

PRODUCT CATALOGUE 24V



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Aspöck Systems

Aspöck Systems – we bring light to the road

At Aspöck Systems we have made it our business to design, develop and build the best possible total solutions for Europe's vehicle manufacturers. And here we mean the complete range of vehicles.

Individual systems - Satisfied customers. Since their inception in 1977, Aspöck Systems GmbH has focused on a philosophy that has made it one of today's leading producers of lighting systems for the vehicle industry: developing custom-tailored solutions for each individual customer. This is the flexibility that has become the successful trademark of Aspöck Systems.

Innovative products. We see it as our obligation to make our entire range of cable and light systems compatible with the state-of-the-art, and play a pioneering role in setting new standards. We apply waterproof cables, connection systems and LED lighting to every field of application.

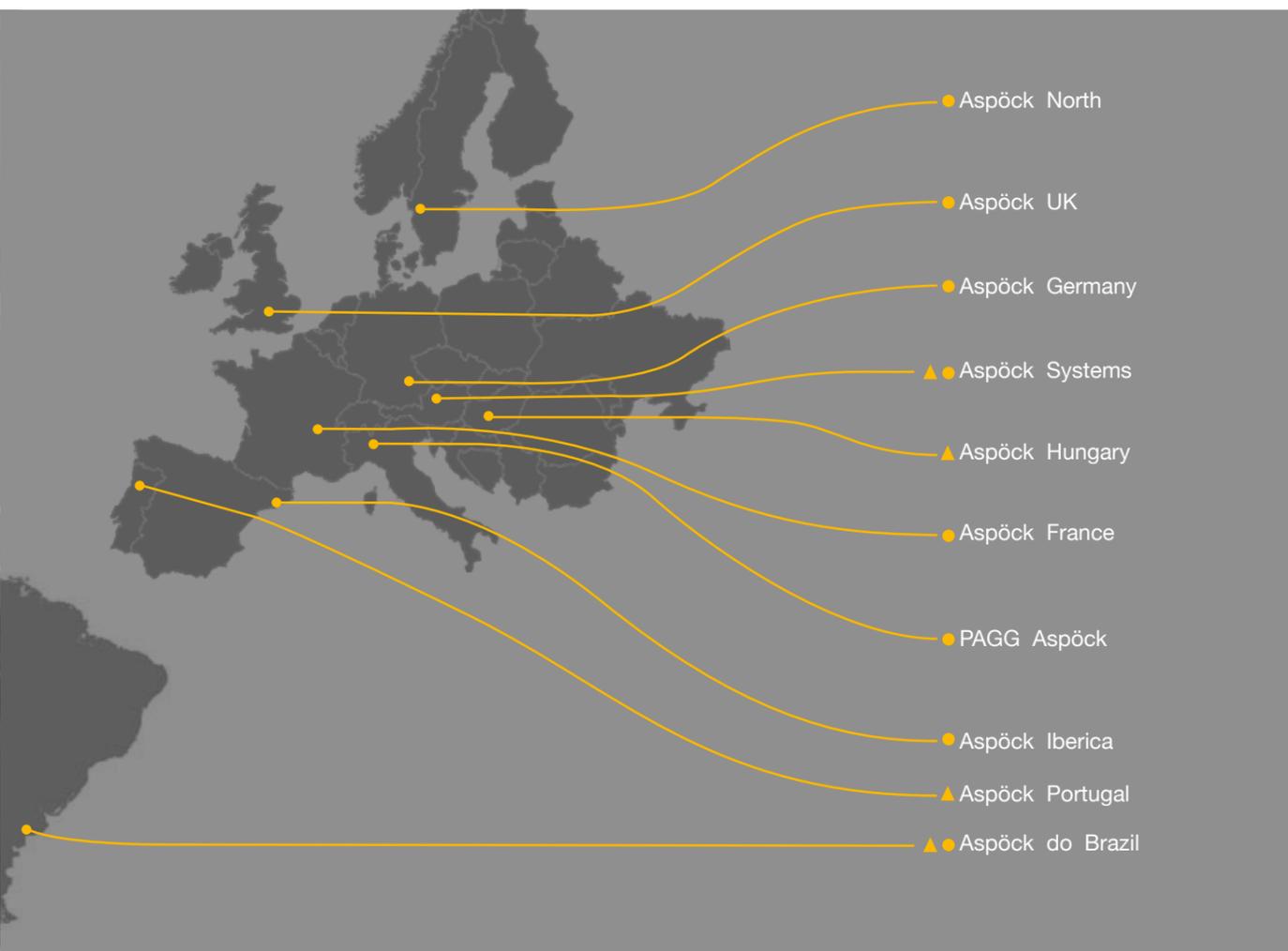
Continuous growth. Our headquarters in Peuerbach, Upper Austria has undergone continuous expansion in the production, storage and management sectors. Every year we invest in new production facilities, testing equipment and development systems to remain at the cutting edge of technology. At the same time we promote the further education and training of our employees, so that they always have the right answer when confronted with difficult questions, such as specific legislation issues.



Aspöck Systems GmbH

Subsidiaries.

A perfectly organised sales and service network throughout Europe guarantees short delivery times and a high degree of technical expertise. Many of the sales and service centres are our own subsidiaries, or those of sales partners.



● Sales
▲ Production

Milestones

'77

Aspöck company founded as manufacturer of lighting systems for agricultural vehicles.

'81

First production workshop opens in Peuerbach

'82

First Aspöck connector system developed; new customers: car trailer manufacturers

'88

Aspöck Germany opens

'91

New customers: caravan manufacturers

'92

New customers: truck trailer manufacturers

'96

First Aspöck „Multipoint“ light produced

'97

New customers: bicycle carrier rack manufacturers

Aspöck Iberica opens
Trailer Lite opens

'99

Aspöck UK opens
Aspöck France opens
Aspöck do Brazil opens

'01

Partnership
PAGG Aspöck

'03

Introduce moulding technology to connector systems

'04

Aspöck Norden opens
New customers: truck manufacturers

'05

Aspöck Hungary opens
New customers: car manufacturers

'06

New customers: motorcycle manufacturers
take-over Fabrilcar

'07

Renaming Fabrilcar as Aspöck Portugal

'08

Quality for a
successful partnership.



Aspöck cable systems

Aspöck cable systems consists of 2-, 3-, 7- and 17-pin connectors and sockets. Each cable system is available to match every 24 V trailer. Aspöck connector systems enable all components to be connected up easily. All plug/socket units are moulded and approved to protection class IP69K (waterproof against spray water and when submerged in water).

2-pin ASS1 plug



The 2-pin ASS1 plug and socket housing enable connections to be made quickly for systems such as: position lights, side lights and outline lights as well as additional functions requiring a 2-pin connection.

2-pin ASS2 plug



The 2-pin ASS2 plug is a further development of the 2-pin ASS1 plug – the advantage is an additional bayonet connection. This system enables connections to be made quickly and reliably for systems such as: position lights, side lights and outline lights as well as additional functions requiring a 2-pin connection.

3-pin ASS3 plug



Thanks to its small diameter, the 3-pin ASS3 plug offers speed and flexibility during installation. The ASS3 can also be used for 3-pin additional functions.

7-pin ASS2 plug



Aspöck rear lights are linked to the Aspöck connection system using this 7-pin plug. The 7-pin plug and moulded housing can also be used for other additional functions.

17-pin ASS3 plug



The 17-pin plug and moulded housing are used to connect front-end power supply, main cable and rear cable system as well as linking up to an additional distributor.

Press & Ready system (P&R)

The P&R cable system offers an additional method of establishing contacts quickly and easily for vehicle installations. All Aspöck single-function lights can be equipped and connected using the P&R System. The cables can be supplied in different lengths to match each application. These lights can be mounted at any point on a 2-core flat cable and have already been function tested. Because each individual conductor features a silicon seal, the system is completely waterproof and can even be used for hazard goods transport applications (ADR).



ARTICLE LIST

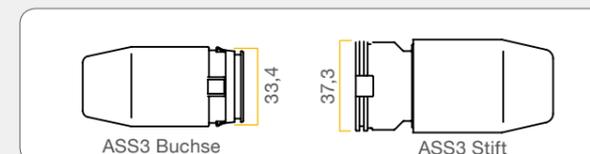
	DESCRIPTION	ORDER NUMBER
	P&R-tool/plier	10-W100-517
	cap for P&R connector	15-5971-007

Connector Service Set

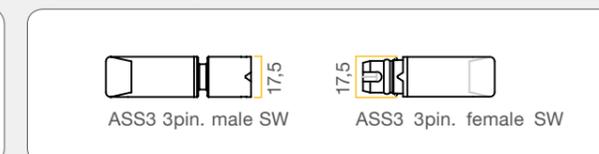
Aspöck 2-, 3-, 7- and 17-pin service and spares sets are available for integrating customer-specific lights or assemblies into the Aspöck connection system and retrofitting Aspöck components.

Dimensions of various types of connector

17 pol. ASS3 / 17 pin. ASS3



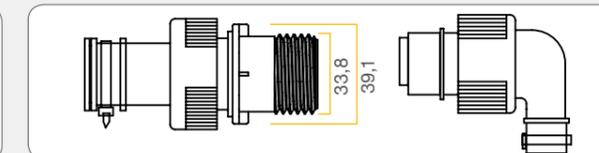
3 pol. ASS3 / 3 pin. ASS3



7 pol. ASS2 / 7 pin ASS2



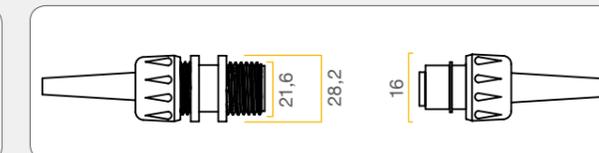
7 pol. ASS1 / 7 pin ASS1



2 pol. ASS2 / 2 pin ASS2



2 pol. ASS1 / 2 pin ASS1



P&R System

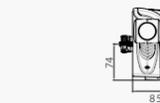
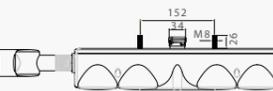
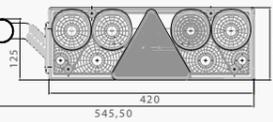
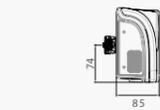
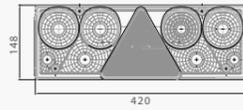


24V Lamps



EUROPOINT II

WITH 7 PIN ASS2 CONNECTOR



SPARE PARTS



GENERAL DESCRIPTION

- unique clear glass design
- with and without number plate light to the side or to the bottom
- two bulbs for stop and tail light
- available with all functions in LED
- option of 4 additional 2pin connectors of the rear side of the lamp for extra functions
- only one spare lens for left and right
- integrated side marker lamp

DESCRIPTION

DESCRIPTION		PART NO
left	132 / 11	25-6000-507
left with number plate light	132 / 11	25-6001-507
right	132 / 11	25-6400-507
right with number plate light	132 / 11	25-6401-507
left with additional 4 pieces 2 pin connections		25-6200-507
right with additional 4 pieces 2pin connections	132 / 11	25-6600-507
left with additional 4 pieces 2 pin connections and number plate light	132 / 11	25-6201-507
right with additional 4 pieces 2 pin connections and number plate light	132 / 11	25-6601-507
left with end outline marker b/w	108 / 9	25-6010-517
right with end outline marker b/w	108 / 9	25-6410-517
left with end outline marker r/w	108 / 9	25-6011-517
right with end outline marker r/w	108 / 9	25-6411-517

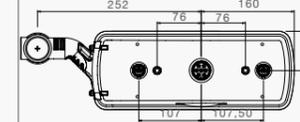
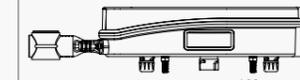
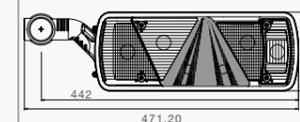
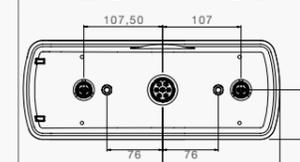
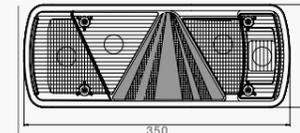
DESCRIPTION

DESCRIPTION		PART NO
Europoint II left as spare part		25-6000-501
Europoint II right as spare part		25-6400-501
EP II left with additional 4 pieces 2pin connections as spare part		25-6200-501
EP II right with additional 4 pieces 2pin connections as spare part		25-6600-501
left with end outline marker r/w as spare part		25-6011-511
right with end outline marker r/w as spare part		25-6411-511
lens Europoint II		18-8560-002
lens end outline marker r/w		18-8141-007
lens end outline marker b/w		18-8141-017
end outline marker left r/w		31-3305-067
end outline marker left b/w		31-3305-077
end outline marker right r/w		31-3306-067
end outline marker right b/w		31-3306-077
orange bulb for direction indicator		16-6321-607
bulb for end outline marker 24V 4W		16-6304-007
bulb 24V 10W		16-6310-007
bulb 24V 21W		16-6321-007
cover for Positionlight left and right		15-2566-997



ECOPOINT II

WITH 7 PIN ASS2 CONNECTOR



GENERAL DESCRIPTION

- new design with lighted triangle
- integrated side marker light with reflector
- available end outline marker (in bulb version)
- additional 2x 2pin ASS2 exits for additional options
- with or without number plate light

DESCRIPTION

Ecopoint II standard left	25-2800-507
Ecopoint II standard right	25-2900-507
Ecopoint II with outline marker left	25-2810-507
Ecopoint II with outline marker right	25-2910-507
Ecopoint II with 2x ASS2 left	25-2800-517
Ecopoint II with 2x ASS2 right	25-2900-517
Ecopoint II with outline marker and 2x ASS2 left	25-2810-517
Ecopoint II with outline marker and 2x ASS2 right	25-2910-517

PART NO

SPARE PARTS



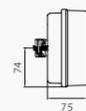
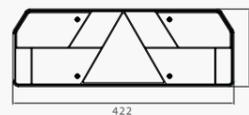
DESCRIPTION

Ecopoint II standard left	25-2800-501
Ecopoint II standard right	25-2900-501
Ecopoint II with outline marker left	25-2810-501
Ecopoint II with outline marker right	25-2910-501
Ecopoint II with 2x ASS2 left	25-2800-511
Ecopoint II with 2x ASS2 right	25-2900-511
Ecopoint II with outline marker and 2x ASS2 left	25-2810-511
Ecopoint II with outline marker and 2x ASS2 right	25-2910-511
spare lense Ecopoint II left	18-8528-002
spare lense Ecopoint II right	18-8529-002
end outline marker left red/white/orange	31-3303-027
end outline marker right red/white/orange	31-3302-027
bulb end outline marker 24V 4W	16-6304-007
bulb 24V 21W orange	16-6321-607
bulb 24V 10W	16-6310-007
bulb 24V 21W	16-6321-007

PART NO

EUROPOINT I

WITH 7 PIN ASS2 CONNECTOR



GENERAL DESCRIPTION

- only one spare lens for both sides
- with or without number plate light to the bottom
- shock absorbed bulb holder
- two bulbs for stop and tail light
- integrated side marker lamp

DESCRIPTION

DESCRIPTION	144 / 12	PART NO
Europoint I left	144 / 12	25-5000-507
Europoint I right	144 / 12	25-5400-507
left with number plate light	144 / 12	25-5001-507
right with number plate light	144 / 12	25-5401-507

WITH CABLE GLANDS



DESCRIPTION

DESCRIPTION	156 / 13	PART NO
Europoint I left	156 / 13	25-5100-507
Europoint I right	156 / 13	25-5500-507
left with number plate light	156 / 13	25-5101-507
right with number plate light	156 / 13	25-5501-507

SPARE PARTS

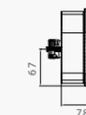
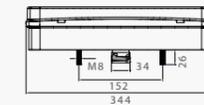


DESCRIPTION

DESCRIPTION	PART NO
Europoint I left as spare part	25-5000-501
Europoint I right as spare part	25-5400-501
spare part lens usable for left and right	18-8550-002
yellow filter for direction indicator	18-8555-007
4 pieces lens-screws	14-1430-357
bulb 24V 5W	16-6305-007
bulb 24V 10W	16-6310-007
bulb 24V 21W	16-6321-007
bulb 24V 21/5W	16-6322-007

ECOPOINT I

WITH 7 PIN ASS2 CONNECTION



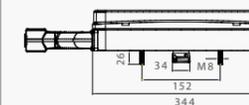
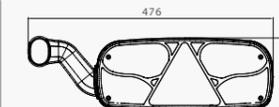
GENERAL DESCRIPTION

- available with all functions in LED
- universal fitment
- only one spare lens for both sides
- with or without number plate light to the bottom
- each bulb is shock absorbed

DESCRIPTION

DESCRIPTION	180 / 15	PART NO
left	180 / 15	25-2200-007
right	180 / 15	25-2600-007
left with number plate light	180 / 15	25-2201-007
right with number plate light	180 / 15	25-2601-007

WITH END OUTLINE MARKER



DESCRIPTION

DESCRIPTION	120 / 10	PART NO
with end outline marker left	120 / 10	25-2210-007
with end outline marker right	120 / 10	25-2610-007
with end outline marker left and number plate light	120 / 10	25-2211-007
with end outline marker right and number plate light	120 / 10	25-2611-007

SPARE PARTS



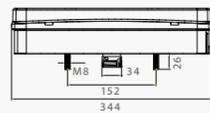
DESCRIPTION

DESCRIPTION	PART NO
Ecopoint I left as spare part	25-2200-001
Ecopoint I right as spare part	25-2600-001
Ecopoint I left with end outline marker as spare part	25-2210-001
Ecopoint I right with end outline marker as spare part	25-2610-001
lens Ecopoint I usable left and right	18-8522-002
lens with end outline marker usable left and right	18-8136-007
rubber arm left completely pre-assembled	31-3608-017
rubber arm right completely pre-assembled	31-3608-007
galvanized protector steel usable for left and right	14-4962-007
bulb 24V 5W	16-6305-007
bulb 24V 21W	16-6321-007
bulb 24V 21/5W	16-6322-007
bulb for EOM 24V 4W	16-6304-007
bulb bracket for flasher, reverse and fog	14-2522-987
bulb bracket for stop and rear lamp	14-2522-997

ECOPOINT I WITHOUT TRIANGLE



WITH 7 PIN ASS2 CONNECTOR



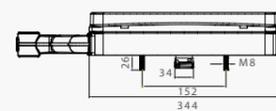
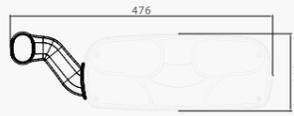
GENERAL DESCRIPTION

- vertical and horizontal mounting possible
- universal fitment
- only one spare lens for both sides
- with or without number plate light to the bottom
- each bulb is shock absorbed
- two bulbs for tail light

DESCRIPTION

DESCRIPTION	Quantity	PART NO
without triangle left	180 / 15	25-2000-507
without triangle right	180 / 15	25-2400-507
without triangle left with npl	180 / 15	25-2001-507
without triangle right with npl	180 / 15	25-2401-507

