _{DC}
	concemption	
Signal Light with 4x1 Watt LEDs		
	Type code	SLE150 Green
	Lamp type	Signal light
	Photometric data	Groop
	Light color Angle of radiation	Green Approx. 120°, diffuse
	, angle of rudiation	
	Mechanical data	
	Protection level	IP67
	Connection	2m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material LED-cover	Polycarbonate UL94V0 Special frosted glass
	Operating temperature	-40° to +80° Celsius
	Dimensions	200x50x55mm
	Weight	300g
	Electrical data Operating voltage	24.V to 110.V
	Power consumption	24V _{DC} to 110V _{DC} 2.5W
	Current consumption	100 mA at $24V_{DC}$

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2-Color Built-in Light with 4 x 1 Wat	t LEDs - Colors are se	eparately controlled
	Type code Lamp type	SLE150 2-color traffic light Signal light
	Photometric data	Signalingit
	Light color	4 LEDs ex. red, red, white, white
	Angle of radiation	Approx. 120°, diffuse
	Mechanical data	
	Protection level	IP67
	Connection	2 m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material LED-cover	Polycarbonate UL94V0 Special frosted glass
•	Operating temperature	-40° to +80° Celsius
	Dimensions	200x50x55mm
	Weight	300g
	Electrical data	
	Operating voltage	$24V_{DC}$ to $110V_{DC}$
	Power consumption	2.5W
	Current consumption	100 mA at 24 V _{DC}
2-Color Built-in Light with 4 x 1 Wat	t LEDs - Colors are se	eparately controlled
	Type code	SLE150 2-color traffic light
	Lamp type	Signal light
	Photometric data	
	Light color Angle of radiation	4 LEDs ex. red, red, green, green Approx. 120°, diffuse
	Angle of radiation	Approx. 120 , diluse
°		
	Mechanical data	
	Protection level	IP67
	Connection	2 m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material LED-cover	Polycarbonate UL94V0 Special frosted glass
	Operating temperature	-40° to +80° Celsius
	Dimensions	200x50x55mm
	Weight	300 g
	Electrical data	
	Operating voltage	$24V_{DC}$ to $110V_{DC}$
	Power consumption Current consumption	2.5W 100mA at 24V _{DC}
	Current consumption	
2-Color Alternate Built-in Light with	4 x 1 Watt LEDs - Col	ors are separately controlled
	Type code	SLE150 2-color alternate signal light
	Lamp type Photometric data	Signal light
	Light color	4 LEDs ex. red, green, red, green
	Angle of radiation	Approx. 120°, diffuse
	-	
	Machanical data	
	Mechanical data Protection level	IP 67
	Connection	2 m Connection cable, wire-end sleeves
	Front cover material	V2A, matte shot blasted
	Back housing material	Polycarbonate UL94V0
	LED-cover	Special frosted glass
	Operating temperature	-40° to +80° Celsius
		200x50x55mm
	Dimensions Weight	
	Weight Electrical data	300g
	Weight	300 g
	Weight Electrical data Operating voltage Power consumption	300g 24 V _{pc} to 110 V _{pc} 2.5 W
	Weight Electrical data Operating voltage	300g 24 V _{pc} to 110 V _{pc}

2-Color Alternate Built-in Light with	4 x 1 Watt LEDs - Co	lors are separately controlled
	Type codeLamp typePhotometric dataLight colorAngle of radiation	SLE150 2-color alternate signal light Signal light 4 LEDs ex. red, white, red, white Approx. 120°, diffuse
·	Mechanical data Protection level Connection Front cover material Back housing material LED-cover Operating temperature Dimensions Weight Electrical data Operating voltage Power consumption	IP 67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted Polycarbonate UL94V0 Special frosted glass -40° to +80° Celsius 200 \times 50 \times 55 mm 300g 24V _{DC} to 110V _{DC} 2.5W
	Current consumption	100 mA at 24 V _{DC}
Built-in Light with 3 x 1 Watt LEDs		
	Type code Lamp type Photometric data Light color Angle of radiation	SLK63 Red Signal light Red Approx. 120°, diffuse
	Mechanical data Protection level Connection Front cover material Back housing material LED-cover Operating temperature Dimensions Weight	IP67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special glass, frosted and hardened -40° to +80° Celsius Ø 100 mm 280 g
	Electrical data Operating voltage Power consumption Current consumption	260g 24 V _{DC} to 110 V _{DC} 2.5 W 100 mA at 24 V _{DC}
Built-in Light with 3 x 1 Watt LEDs		
	Type code Lamp type Photometric data Light color Angle of radiation	SLK63 Blue Signal light Blue Approx. 120°, diffuse
	Mechanical data Protection level Connection Front cover material Back housing material LED-cover Operating temperature Dimensions Weight Electrical data	IP67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special glass, frosted and hardened -40° to +80° Celsius Ø 100 mm 280 g
	Operating voltage Power consumption Current consumption	$24 V_{DC}$ to $110 V_{DC}$ 2.5W 100 mA at $24 V_{DC}$

