

24V OEM
PRODUCT CATALOGUE

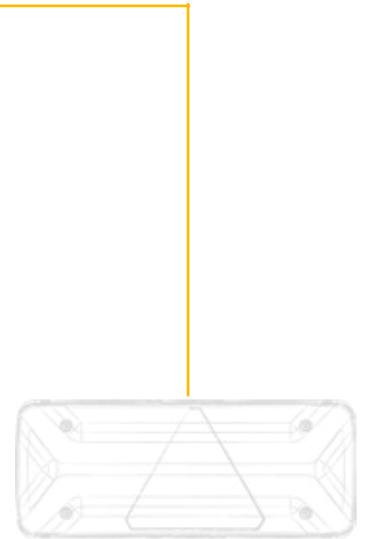


GENERAL

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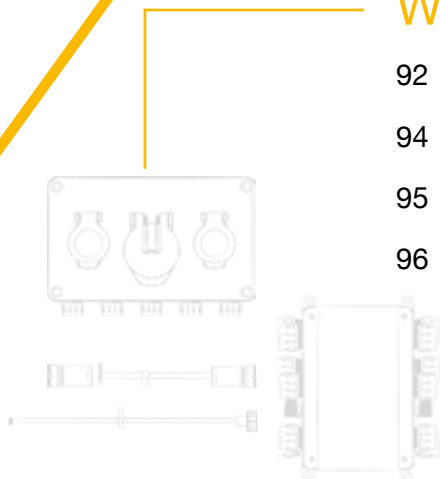
LAMPS

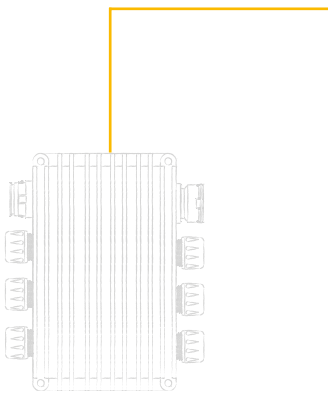
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Individual systems – satisfied customers. Since its founding in 1977, Aspöck Systems GmbH has focused on a philosophy that has made it one of the leading manufacturers in the field of lighting for the automotive industry today: The development of customised solutions for each individual customer. This flexibility is the reason for the success of Aspöck systems.

Innovative products. We see it is our obligation to create state of the art wiring and lamps, and as pioneers in this field, to also set standards. We rely on water-proof cable and plug-in systems and LED lighting for all areas of application.