WITH END OUTLINE MARKER



DESCRIPTION

DESCRIPTION	Quantity	PART NO
without triangle left with eom	120 / 10	25-2010-507
without triangle right with eom	120 / 10	25-2410-507
without triangle left with end outline marker and npl	120 / 10	25-2011-507
without triangle right with end outline marker and npl	120 / 10	25-2411-507

SPARE PARTS



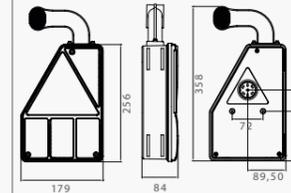
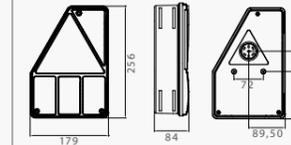
DESCRIPTION

DESCRIPTION	Quantity	PART NO
without triangle left as spare part		25-2000-501
without triangle right as spare part		25-2400-501
without triangle left with end outline marker as spare part		25-2010-501
without triangle right with end outline marker as spare part		25-2410-501
lens EcoPoint I usable for left and right		18-8520-002
lens end outline marker usable for left and right		18-8136-007
rubber arm left completely pre-assembled		31-3608-017
rubber arm right completely pre-assembled		31-3608-007
galvanized protector steel usable for left and right		14-4962-007
bulb 24V 5W		16-6305-007
bulb 24V 21W		16-6321-007
bulb 24V 21/5W		16-6322-007
bulb for end outline marker 24V 4W		16-6304-007

EARPOINT I



WITH 7 PIN ASS2 CONNECTION



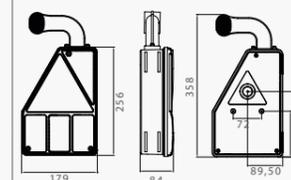
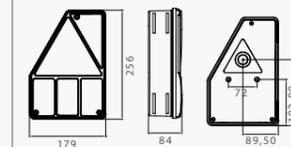
GENERAL DESCRIPTION

- with or without number plate light
- mounting track or screws for fixation available
- adapted for surface mount version

DESCRIPTION

DESCRIPTION	Quantity	PART NO
left	240 / 20	24-4101-007
right with reversing lamp	240 / 20	24-4301-007
left with end outline marker r/w	180 / 15	24-4151-007
right with reversing lamp and end outline marker r/w	180 / 15	24-4351-007

WITH CABLE GLANDS



DESCRIPTION

DESCRIPTION	Quantity	PART NO
left	240 / 20	24-4111-007
right	240 / 20	24-4313-007
right with reversing lamp	240 / 20	24-4311-007
left with end outline marker red/white	180 / 15	24-4161-007
right without reversing lamp and end outline marker r/w	180 / 15	24-4363-007
right with reversing lamp and end outline marker r/w	180 / 15	24-4361-007

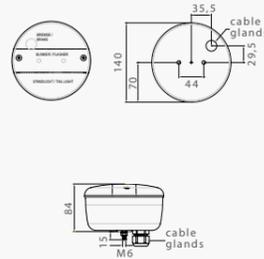
SPARE PARTS



DESCRIPTION

DESCRIPTION	Quantity	PART NO
lens Earpoint left		18-8440-007
lens Earpoint right		18-8442-007
lens Earpoint right with reversing lamp		18-8442-107
lens end outline marker r/w		18-8136-007
bulb 24V 5W		16-6305-007
bulb 24V 21W		16-6321-007
bulb 24V 21/5W		16-6322-007
bulb for end outline marker 24V 4W		16-6304-007

3 CHAMBER REAR LIGHT D= 140 MM



GENERAL DESCRIPTION

- with tail light, stop light and flasher

DESCRIPTION

- 3 chamber rear lamp with 8pin bajonet-connection
- 3 CRL with cable glands 11
- 3 CRL with cable glands 16
- 3 chamber rear lamp left with 0,5 m cable, 7 pin. ASS2
- 3 chamber rear lamp right with 0,5 m cable 7 pin ASS2

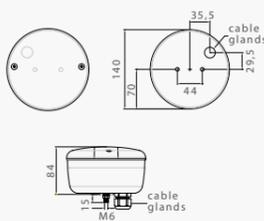


400 / 20

PART NO

- 23-8200-517
- 23-8200-017
- 23-8230-007
- 33-8205-067
- 33-8206-067

REAR FOG LAMP D= 140 MM



DESCRIPTION

- rear fog lamp with cable glands 9
- rear fog lamp with 0,25 m cable ASS2

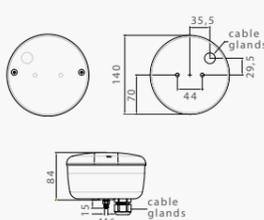


400 / 20

PART NO

- 27-8000-027
- 37-8007-157

REVERSING LAMP D= 140 MM



DESCRIPTION

- reversing lamp with cable glands 9
- reversing lamp mit 0,25 m with 0,25 m cable ASS2



400 / 20

PART NO

- 28-8000-027
- 38-8007-167

SPARE PARTS



DESCRIPTION

- 3-C. with cable glands 11 as spare part
- rear fog lamp with cable glands 9 as spare part
- reversing lamp with cable glands 9 as spare part
- lens 3 chamber rear light with screws
- lens rear fog lamp with screws
- lens reversing lamp with screws
- bulb 24V 21W
- bulb 24V 5W



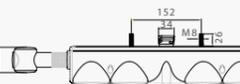
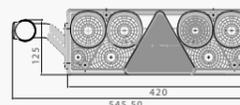
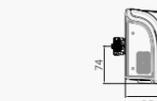
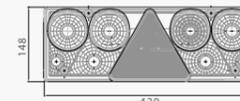
PART NO

- 23-8200-011
- 27-8000-021
- 28-8000-021
- 18-8382-107
- 18-8780-107
- 18-8880-107
- 16-6321-007
- 16-6305-007

EUROPOINT II LED



WITH 7 PIN ASS2 CONNECTION



GENERAL DESCRIPTION

- unique clear glass design
- number plate light option at the bottom or to the side
- two bulbs for stop and tail light
- option of 4 additional two pin connectors on the rear of the lamp for extra functions
- only one spare lens
- easy modifying to LED

DESCRIPTION

- left, tail light in LED
- left with NPL and tail light in LED
- right tail light in LED
- right with NPL and tail light in LED
- left with EOM lamp in LED r/w
- left with EOM lamp in LED b/w
- right with EOM lamp in LED r/w
- right with EOM lamp in LED b/w
- left all functions in LED
- left all functions and the EOM lamp are in LED r/w
- right all functions in LED
- right all functions and the EOM lamp are in LED r/w



132 / 11

132 / 11

132 / 11

132 / 11

108 / 9

108 / 9

108 / 9

108 / 9

108 / 9

108 / 9

PART NO

- 25-6000-707
- 25-6001-707
- 25-6400-707
- 25-6401-707
- 25-6021-707
- 25-6020-707
- 25-6421-707
- 25-6420-707
- 25-6000-757
- 25-6020-757
- 25-6400-757
- 25-6420-757

SPARE PARTS



LED insert tail light



LED Insert for direction indicator, reversing light, fog light and stop light



DESCRIPTION

- left tail light LED as spare part
- right tail light LED as spare part
- spare lens left and right usable
- EOM lamp left red/white in LED
- EOM lamp left black/white in LED
- EOM lamp right red/white in LED
- EOM lamp right, black/white, LED
- tail LED insert
- flasher LED insert
- reverse LED insert
- fog LED insert
- stop LED insert
- cover for position light left and right usable



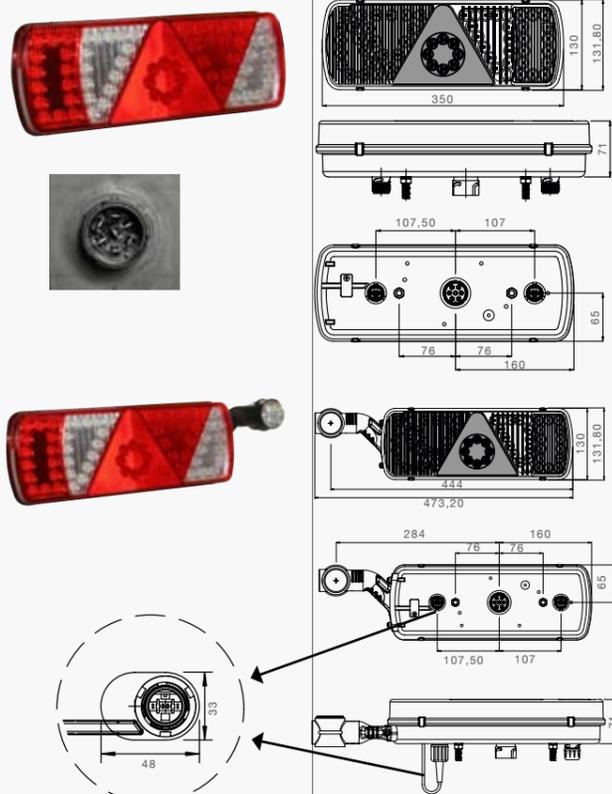
PART NO

- 25-6000-701
- 25-6400-701
- 18-8560-002
- 31-3305-087
- 31-3305-097
- 31-3306-087
- 31-3306-097
- 12-1560-001
- 12-1560-011
- 12-1560-021
- 12-1560-031
- 12-1560-041
- 15-2566-997

ECOLED



MIT 7-POL. ASS2 ANSCHLUSS



GENERAL DESCRIPTION

- new unique design with all functions in LED
- tight construction
- additional 2x 2pin ASS2 exits for additional options
- low current consumption
- trailer identification including direction indicator monitoring according to ECE 48 without additional tools
- integrated side marker light with reflector
- with or without end outline marker

DESCRIPTION

- EcoLED - standard left
- EcoLED - standard right
- EcoLED - with 2x ASS2 left
- EcoLED - with 2x ASS2 right
- EcoLED - with outline marker and 2x ASS2 left
- EcoLED - with outline marker and 2x ASS2 right



PART NO

- 25-3800-507
- 25-3900-507
- 25-3800-517
- 25-3900-517
- 25-3820-517
- 25-3920-517

ATTENTION!

long slot necessary

SPARE PARTS



DESCRIPTION

- end outline marker LED left red/white/orange
- end outline marker LED right red/white/orange
- additional LCG 2 - EcoLED



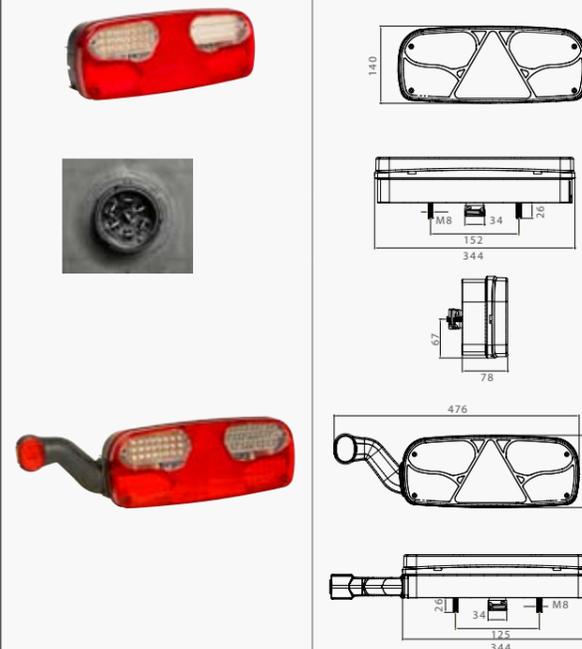
BEST. NR.

- 31-3305-237
- 31-3306-237
- 75-0309-001

ECOPOINT I LED



WITH TAIL LIGHT AND STOP LIGHT IN LED



GENERAL DESCRIPTION

- ECE and ADR approved
- universal fitment
- only one spare lens for both sides, with or without number plate light
- each bulb is shock absorbed
- easy modifying to LED

DESCRIPTION

- left
- left with NPL
- left with EOM lamp red/white
- left with NPL and EOM lamp r/w
- right
- right with NPL
- right with EOM lamp red/white
- right with NPL and EOM lamp r/w



PART NO

- 180 / 15 25-2200-707
- 180 / 15 25-2201-707
- 120 / 10 25-2210-707
- 120 / 10 25-2211-707
- 180 / 15 25-2600-707
- 180 / 15 25-2601-707
- 120 / 10 25-2610-707
- 120 / 10 25-2611-707

WITH TAIL LIGHT, STOP LIGHT AND DIRECTION INDICATOR IN LED



DESCRIPTION

- left as spare part
- left with EOM r/w as spare part
- right as spare part
- right with EOM r/w as spare part
- Ecopoint I LED left
- Ecopoint I LED left with NPL
- Ecopoint I LED left with EOM red/white
- Ecopoint I LED left with NPL and EOM lamp red/white
- Ecopoint I LED right
- Ecopoint I LED right with NPL
- Ecopoint I LED right with EOM lamp red/white
- Ecopoint I LED right with NPL and EOM lamp red/whites



PART NO

- 25-2200-701
- 25-2210-701
- 25-2600-701
- 25-2610-701
- 25-2200-717
- 25-2201-717
- 25-2210-717
- 25-2211-717
- 25-2600-717
- 25-2601-717
- 25-2610-717
- 25-2611-717

WITH TAIL LIGHT, STOP LIGHT, DIRECTION INDICATOR AND FOG LIGHT IN LED



DESCRIPTION

- Ecopoint I LED left
- Ecopoint I LED left with NPL
- Ecopoint I LED left with EOM lamp red/white
- Ecopoint I LED left with NPL and EOM lamp red/white
- Ecopoint I LED right
- Ecopoint I LED right with NPL
- Ecopoint I LED right with EOM lamp red/white
- Ecopoint I LED right with NPL and EOM lamp red/white



PART NO

- 25-2200-727
- 25-2201-727
- 25-2210-727
- 25-2211-727
- 25-2600-727
- 25-2601-727
- 25-2610-727
- 25-2611-727

WITH TAIL LIGHT, STOP LIGHT, DIRECTION INDICATOR, FOG LIGHT AND REVERSING LIGHT IN LED



DESCRIPTION

- Ecopoint I LED left
- Ecopoint I LED left with NPL
- Ecopoint I LED left with EOM lamp red/white
- Ecopoint I LED left with NPL and EOM lamp red/white
- Ecopoint I LED right
- Ecopoint I LED right with NPL
- Ecopoint I LED right with EOM lamp red/white
- Ecopoint I LED right with NPL and EOM lamp red/white

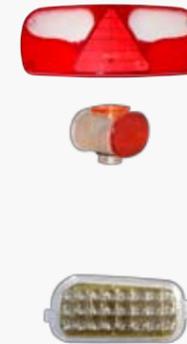


180 / 15

PART NO

- 25-2200-737
- 25-2201-737
- 25-2210-737
- 25-2211-737
- 25-2600-737
- 25-2601-737
- 25-2610-737
- 25-2611-737

SPARE PARTS



DESCRIPTION

- spare lens for end outline marker lamp red/white left and right usable
- spare filter for the flasher function left and right usable
- end outline marker lamp left and completely wired
- end outline marker lamp right and completely wired
- LED flasher insert left (1 piece pkg)
- LED flasher insert left (20 piece packaging)
- LED flasher insert right (1 piece packaging)
- LED flasher insert right (20 piece packaging)
- LED flasher and stop insert left (1 piece packaging)
- LED flasher and stop insert left (20 piece packaging)
- LED flasher and stop insert right (1 piece packaging)
- LED flasher and stop insert right (20 piece packaging)
- LED fog insert left (1 piece pkg)
- LED reverse insert left (1 piece packaging)
- LED fog insert right (1 piece pkg)
- LED reverse insert right (1 piece packaging)
- protective grid left and right usable
- bulb bracket for flasher, reverse and fog
- bulb bracket for stop and rear lamp

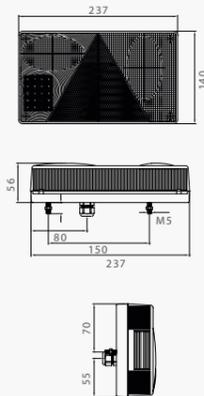


PART NO

- 18-8522-002
- 18-8136-007
- 31-3608-017
- 31-3608-007
- 12-1522-014
- 12-1522-054
- 12-1526-014
- 12-1526-054
- 12-1522-004
- 12-1522-044
- 12-1526-004
- 12-1526-044
- 12-1522-024
- 12-1522-034
- 12-1526-024
- 12-1526-034
- 14-4962-007
- 14-2522-987
- 14-2522-997

MULTIPOINT LED

WITH CABLE GLANDS



GENERAL DESCRIPTION

- with different connections
- vibration damping
- ready for surface mounting with LED for stop and rear light

DESCRIPTION

- Multipoint LED left with triangle 1.8m cable and 8pin bajonett connector
- Multipoint LED left with triangle 2.5m cable and 7pin ASS1 connector
- Multipoint LED left without cable but cable glands connector fitted
- Multipoint LED right with triangle 1.8m cable and 8pin bajonett connector
- Multipoint LED right with triangle 2.5m cable and 7pin ASS1 connector
- Multipoint LED right without cable but cable glands connector fitted



PART NO

- 34-5703-007
- 34-5705-007
- 24-5700-727
- 34-5802-007
- 34-5806-007
- 24-5800-737

SPARE PARTS



DESCRIPTION

- Multipoint LED left, incl. cable glands as spare part
- Multipoint LED right, incl. cable glands as spare part
- lens left
- lens right
- LED insert Stop/Tail
- bulb 24V 21W

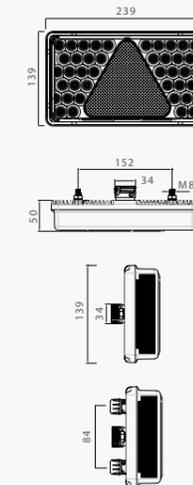


PART NO

- 24-5700-721
- 24-5800-731
- 18-8457-137
- 18-8458-137
- 12-1527-004
- 16-6321-007

MULTILED

WITH 7 PIN ASS2 MALE CONNECTOR



GENERAL DESCRIPTION

- with all functions in LED (reversing light, stop light, direction indicator and fog light)
- integrated electronics for power control
- with and without side marker lamps in led
- with and without triangle
- with and without 2pin ASS2 connection

DESCRIPTION

- MultiLED with triangle left, with SML, with LCG
- MultiLED with triangle right, with SML, with LCG
- MultiLED with triangle left, 2 x 2pin ASS2 connection, with SML, with LCG
- MultiLED with triangle right, 2 x 2pin ASS2 connection, with SML, with LCG
- MultiLED with triangle left, with SML, with LCG as spare part
- MultiLED with triangle right, with SML, with LCG as spare part

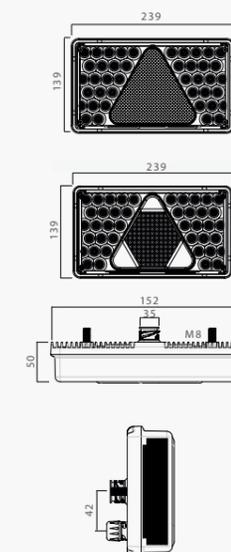
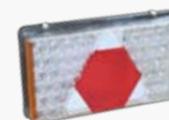