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Built-in Light with 3x1 Watt LEDs



Type code Lamp type Photometric data Light color

Angle of radiation

Mechanical data Protection level

Front cover material

Back housing material

Operating temperature

Connection

LED-cover

Dimensions Weight

Electrical data

Operating voltage Power consumption

Mechanical data Protection level

Front cover material

Connection

LED-cover

Dimensions Weight

Electrical data Operating voltage

Power consumption

Current consumption

Current consumption

SLK63 Yellow Signal light

> Yellow Approx. 120°, diffuse

IP67

2m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special glass, frosted and hardened -40° to +80° Celsius Ø 100 mm 280 g

 $24\,V_{_{\rm DC}}$ to $110\,V_{_{\rm DC}}$ 2.5 W 100 mA at 24 V_{DC}

Built-in Light with 3x1 Watt LEDs



Type code Lamp type Photometric data Light color Angle of radiation

Signal light Green

SLK63 Green

Approx. 120°, diffuse

IP67 2m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Back housing material Special glass, frosted and hardened Operating temperature -40° to +80° Celsius Ø 100 mm 280 g

 $24\,V_{_{\rm DC}}$ to $110\,V_{_{\rm DC}}$ 2.5 W 100 mA at 24 V_{DC}

Built-in Light with 3x1 Watt LEDs

Type code Lamp type Photometric data Light color Angle of radiation

SLE63 Red Signal light

Red Approx. 120°, diffuse



Mechanical data

Protection level Connection Front cover material Back housing material LED-cover Operating temperature Dimensions Weight Electrical data Operating voltage Power consumption Current consumption

IP 67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special frosted glass -40° to +80° Celsius Ø 100 mm 280 g

 $24\,V_{_{\rm DC}}$ to $110\,V_{_{\rm DC}}$ 2.5 W 100 mA at 24 V_{DC}

Built-in Light with 3 x 1 Watt LEDs



Built-in Light with 3x1 Watt LEDs

Type codeLamp typePhotometric dataLight colorAngle of radiation

Mechanical data Protection level

Front cover material

Back housing material

Operating temperature

Connection

LED-cover

Dimensions Weight

Electrical data

Operating voltage Power consumption

Current consumption

SLE63 Blue Signal light

Blue Approx. 120°, diffuse

IP 67 2m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special frosted glass -40° to +80° Celsius Ø 100mm 280g

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 $24V_{DC}$ to $110V_{DC}$ 2.5W 100 mA at $24V_{DC}$

Type codeLamp typePhotometric dataLight colorAngle of radiation

SLE63 Yellow Signal light

Yellow Approx. 120°, diffuse

Mechanical data Protection level Connection Front cover material Back housing material LED-cover Operating temperature Dimensions Weight Electrical data Operating voltage Power consumption Current consumption

IP 67 2 m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special frosted glass -40° to +80° Celsius Ø 100 mm 280 g

 $24\,V_{_{\rm DC}}$ to $110\,V_{_{\rm DC}}$ 2.5 W 100 mA at $24\,V_{_{\rm DC}}$

Built-in Light with 3 x 1 Watt LEDs

Type code Lamp type Photometric data Light color Angle of radiation

SLE63 Green Signal light

Green Approx. 120°, diffuse



Mechanical data Protection level

Connection Front cover material Back housing material LED-cover Operating temperature Dimensions Weight Electrical data Operating voltage Power consumption Current consumption

IP67 2m Connection cable, wire-end sleeves V2A, matte shot blasted PA6GF15 Special frosted glass -40° to +80° Celsius Ø 100mm 280g