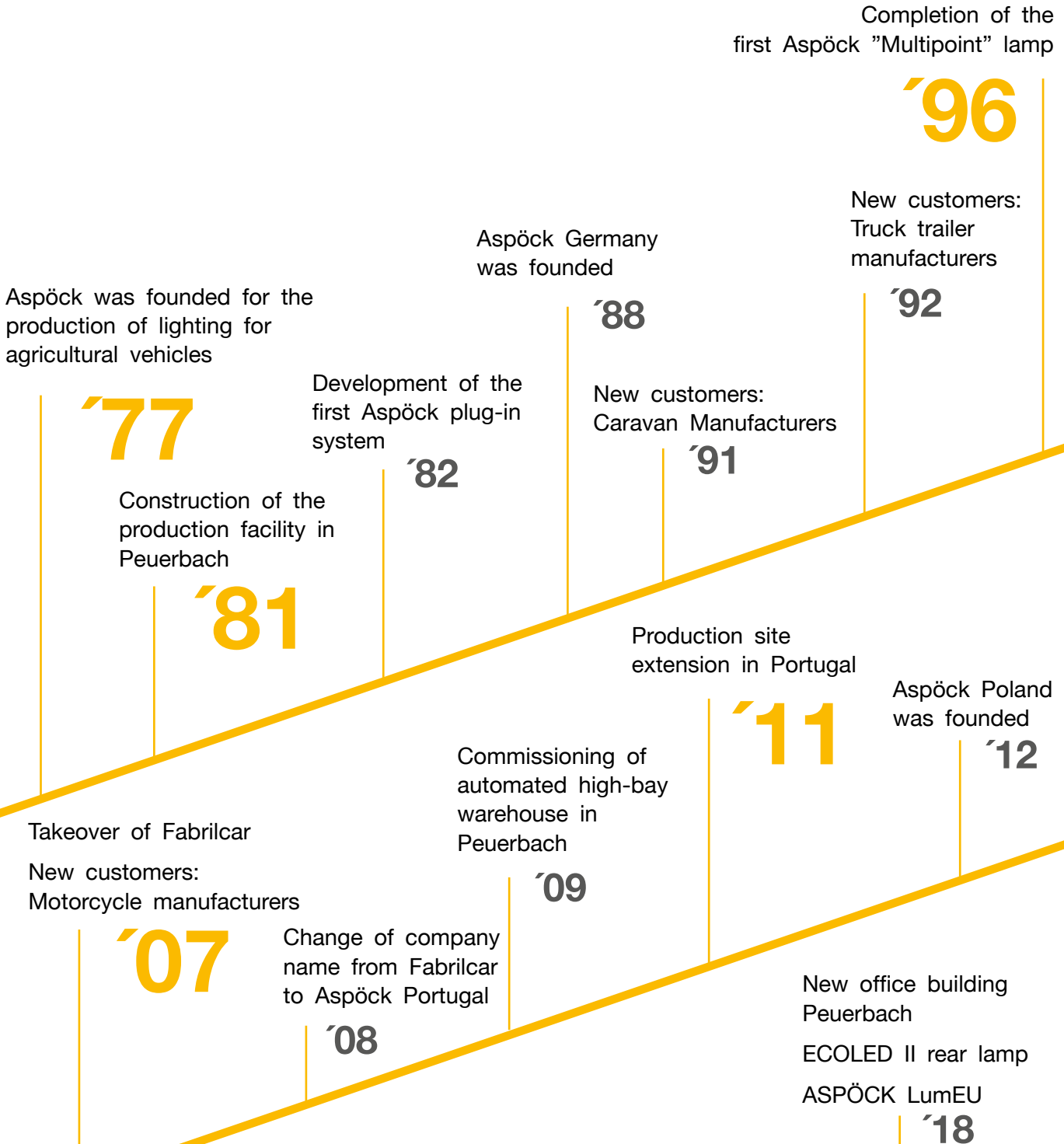
Continuous growth. We have been continuously expanding our main plant in Peuerbach, Upper Austria, in recent years to include production, storage and administration areas. Every year we invest in new production facilities and test and development equipment, which is how we remain at the cutting edge of technology. At the same time, we continue to educate and train our employees in order to always be able to give you the right answer, even with more difficult questions, for example questions surrounding special regulations.

WE BRING THE LIGHT TO THE STREETS



FROM THEN TO NOW

AND ON INTO THE FUTURE...



Aspöck UK was founded
Aspöck France was founded
Aspöck do Brazil was founded

'01

New customers:
LKW manufacturers
Aspöck Norden
was founded

'05

Introduction of
overmoulding
technology for
connectors

New customers
car manufacturers

'06

'04

Participation
PAGG Aspöck

Aspöck Iberica
was founded

'03

New customers:
Bicycle rack
manufacturers

'99

New office and
logistics building
French site

'97

'17

Production site
extension in Portugal

'15

Opening of
Polish production site

'16

“Europoint III” The
first lamp with
“Light Guide” for
trailers

Aspöck Turkey was
founded

'13

Expansion of incoming goods
department and picking warehouse
Site: Peuerbach

'22

AgriLED I & AgriLED II
first agricultural rear lamps

'20

Expansion of
Polish automotive
production site

'19

THE ASPÖCK CONNECTOR SYSTEM

The Aspöck connector system consists of 2-, 3-, 7- and 17-pin plug and socket housings. Each of these wiring systems can be used individually for all 24 V trailers. Aspöck connector systems allow easy connection to all components. All connectors are overmoulded and tested according to protection classification IP69K (jet-proof and submersible).



17-pin ASS3 plug
IP 6K9K

The 17-pin plug and socket housings connect the front supply, main cable and rear wiring as well as ensure easy integration of an additional distributor.



7-pin ASS2 plug
IP 6K9K

Aspöck rear lamps are connected to the Aspöck connector system by the 7-pin plug. These 7-pin plug and socket housings can of course be used for other additional functions.



3-pin ASS3 plug
IP 6K9K

The 3-pin ASS3 connector enables easy and flexible mounting due to its small diameter. The ASS3 can also be used for additional 3-pin functions.



2-pin ASS2 plug
IP 6K9K

The 2-pin ASS2 plug is an advancement of the 2-pin ASS1 plug – the advantage for you is an additional bayonet lock. This enables quick and safe connection of e.g. navigation lights, side marker lamps and end-outline marker lamps as well as additional 2-pin functions.