PART NO

- 24-7400-707
- 24-7500-707
- 24-7401-707
- 24-7501-707
- 24-7400-701
- 24-7500-701

SPARE PARTS

WITH 7 PIN DIN72585 CONNECTOR



DESCRIPTION

- MultiLED with triangle left, with SML, with LCG, 1x2pin ASS2 connection
- MultiLED with triangle right, with SML, with LCG 1x2pin ASS2 connection
- MultiLED with triangle left, with SML, without LCG, 1x2pin ASS2 connection
- MultiLED with triangle right, with SML, without LCG 1x2pin ASS2 connection
- MultiLED without triangle left, with SML, with LCG, 1x2pin ASS2 connection
- MultiLED without triangle right, with SML, with LCG 1x2pin ASS2 connection



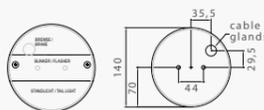
PART NO

- 24-7430-707
- 24-7530-707
- 24-7630-707
- 24-7730-707
- 24-7470-707
- 24-7570-707



3 CHAMBER LIGHT LED

3 CHAMBER LAMP LED ROUND



GENERAL DESCRIPTION

- with tail light, stop light and direction indicator

DESCRIPTION

- 3 chamber lamp LED with cable glands 11
- 3 chamber lamp LED with cable glands 16
- 3 chamber lamp LED 8 pin Bayonet
- 3 chamber lamp LED left with 0,5 m cable, open end
- 3 chamber lamp LED right with 0,5 m cable, open end
- 3 chamber lamp LED left with 0,5 m cable and 7 pin ASS2 connection
- 3 chamber lamp LED right with 0,5 m cable and 7 pin ASS2 connection
- 3 C LED, cable glands 11 as spare part



400 / 20

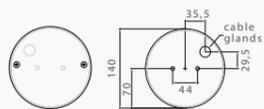
PART NO

- 23-8400-727
- 23-8400-717
- 23-8400-707
- 33-8403-007
- 33-8402-007
- 33-8405-007
- 33-8406-007
- 23-8400-721



SPARE PARTS

3CHAMBER LAMP LED ROUND DOUBLE FUNCTIONS, 12V & 24V



DESCRIPTION

- 3 chamber lamp LED with cable glands 11
- 3 chamber lamp LED with cable glands 16
- 3 chamber lamp LED 8 pin Bajonett
- 3 chamber lamp LED left with 0,5 m cable, open end
- 3 chamber lamp LED right with 0,5 m cable, open end
- 3 chamber lamp LED left with 0,5 m cable and 7 pin ASS2 connection
- 3 chamber lamp LED right with 0,5 m cable and 7 pin ASS2 connection



400 / 20

PART NO

- 23-8500-727
- 23-8500-717
- 23-8500-707
- 33-8503-007
- 33-8502-007
- 33-8505-007
- 33-8506-007



FOG LAMP IN LED ROUND



DESCRIPTION

- fog lamp in LED round cable glands 9
- fog lamp in LED round 1.5 m cable and 2 pin ASS2 male connector



400 / 20

PART NO

- 27-8100-707
- 37-8107-027

REVERSE LAMP IN LED ROUND



DESCRIPTION

- reverse lamp in LED round cable glands 9
- reverse lamp in LED round 1.5 m cable and 2pin ASS2 male connector



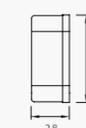
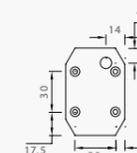
400 / 20

PART NO

- 28-8100-717
- 38-8107-007

FLEXIPOINT I WEISS

WITH P&R CONNECTION



GENERAL DESCRIPTION

- position lamp with reflector
- festoon bulb 5 Watt - shock proof
- cable entry with rubber grommet
- lens screwed together double
- flexible mounting possibilities
- bracket in various mounting possibilities

DESCRIPTION

- with 0,25 m
- with 0,5 m
- with 1,5 m
- with 2,0 m



1600 / 100

PART NO

- 31-6504-117
- 31-6504-087
- 31-6504-147
- 31-6504-137



SPARE PARTS



DESCRIPTION

- Flexipoint white loose in plastic bag
- bracket
- fixation 90°
- trunable flat bracket
- flexible straight rubber holder
- sloping bracket
- festoon 24V 5W



10000 / 500

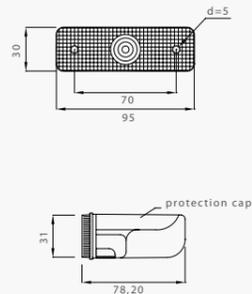
PART NO

- 21-6512-007
- 15-5310-107
- 15-5318-007
- 15-5316-007
- 15-5312-107
- 15-5314-107
- 16-6705-007

SIDEPOINT WHITE



SURFACE MOUNT VERSION WITH PROTECTION COVER AND P&R CONNECTION



GENERAL DESCRIPTION

- bulb: 24V 4W
- protection cap for the connection of the lamp against mechanical pressures
- waterproof, fast and easy bayonet connector

DESCRIPTION

- with 0,5 m cable
- with 1,0 m cable
- with 1,5 m cable
- with 3,5 m cable

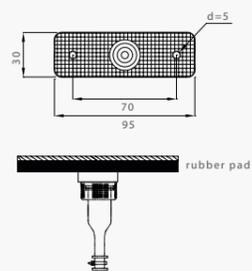


2400 / 100

PART NO

- 31-5004-007
- 31-5004-027
- 31-5014-047
- 31-5004-227

SURFACE MOUNT VERSION WITH STRAIGHT CONNECTOR INCLUDING RUBBER PAD AND P&R CONNECTION



DESCRIPTION

- with 0,5 m cable
- with 1,5 m cable
- with 3,5 m cable



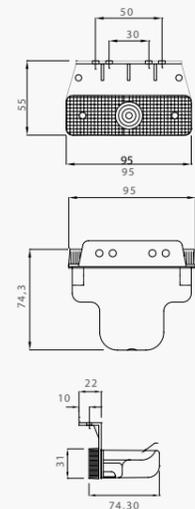
1600 / 100

1600 / 100

PART NO

- 31-5004-097
- 31-5004-107
- 31-5004-197

FIXATION 90° TO THE FRONT AND P&R CONNECTION



DESCRIPTION

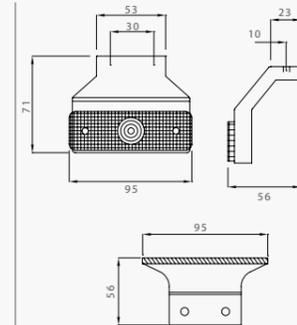
- with protection cover 0,5 m
- with protection cover, 1,5 m



PART NO

- 31-5064-027
- 31-5064-007

SLOPING FIXATION 90° AND P&R CONNECTION



DESCRIPTION

- with 0,5 m cable
- with 1,5 m cable



PART NO

- 31-5064-067
- 31-5064-077

SPARE PARTS



DESCRIPTION

- lens including screws
- bulb 24 V 4 W
- complete lamp, surface mount version, including protection cover and rubber pad, loose in plastic bag
- complete lamp, fixation 90°, including protection cover and rubber pad, loose in plastic bag



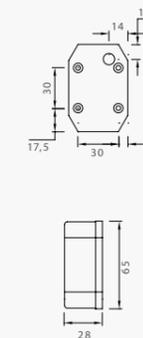
PART NO

- 21-5000-024
- 16-6304-007
- 21-5000-004
- 21-5000-034

FLEXIPOINT I RED



WITH P&R CONNECTION



GENERAL DESCRIPTION

- with reflector
- festoon bulb 5 W - shock proof
- cable entry with rubber grommet
- lens dual screwed
- bracket in various mounting possibilities
- flexible mounting options

DESCRIPTION

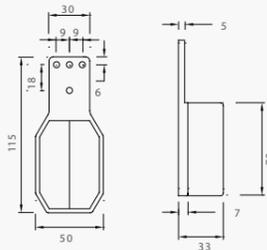
- 0,25 m cable
- 3,5 m cable
- 5,0 m cable



PART NO

- 1600 / 100 31-6504-107
- 1600 / 100 31-6504-067
- 1600 / 100 31-6504-097

WITH FLEXIBLE STRAIGHT RUBBER HOLDER AND P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,0 m cable
with 1,5 m cable



PART NO

31-6564-237
31-6564-247
31-6564-307

SPARE PARTS



DESCRIPTION

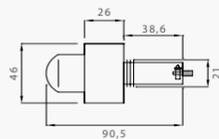
Flexipoint red loose in plastic bag
Flexipoint red with sloping
bracket loose in plastic bag
bracket
fixation 90°
turnable flat bracket
flexible straight rubber holder
sloping bracket
festoon 24V 5W



PART NO

10000 / 500
21-6510-007
21-6510-227
15-5310-107
15-5318-007
15-5316-007
15-5312-107
15-5314-107
16-6705-007

MONOPOINT WITH P&R CONNECTION



GENERAL DESCRIPTION

- compact dimensions
- bulb: 24V 5W

DESCRIPTION

with 0,5 m cable
with 1,5 m cable
with 3,5 m cable



PART NO

2400 / 150
1600 / 100
1200 / 75
31-9904-027
31-9904-047
31-9904-057

SPARE PARTS



DESCRIPTION

bulb 24V 5W
loose lens



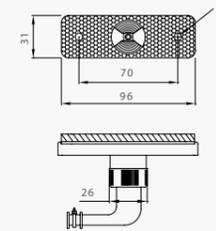
PART NO

16-6305-007
21-2199-057

FLATPOINT I WHITE LED



SURFACE MOUNT VERSION WITH STRAIGHT CONNECTION P&R



GENERAL DESCRIPTION

- LED position lamp
- with reflector
- high light output with low current consumption

DESCRIPTION

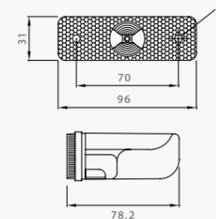
with 0,5 m cable
with 1,5 m cable
with 3,5 m cable



PART NO

2400 / 500
1600 / 100
960 / 60
31-6604-077
31-6604-097
31-6604-117

SURFACE MOUNT VERSION WITH ANGLE CONNECTION P&R



DESCRIPTION

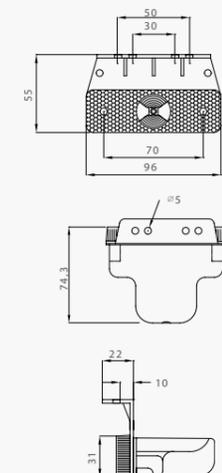
with 0,5 m cable
with 1,5 m cable
with 3,5 m cable



PART NO

1600 / 100
1600 / 100
1600 / 100
31-6614-017
31-6614-037
31-6614-057

FIXATION 90° TO THE FRONT AND P&R CONNECTION



DESCRIPTION

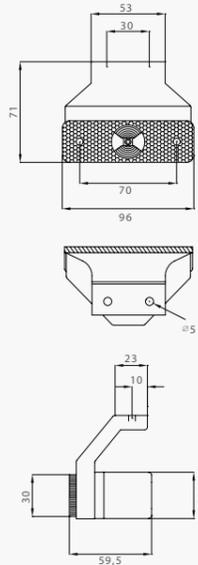
with 0,5 m cable
with 1,5 m cable
with 3,5 m cable



PART NO

1600 / 100
1600 / 100
1600 / 100
31-6614-077
31-6614-097
31-6614-117

SLOPING FIXATION 90° AND P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable
with 3,5 m cable



PART NO

31-6664-017
31-6664-037
31-6664-057

SPARE PARTS



DESCRIPTION

loose lens including screws
angled connection 90°
straight bracket complete
fixation 90° including protection
cover, loose parts
Surface mount version including
protection cover, loose parts



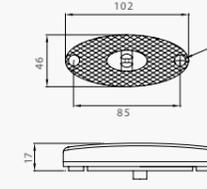
PART NO

21-6600-014
15-2122-104
15-2122-124
21-6600-004
21-6601-004

FLATPOINT II WHITE LED



SURFACE MOUNT VERSION WITH REFLECTOR AND P&R CONNECTION



GENERAL DESCRIPTION

- LED position lamp
- high light output with low current consumption
- direct cable exit on the backside of the lamp

DESCRIPTION

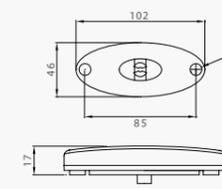
with 0,5 m cable
with 1,5 m cable
with 3,5 m cable



PART NO

2000 / 100 31-6904-017
2000 / 100 31-6904-037
1000 / 50 31-6904-057

SURFACE MOUNT VERSION WITHOUT REFLECTOR AND P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 3,5 m cable



PART NO

2000 / 100 31-6904-097
1000 / 50 31-6904-127

SURFACE MOUNT VERSION WITH REFLECTOR AND OPEN END



DESCRIPTION

with 0,5 m cable
with 3,5 m cable



PART NO

1600 / 100 31-6900-017
1000 / 50 31-6900-127

SURFACE MOUNT VERSION WITH REFLECTOR AND 3 PIN ASS3



DESCRIPTION

with 0,5 m cable
with 1,5 m cable



PART NO

1200 / 50 31-6907-027
1200 / 50 31-6907-037

SURFACE MOUNT VERSION WITHOUT REFLECTOR AND 3 PIN ASS3



DESCRIPTION

with 3,5 m cable



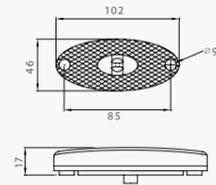
PART NO

600 / 25 31-6907-047

FLATPOINT II RED LED



SURFACE MOUNT VERSION WITH REFLECTOR AND P&R CONNECTION



GENERAL DESCRIPTION

- LED Positionlamp
- high light output with low current consumption
- direct cable exit on the backside of the lamp

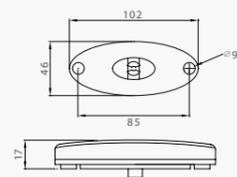
DESCRIPTION

with 0,5 m cable
with 3,5 m cable

2000 / 100	1000 / 50

PART NO
31-6404-017
31-6404-057

SURFACE MOUNT VERSION WITHOUT REFLECTOR AND P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 3,5 m cable

1600 / 100	1000 / 50

PART NO
31-6404-097
31-6404-127

SURFACE MOUNT VERSION WITHOUT REFLECTOR AND OPEN END



DESCRIPTION

with 0,5 m cable
with 3,5 m cable

2400 / 100	1000 / 50

PART NO
31-6400-097
31-6400-127

SPARE PARTS



DESCRIPTION

rubber pad
Fixation 90° to the front
Fixation 90° to the back
Straight bracket
Screws for angle (1 pc)

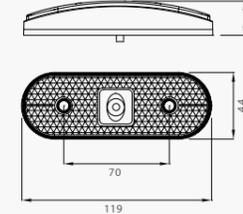


BEST.NR.
15-5111-007
15-5321-107
15-5321-207
15-5321-007
14-S418-307

UNIPOINT I WHITE LED



WITH REFLECTOR AND P&R CONNECTION



GENERAL DESCRIPTION

- LED Positionlamp
- high light output with low current consumption
- direct cable exit on the backside of the lamp

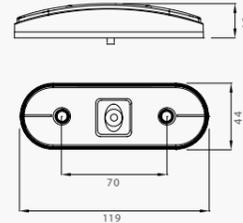
DESCRIPTION

with 0,5 m cable
with 1,5 m cable
with 3,5 m cable

2400 / 100	1600 / 100
1600 / 100	1600 / 100

PART NO
31-7704-017
31-7704-037
31-7704-057

WITHOUT REFLECTOR AND P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable
with 3,5 m cable

800 / 50	800 / 50
800 / 50	800 / 50

PART NO
31-7704-097
31-7704-107
31-7704-127

WITH REFLECTOR AND FLAT CABLE



DESCRIPTION

with 1,0 m cable

960 / 60	

PART NO
31-7704-077

WITHOUT REFLECTOR AND FLAT CABLE



DESCRIPTION

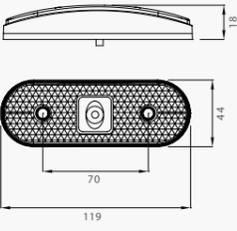
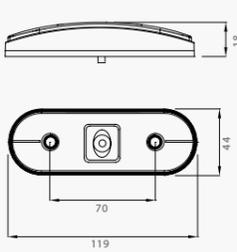
with 4,0 m cable

960 / 60	

PART NO
31-7704-087

WITH REFLECTOR AND 3PIN ASS3 CONNECTION			DESCRIPTION with 0,5 m cable with 1,5 m cable	  1800 / 75 1200 / 50	PART NO 31-7707-107 31-7707-117
WITHOUT REFLECTOR AND 3PIN ASS3 CONNECTION			DESCRIPTION 3,5 m cable	  600 / 25	PART NO 31-7707-127
UNIPOINT I WHITE VERTICAL WITH REFLECTOR			DESCRIPTION Vertical version with 1,5 m P&R	  31-7704-227	PART NO 31-7704-227
SPARE PARTS			DESCRIPTION Fixation 90° to the back Straight fixation Sloping angle to the back Sloping angle to the front Expanding rivet for lamp 14-15mm	  BEST.NR. 15-5319-007 15-5317-007 15-5317-017 15-5319-307 14-4596-007	

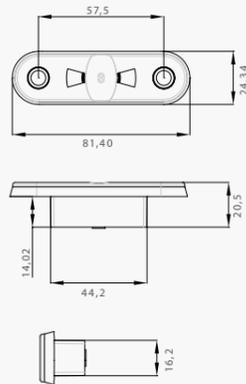
UNIPOINT I RED LED WITH REFLECTOR AND P&R CONNECTION			GENERAL DESCRIPTION <ul style="list-style-type: none"> • LED Positionlamp • high light yield with low current consumption • direct cable exit on the backside of the lamp 	
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WITH REFLECTOR AND P&R CONNECTION				DESCRIPTION with 0,5 m cable with 3,5 m cable	  2400 / 100 1600 / 100	PART NO 31-7804-017 31-7804-057
WITHOUT REFELCTOR AND P&R CONNECTION				DESCRIPTION with 0,5 m cable with 3,5 m cable	  800 / 50 800 / 50	PART NO 31-7804-097 31-7804-127
WITH REFELCTOR AND FLAT CABLE				DESCRIPTION with 1 m flat cable	  1600 / 100	PART NO 31-7804-077
WITHOUT REFLECTOR AND FLAT CABLE				DESCRIPTION with 4 m flatcable	  960 / 60	PART NO 31-7804-087
UNIPOINT I RED VERTICAL WITH REFLECTOR				DESCRIPTION Vertical version with 1,5 m P&R	  31-7804-207	PART NO 31-7804-207