24V_{DC} to 110V_{DC} 2.5W 100mA at 24V_{DC}

Built-in Light		
	Type code	SM22
	Lamp type	Signal light
	Photometric data	
	Light color	Red
	Mechanical data	
	Protection level	IP67 Front side
	Connection	Screw terminal to 1.5 mm ²
	Reflector	Aluminum, chrome-plated
	Housing material	Plastic, PA6.6 gray-white
U.S. C.	Nut O Ding	Aluminium, M22x1
THE FLEXA	O-Ring	NBR, \emptyset 22 x 1.5
	Operating temperature Dimensions	-40° to +70° Celsius Ø 30mm
	Mounting hole	Ø 22 mm
	Weight	27g
	Electrical data	
	Operating voltage	$24V_{DC}$, $110V_{DC}$, $230V_{AC}$
	Power consumption	0.5W
	Current consumption	15mA at 24V _{DC}
Built-in Light		
	Type code	SM22
	Lamp type	Signal light
	Photometric data	
	Light color	Yellow
	Mechanical data	
	Protection level	IP67 Front side
	Connection	Screw terminal to 1.5 mm ²
	Reflector	Aluminum, chrome-plated
	Housing material	Plastic, PA6.6 gray-white
	Nut	Aluminium, M22x1
AND THE REPORT	O-Ring	NBR, Ø22x1.5
	Operating temperature	-40° to +70° Celsius
-	Dimensions Mounting hole	Ø 30 mm Ø 22 mm
	Mounting hole Weight	27g
	Electrical data	-' y
	Operating voltage	$24V_{DC}, 110V_{DC}, 230V_{AC}$
	Power consumption	0.5W
	Current consumption	15mA at 24V _{DC}
Built-in Light		
	Type code	SM22
	Lamp type	Signal light
	Photometric data	
	Light color	Blue
	Mechanical data	
	Protection level	IP67 Front side
	Connection	Screw terminal to 1.5 mm ²
	Reflector	Aluminum, chrome-plated
	Housing material	Plastic, PA6.6 gray-white
	Nut	Aluminum, M22x1
A A A A A A A A A A A A A A A A A A A	O-Ring	NBR, Ø22x1.5
	Operating temperature Dimensions	-40° to +70° Celsius Ø 30 mm
1000	Mounting hole	Ø 22 mm
	Weight	27g
	Electrical data	219