Press & Ready system | P&R IP 6K9K

The P&R wiring system is another contact option characterised by quick and uncomplicated mounting on the vehicle. All Aspöck single-function lights can be equipped and connected with the P&R system.

The cables are supplied in different lengths according to requirements. These lamps can be mounted in a 2-core flat cable at any point and are already tested for function. They are totally waterproof due to silicone single-core sealing and may also be used in the transportation of hazardous goods.





AMP
4 / 7-pin

Superseal
2 to 6-pin



Deutsch
2 to 8-pin

HDSCS
2 to 18-pin



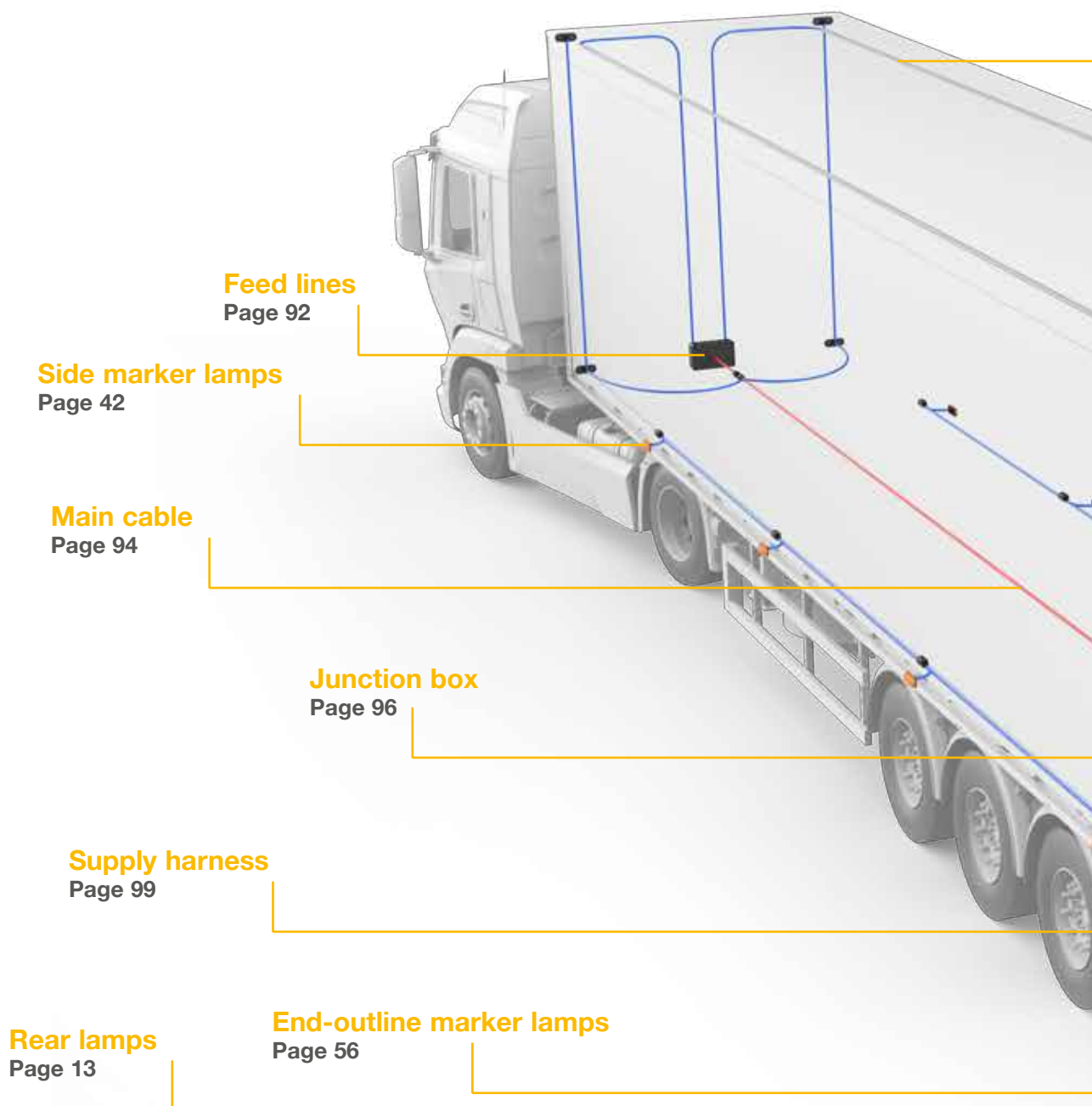
Other connector systems

In addition to the Aspöck connector system, the Aspöck Group offers a wide range of standard connector systems which are available from stock, meaning we can offer maximum flexibility.