POSIPOINT II WHITE LED 12V & 24V



WITH OPEN END



GENERAL DESCRIPTION

- LED position lamp
- optional housing available
- voltage span: 12V and 24V

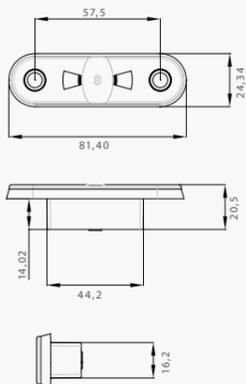
DESCRIPTION

- with 0,5 m cable
- with 3,5 m cable
- with 5,0 m cable

Quantity	Part No
3000 / 150	31-7100-067
1120 / 70	31-7100-017
1280 / 80	31-7100-007

Quantity	Part No
3000 / 150	31-7100-067
1120 / 70	31-7100-017
1280 / 80	31-7100-007

WITH P&R CONNECTION



DESCRIPTION

- with 0,5 m cable
- with 1,5 m cable
- with 3,5 m cable

Quantity	Part No
2400 / 150	31-7104-007
1600 / 100	31-7104-017
1120 / 70	31-7104-027

Quantity	Part No
2400 / 150	31-7104-007
1600 / 100	31-7104-017
1120 / 70	31-7104-027

SPARE PARTS



DESCRIPTION

housing for Posipoint II

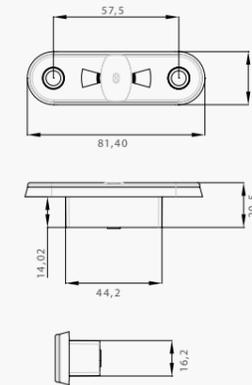


Quantity	Part No
15	15-5609-107

POSIPOINT II RED LED 12V & 24V



WITH OPEN END



GENERAL DESCRIPTION

- LED position lamp
- optional housing available
- voltage span: 12V and 24V

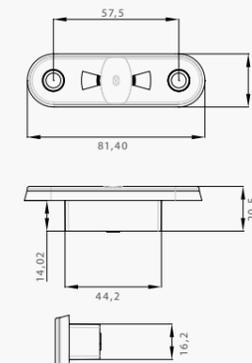
DESCRIPTION

- with 0,5 m cable
- with 3,5 m cable
- with 5,0 m cable

Quantity	Part No
1000 / 50	31-7200-067
2000 / 100	31-7200-017
1000 / 50	31-7200-007

Quantity	Part No
1000 / 50	31-7200-067
2000 / 100	31-7200-017
1000 / 50	31-7200-007

WITH P&R CONNECTION



DESCRIPTION

- with 0,5 m cable
- with 1,5 m cable
- with 3,5 m cable

Quantity	Part No
3000 / 150	31-7204-007
2600 / 130	31-7204-017
1400 / 70	31-7204-027

Quantity	Part No
3000 / 150	31-7204-007
2600 / 130	31-7204-017
1400 / 70	31-7204-027

SPARE PARTS



DESCRIPTION

housing for Posipoint II

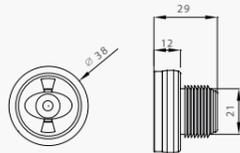


Quantity	Part No
15	15-5609-107

MONOPOINT II WHITE LED 12V & 24V



SLIM, WITH P&R CONNECTION



GENERAL DESCRIPTION

- LED position lamp
- optional housing available
- voltage span: 12V and 24V

DESCRIPTION

with 0,5 m cable
with 1,5 m cable
with 3,5 m cable

	PART NO
2000 / 100	31-6704-067
2000 / 100	31-6704-077
960 / 60	31-6704-087

SLIM, WITH OPEN END

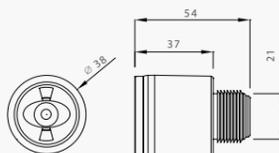


DESCRIPTION

with 3,5 m cable

	PART NO
1200 / 60	31-6700-027

DEEP, WITH P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable
with 3,5 m cable

	PART NO
2000 / 100	31-6704-097
1000 / 50	31-6704-107
1200 / 60	31-6704-117

DEEP, WITH OPEN END



DESCRIPTION

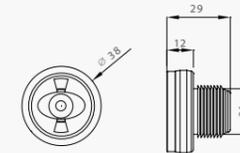
with 3,5 m cable

	PART NO
1200 / 60	31-6700-037

MONOPOINT II RED LED 12V & 24V



SLIM, WITH P&R CONNECTION



GENERAL DESCRIPTION

- LED position lamp
- optional housing available
- voltage span: 12V and 24V

DESCRIPTION

with 0,5 m cable
with 3,5 m cable
with 5,0 m cable

	PART NO
2000 / 100	31-6804-087
1200 / 60	31-6804-067
1000 / 50	31-6804-097

SLIM, WITH OPEN END

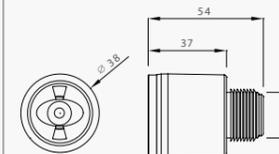


DESCRIPTION

with 3,5 m cable

	PART NO
1200 / 60	31-6800-017

DEEP, WITH P&R CONNECTION



DESCRIPTION

with 3,5 m cable

	PART NO
1200 / 60	31-6804-077

DEEP, WITH OPEN END



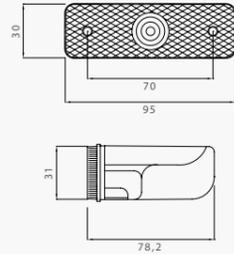
DESCRIPTION

with 3,5 m cable

	PART NO
1200 / 60	31-6800-027

SIDEPOINT

SURFACE MOUNT VERSION WITH P&R CONNECTION



GENERAL DESCRIPTION

- 24V/4W
- protection cover for connection against mechanical loadings
- water proof, fast and easy bayonet connector
- with reflector

DESCRIPTION

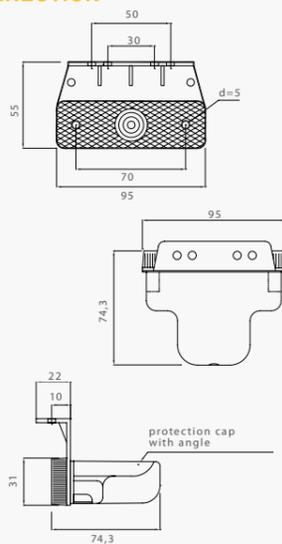
- with 0,5 m cable
- with 1,5 m cable

2400 / 100	1600 / 100

PART NO
31-2814-047
31-2814-077



FIXATION 90° AND P&R CONNECTION



DESCRIPTION

- with 0,5 m cable
- with 1,5 m cable
- with 3,5 m cable

1600 / 100	1600 / 100

PART NO
31-2814-007
31-2814-027
31-2814-087

SPARE PARTS



DESCRIPTION

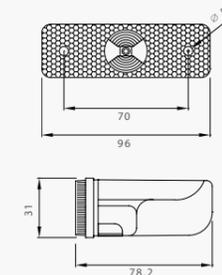
- bulb 24 V 4 W
- loose yellow lens
- complete single built-in lamp, in plastic bag
- complete single surface mounting lamp, in plastic bag
- complete bulb connection in plastic bag
- single housing for angle fixation with protection cover
- single built-in housing with protection cover

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PART NO
16-6304-007
21-2800-007
21-2801-004
21-2800-014
15-2128-524
15-2128-277
15-2128-167

FLATPOINT I LED

SURFACE MOUNT VERSION WITH P&R CONNECTION



GENERAL DESCRIPTION

- with reflector
- high light yield
- flat lens

DESCRIPTION

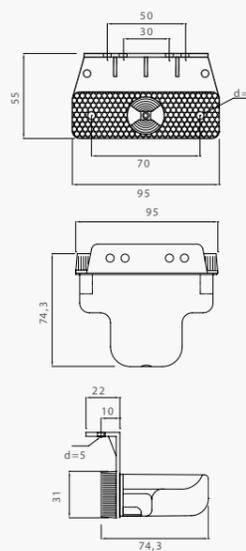
- with 0,5 m cable
- with 1,0 m cable
- with 1,5 m cable

1600 / 100	1600 / 100
1440 / 90	1440 / 90

PART NO
31-2214-117
31-2214-127
31-2214-137



FIXATION 90° TO THE FRONT WITH P&R CONNECTION



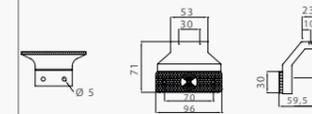
DESCRIPTION

- with 0,5 m cable
- with 1,0 m cable
- with 1,5 m cable

1600 / 100	1600 / 100
1440 / 90	1440 / 90

PART NO
31-2214-017
31-2214-027
31-2214-037

FIXATION 90° WITH SLOPING BRACKET TO THE BACK AND P&R CONNECTION



DESCRIPTION

- with 0,5 m cable
- with 1,0 m cable
- with 1,5 m cable

1600 / 100	1600 / 100
1440 / 90	1440 / 90

PART NO
31-2264-017
31-2264-027
31-2264-037

SPARE PARTS



DESCRIPTION

loose lens, screws included
complete lamp with protection cap and connection
complete lamp with angle and connection
angled connection 90° complete
straight connection complete



PART NO

21-2200-004
21-2201-004

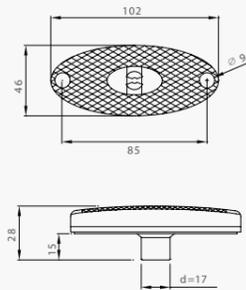
21-2200-014

15-2122-104
15-2122-124

FLATPOINT II LED



SURFACE MOUNT VERSION WITH P&R CONNECTION



GENERAL DESCRIPTION

- with reflector
- high light output with low current consumption
- direct cable exit on the backside of the lamp
- flat lens

DESCRIPTION

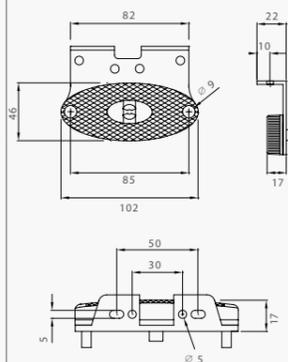
with 0,5 m cable
with 1,0 m cable
with 1,5 m cable



PART NO

2000 / 100 31-2304-017
2000 / 100 31-2304-027
2000 / 100 31-2304-037

FIXATION 90° FRONT AND P&R CONNECTION



DESCRIPTION

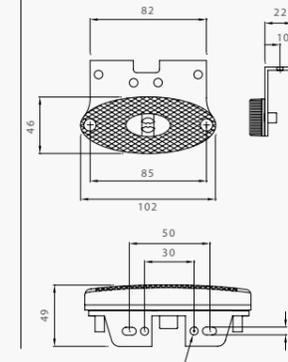
with 0,5 m cable
with 1,0 m cable
with 1,5 m cable



PART NO

2000 / 100 31-2364-017
1000 / 50 31-2364-027
2000 / 100 31-2364-037

FIXATION 90° BACK AND P&R CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,0 m cable
with 1,5 m cable



PART NO

2000 / 100 31-2364-087
2000 / 100 31-2364-097
2000 / 100 31-2364-107

SURFACE MOUNT VERSION WITH 3PIN ASS3 CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable



PART NO

31-2307-007
31-2307-017

FIXATION 90° BACK AND 3PIN ASS3 CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable



PART NO

1200 / 50 31-2367-027
1280 / 80 31-2367-037

FIXATION 90° FRONT AND 3PIN ASS3 CONNECTION



DESCRIPTION

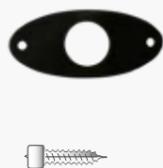
with 0,5 m cable
with 1,5 m cable



PART NO

1200 / 50 31-2367-047
1200 / 50 31-2367-057

SPARE PARTS

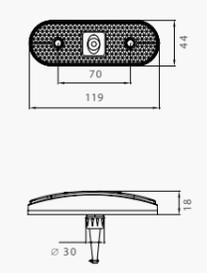


DESCRIPTION
 rubber pad
 fixation 90° to the front
 fixation 90° to the back
 straight bracket
 screws for angle

PART NO
 15-5111-007
 15-5321-107
 15-5321-207
 15-5321-007
 14-S418-307

UNIPOINT I LED

SURFACE MOUNT VERSION PRE-ASSEMBLED WITH P&R CONNECTION

GENERAL DESCRIPTION

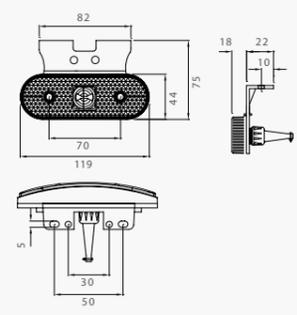
- with reflector
- high light output with low current consumption
- with ASS1/ASS2 connection on the backside of the lamp

DESCRIPTION
 with 0,5 m cable
 with 1,0 m cable
 with 1,5 m cable

PART NO
 2700 / 135 31-2004-017
 2400 / 120 31-2004-027
 2100 / 105 31-2004-037



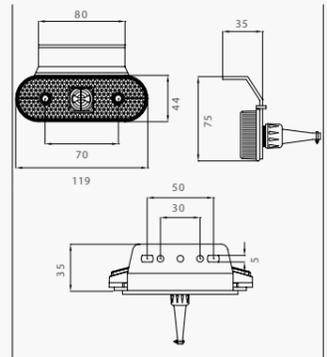
FIXATION 90° BACK PRE-ASSEMBLED WITH P&R CONNECTION

DESCRIPTION
 with 0,25 m cable
 with 0,5 m cable
 with 1,0 m cable
 with 1,5 m cable

PART NO
 2100 / 105 31-2064-007
 1800 / 90 31-2064-017
 1500 / 75 31-2064-027
 1500 / 75 31-2064-037

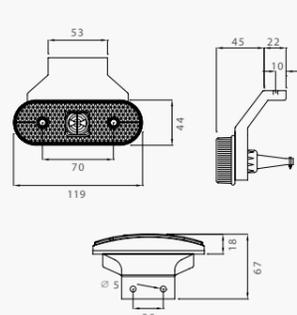
FIXATION 90° FRONT PRE-ASSEMBLED WITH P&R CONNECTION

DESCRIPTION
 with 0,25 m cable
 with 0,5 m cable
 with 1,0 m cable
 with 1,5 m cable

PART NO
 31-2064-707
 31-2064-717
 31-2064-727
 31-2064-737

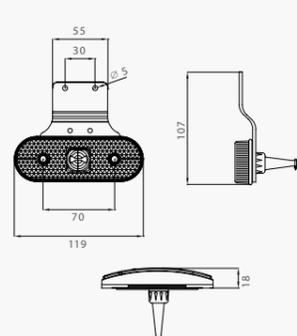
FIXATION SLOPING ANGLE PRE-ASSEMBLED WITH P&R CONNECTION

DESCRIPTION
 with 0,5 m cable
 with 1,0 m cable
 with 1,5 m cable

PART NO
 1800 / 90 31-2064-217
 1500 / 75 31-2064-227
 1200 / 60 31-2064-237

FIXATION STRAIGHT PRE-ASSEMBLED WITH P&R CONNECTION

DESCRIPTION
 with 0,5 m cable
 with 1,0 m cable
 with 1,5 m cable

PART NO
 31-2064-417
 31-2064-427
 31-2064-437

SURFACE MOUNT VERSION WITH 3PIN ASS3 CONNECTION



DESCRIPTION
 with 0,5 m cable
 with 1,5 m cable

PART NO
 2400 / 100 31-2007-237
 1800 / 75 31-2007-247

FIXATION 90° BACK AND 3PIN ASS3 CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable



1800 / 75
1200 / 50

PART NO

31-2067-097
31-2067-107

FIXATION 90° FRONT AND 3PIN ASS3 CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,5 m cable



1200 / 50
1200 / 50

PART NO

31-2067-687
31-2067-697

UNIPOINT I VERTICAL WITH REFLECTOR AND P&R CONNECTION



DESCRIPTION

Vertical version with
1,5 m cable



PART NO

31-2004-107

SPARE PARTS



DESCRIPTION

Lens loose
Lens loose incl. fixation 90° to the back
Lens loose incl. sloping angle to the back
Connection loose single grommet
Connection loose double grommet
front cable supply for Unipoint with 0,25 m P&R
fixation 90° back
straight bracket
Sloping angle to the back
Sloping angle to the front
Expanding rivet for lamp 14-15mm



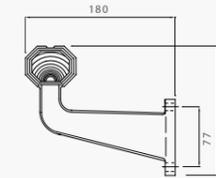
PART NO

21-2000-004
21-2000-014
21-2000-024
15-5624-014
15-5624-024
68-5018-007
15-5319-007
15-5317-007
15-5317-017
15-5319-307
14-4596-007

SUPERPOINT I



END OUTLINE MARKER WITH P&R CONNECTION



GENERAL DESCRIPTION

- water proof double chamber system
- moisture or salt water is not able to progress to the contact area after a mechanical defect – no loss off he lighting system
- flexible fitting arm (rubber)

DESCRIPTION

red/white LHS with 0,75 m cable
red/white RHS with 0,75 m cable
red/white LHS with 1,25 m cable
black/white LHS with 1,25 m cable
red/white RHS with 1,25 m cable
black/white RHS with 1,25 m cable
red/white LHS with 1,75 m cable
black/white LHS with 1,86 m cable
red/white RHS with 1,75 m cable
black/white RHS with 1,86 m cable

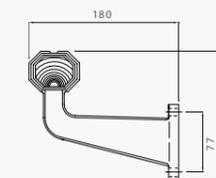


800 / 50
800 / 50
800 / 50
800 / 50
800 / 50
800 / 50
800 / 50
800 / 50
800 / 50
800 / 50

PART NO

31-3504-167
31-3504-107
31-3504-017
31-3504-037
31-3504-007
31-3504-027
31-3504-057
31-3504-077
31-3504-047
31-3504-067

END OUTLINE MARKER WITH OPEN END



DESCRIPTION

red/white left 3,0 m cable
red/white right 3,0 m cable
black/white left 3,0m cable
red/white right 3,0 m cable



PART NO

31-3503-087
31-3502-087
31-3503-017
31-3502-017

SPARE PARTS



DESCRIPTION

lens red/white
lens black/white
single connector in plastic bag
rubber arm for Superpoint
bulb 24 V 4W
Superpoint red/white loose in plastic bag
front connection with housing and bulb 0,5 m open end



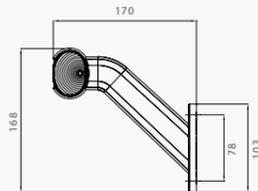
PART NO

18-8135-007
18-8135-027
15-2128-544
15-2135-004
16-6304-007
21-3500-004
31-2800-007

SUPERPOINT II



VERSION STANDARD WITH P&R CONNECTION



GENERAL DESCRIPTION

- water proof double chamber system
- moisture or salt water is not able to progress to the contact area after a mechanical defect – no loss of the lighting system
- flexible fitting arm (rubber)
- with integrated side marker lamp

DESCRIPTION

DESCRIPTION	960 / 60	31-3404-017
rd/wt left with 1,25 m cable	960 / 60	31-3404-007
rd/ws right with 1,25 m cable	960 / 60	31-3404-037
bla/wt left with 1,25 m cable	960 / 60	31-3404-027
bla/wt right with 1,25 m cable	960 / 60	