Electrical data Operating voltage Power consumption

Current consumption

Built-in Light Type code Displayed and Signal light SM22 Signal light Image: Signal Light Green Image: Signal Light For Fort side Image: Signal Light Forter Signal Light Image: Signal Light Forter Signal Ligh	Type code Photometric data Light color SN22 Signal light Wechanical data Number of the second Photometric data Light color Groon Wechanical data Number of the second Reflector Part Front side Second training of the second Automum, decom-planed Automum, decom-planed Automum, decom-planed Photometric data Departing of the second Reflector Parts Prof. Post Second Parts Photometric data Second training of the second Automum, decom-planed Automum,			
Lamp type Signal light Herbanical data Green Wechanical data PF7 Front side Connection Sorew terminal to 1.5mm² Residential well PR7 Front side Connection Sorew terminal to 1.5mm² Number of the second	Lamp type Bignal light Light color Green Light color Green Mechanical data PG7 Front side Connection Sorew terminal to 1.5mm² Connection Sorew terminal to 1.5mm² Connection Borew terminal to 1.5mm² Hetchanical data PG7 Front side Connection Borew terminal to 1.5mm² Hetchanical data PG7 Front side Or-ling MBR, 822x15 Or-ling MBR, 822x15 Or-ling MBR, 822x15 Or-ling Or-ling Weight 72 Power consumption 0.5W Connection Signal light Musting himportature 24 V ₁₀₀ , 110 V ₁₀₀ , 220 V ₁₀₀ Or-ling Signal light Musting himportature Signal light Musting himportature Signal light Musting himportature Signal light Mechanical data Port Front side Connection Tab connector, 28.0.5mm Hetchanical data Power consumption Orenition trait Poortatical data Portion traited Poortatical data Orenition Poortatical data Orenition Signal light Musting himpo	Built-in Light		
Photometric data gift color Green Wethanical data Protection level Green Connection Server terminal to 15mm ¹ Auminum, chrome-plated National statistics Personal statistics Connection Auminum, chrome-plated National statistics Operating synthestrute Auminum, Chrome-plated Auminum, Chrome-plated National synthestrute -40 To +70 Celsius Operating synthestrute -40 To +70 Celsius Operating synthestrute -40 To +70 Celsius Operating voltage 24 Vg., 110 Vg., 230 Vg. Operating voltage Signal light Photometric data Operating voltage Signal light Photometric data Depending voltage Signal light Num Protection Ivoil Red Wether Protection Ivoil Protection Ivoil Protection Ivoil Protection Ivoil <td< th=""><th>Photometric data light color Green Webstenical data Protection level Green Webstenical data Connection BP7 Front side Sconection Net Auminum, Chromo-pialad Housing material Devel column Built-in Light Image 22x15 Devel column Built-in Light Image 22x15 Devel column Built-in Light Image 22x15 Devel column Weight color Signal light Photometric data Devel column Signal light Net column Protection Autor Net column Signal light Protection and tata Protection Autor Protection and tata Protection Autor Net column Protection and tata Protection Autor Protection and tata Protection Autor Potential data Protection and tata Protection and tata Protecti</th><th></th><th></th><th></th></td<>	Photometric data light color Green Webstenical data Protection level Green Webstenical data Connection BP7 Front side Sconection Net Auminum, Chromo-pialad Housing material Devel column Built-in Light Image 22x15 Devel column Built-in Light Image 22x15 Devel column Built-in Light Image 22x15 Devel column Weight color Signal light Photometric data Devel column Signal light Net column Protection Autor Net column Signal light Protection and tata Protection Autor Protection and tata Protection Autor Net column Protection and tata Protection Autor Protection and tata Protection Autor Potential data Protection and tata Protection and tata Protecti			
Image: Section level Point is and it is it	Image: Section level Point in the section level Point in the section level Connection Screw terminal to 1.5 mm ⁻² Connection Auminium, chromo-plated Herein Auminium, chromo-plated Operating temperature Joinnaisens Operating temperature 24 Vgr 10 Vgr 220 Vgr Operating voltage 24 Vgr 10 Vgr 230 Vgr Protection level 24 Vgr 10 Vgr 230 Vgr Current consumption Signal light Photometric data Imp type Signal light Photometric data Photometric data PB7 Front side Potention of the section level Red Mechanical data PB7 Front side Potention of the section level Red Mechanical data PB7 Front side Potention of the section level PB7 Front side Operating voltage PB7 Front side Potention level PB7 Front side Operating voltage PB7 Front side Operating voltage			Signal light
Protection level PPF Front side Connection Screek terminal to 1.5 mm ² Reflector Auminum, chrome-piated Nati Plastic-RAB gray-white Nati Auminum, chrome-piated Nati Operating spin-perature -40° to +70° Celoius Built-in Light Signal light Built-in Light Type code Signal light Protection light color Protection light color Protection light color Protection light color Nation colspan="2">Auminum, chrome-piated Mechanical data Protection light color Protection light color Nation colspan="2">Auminum, chrome-piated Mechanical data Protection light color Protection light color Protection light color Protection light color National protection light color National protection light color Protec	Protection level Devote the level Serve terminal to 1.5 mm ² Refector Auminum, chrome-plated Nati Post-School Refector Nati Auminum, chrome-plated Operating inperature -40° to +70° Celsius Operating voltage 24° w ₂₁ , 110° w ₂₂ , 230° w ₂₂ Built-in Light Type code Signal light Bignal light Photometric data Bignal light Photometric data Protection Tab connector, 28×0.8 mm Auminum, chrome-plated Mechanical data Protection Issuel Connector Auminum, chrome-plated Protection tabe Operating temperature -40° to +70° Celsius Photometric data Protector light color Nati Post-Postone Sellin Industria Plate Connector, 28×0.8 mm Auminum, chrome-plated Power consumption Operating temperature -40° to +70° Calsius Operating voltage 24° w ₂₁ , 110° w ₂₁ , 230° w ₂₂ Operating voltage 24° w ₂₁ Exitin Light		Light color	Green