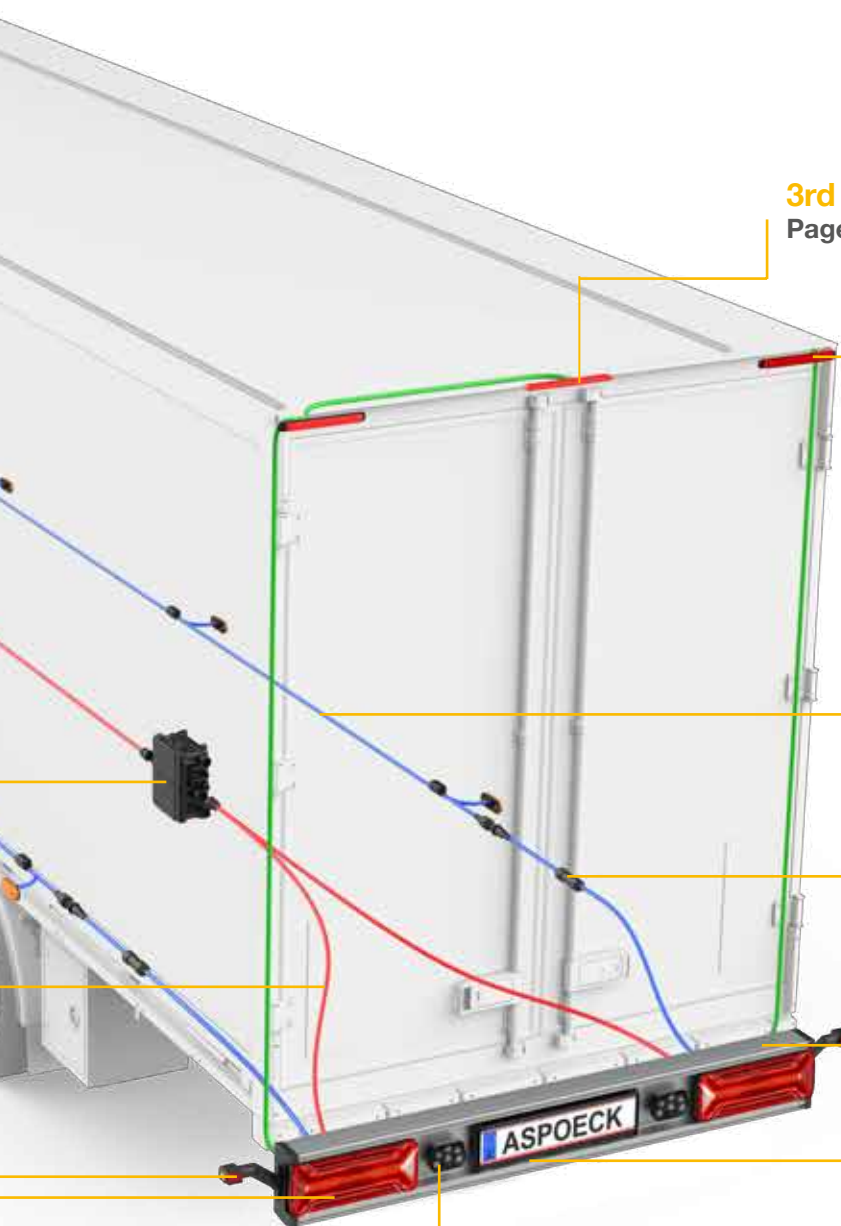
LIGHT SYSTEM

Aspöck lets you shine

The production of the entire light system ensures that all Aspöck components – first and foremost the lamps, but also the accessories (LCG, SMCG), the junction boxes, etc. – can be perfectly interconnected, guaranteeing maximum reliability (up to ADR and IP6K9K).