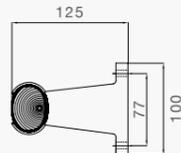
STANDARD VERSION WITH ASS1 CONNECTION



DESCRIPTION

DESCRIPTION	960 / 60	31-3405-007
rd/wt left with 1,75 m cable	960 / 60	31-3406-007
rd/wt right with 1,75 m cable	960 / 60	31-3405-017
bla/wt left with 1,75 m cable	960 / 60	31-3406-017
bla/wt right with 1,75 m cable	960 / 60	

SHORT VERSION WITH P&R CONNECTION



DESCRIPTION

DESCRIPTION	800 / 50	31-3704-087
red/white, left/right usable with 1,25 m cable	800 / 50	31-3704-077
black/white left/right usable with 1,25 m cable	800 / 50	

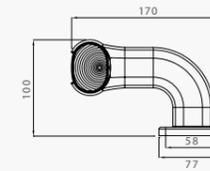
SHORT VERSION WITH ASS1 CONNECTION



DESCRIPTION

DESCRIPTION	800 / 50	31-3707-027
rd/wt, left/right usable 1,75 m cable	800 / 50	31-3707-037
bla/wt, left/right usable 1,75 m cable	800 / 50	

EARPOINT VERSION WITH P&R CONNECTION



DESCRIPTION

rd/wt li with 1,25 m cable	800 / 50	31-3804-017
rd/wt re with 1,25 m cable	800 / 50	31-3804-007
black/white left with 1,25 m cable	800 / 50	31-3804-037
black/white right with 1,25 m cable	800 / 50	31-3804-027

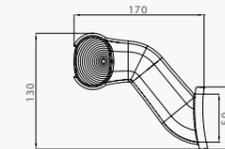
EARPOINT VERSION WITH ASS1 CONNECTION



DESCRIPTION

rd/wt left with 1,75 m cable	800 / 50	31-3805-007
rd/wt right with 1,75 m cable	800 / 50	31-3806-007
bla/wt left 1,75 m cable	800 / 50	31-3805-017
bla/wt right 1,75 m cable	800 / 50	31-3806-017

ECOPOINT VERSION WITH P&R CONNECTION



DESCRIPTION

red/white left with 1,25 m cable	800 / 50	31-3604-057
red/white right with 1,25 m cable	800 / 50	31-3604-047
black/white left with 1,25 m cable	800 / 50	31-3604-077
black/white right with 1,25 m cable	800 / 50	31-3604-067

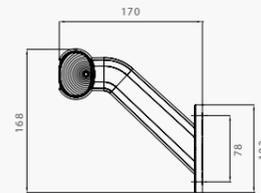
ECOPOINT VERSION WITH ASS1 CONNECTION



DESCRIPTION

rd/wt left with 1,75 m cable	800 / 50	31-3605-007
rd/wt right with 1,75 m cable	800 / 50	31-3606-007
black/white left with 1,75 m cable	800 / 50	31-3605-017
black/white right with 1,75 m cable	800 / 50	31-3606-017

VERSION STANDARD WITH 3 POL. ASS3 CONNECTION



DESCRIPTION

red/white right with 1,25 m cable
 red/white left with 1,25 m cable



960 / 60
 960 / 60

PART NO
 31-3406-067
 31-3405-077

SPARE PARTS



DESCRIPTION

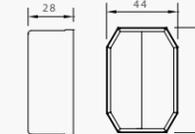
Lens red/white/orange
 Lens black/white/orange
 Bulb connection inkl.
 Bulb and 0,5 m cable
 angle bracket for end outline marker
 bulb 24V 4W



PART NO
 18-8136-007
 18-8137-007
 31-2800-007
 15-5313-007
 16-6304-007

FLEXIPOINT I

FLEXIPOINT RED/WHITE WITH P&R CONNECTION



GENERAL DESCRIPTION

- festoon bulb 5 Watt - shock proof
- cable entry with rubber grommet
- lens double screwed
- flexible mounting possibilities
- bracket in various mounting possibilities

DESCRIPTION

with 0,5 m cable
 with 1,5 m cable

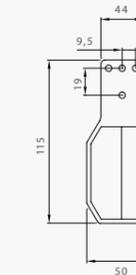


1600 / 100
 1600 / 100

PART NO
 31-6504-177
 31-6504-187



WITH BRACKET AND P&R CONNECTION



DESCRIPTION

left 0,5 m cable
 right 0,5 m cable
 left 1,0 m cable
 right 1,0 m cable
 left 1,5 m cable
 right 1,5 m cable
 left 5,0 m cable
 right 5,0 m cable



PART NO
 31-6564-077
 31-6564-067
 31-6564-177
 31-6564-167
 31-6564-157
 31-6564-147
 31-6564-227
 31-6564-217

SPARE PARTS



DESCRIPTION

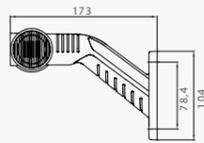
Flexipoint red/white loose in plastic bag
 Flexipoint red/white loose with bracket in plastic bag
 bracket
 90° bracket
 turnable flat bracket
 flexible straight rubber holder
 sloping holder
 festoon 24V 5W



PART NO
 21-6513-007
 21-6513-217
 15-5310-107
 15-5318-007
 15-5316-007
 15-5312-107
 15-5314-107
 16-6705-007

SUPERPOINT III LED

STANDARD VERSION WITH P&R CONNECTION



GENERAL DESCRIPTION

- end outline marker in clear glass design complete in LED
- impact resistant polycarbonate construction of lens
- flexible fitting arms (rubber)
- lamp includes side marker lamp

DESCRIPTION

red/white/orange left, with 1250 mm cable
 red/white/orange right, with 1250 mm cable
 black/white/orange left, with 1250 mm cable
 black/white/orange right, with 1250 mm cable



Quantity	Part No
1000 / 50	31-3304-047
1000 / 50	31-3304-057
1000 / 50	31-3304-067
1000 / 50	31-3304-077

STANDARD VERSION WITH ASS2 CONNECTION



DESCRIPTION

red/white/orange left, with 1750 mm cable
 red/white/orange right, with 1750 mm cable
 black/white/orange left, with 1750 mm cable
 black/white/orange right, with 1750 mm cable



Quantity	Part No
	31-3305-017
	31-3306-017
	31-3305-027
	31-3306-027

STANDARD VERSION, OPEN END



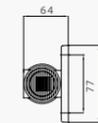
DESCRIPTION

red/white/orange left, with 4000 mm cable
 red/white/orange right, with 4000 mm cable
 black/white/orange left, with 4000 mm cable
 black/white/orange right, with 4000 mm cable



Quantity	Part No
	31-3303-007
	31-3302-007
	31-3303-017
	31-3302-017

VERSION DIRECT MOUNTING WITH P&R CONNECTION



DESCRIPTION

red/white/orange left/right 1500 mm cable
 black/white/orange left/right 1500 mm cable



Quantity	Part No
	31-3364-007
	31-3364-017

VERSION DIRECT MOUNTING, OPEN END



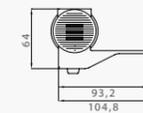
DESCRIPTION

red/white/orange left/right 4000 mm cable
 black/white/orange left/right 4000 mm cable



Quantity	Part No
	31-3360-007
	31-3360-017

VERSION WITH PENDULAR BRACKET, P&R CONNECTION



DESCRIPTION

red/white/orange left 1500 mm cable
 red/white/orange right 1500 mm cable
 black/white/orange left 1500 mm cable
 black/white/orange right 1500 mm cable



Quantity	Part No
	31-3364-057
	31-3364-027
	31-3364-047
	31-3364-037

VERSION WITH PENDULAR BRACKET, OPEN END



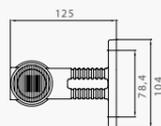
DESCRIPTION

red/white/orange left 4000 mm cable
 red/white/orange right 4000 mm cable
 black/white/orange left 4000 mm cable
 black/white/orange right 4000 mm cable



Quantity	Part No
	31-3365-017
	31-3366-027
	31-3365-027
	31-3366-017

STRAIGHT VERSION WITH P&R CONNECTION



DESCRIPTION

red/white/orange right/left P&R
1250 mm cable
black/white/orange right/left
P&R 1250 mm cable



1000 / 50

PART NO

31-3304-097

1000 / 50

31-3304-087

STRAIGHT VERSION WITH ASS1 CONNECTION



DESCRIPTION

red/white/orange right/left
1750 mm cable
black/white/orange right/left
1750 mm cable



PART NO

31-3307-017

31-3307-007

STRAIGHT VERSION, OPEN END



DESCRIPTION

red/white/orange right/left
4000 mm cable
black/white/orange right/left
4000 mm cable



1000 / 50

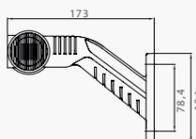
PART NO

31-3300-337

1000 / 50

31-3300-327

STANDARD VERSION WITH 3 POL. ASS3



DESCRIPTION

red/white/orange right, with
1250 mm cable
black/white/orange right, with
1250 mm cable
red/white/orange left, with
1250 mm cable
black/white/orange left, with
1250 mm cable



600 / 25

PART NO

31-3306-127

600 / 25

31-3306-167

600 / 25

31-3305-127

600 / 25

31-3305-167

SPARE PARTS



DESCRIPTION

Superpoint III LED Lens red/
white/orange 4 m open end
Superpoint III LED Lens black/
white/orange 4 m open end
Superpoint III rubber arm lose
(standard version)
Superpoint III rubber iarm lose
(straight version)
Superpoint III rubber arm lose
(direct mounting)
Superpoint III rubber arm lose
(pendant bracket)



PART NO

21-3351-707

21-3350-707

21-3300-007

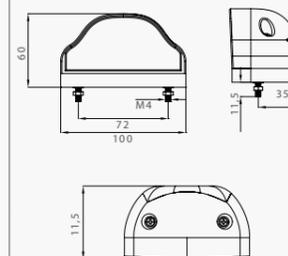
21-3302-007

15-5325-007

15-5325-107

REGPOINT

WITH P&R CONNECTION



GENERAL DESCRIPTION

- number plate light with modern design
- festoon bulb 5W - shock proof
- cable glands as cable entry on the bottom of the lamp
- various mounting options

DESCRIPTION

with 0,5 m cable
with 1,0 m cable
with 3,5 m cable



1600 / 100

PART NO

36-3004-017

36-3004-027

36-3004-057



WITH ASS1 CONNECTION



DESCRIPTION

with 0,5 m cable
with 1,0 m cable
with 2,5 m cable



1600 / 100

PART NO

36-3007-007

36-3007-057

36-3007-047

WITH 3 PIN. ASS3 CONNECTION



DESCRIPTION

with 0,5 m cable



1600 / 100

PART NO

36-3007-397

SPARE PARTS



DESCRIPTION

complete lamp with cable
glands in plastic bag
festoon bulb 24V/5W

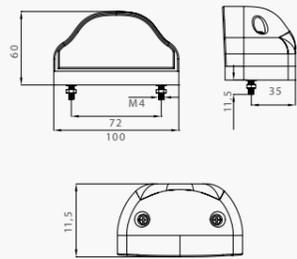


PART NO

26-3000-004

16-6705-007

REGPOINT RED



GENERAL DESCRIPTION

- number plate light with modern design
- festoon bulb 5W - shock proof
- cable glands as cable entry on the bottom of the lamp
- red lens - ATTENTION: note legal regulations
- various mounting options

DESCRIPTION

Lamp red complete with cable glands



1600 / 100

PART NO
26-3010-004

SPARE PARTS



DESCRIPTION

transparent red lens

Festoon bulb 24V 5W



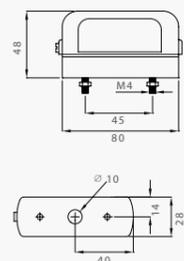
18-8630-104

PART NO
18-8630-104

16-6705-007

PART NO
16-6705-007

REGPOINT SMALL



DESCRIPTION

with 0,5 m with P&R



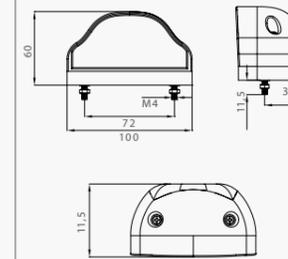
1600 / 100

PART NO
36-1204-037

REGPOINT LED



WITH P&R CONNECTION



GENERAL DESCRIPTION

- LED number plate light
- same dimensions like the bulb version
- high light yield with 2 LEDs
- cable and lightning devices are shed

DESCRIPTION

with 0,5 m cable
with 1,0 m cable
with 3,5 m cable



1600 / 100
1600 / 100
960 / 60

PART NO
36-3604-007
36-3604-017
36-3604-027

WITH 2 PIN ASS2 CONNECTOR



DESCRIPTION

with 0,5 m cable
with 1,0 m cable
with 3,5 m cable

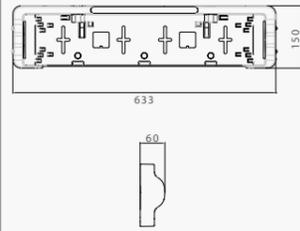


1200 / 50
1200 / 50

PART NO
36-3607-007
36-3607-017
36-3607-027

NUMBER PLATE HOLDER LED

VERSION WITH P&R CONNECTION WITHOUT 3RD STOP LIGHT



GENERAL DESCRIPTION

- fitting for each european number plates (except UK)
- integrated LED lighting on both sides
- simple mounting
- small dimensions
- only 1 connection for both lamps

DESCRIPTION

- with 0,5 m P&R
- with 1,0 m P&R
- with 3,5 m P&R

			PART NO
with 0,5 m P&R	120	/ 10	36-3764-007
with 1,0 m P&R	120	/ 10	36-3764-017
with 3,5 m P&R	120	/ 10	36-3764-027

VERSION WITH ASS2 CONNECTION WITHOUT 3RD STOP LIGHT



DESCRIPTION

- with 0,5 m flat cable
- with 1,0 m flat cable
- with 3,5 m flat cable

			PART NO
with 0,5 m flat cable	120	/ 10	36-3767-007
with 1,0 m flat cable	120	/ 10	36-3767-017
with 3,5 m flat cable	120	/ 10	36-3767-027

VERSION OPEN END WITH 3RD STOP LIGHT



DESCRIPTION

- with 3,5 m cable without 3rd stop light
- with 3,5 m cable and 3rd stop light 2,0 m cable open end

			PART NO
with 3,5 m cable without 3rd stop light	120	/ 10	36-3760-007
with 3,5 m cable and 3rd stop light 2,0 m cable open end	120	/ 10	36-3760-017

SPARE PARTS

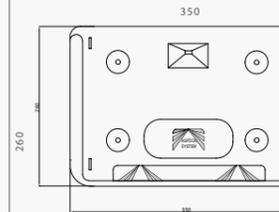
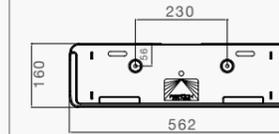


DESCRIPTION

- 3rd stop light 2,0 m cable open end

			PART NO
3rd stop light 2,0 m cable open end			31-8900-027

NUMBER PLATE PAD



GENERAL DESCRIPTION

- fixation of the number plate with flexible rubber holder
- for single-line and double-line number plates

DESCRIPTION

- Number plate pad 520x120x28 mm
- Number plate pad „Version UK“, 345x256x28 mm
- Number plate pad, 345x256x28mm including number plate light with 1 m P&R

			PART NO
Number plate pad 520x120x28 mm	720	/ 36	15-5392-017
Number plate pad „Version UK“, 345x256x28 mm	360	/ 30	15-5398-507
Number plate pad, 345x256x28mm including number plate light with 1 m P&R			87-1272-004

SPARE PARTS

DESCRIPTION

- Bracket for Regpoint Lamp
- Bracket for 3rd stop light
- 3rd stop light 2m open end

			PART NO
Bracket for Regpoint Lamp			15-5398-067
Bracket for 3rd stop light			15-5398-057
3rd stop light 2m open end			31-8900-027

3RD STOP LIGHT



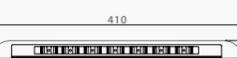
Surface mount version



version incl. housing



surface mounting version



GENERAL DESCRIPTION

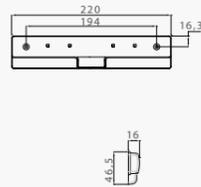
- various mounting possibilities
- increasing safety in traffic
- compact dimensions

DESCRIPTION

- surface mount version with 0,5 m open end
- surface mount version with 2,0 m ASS1 connection
- including housing with 0,5 m open end
- including surface-case with 2,0 m open end

			PART NO
surface mount version with 0,5 m open end	1600	/ 100	31-8900-017
surface mount version with 2,0 m ASS1 connection			31-8907-007
including housing with 0,5 m open end	1600	/ 100	31-8910-017
including surface-case with 2,0 m open end	800	/ 50	31-9000-057

LED-INTERIOR LAMP



GENERAL DESCRIPTION

- high-power LEDs for a high output
- compact dimensions
- easy mounting
- universal using

DESCRIPTION

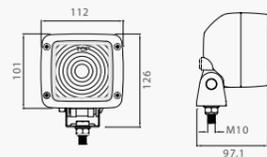
- with 0,25 m P&R
- with 1,50 m P&R
- with 0,25 m open end
- with 1,50 m open end

	1000 / 20	800 / 50	800 / 50	800 / 50
PART NO	39-8704-007	39-8704-017	39-8700-007	39-8700-017

WORKING LIGHT - REVERSING LIGHT



version 21W



GENERAL DESCRIPTION

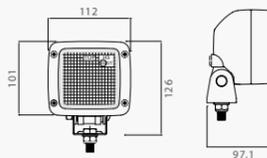
- according to the new guidelines it is able to be mounted as working light as well as reversing light
- in 21W version and 70W version available
- large high light output in spite of compact dimensions
- swinging socket

DESCRIPTION

- 21W with 1,5 m ASS2
- 21W with 2,5 m ASS2
- 21W with 2,5 m open end
- 70W H3 with 1,5 m ASS2
- 70W H3 with 2,5 m ASS2
- 70W H3 with 2,5 m open end

	320 / 20	320 / 20	320 / 20	320 / 20	640 / 40	320 / 20
PART NO	38-9007-007	38-9007-017	38-9000-007	38-9107-007	38-9107-017	38-9100-007

version 70W



SPARE PARTS

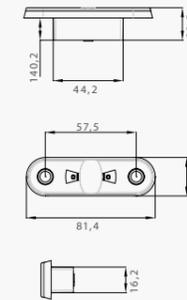
DESCRIPTION

- RFS 21 W - as spare part incl. 24V 21W bulb
- RFS 70 W - as spare part incl. 24V 70W H3 lamp

	28-9000-007	28-9100-007
PART NO	28-9000-007	28-9100-007

POSIPOINT II LED BLUE, GREEN, ORANGE, RED AND WHITE

POSIPOINT II LED OPEN END



GENERAL DESCRIPTION

- transparent housing with 2LEDs
- available in various colours
- can be used indoor and outdoor
- ATTENTION - no approval!!!