Protection level PPF Front side Connection Screw terminal to 1.5 mm ² Reflector Auminum, chrome-piated Nati Plastic-RAG grav-white Nati Auminum, M2211 Operating in perture -40° to +70° Celsus Operating in perture 27 gr Built-in Light Type code Signal light Signal light Photometric data Red Photometric data Red Photometric data Pertocolon Photometric data Pertocolon Photometric data Pertocolon Photometric data Pertocolon Nut Pertocolon	Protection level DPG From side Connection Scrow terminal to 1.5 mm ² Refector Auminum, chrome-plated Nati Postic, PAG gray-white Nati Auminum, chrome-plated Operating imparture -40° to +70° Celoius Parture -40° to +70° Celoius Operating voltage 24° wei, 110° wei, 230° wei Operating voltage Signal light Protection table Signal light Protection table Signal light Photometric data Protection table Operating to mparture -40° to +70° Celoius Protection table Signal light Photometric data Protection table Operating to mparture -40° to +70° Celoius Protection table Connector, 24x0.8mm Relector Table color Nati Postower consumption Operating tomparture -40° to +70° Celoius Operating tomparture -40° to +70° Calaius Operating tomparture -40° to +70° Calaius Operating tomparture -40° to +70° Calaius Operating			
Selector Screw terminate 1: 15-mm² Reflector Auminum, chorne-pitted Housing material Plastic, PA6.5 gray-white Nat Auminum, Chorne-pitted Operating temperature 0.70 to 7.07 Celsius Dimensions 0.30 mm Operating temperature 0.70 to 7.07 Celsius Dimensions 0.30 mm Operating voltage 2.7 grain Built-in Light Type code Signal light Photometric data Light color Red Mechanical data Proceeding temperature Protocolin level Red Mechanical data Protocolin level Operating voltage Red Mechanical data Protocolin level Protocolin level Red Mechanical data Protocolin level Protocolin level Auminum, chorne-plated Mounting hole 0.30 mm Very 0.54 mm Belitt-in Light IP of color Sealing ring NBR70 Operating voltage Signal light Photometric data Power color Disperating temperature -04 to 70° Celsius Operating voltage Signal light Photometric data Power coler	Source testion Screw terminate 1: 15 mm² Reflector Auminum, chorne-plated Housing material Plastic, PA65 gray-white Nat Auminum, Chorne-plated Operating temperature 0 to r.70° Celsius Dimensions 0 30 mm Operating temperature 0 to r.70° Celsius Dimensions 0 30 mm Operating temperature 0 to r.70° Celsius Dimensions 0 30 mm Operating voltage 2 Vg., 110 Vg., 200 Vg. Operating voltage 2 Vg., 110 Vg., 200 Vg. Power consumption 0 SW Connection Type code Signal light Photometric data Light color Red Mechanical data IP87 Front side Connection Tab connector, 20×0.0 mm Operating voltage more NBR70 Operating voltage more NBR70 Operating voltage more 0 SM30 Stability in the otor NBR70 Nut Picketor of the otor Nut Picketor Mounting hole 23 omm Power consumption 24 Vg., 100 vg. Operating temperature 0 40 stress Disperating temperature 0 40 stress Disperating voltage 20 V			IP67 Front side
Housing material Plastic, PA86 gray-while Nit Auminium, M22.31 O-Ring NSR, 022.115 Operating temperature -0.70 Celsius Dimensions 0.30 mm Weight 2.7 g Electrical data Operating winage Operating temperature -0.70 celsius Weight 2.7 g Electrical data Operating winage Operating temperature -0.70 celsius Diver consumption 0.5 M at 24V _{bc} . Built-in Light Type code Signal light Photometric data Info temperature -0.70 celsius Signal light Photometric data Info temperature -0.70 celsius Dimensions 0.30 mm Control to cell P67 Front side Protection level -0.70 control to 2.8 0.0 mm Control to cell P67 Front side Operating temperature -0.40 to -70 ° Celsius Dimensions 0.30 mm Mouting hole 0.30 mm Mechanical data -0.40 to -70 ° Celsius Operating temperature -0.40 to -70 ° Celsius Operating temperature -0.40 to -70 ° Celsius Operating temperature -0.40 to -70 ° Celsius Dimensions<	Housing material Plastic, PA68 gray-white Net Aution O-Ring NBR, 022x11 O-Ring induction NBR, 022x11 Orerating temperature 0.70 Celsius Dimensions 0.23 mm Weight 2.7 g Electrical data Operating temperature Operating voltage 24 V.g., 110 V.g., 230 V.g. Power consumption 1.5 m Åt 12 4V.g. Euilt-in Light Type code SM30 Lamp type Signal light Photometric data Protein particle Protein particle Protein particle Red Protein particle Auminum, chrome-plated Protein particle 24 V.g., 110 V.g., 230 V.g. Sealing ring NBR70 Operating temperature -0.6 v.r 07 Celsius Dimensions 2.3 mm Weight 40 g Electrical data 24 V.g., 110 V.g., 230 V.g. Operating temperature 0.3 mm Mounting hole 0.3 mm Operating temperature 0.5 M at 24 V.g. Outring hole 0.3 mm Operating voltage 24 V.g., 110 V.g., 230 V.g. Operating voltage 24 V.g., 110 V.g., 230 V.g. Operating voltage 24 V.g., 110 V.g			Screw terminal to 1.5 mm ²