**FlexLED LED strips &
interior lamps**
Page 78



3rd stop lamps
Page 82

Position lamps
Page 42

SML supply
Page 95

Side Marker Control Gear
Page 102

Underrun protection
Page 116

Number plate lamps
Page 62

Work & reversing lamps
Page 70

REAR LAMPS

3-CHAMBER LAMP

ECOLED

ECOLED II

MULTILED III

EUROPOINT III

BRASPOINT 140

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

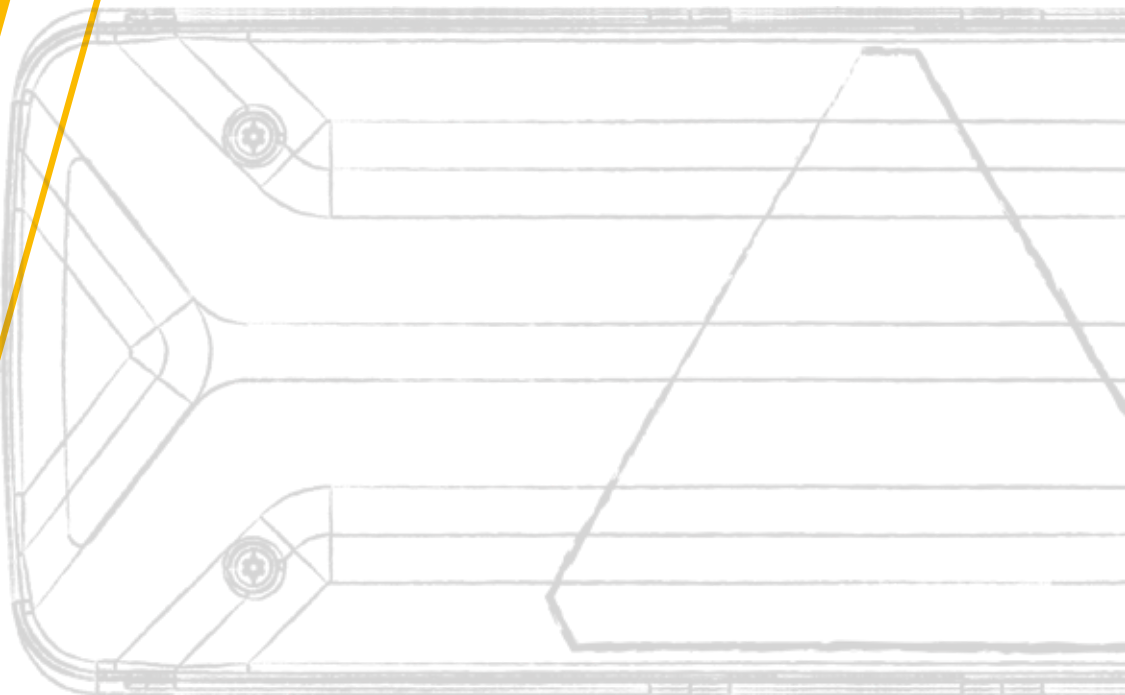
BEACONS

ERIOR LAMPS

LAMPS

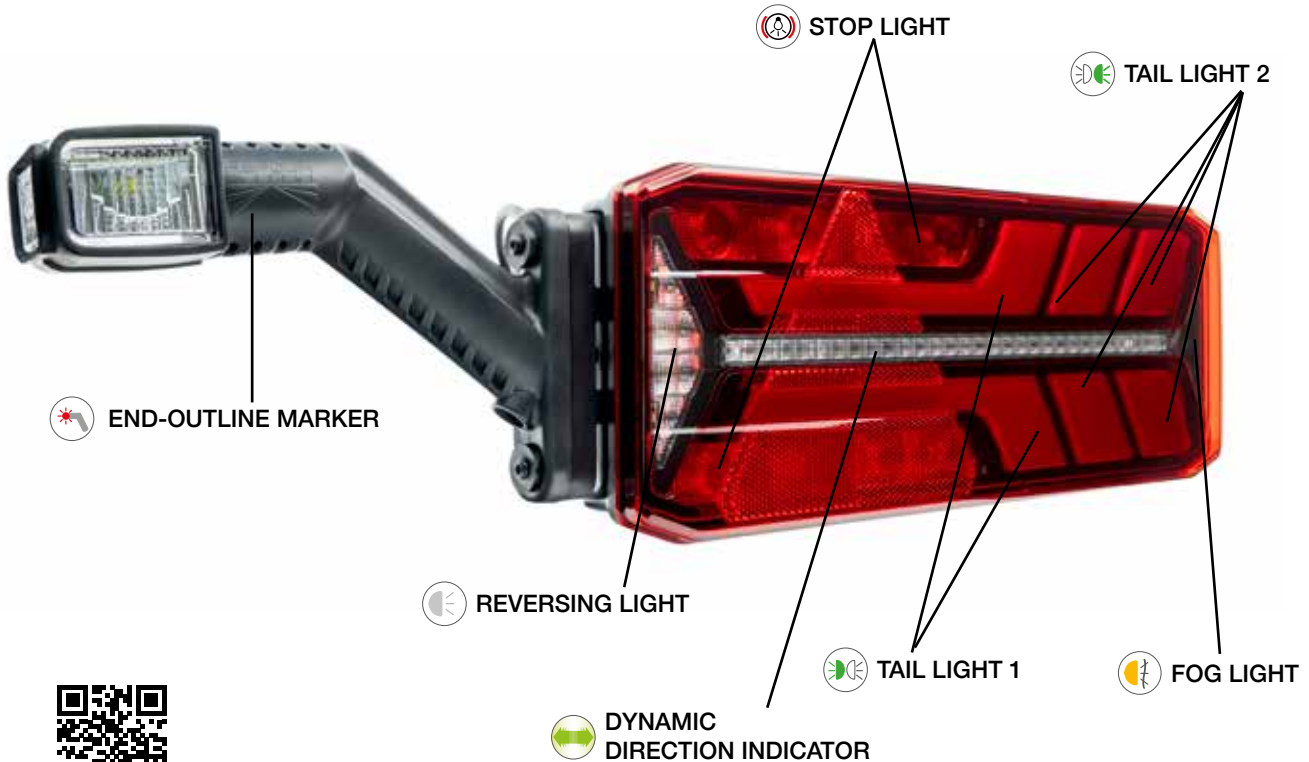
NUMBER PLATE HOLDERS

Aspöck Systems stands out not only for its many wiring solutions, but also its wide range of rear lamps. The quality of the products is of top priority, meaning all light lenses are resistant to chemicals, acids and scratches.



ECOLED III

The 5-function light from Aspöck Systems



PRODUCT FEATURES

INCREASED VISIBILITY

Large Glowing Body light surfaces

REAR LIGHT CROSS-CIRCUIT

Increased safety due to separate supply of the rear light

DYNAMIC DIRECTION INDICATOR