DESCRIPTION

- blue 0,30 m cable
- green 0,30 m cable
- orange 0,30 m cable
- red 0,30 m cable
- white 0,30 m cable

	31-7300-067	31-7300-077	31-7300-087	31-7200-087	31-7100-107
PART NO	31-7300-067	31-7300-077	31-7300-087	31-7200-087	31-7100-107

SPARE PARTS



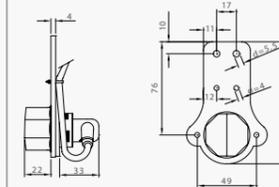
DESCRIPTION

- housing for surface fitting - Posipoint II

	15-5609-107
PART NO	15-5609-107

STARPOINT

STARPOINT WITH 2 PIN ASS1



GENERAL DESCRIPTION

- lenses are available in different colours
- standardcolour: green/black
- colours on demand: green, red, white, red/white
- available with P&R System
- available with different brackets

DESCRIPTION

- „ABS“ control-light green/black with 13 m cable
- „ABS“ control-light green/black with 8 m cable
- „ABS“ control-light green/black with 9,5 m cable
- „ABS“ control-light green/black with 21 m cable
- „ABS“ control-light green/black with 11 m cable

	31-1867-007	31-1867-017	31-1867-027	31-1867-037	31-7100-107
PART NR.	31-1867-007	31-1867-017	31-1867-027	31-1867-037	31-7100-107

SPARE PARTS

DESCRIPTION

- bulb 24V 4W
- pendulum holder incl. rivet

	16-6304-007	15-2119-017
PART NR.	16-6304-007	15-2119-017

24V Standard Wiring Systems



FRONT CONNECTION

FRONT CONNECTION WITH 17 PIN ASS3 CONNECTOR, VERSION PVC

	DESCRIPTION		PART NO
	4,8 m and 15pin plug	240 / 10	53-1666-047
	4,8 m and N+S plug	240 / 10	58-6020-057
	0,6 m cable and 15pin socket	600 / 25	53-6769-007
	0,6 m and N+S socket	480 / 20	58-6650-007
	N+S and 15pin socket	360 / 15	58-6648-007

FRONT CONNECTION WITH 17 PIN ASS3 CONNECTOR, VERSION ADR

	DESCRIPTION		PART NO
	4,8 m and 15pin plug	240 / 10	53-1666-037
	4,8 m and N+S plug	240 / 10	58-6024-017
	0,6 m cable and 15pin socket	600 / 25	53-6768-007

	DESCRIPTION		PART NO
	0,6 m and N+S socket	500 / 25	58-6649-007
	N+S and 15pin socket	240 / 10	58-6647-007

MAIN CABLES

MAIN CABLE WITH 17 PIN ASS3 CONNECTION, VERSION PVC

	DESCRIPTION		PART NO
	9,0 m 6x1+2x2,5mm²	120 / 5	65-1004-007
	12,5 m 6x1+2x2,5mm²	240 / 5	65-1004-017
	15,0 m 6x1+2x2,5mm²	240 / 5	65-1004-027
	9,0 m 7x1+1x1,5+2x2,5mm²	240 / 5	65-1006-007
	12,5 m 7x1+1x1,5+2x2,5mm²	240 / 5	65-1006-017
	15,0 m 7x1+1x1,5+2x2,5mm²	96 / 4	65-1006-027
	9,0 m 12x1+3x2,5mm²	120 / 5	65-1008-007
	12,5 m 12x1+3x2,5mm²	96 / 4	65-1008-017
	15,0 m 12x1+3x2,5mm²	72 / 3	65-1008-027

MAIN CABLE WITH 17 PIN ASS3 CONNECTION, VERSION ADR

	DESCRIPTION		PART NO
	9,0 m 6x1+2x2,5mm²	120 / 5	65-1003-007
	12,5 m 6x1+2x2,5mm²	120 / 5	65-1003-017
	15,0 m 6x1+2x2,5mm²	120 / 5	65-1003-027
	9,0 m 7x1+1x1,5+2x2,5mm²	120 / 5	65-1005-007
	12,5 m 7x1+1x1,5+2x2,5mm²	120 / 5	65-1005-017
	15,0 m 7x1+1x1,5+2x2,5mm²	96 / 4	65-1005-027
	9,0 m 12x1+3x2,5mm²	120 / 5	65-1007-007
	12,5 m 12x1+3x2,5mm²	96 / 4	65-1007-017
	15,0 m 12x1+3x2,5mm²	72 / 3	65-1007-027

SML-LOOM / FLAT CABLE

FLATCABLE, 2 x 1,5MM², FOR P&R CONENCTION, VERSION PVC



DESCRIPTION

13 m cable, ASS1
 15 m cable, ASS1
 16 m cable, ASS1
 17 m cable, ASS1



240 / 10
 240 / 10
 240 / 10
 240 / 10

PART NO

68-7502-007
68-7502-017
68-7502-167
68-7502-027

FLATCABLE, 2 x 1,5MM², FOR P&R CONENCTION, VERSION ADR



DESCRIPTION

13 m cable, ASS1
 15 m cable, ASS1
 16 m cable, ASS1
 17 m cable, ASS1

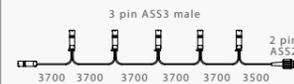


240 / 10
 240 / 10
 192 / 8
 240 / 10

PART NO

68-7503-007
68-7503-017
68-7503-177
68-7503-027

SML-LOOM WITH 3 PIN ASS3 CONNECTIONS, VERSION PVC



DESCRIPTION

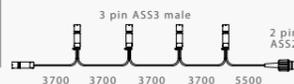
with 6x ASS3 3 pin + 1x ASS2



240 / 10

PART NO

87-1288-007



with 5x ASS3 3 pin + 1x ASS2

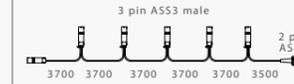


360 / 15

PART NO

87-1287-007

SML-LOOM WITH 3PIN ASS3 CONNECTIONS, VERSION ADR



DESCRIPTION

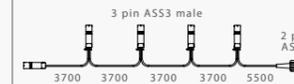
with 6x ASS3 3 pin. + 1x ASS2



240 / 10

PART NO

87-1285-007

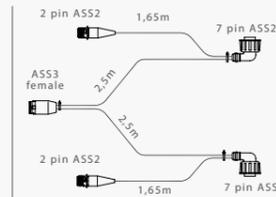


with 5x ASS3 3 pin. + 1x ASS2

240 / 10

87-1284-007

REAR SUPPLY CABLE



DESCRIPTION

ADR version
 PVC version



384 / 16
 384 / 16

PART NO

68-4983-007
68-4984-007

ADAPTER CABLES

ADAPTER CABLE WITH 17 PIN ASS3 CONNECTION, VERSION ADR

	DESCRIPTION		PART NO
	8 core cable with single connection for brake	1200 / 50	66-8892-007
	9 core cable with double connection for reverse and rear fog	720 / 30	66-8893-007
	Y-Kabel 3pol. ASS3	3600 / 150	65-6499-007
	extension for SML chain eg: 87-1288-007	2400 / 100	87-1286-007

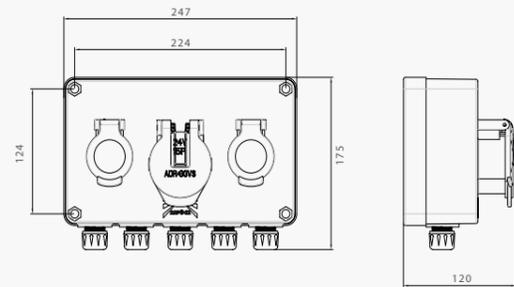
EXTENSION CABLE

	DESCRIPTION		PART NO
	extension cable 3 pin ASS3 0,5 m	2400 / 100	65-1499-007
	extension cable 3 pin ASS3 0,5 m	2400 / 100	65-1499-017

24V Junction Boxes



3-SOCKET JUNCTION BOX



GENERAL DESCRIPTION

- pre-assembled multifunction housing
 - 1) socket ISO 1185
 - 2) socket ISO 3731
 - 3) socket ISO 12098
- Interchangeable housings in bayonet version ISO 1185, 3731, and 12098
- 5 pins (cable glands or 2 pin ASS2 connection)

DESCRIPTION

- 0,6 m 17pin ASS3 connection
- 0,6 m 15pin bayonet connection



PART NO

144 / 6	76-7037-007
144 / 6	76-7002-007

SPARE PARTS



DESCRIPTION

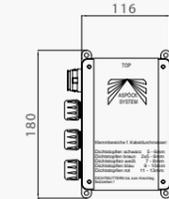
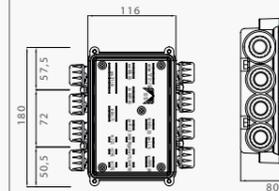
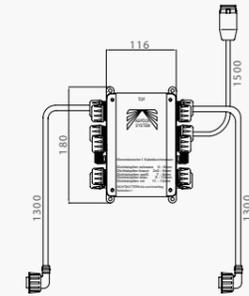
- Pre-wired spare part for self mounting
- Complete wired cable set with connector strip and inserts
- Insert ISO12098 (15pin)
- Insert ISO1185 (7pin)
- Insert ISO3731 (7pin)



PART NO

76-7001-007
58-3008-007
69-0001-004
69-0002-004
69-0003-004

JUNCTION BOX ASS1



GENERAL DESCRIPTION

- easy and time-saving mounting of the junction box by pre-wiring
- not necessary to open the box - absolutely waterproof IP54
- colored coding outside determines function
- all cables in colors and numbers according to ISO 12098 (15pins)
- all flat plugs in the box are 6,3 mm spades
- the unused entries on the cover are spare entries for the trailer user

DESCRIPTION

- with rear lamp connection ADR
- with rear lamp connection PVC
- with ASS3 direct connector



PART NO

192 / 8	76-6430-007
160 / 10	76-6431-007
400 / 25	76-5123-007

SPARE PARTS



DESCRIPTION

- junction box loose with high cover
- junction box loose with low cover



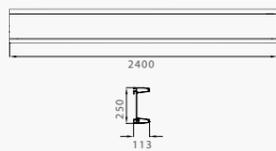
PART NO

336 / 14	76-5100-007
400 / 25	76-5100-047

24V Rear Bumper



ASPÖCK ALUMINIUM REAR BUMPER



GENERAL DESCRIPTION

- types: 2,4 m anodized or white, pre-drilled for all necessary lights and junction boxes
- net weight without wiring or surface mounting parts about 17 kg
- "E" approved

DESCRIPTION

loose anodised, only drilled including protection caps



anodised with: Europoint I, Superpoint I (bulb version) and junction box



anodised with: Ecopoint with end outline marker and junction box



anodised with: Europoint II, Superpoint II and rear supply cable
anodised with: Europoint II LED, Superpoint II and junction box



anodised with: Europoint I, Superpoint II and junction box



PART NO

14-4164-001

97-1252-007

97-1254-007

97-1267-007

97-1269-007

97-1270-007

97-1271-007



DESCRIPTION

loose white, only drilled including protection caps



white with: Europoint I, Superpoint I (bulb version) and junction box



white with: Ecopoint with end outline marker and junction box



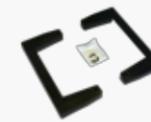
PART NO

14-4164-021

97-1253-007

97-1255-007

SPARE PARTS



DESCRIPTION

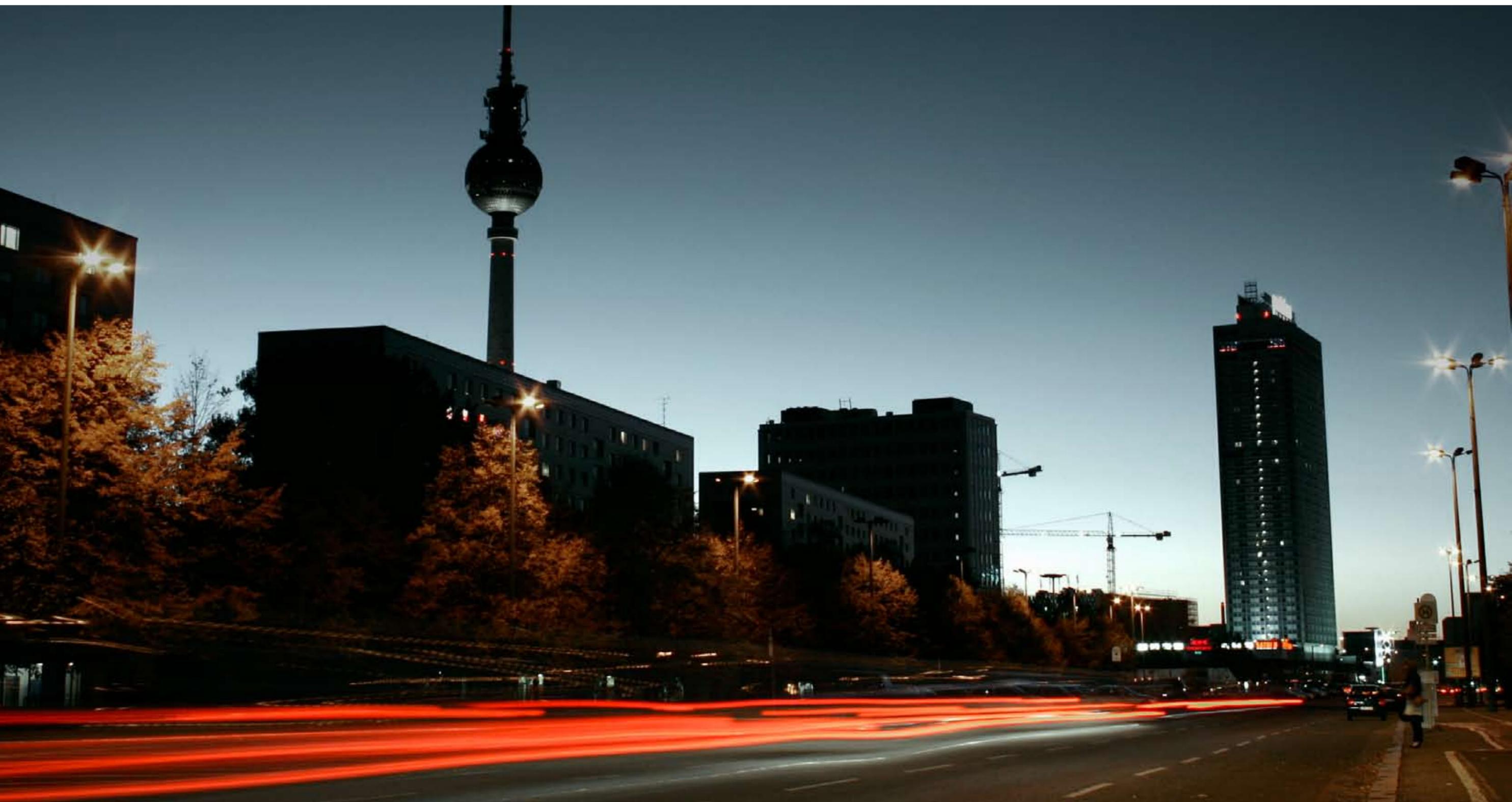
protection caps for aluminium rear bumper (2 pieces)



PART NO

15-5394-014

24V Spare Parts and Accessories



SPARE PARTS AND CONNECTION ELEMENTS

SYSTEMS ASS3 - BOX PACKING



DESCRIPTION

ASS3 3pin. Male
 ASS3 3pin female
 ASS3 17pin. Male
 ASS3 17pin female



PART NO

13-0332-281
 13-0322-281
 13-1722-001
 13-1732-001

SYSTEMS ASS2 - BOX PACKING



DESCRIPTION

ASS2 SML connection
 ASS2 2 pin male yellow
 ASS2 2 pin male green
 ASS2 2 pin male black
 ASS2 2 pin female yellow
 ASS2 2 pin female green
 ASS2 2 pin female black
 ASS2 7 pin male yellow
 ASS2 7 pin male green
 ASS2 7 pin male white
 ASS2 7 pin male black
 ASS2 7 pin female yellow
 ASS2 7 pin female green
 ASS2 7 pin female white
 ASS2 7 pin female black



PART NO

960 / 60	13-5624-041
960 / 60	13-5625-871
960 / 60	13-5625-881
960 / 60	15-0281-021
960 / 60	13-5626-341
960 / 60	13-5626-351
960 / 60	15-5624-031
960 / 60	13-5625-831
960 / 60	13-5625-841
960 / 60	13-5625-851
960 / 60	13-5625-861
960 / 60	13-5626-941
960 / 60	13-5626-951
960 / 60	13-5626-961
960 / 60	13-5626-971

SYSTEMS ASS1 - BOX PACKING



DESCRIPTION

ASS1 2 pin male yellow
 ASS1 2 pin male green
 ASS1 2 pin male black
 ASS1 2 pin female yellow
 ASS1 2 pin female green
 ASS1 2 pin female black
 ASS1 7 pin male yellow
 ASS1 7 pin male green
 ASS1 7 pin male white
 ASS1 7 pin male black
 ASS1 7 pin female yellow
 ASS1 7 pin female green
 ASS1 7 pin female white
 ASS1 7 pin female black



PART NO

960 / 60	13-5625-211
960 / 60	13-5625-231
960 / 60	13-5625-361
960 / 60	13-5626-261
960 / 60	13-5626-271
960 / 60	13-5626-331
960 / 60	13-5625-751
960 / 60	13-5625-811
960 / 60	13-5625-771
960 / 60	13-5625-821
960 / 60	13-5626-931
960 / 60	13-5626-921
960 / 60	13-5626-901
960 / 60	13-5626-911

SYSTEMS BAYONET - BOX PACKING



DESCRIPTION

Bayonet 2 pin male yellow
 Bayonet 2 pin male green
 Bayonet 2 pin male black
 Bayonet 2 pin female yellow
 Bayonet 2 pin female green
 Bayonet 2 pin female black
 Bayonet 7 pin male white
 Bayonet 7 pin male grey
 Bayonet 7 pin female white
 Bayonet 7 pin female grey
 Bayonet 8 pin male yellow
 Bayonet 8 pin male green
 Bayonet 8 pin male black
 Bayonet 8 pin female yellow
 Bayonet 8 pin female green
 Bayonet 8 pin female black
 Bayonet 15 pin male
 Bayonet 15 pin female



PART NO

13-0230-031
13-0232-031
13-0236-031
13-0220-031
13-0222-031
13-0226-041
13-0834-021
13-0836-021
13-0824-031
13-0826-031
13-0831-031
13-0833-031
13-0838-061
13-0821-051
13-0823-041
13-0828-061
13-1530-101
13-1520-051

ASS1 SYSTEMS - PLASTIC BAG



DESCRIPTION

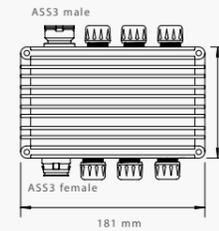
- ASS1 2 pin female yellow
- ASS1 2 pin female green
- ASS1 2 pin female black
- ASS1 2 pin black male and female
- ASS1 7 pin female yellow
- ASS1 7 pin female green
- ASS1 7 pin female white
- ASS1 7 pin female black
- 15 pin Bayonet male
- 15 pin Bayonet female



PART NO

- 13-5626-204
- 13-5626-224
- 13-5626-284
- 13-5625-284
- 13-5626-704
- 13-5626-724
- 13-5626-744
- 13-5626-784
- 13-1530-004
- 13-1540-004

LCG 2 - CENTRAL LCG



GENERAL DESCRIPTION

- The LCG 2 adapts the current consumption of Aspöck LED rear lights to the needs of modern trucks
- compact building method (installed at the ASS1 junction box)
- a simple and rapid retrofit into an existing Aspöck lighting system is possible, by the suitable ASS3 plugs
- controls only the flasher functions (power- and failure -control)
- the functions: tail light, brake, fog and reverse light are examined
- per lightning set is only one LCG 2 needed
- ATTENTION only with Aspöck LED rear lights compatibly !!!!