Nut Auminium, M22 is O-Ring Net Re 22X15 Operating tomperature -40° to -70° Cabius Operating voltage 0.22 mm Power consumption 0.23 mm Outrent consumption 0.23 mm Current consumption 0.36 mm Operating voltage 24 v.g., 110 V.g., 230 V.g. Power consumption 0.36 mm Current consumption 0.36 mm Power consumption 0.36 mm Power consumption 1167 Front side Connection Type code Signal light Photometric data Light color Red Mechanical data Protection level Protection 1167 Front side Connection Tab connector, 28.0.8 mm Power consumption 0.34 mm Power consumption 1.54 mm Power consumption 1.54 mm Power consumption 2.54 mm </th <th>Nut Aluminium, M22x1 O-Pring NBR 022X15 Operating temperature -40*to -70* Cabius Dimensions 0.30 mm Mounting hole 0.22 mm Operating voltage 0.5W Down all 24 V_{bo} 10 V_{bo} Dimensions 0.5W Dimensions 1166 Front side Connection Tab connector, 28.0.8mm Power consumption 0.3mm Dimensions 0.3mm Vit Power consumption Dimensions 0.3mm Nut Power consumption Dimensions 0.3mm Dimensions 0.3mm Vit Power consumption Dimensions 0.3mm Nut Power consumption Dimensions 0.3Min Dimensions</th> <th></th> <th></th> <th></th>	Nut Aluminium, M22x1 O-Pring NBR 022X15 Operating temperature -40*to -70* Cabius Dimensions 0.30 mm Mounting hole 0.22 mm Operating voltage 0.5W Down all 24 V _{bo} 10 V _{bo} Dimensions 0.5W Dimensions 1166 Front side Connection Tab connector, 28.0.8mm Power consumption 0.3mm Dimensions 0.3mm Vit Power consumption Dimensions 0.3mm Nut Power consumption Dimensions 0.3mm Dimensions 0.3mm Vit Power consumption Dimensions 0.3mm Nut Power consumption Dimensions 0.3Min Dimensions			
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Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions 03 mm Mounting hole 030 mm Weight 40 g Electrical data Operating voltage Operating voltage 24 V _{pc} , 110 V _{pc} , 230 V _{AC} Power consumption 0.5 W Current consumption 0.5 Miso Built-in Light Type code SM30 Built-in Light Vechanical data Photometric data Signal light Photometric data Light color Yellow Vechanical data Protection level IP67 Front side Connection Tab connector, 2.8 x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring MBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g	Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions 034 mm Mounting hole 030mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{pc} , 110V _{pc} , 230V _{AC} Power consumption 0.5W Current consumption 20mA at 24V _{pc} Built-in Light Type code SM30 Euctrical data Signal light Photometric data Light color Verotion level IP67 Front side Connection level Pof Front side Connection level Plast polyce, 280.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30×1.5 Sealing ring 034 mm Mounting hole 930 mm Weight 40g		-	
Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24 V _{pc} , 110 V _{pc} , 230 V _{AC} Power consumption 0.5 W Current consumption 2.5 W Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Vellow Wechanical data Protection level IP 67 Front side Connection Tab connector, 2.8 x 0.8 mm Reflector Aluminum, chrome-plated Housing material Plattor PC, M30 x 1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 30 mm Weight 40g Electrical data Coperating voltage Operating voltage 24 V _{pc} , 110 V _{pc} , 230 V _{pc} Operating voltage 24 V _{pc} , 110 V _{pc} , 230 V _{pc}	Dimensions 0.34 mm Mounting hole 0.30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{cc} , 110V _{cc} , 230V _{AC} Power consumption 0.5W Current consumption 2.5W Built-in Light Type code SM:30 Lamp type Signal light Photometric data Light color Vellow Vellow Mechanical data Protection level Connection Tab connector, 2.8x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastonector Nut PC, M30x1.5 Sealing ring NBR70 Operating voltage 0.30mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{cc} , 110V _{cc} , 230V _{AC} Operating voltage 24V _{cc} , 10V _{cc} , 230V _{AC}		Sealing ring	NBR70
Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Power consumption 0.5W Current consumption 0.5W Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Vellow Yellow Vertical data Yellow	Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Power consumption 0.5W Current consumption 0.5W Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Vellow Yellow Mechanical data Yellow Protection level IP67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40' to +70° Celsius Dimensions 0 30 mm Weight 40g Electrical data Operating voltage Power consumption 0.5W	1. Sec. 1		
Electrical data Operating voltage $24V_{pc}$, $110V_{pc}$, $230V_{ac}$ Power consumption $0.5W$ Current consumption $20mA$ at $24V_{pc}$ Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Vellow Vellow Wechanical data Protection level Protection level IP67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring 0.84mm Mounting hole 0.34mm Mounting hole 0.30mm Weight 40g	Electrical data Operating voltage $24V_{pc}$, $110V_{pc}$, $230V_{AC}$ Operating voltage $24V_{pc}$, $110V_{pc}$, $230V_{AC}$ Current consumption 20 mA at $24V_{pc}$ Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Vellow Vellow Wechanical data Protection level Connection Tab connector, $2.8 \times 0.8 \text{mm}$ Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, according to light color Nut Poperating rung Operating temperature -40° to +70° Celsius Dimensions 0 34 mm Weight 40g Electrical data Og Power consumption 0.5W		Mounting hole	Ø 30 mm