Sequential directional indicator function

ISO PULSE CAPABLE

Direction indicator failure monitoring according to ISO 13207-1

OPTIONAL CONNECTIONS

The option of four additional 2-pin connections on the rear of the lamp

INTEGRATED SMCG (Side Marker Control Gear)

Control for flashing side marker lamps

OUTLINE MARKER WITH PREDETERMINED BREAKING POINT

In the event of damage, only the mounting bracket needs to be replaced

HIGH IP CLASS IP6K9K

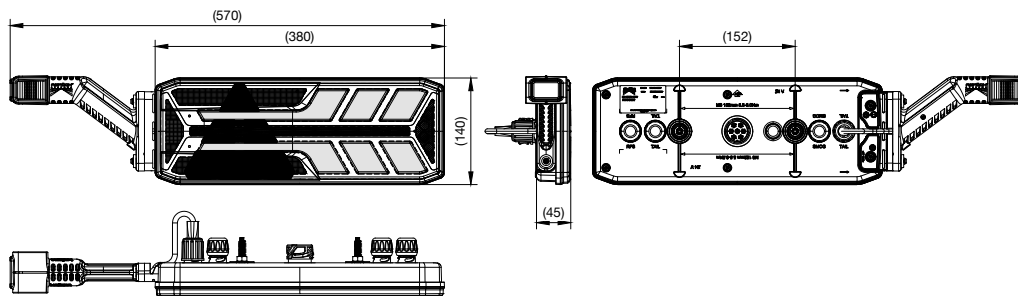
Pressure and water resistant



Version WITH OUTLINE MARKER



Version TRAILER



← PART NO.	→ PART NO.					ADDITION	CONNECTION
25-4123-017	25-4122-017	1/-	LED	24 V			7-pin ASS2
25-4123-027	25-4122-027	1/-	LED	24 V			7-pin ASS2 4 x 2-pin ASS2
25-4123-037	25-4122-037	1/-	LED	24 V	LED		7-pin ASS2 2 x 2-pin ASS2
25-4123-047	25-4122-047	1/-	LED	24 V			7-pin AMP
25-4123-057	25-4122-057	1/-	LED	24 V			7-pin AMP 4 x 2-pin Superseal
25-4123-067	25-4122-067	1/-	LED	24 V	LED		7-pin AMP 2 x 2-pin Superseal