DESCRIPTION

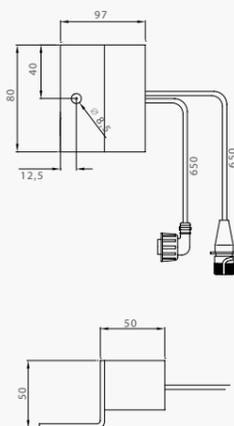
- LCG 2 - standard version
- LCG 2 - ONLY for EcoLED



PART NO

- 75-0310-001
- 75-0309-001

LCG LED-CONTROL-GEAR



GENERAL DESCRIPTION

- The Aspöck LED control gear enables the electric attributes of LED lamps to the needs of modern tractors
- compact construction
- a simple and quick retrofitting in a consisting Aspöck lighting system by the fitting plugs is possible
- controls the following functions: flasher, tail light and stop light in Aspöck LED rear lamps
- **IMPORTANT: for each side 1 LCG is needed - that means 2 LCG per vehicle**

DESCRIPTION

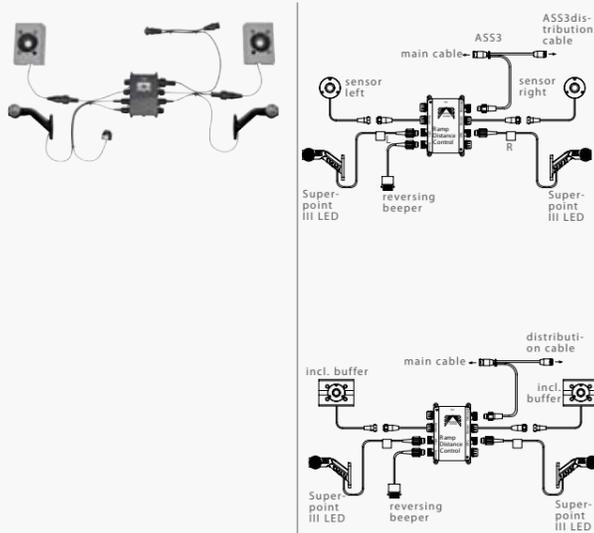
with 7 pin ASS1 and ASS2 connection for rear lamps



PART NO

- 480 / 20
- 75-0300-001

RDC - RAMP DISTANCE CONTROL



GENERAL DESCRIPTION

- this ramp-distance-control is a system of Aspöck to ease the driving to the ramp with truck trailers and to avoid damages on the vehicle
- more security for objects and persons behind the vehicle
- secure driving on the loading ramp
- total action liberty for the driver - no intervention into the brake system
- insert of only 2 adjustable ultrasonic sensors
- optical (by end outline marker) and acoustic (by the reversing beeper) warning signal
- easy installation on the vehicle and easy conversion
- by double put in of the reverse gear you activate the night disconnection of the warning signal

DESCRIPTION

RDC systems, sensor without metal puffer
RDC systems, sensor including metal puffer

DESCRIPTION	QTY	PART NO
RDC systems, sensor without metal puffer	24 / 1	99-3010-061
RDC systems, sensor including metal puffer	24 / 1	99-3010-071

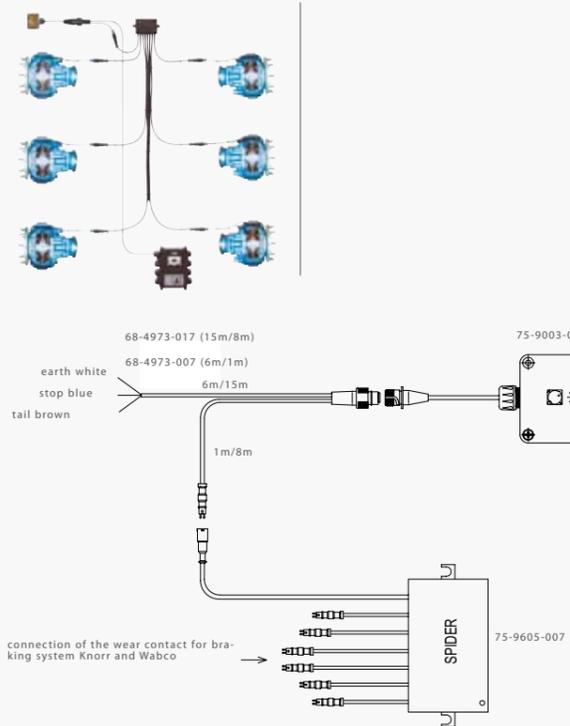
SPARE PARTS

DESCRIPTION

Metal buffer for sensors (1 pc.)
Screw driver to justify the sensors
Connection cable ASS3
RDC-distribution box
Sensor without metal buffers
Sensor with metal buffers
Reversing beeper for RDC
End outline marker, Super-point III LED left
End outline marker, Super-point III LED right

DESCRIPTION	QTY	PART NO
Metal buffer for sensors (1 pc.)		14-4545-007
Screw driver to justify the sensors		10-W172-007
Connection cable ASS3		65-6003-007
RDC-distribution box		76-6425-007
Sensor without metal buffers		75-0201-007
Sensor with metal buffers		75-0201-017
Reversing beeper for RDC		75-0001-007
End outline marker, Super-point III LED left		31-3305-047
End outline marker, Super-point III LED right		31-3306-047

BRAKE PAD WEAR INDICATOR II



GENERAL DESCRIPTION

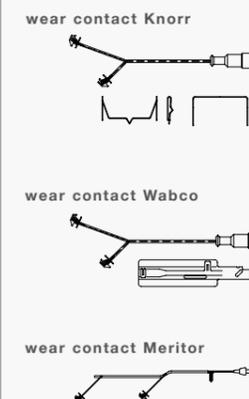
- permanent brake pad monitoring for trailers disk brakes
- works independently from braking system
- fast, simple installation
- fault indication also works in parking and out of service situation through the Aspöck OPTI control

DESCRIPTION

supply cable short 6 m / 1 m
supply cable long 15 m / 8 m
Spider for brake: Knorr and Wabco
Spider for brake: Meritor
Opti-control 1m cable

DESCRIPTION	QTY	PART NO
supply cable short 6 m / 1 m	600 / 25	68-4973-007
supply cable long 15 m / 8 m	240 / 10	68-4973-017
Spider for brake: Knorr and Wabco	240 / 10	75-9605-007
Spider for brake: Meritor	240 / 10	75-9625-007
Opti-control 1m cable	1200 / 50	75-9003-007

SPARE PARTS



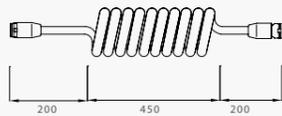
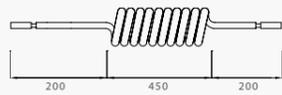
DESCRIPTION

extension cable 3 m for wear contacts
extension cable 5m for wear contacts
wear contact - Knorr for 1 axis (2 pieces)
wear contact Wabco for 1 axis (2 pieces)
wear contact Meritor for 1 axis (2 pieces)
protection cap for locking the connections if only 2 axis are mounted

DESCRIPTION	QTY	PART NO
extension cable 3 m for wear contacts		78-3604-007
extension cable 5m for wear contacts		78-3604-017
wear contact - Knorr for 1 axis (2 pieces)		78-9039-007
wear contact Wabco for 1 axis (2 pieces)		78-9041-007
wear contact Meritor for 1 axis (2 pieces)		78-9042-007
protection cap for locking the connections if only 2 axis are mounted	24000 / 1000	78-3601-007

EXTENSION CABLES

11-CORES (7 x 1 + 1 x 1,5 + 3 x 2,5 QMM)



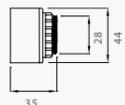
DESCRIPTION

open end, working length 4,5 m with ASS3 connections, working length 4,5 m



PART NO
17-7910-507
65-1022-027

ELECTRONIC REVERSING BUZZER



GENERAL DESCRIPTION

- pulsating tone
- volume 98dv on 1m

DESCRIPTION

1,2 m cable and 2 pin ASS1 connector, IP68

3,5 m cable open end, IP68

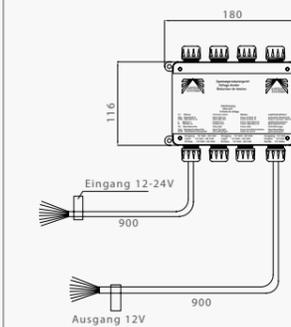
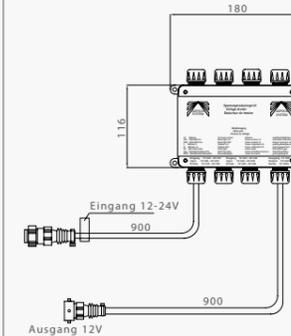
1,2 m cable open end, IP54

built-in version for Europoint I
built-in version for Europoint II



PART NO
75-0000-007
75-0100-007
75-0002-007
12-3922-004
12-3922-014

VOLTAGE REDUCER



GENERAL DESCRIPTION

- The voltage reducer was designed for trailers with 12 V lamps and a towing vehicle with either 24 V or 12 V
- Should a short circuit or overloading occur, the appropriate output switches off. The other outputs remain fully functional.
- The voltage reducer is splash-water and dust-protected and fitted with an automatic voltage recognition (that determines whether the input voltage is 12 V or 24 V, the output voltage remains a constant 12 V)

DESCRIPTION

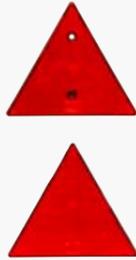
24 V to 12 V with 15 pin bayonet connection
24 V to 12 V with open end cables



PART NO
240 / 15 76-9010-007
240 / 15 76-9009-007

REFLECTORS

TRIANGULAR REFLECTOR



DESCRIPTION		PART NO
screwable	10000 / 250	15-5400-007
self-adhesive	10000 / 250	15-5400-557

REFLECTOR 90 X 40 MM



DESCRIPTION		PART NO
white, self-adhesive	40000 / 500	15-5430-017
red, self-adhesive	40000 / 500	15-5431-017
yellow, self-adhesive	40000 / 500	15-5432-017
yellow, screwable	40000 / 500	15-5432-007

REFLECTOR 76 X 34 MM



DESCRIPTION		PART NO
yellow, self-adhesive	40000 / 500	15-5435-017
white, self-adhesive	40000 / 500	15-5434-017
white with bracket	40000 / 500	15-5434-157

REFLECTOR 80 MM



DESCRIPTION		PART NO
white, screwable	20000 / 500	15-5420-007
red, screwable	20000 / 500	15-5421-007
yellow, screwable	20000 / 500	15-5422-007

REFLECTOR 60 MM



DESCRIPTION		PART NO
white, screwable	40000 / 500	15-5410-007
white, self-adhesive	40000 / 500	15-5410-017
red, screwable	40000 / 500	15-5411-007
red, self-adhesive	40000 / 500	15-5411-017
yellow, screwable	40000 / 500	15-5412-007
yellow, self-adhesive	40000 / 500	15-5412-017

MARKER BOARDS

MARKER BOARD 566 x 197 MM



GENERAL DESCRIPTION

- marker board ECE70

DESCRIPTION

one pair (2 pieces) aluminium
566 x 197 x 1 mm



PART NO
14-4200-002

ENLARGEMENTS



GENERAL DESCRIPTION

- for broadloom trailers
- **ATTENTION** - marker board is not included!

DESCRIPTION

with 2 pieces Superpoint III
LED, with additional exit for
twisting lamp

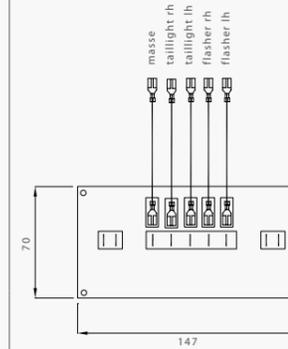
with 3 pieces Superpoint III
LED, with additional exit for
twisting lamp



PART NO
58-1955-007

58-1957-007

SIDE-MARKER-LAMP HAZARD-FLASHER-CIRCUIT-BOARD



GENERAL DESCRIPTION

- SML flashing activated by the warning system
- The board can be programmed to flash all SML along with the indicator lamps (ATTENTION: note legal regulations!)
- The use of electronics protects all SML against short-circuit
- Quick and easy conversion/fitting via Aspöck distributor
- Suitable for all kinds of SML
- Maximum loading capacity: 40 Watt total per side

DESCRIPTION

board including accessories
and assembly instruction for
additional mounting



PART NO
12-1620-014

ISO PLUGS

ISO PLUGS



DESCRIPTION

plug with 7 pins, 24V, ISO 1185, alu housing, with cable glands, single packed in plastic bag

plug with 7 pins, 24V, ISO 3731, alu housing, with cable glands, single packed in plastic bag

plug with 13 pins, 24V, ISO 12098, plastic housing, with grommet

14 pin VBG-plug 24V

15 pin plug 24V, ISO 12098, plastic housing, with grommet



PART NO

13-3020-004

13-3025-004

13-3040-007

13-3150-007

13-3070-007

ISO SOCKETS

ISO SOCKETS



DESCRIPTION

Socket with 7pins 24V, ISO 1185, alu cover

Socket with 7pins 24V, ISO 3731, alu cover

Socket with 13pins 24V, ISO 12098, plastic housing

VBG socket with 14 pins 24V

Socket with 15pins 24V, ISO 12098, plastic housing

Socket with 15pins 24V, ISO 12098, plastic housing, with double exit



PART NO

13-3128-027

13-3129-027

13-3140-007

13-3050-027

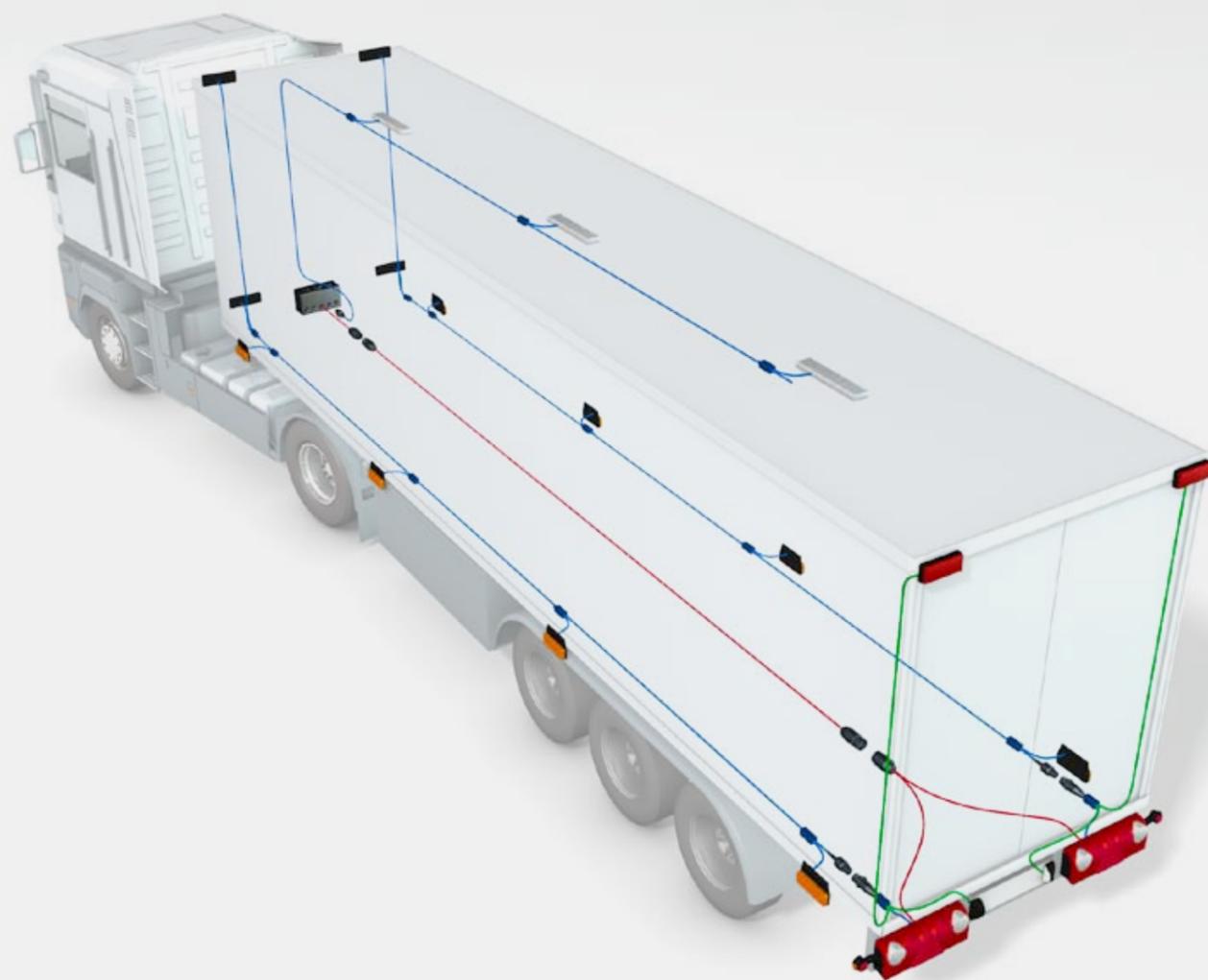
13-3170-007

13-3170-057

24V Installation Regulations



Legal Installation Regulations for Trailers in Accordance with ECE Regulation No 48



FRONT

1. Front end-outline marker lamp*

Installation:	Mandatory for trailers > 2.1 m wide, Permitted for trailers >1.8 m to < 2.1 m wide.
Number:	2
Colour:	White
Installation height:	As high as possible.
Spacing:	Mount as far apart as possible to a max. of 400 mm from the furthest point of the vehicle's width.
Geom. angle of visibility:	Horizontally 80° outwards, vertically 5° above and 20° below the horizontal.
Other regulations:	Any front position (side) lamp or reflex reflector may be installed. Additional reflex reflectors are permissible.

*End-outline marker lamps: special regulation for trailers with canopy: On a trailer with a canopy the end-outline marker lamp can only be installed at the bottom. The front white and rear red end-outline marker lamps may be installed in a single lamp provided the installation regulations and angles of visibility are complied with.

O₁ = trailers up to 0.75 t O₂ = trailers from 0.75 t to 3.5 t O₃ = trailers from 3.5 t to 10 t O₄ = trailers over 10 t

2. Front reflex reflector

Installation:	Mandatory for all trailers.
Number:	2
Colour:	white
Shape:	Not triangular
Installation height:	At least 250 mm, 900 mm max. (exception: 1.500 mm).
Spacing:	There should be a max. of 150 mm and a min. of 600 mm between both reflectors, but at least 400 mm for vehicles with a width of < 1.300 mm.
Geom. angle of visibility:	Horizontally 10° inwards and 30° outwards, vertically ± 10°, but 5° downwards if installation height is < 750 mm.
Other regulations:	The illuminating surface of the reflex reflector may be incorporated in the front position (side) lamp. The installation height of the reflector must be taken into account.