Power consumption 0.5 W Current consumption 20mA at 24 V _{DC} Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Yellow Mechanical data Protection level IP67 Front side Connection Tab connector, 2.8 x 0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30 x 1.5 Sealing ring NBR70 Operating temperature -40° to + 70° Celsius Dimensions 0 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC}	Power consumption 0.5 W Current consumption 20mA at 24 V _{DC} Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Yellow Mechanical data P67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions 034mm Weight 40g Electrical data Operating voltage Power consumption 0.5W	-		40g
Current consumption 20mA at 24V _{bc} Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Light color Yellow Mechanical data Yellow Protection level IP67 Front side Connection Tab connector, 2.8x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34mm Mounting hole Ø 30mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{pc} , 110V _{pc} , 230V _{AC} Operating voltage 24V _{pc} , 110V _{pc} , 230V _{AC}	Current consumption 20mA at 24V _{pc} Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Light color Yellow Wechanical data Vellow Protection level IP67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut Pc, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{pc} , 110V _{pc} , 230V _{Ac}			$24V_{DC}$, $110V_{DC}$, $230V_{AC}$
Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Yellow Mechanical data Protection level IP67 Front side Connection Tab connector, 2.8×0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30×1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{pc} , 110V _{pc} , 230V _{Ac}	Built-in Light Type code SM30 Lamp type Signal light Photometric data Light color Yellow Mechanical data Protection level IP67 Front side Connection Tab connector, 2.8×0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30×1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{pc} , 110V _{pc} , 230V _{AC} Power consumption 0.5W			
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Lamp type Signal light Photometric data Light color Yellow Mechanical data Protection level IP 67 Front side Connection Tab connector, 2.8 x 0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30 x 1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5W	Lamp type Signal light Photometric data Light color Light color Yellow Mechanical data Protection level Protection level IP 67 Front side Connection Tab connector, 2.8x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W	Built-in Light		
Photometric data Light color Yellow Mechanical data Protection level IP 67 Front side Connection Tab connector, 2.8x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{pc} , 110V _{pc} , 230V _{Ac} Power consumption 0.5W	Photometric data Light color Yellow Mechanical data Protection level IP 67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5 W			
Wechanical data Protection level IP 67 Front side Connection Tab connector, 2.8 x 0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x 1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W	Mechanical data Protection level IP67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W			Signal light
Protection level IP67 Front side Connection Tab connector, 2.8x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Coperating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W	Protection level IP 67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5W		Light color	Yellow
Protection level IP 67 Front side Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage 24 V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W	Protection level IP 67 Front side Connection Tab connector, 2.8 x 0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30 x 1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W			
Connection Tab connector, 2.8x0.8mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 30 mm Weight 40 g Electrical data Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5W	Connection Tab connector, 2.8x0.8 mm Reflector Aluminum, chrome-plated Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W			IP67 Front side
Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W	Housing material Plastic PC, according to light color Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W		Connection	Tab connector, 2.8x0.8mm
Nut PC, M30x1.5 Sealing ring NBR70 Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage Operating voltage 24V _{DC} , 110V _{DC} , 230V _{AC} Power consumption 0.5W	NutPC, M30x1.5Sealing ringNBR70Operating temperature-40° to +70° CelsiusDimensionsØ 34 mmMounting holeØ 30 mmWeight40 gElectrical dataOperating voltage24 V DC, 110 V DC, 230 V ACPower consumption0.5 W			Plastic PC, according to light color
Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W	Operating temperature -40° to +70° Celsius Dimensions Ø 34 mm Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W		Nut	PC, M30x1.5
Mounting hole Ø 30 mm Weight 40 g Electrical data Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W	Mounting hole Ø 30 mm Weight 40g Electrical data Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W		Operating temperature	-40° to +70° Celsius
Weight 40g Electrical data Operating voltage 24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption 0.5 W	Weight40gElectrical dataOperating voltage24 V _{DC} , 110 V _{DC} , 230 V _{AC} Power consumption0.5 W	1		
Operating voltage $24 V_{DC}$, $110 V_{DC}$, $230 V_{AC}$ Power consumption $0.5 W$	Operating voltage $24 V_{DC}$, $110 V_{DC}$, $230 V_{AC}$ Power consumption $0.5 W$		Weight	
Power consumption 0.5W	Power consumption 0.5W			24 V 110 V 230 V
	Current consumption 20 mA at 24 V _{DC}		Power consumption	0.5W
Current consumption 20 mA at 24 V _{DC}			Current consumption	20mA at 24 V _{DC}