ECOLED II

Full LED rear lamp with Glowing Body technology



PRODUCT FEATURES

LENS REPLACEABLE

Only one replacement lens, which can be used for the left or right side

CAN BE USED ON BOTH SIDES

Rear lamp rotates 180 degrees – use left or right

OUTLINE MARKER WITH PREDETERMINED BREAKING POINT

In the event of damage, only the mounting bracket needs to be replaced

DYNAMIC DIRECTION INDICATOR

Flashing light function as sequential light

INCREASED VISIBILITY

Large light surface + homogeneous light pattern

ISO PULSE CAPABLE

Direction indicator failure monitoring according to ISO 13207-1

INTEGRATED SMCG (Side Marker Control Gear)

Control for flashing side marker lamps

DUAL VOLTAGE

For 12 & 24 volt applications



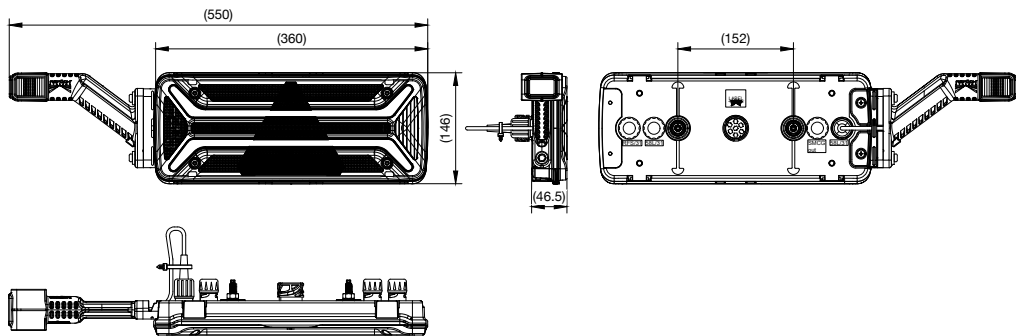
TRAILER

Version



TRUCK

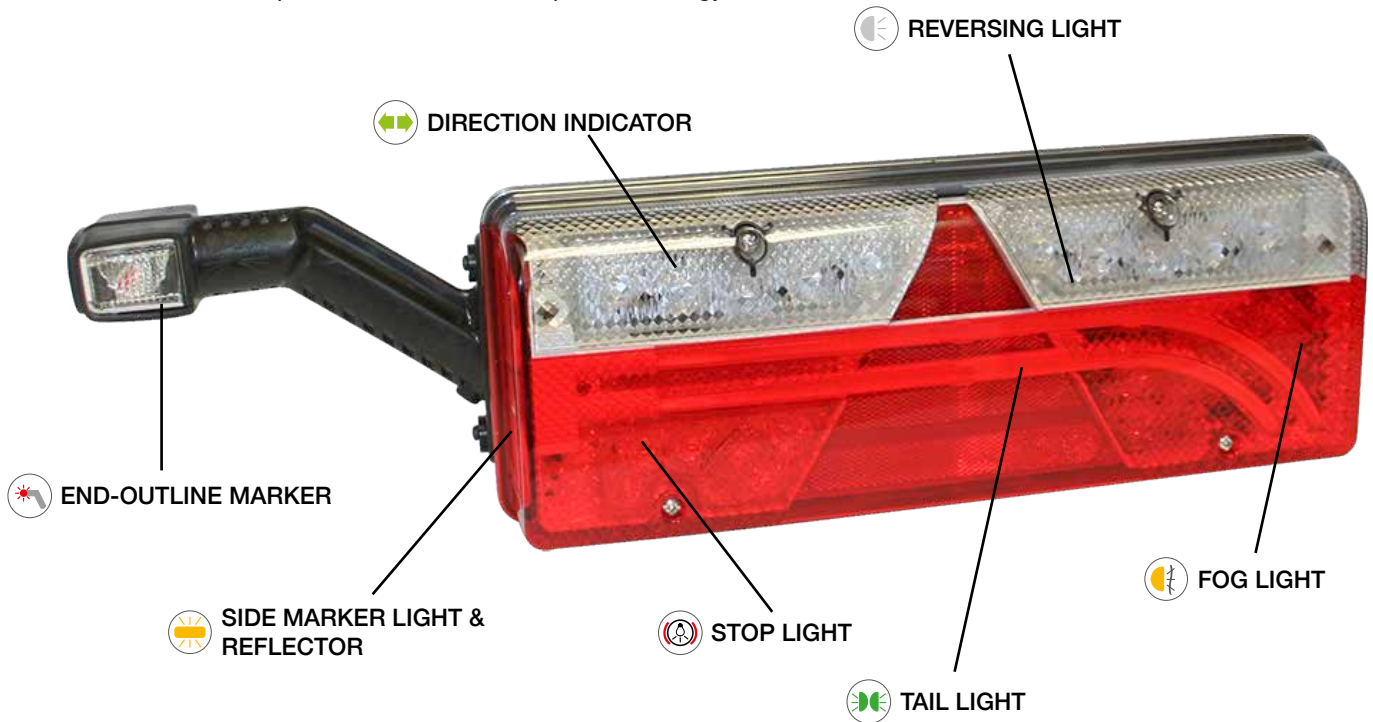
Version



← PART NO.	→ PART NO.					VERSION	ADDITION	CONNECTION
25-4121-007	25-4120-007	1/8	LED	12V 24V				7-pin ASS2
25-4121-017	25-4120-017	1/8	LED	12V 24V				7-pin ASS2 4 x 2-pin ASS2
25-4121-027	25-4120-027	1/8	LED	12V 24V	LED			7-pin ASS2 4 x 2-pin ASS2
25-4121-037	25-4121-037	1/8	LED	12V 24V				7-pin AMP
25-4121-047	25-4120-047	1/8	LED	12V 24V				7-pin AMP 4 x 2-pin Superseal
25-4121-057	25-4120-057	1/8	LED	12V 24V	LED			7-pin AMP 4 x 2-pin Superseal
25-4121-067	25-4120-067	1/8	LED	12V 24V				7-pin AMP

EUROPOINT III