3. Front position (side) lamp

Installation:	Mandatory for trailers > 1.6 m wide, permitted for trailers ≤ 1.6 m wide.
Number:	2
Colour:	white
Installation height:	At least 350 mm, 1.500 mm max. (exception: 2,100 mm on trailers of the categories O ₁ and O ₂ only or on other trailers where a max. of 1.500 mm is not possible).
Spacing:	A max. of 150 mm from the furthest point of the vehicle's width, with a min. of 600 mm between both front position lamps, but of at least 400 mm on vehicles with a width of < 1.300 mm.
Geom. angle of visibility:	Horizontally 5° inwards and 80° outwards. Vertically ± 15°, but also 5° downward if installation height is < 750 mm.
Other regulations:	The illuminating surface of the reflex reflector may be incorporated in the front position (side) lamp. The installation height of the reflector must be taken into account.

SIDE

4. Side reflex reflector

Installation:	Mandatory for all trailers.
Number:	At least one in the middle third.
Colour:	Yellow
Installation height:	At least 250 mm, 900 mm max. (exception: 1.500 mm).
Spacing:	No more than 3 m from front (including drawbar); no more than 1 m from rear, no more than 3 m between each reflector (exception: 4 m).
Geom. angle of visibility:	Horizontally ± 45°, vertically ± 10°, but 5° downwards if installation height is < 750 mm.
Other regulations:	The illuminating surface of the reflex reflector may be incorporated in the side-marker lamp. The max. installation height of the reflector must be taken into account.

5. Side-marker lamp

Installation:	Mandatory for trailers > 6 m long, permitted for trailers < 6 m long.
Number:	At least one in the middle third.
Colour:	Yellow in front, yellow at rear (red also possible in combination with the rear light).
Installation height:	No more than 3 m from front (including drawbar), no more than 1 m from rear, no more than 3 m between each side-marker lamp (exception: 4 m).
Geom. angle of visibility:	Horizontally $\pm 45^\circ$, vertically $\pm 10^\circ$, but 5° downwards if installation height is < 750 mm.
Other regulations:	The illuminating surface of the reflex reflector may be incorporated in the side-marker lamp. The max. installation height of the reflector must be taken into account.

Note: side-marker lamp: intensity of light emitted at least 4cd = for trailers of every category

REAR

6. Direction indicator lamps

Installation:	Mandatory for all trailers, category 2a or 2b.
Number:	2
Colour:	Yellow
Installation height:	At least 350 mm, 1.500 mm max. (exception: 2.100 mm only if no two additional direction indicator lamps have been installed). Installation height of additional direction indicator lamps: at least 600 mm above the mandatory direction indicator lamps.
Spacing:	No more than 400 mm from the furthest point of the vehicle's width. This does not apply to the additional direction indicator lamps. There should be at least 600 mm between the two direction indicator lamps, but at least 400 mm on vehicles < 1.300 mm wide.
Geom. angle of visibility:	Horizontally 45° inwards to 80° outwards, vertically $\pm 15^\circ$, but also 5° downwards if installation height is < 750 mm.
Other regulations:	Installation of two additional direction indicator lamps (2a or 2b) is permitted on all trailers in the categories O_2 , O_3 and O_4 .

Note:
 Category 2a: one level of intensity = intensity at least 50 cd
 Category 2b: two levels of intensity = intensity by day at least 175 cd
 intensity by night at least 40 cd

7. Rear tail lamp

Installation:	Mandatory for all trailers.
Number:	2
Colour:	Red
Installation height:	At least 350 mm, 1.500 mm max. (exception: 2.100 mm only if no two additional rear lamps have been installed). Installation height of the additional rear lamps: at least 600 mm above the mandatory rear lamps.
Spacing:	A max. of 400 mm from the furthest point of the vehicle's width. This does not apply to the additional rear lamps. There must be at least 600 mm between the two rear lamps, but at least 400 mm if the vehicle is < 1.300 mm wide.
Geom. angle of visibility:	Horizontally 45° inwards to 80° outwards, vertically $\pm 15^\circ$, but also 5° downwards if installation height is < 750 mm.
Other regulations:	Unless end-outline marker lamps are installed, two additional rear end-outline lamps may be installed on all trailers of the categories O_2 , O_3 and O_4 .

Hinweis:
 Category S1: one level of intensity = intensity at least 60 cd
 Category S2: two levels of intensity = intensity by day at least 130 cd
 intensity by night at least 30 cd

8. Stop lamp

Installation:	Mandatory for all trailers, category S1 or S2.
Number:	2. Unless category S3 stop lamps have been installed, two additional stop lamps of the category S1 or S2 may be installed on vehicles of the categories O_2 , O_3 and O_4 .
Colour:	Red
Installation height:	At least 350 mm, 1.500 mm max. (exception: 2.100 mm only if no two additional stop lamps have been installed). Installation height of the additional stop lamps: at least 600 mm above the mandatory stop lamps.
Spacing:	On all trailers at least 600 mm between the two stop lamps, but at least 400 mm if the vehicle is < 1.300 mm wide.
Geom. angle of visibility:	Horizontally $\pm 45^\circ$, vertically $\pm 15^\circ$, but also 5° downwards if the installation height is < 750 mm.
Other regulations:	The distance between the S1 or S2 stop lamp and the rear fog lamp must be > 100 mm.

Hinweis:
 Category S1: one level of intensity = intensity at least 60 cd
 Category S2: two levels of intensity = intensity by day at least 130 cd
 intensity by night at least 30 cd

9. Reversing light

Installation:	Mandatory for all trailers of vehicle categories O_2 , O_3 and O_4 , permissible for trailers of vehicle category O_1 .
Number:	1 light is mandatory, a second permissible on trailers < 6 m long. 2 lights mandatory on vehicles > 6 m long, and 2 additional reversing lights permissible on all other trailers.
Colour:	white
Installation height:	At least 250 mm, 1.200 mm max.
Spacing:	No regulations apply
Geom. angle of visibility:	1 light: horizontally $\pm 45^\circ$. 2 lights: horizontally 30° inwards to 45° outwards. Vertically 15° upwards to 5° downwards.
Other regulations:	Installation of additional reversing lights on the vehicle is possible at the rear or on the sides.

Note: The transitional provisions stipulate that new types of trailer (O_2 , O_3 and O_4) newly registered from July 2006 must have
 1 reversing light if they are < 6.000 mm long, and
 2 reversing lights if they are > 6.000 mm long.

10. Rear fog lamp

Installation:	Mandatory for all trailers.
Number:	1 or 2
Colour:	Red
Installation height:	At least 250 mm, 1.000 mm max.
Spacing:	No regulations apply.
General regulations for installation:	In the case of 1 rear fog lamp: left of centre for left-hand drive vehicles, right of centre for right-hand drive vehicles. Centre installation permissible.
Geom. angle of visibility:	Horizontally $\pm 25^\circ$, vertically $\pm 5^\circ$.
Circuit-closed tell-tale:	Mandatory. An independent, non-flashing tell-tale.
Other regulations:	Distance from the stop lamp must be > 100 mm.

11. End-outline marker lamp *

Installation:	Mandatory for trailers > 2.1 m wide. Permissible for trailers > 1.8 m to 2.1 m wide.
Number:	2
Colour:	Red
Installation height:	As high as possible.
Spacing:	As near the widest point of the vehicle as possible, a max. of 400 mm from the furthest point of the vehicle's width.
Geom. angle of visibility:	Horizontally 80° outwards. Vertically 5° above and 20° below the horizontal.
Other regulations:	The rear red and front white end-outline marker lamps may be installed in a single lamp provided the installation regulations and angles of visibility are complied with. The distance between the end-outline marker lamp and the rear lamp must be at least 200 mm. Any rear light or rear reflex reflector may be used. Additional reflectors are permitted.

*End-outline marker lamps: special regulation for trailers with canopy:
On a trailer with a canopy the end-outline marker lamp can only be installed at the bottom. The front white and rear red end-outline marker lamps may be installed in a single lamp provided the installation regulations and angles of visibility are complied with.

12. Rear reflex reflector

Installation:	Mandatory for all trailers.
Number:	2
Colour:	Red
Shape:	Triangular
Alignment:	The tip of the triangle must point upwards.
Installation height:	At least 350 mm, 900 mm max. (exception: 1.500 mm).
Spacing:	No more than 400 mm from the furthest point of the vehicle's width, with at least 600 mm between both reflectors, but at least 400 mm if the vehicle is < 1.300 mm wide.
Geom. angle of visibility:	Horizontally ± 30°. Vertically ± 15°, but 5° downwards if the installation height is < 750 mm.
Other regulations:	A rear light with an incorporated rectangular reflex reflector is permitted on trailers. Additional reflex reflectors are permitted.

13. Registration plate lamp

Installation:	Mandatory for all trailers.
Number:	1 or more
Colour:	White
Installation height:	at least 350 mm to bottom edge triangle, max. 900 mm to top triangle (exception: 1.500 mm)
Position:	Central or on the left (or right on right-hand drive vehicles).

14. Rear position (side) lamp

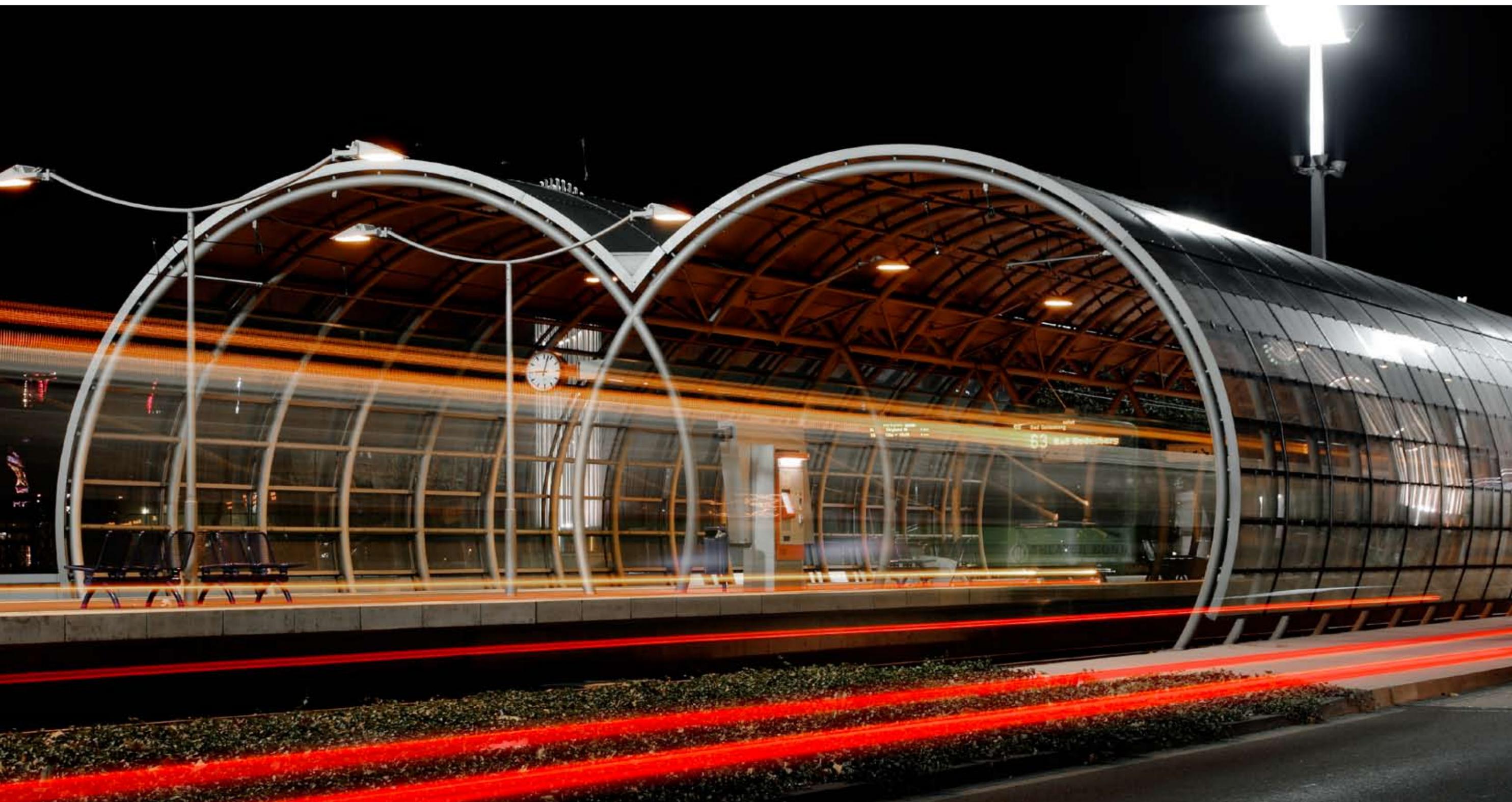
Installation:	Mandatory for all trailers.
Number:	2
Colour:	Red
Installation height:	At least 350 mm, 1.500 mm max. (exception: 2.100 mm only if no two additional rear lamps have been installed). Installation height of the additional rear lamps: at least 600 mm above the mandatory rear lamps.
Spacing:	No more than 400 mm from the furthest point of the vehicle's width. This does not apply to the additional rear lamps. There must be at least 600 mm between the two rear lamps, but at least 400 mm if the vehicle is > 1.300 mm wide
Geom. angle of visibility:	Horizontally 45° inwards to 80° outwards. Vertically ± 15°, but also 5° downwards if the installation height is > 750 mm.
Circuit-closed tell-tale	Mandatory. Must be combined with the control system for the front position (side) lamps.
Other regulations:	Unless end-outline marker lamps have been installed, 2 additional front position (side) lamps and rear lamps may be installed on all trailers of the categories O ₂ , O ₃ , and O ₄ .

15. High-mounted stop lamp

Installation:	Permitted on all trailers, category S3.
Number:	1 If the vehicle's median longitudinal plane does not pass through a solid rear panel but is, for instance, divided by doors leaving no room for an S3 stop lamp, it is permissible for two S3 stop lamps of the stop lamp type „D“ or for one S3 stop lamp to be installed to the left or the right of the vehicle's median longitudinal plane.
Colour:	Red
Installation height:	At least 350 mm, 1.500 mm max. (exception: 2.100 mm only if no two additional rear lamps have been installed). Installation height of the additional rear lamps: at least 600 mm above the mandatory rear lamps.
Spacing:	The point of reference must be the in the trailer's median longitudinal plane. If two S3 stop lamps have been installed each one must be installed as near as possible to the median longitudinal plane. If only one S3 stop lamp is installed next to the median longitudinal plane the distance must be no greater 150 mm.
Geom. angle of visibility:	Horizontally ± 10° Vertically 10° above and 5° below the horizontal.

Notes: Category S3 high-mounted stop lamp = intensity of light emitted at least 25 cd, 80cd max.
Category S3 type „D“ twin lamp = intensity of light emitted at least 25 cd, 55cd max.

24V Attachments



WIRING DIAGRAM

pin assignment electric circuit functions	Colour (change- ment at each pin. location)	DIN NR.	17p. ASS3	15p. ISO 12098	Bay- Con. 15p	Junc- tion box ASS1	7p. ISO 1185	Bay- Con. 7p. GREY	ASS1/2 7p. BLACK	7p. ISO 3731	Bay- Con. 7p. WHITE	ASS1/2 7p. WHITE	Bay- Con. 8p. BLACK	ASS1/2 7p. YE, GN	Bay-Connector 5p.		ASS1/2 2p. BLA, YE, GN	ISO 12098 13p. 24V	ISO 1724 7p.	ISO 11446 13p. 12V	ASS3 3p.
															Bay-Con. 5p. yellow (left)	Bay-Con. 5p. green (right)					
RDI LHS	YE	L	1		1		3								1	BL		3	1	1	-
RDI RHS	GN	R	2		2		5									BL		5	4	4	-
rear fog lamp	BL	„S“54g	3		3		-			7						S		9	(2)	2	-
earth	WT	31	4		4		1									31		1	3	3	1
tail light left	BLA	58L	5		5		2									UR		2	7	7	-
tail light right	BR	58R	6		6		6									UR		6	5	5	-
stop/Brake light	RD	54	7		7		4									BR		4	6	6	-
reversing light	GR	„S“L	8		8		-			3						S		8	-	8	-
feed current (+)	BR/BL	„S“54	9		9		-			4						-		10	-	9	-
wear control	BR/RD	-	10		10		-			-						-		-	-	10	-
trailer brake control	YE/BLA	54g	11		11		7			-						-		-	(2)	*	-
bogie lift	PINK	„S“58R	12		12		-			6						-		13	-	-	-
earth for electronics	WT/BLA	„S“31	13		13		-			1						-		-	-	13	-
data line	VI	„S“58L	14		14		-			2						-		-	-	11	-
data line	OR	„S“R	15		15		-			5						-		-	-	12	-
free	VI/GN	-	16		-		-			-						-		-	-	-	-
free	OR/BL	-	17		-		-			-						-		-	-	-	-
current-carrying	div.	-	-		-		-			-						-		-	-	-	2/3

APPROVAL NUMBERS 24 V

Rear lamps / bulb

Europoint II	E9-5497
Europoint I	E9-5167
Ecopoint I	E9-5266
Ecopoint I without triangle	E9-5266
Earpoint I	E9-1057
3 Chamber lamp	E9-5520
Ecopoint II	E9-1853

Rear lamps / LED

Europoint II	E9-5497
Ecopoint I	E9-5266
Multipoint	E9-5186
Multi - Led	E9-1599
3 Chamber lamp	E9-1600
EcoLED	E9-1490
EcoLED	E9-1854

Position lamps / bulb

Flexipoint I white	E9-5332
Sidepoint white	E13-484
Flexipoint I red	E13-9592
Monopoint	E9-5332
Monopoint	E4-7740

Position lamps / LED

Flatpoint I white	E9-5357
Flatpoint II white	E9-5499
Flatpoint II red	E9-5499
Unipoint I white	E9-5409
Unipoint I red	E9-5409
Posipoint II white	E9-5593
Posipoint II red	E9-5593
Monopoint II white	E9-5594
Monopoint II red	E9-5594

Side marker lamps / bulb

Sidepoint	E13-9592
Sidepoint	E9-5357

Side marker lamps / LED

Flatpoint I	E13-0006
Flatpoint II	E9-5499
Unipoint I	E9-5409

End outline marker lamps / bulb

Superpoint I	E13-0339
Superpoint II	E9-5315
Flexipoint I	E9-5332

End outline marker lamps / LED

Superpoint III	E9-1469
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Number plate lamps / bulb

Regpoint	E9-4127
Regpoint rot	E9-4059
Regpoint small	E9-4127
Regpoint small	E20-9944

Number plate lamps / LED

Regpoint LED	E9-4133
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Additional lamps

3rd stop lamp	E9-4075
Working lamp / Reversing lamp	E9-4014

THE ART OF LIGHTS

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