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Type code Lamp type Photometric data Light color	SM30 Signal light Blue
Mechanical data Protection level Connection Reflector Housing material Nut Sealing ring Operating temperature Dimensions Mounting hole Weight Electrical data Operating voltage Power consumption Current consumption	IP 67 Front side Tab connector, 2.8x0.8mm Aluminum, chrome-plated Plastic PC, according to light color PC, M30x1.5 NBR70 -40° to $\pm 70°$ Celsius Ø 34mm Ø 30mm 40g $24V_{pc}$, 110 V_{pc} , 230 V_{AC} 0.5W 20mA at 24 V_{pc}
Type code Lamp type Photometric data Light color	SM30 Signal light Green
Mechanical data Protection level Connection Reflector Housing material Nut Sealing ring Operating temperature Dimensions Mounting hole Weight Electrical data Operating voltage Power consumption	IP 67 Front side Tab connector, 2.8×0.8 mm Aluminum, chrome-plated Plastic PC, according to light color PC, M30 x 1.5 NBR70 -40° to +70° Celsius Ø 34 mm Ø 30 mm 40g $24 V_{DC}$, $110 V_{DC}$, $230 V_{AC}$ 0.5W
	Lamp type Photometric data Light color Mechanical data Protection level Connection Reflector Housing material Nut Sealing ring Operating temperature Dimensions Mounting hole Weight Electrical data Operating voltage Power consumption Current consumption Current consumption Mechanical data Protection level Connection Reflector Housing material Nut Sealing ring Operating temperature Dimensions Mounting hole Weight Electrical data Protection level Connection Reflector Housing material Nut Sealing ring Operating temperature Dimensions Mounting hole Weight Electrical data





APPLICATIONS OF OUR LED LIGHTS



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ESCHA TSL GmbH Elberfelder Str. 1 . 58553 Halver . Germany Sales Phone: +49 2353 66796 - 0 Fax: +49 2353 66796 - 799 info@escha-tsl.com . www.escha-tsl.com