Multi-chamber lamp with distinctive fibre optic technology



Europoint III FULL LED



Europoint III Truck



PRODUCT FEATURES

FIBRE OPTIC TECHNOLOGY

Rear light as “light guide” for a distinctive design

FLEXIBLE OUTLINE MARKER

Option for direct mounting of an additional flexible LED end-outline marker lamp

OPTIONALLY INTEGRATED SMCG (Side Marker Control Gear)

Control for flashing side marker lamps

OPTIONAL CONNECTIONS

Optionally with four additional 2-pin connections on the rear of the lamp

FULL LED + LCG

Option of full LED rear lamp including direction indicator LCG

LIGHT BULB + LED CAN BE COMBINED

Functions in light bulb and LED hybrid technology

LED REAR POSITION LAMP

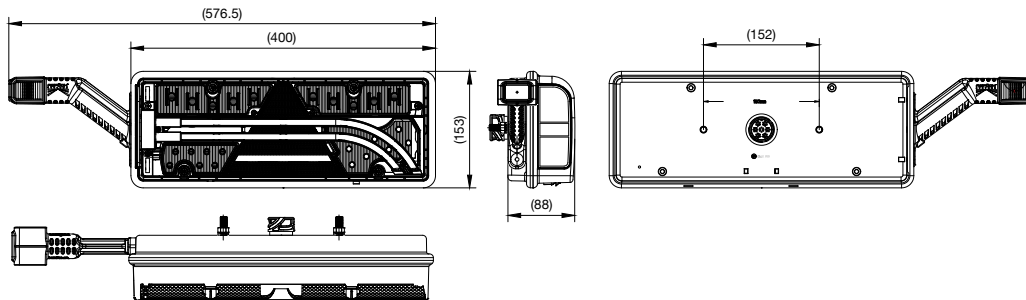
As standard



Version LIGHT BULB



Version TRUCK



← PART NO.	→ PART NO.					VERSION	ADDITION	CONNECTION
25-7000-507	25-7400-507	1/10		24 V				7-pin ASS2
25-7000-517	25-7400-517	1/10		24 V				7-pin ASS2 4 x 2-pin ASS2
25-7020-507	25-7420-507	1/8		24 V	LED			7-pin ASS2
25-7020-517	25-7420-517	1/8		24 V	LED			7-pin ASS2 4 x 2-pin ASS2
25-7000-707	25-7400-707	1/10	LED	24 V				7-pin ASS2
25-7020-737	25-7420-767	1/8	LED	24 V	LED			7-pin ASS2
25-7000-717	25-7400-717	1/10	LED	24 V				7-pin ASS2 4 x 2-pin ASS2
25-7020-707	25-7420-707	1/8	LED	24 V	LED			7-pin ASS2
25-7000-747	25-7400-747	1/10	LED	24 V				7-pin ASS2
25-7020-717	25-7420-717	1/8	LED	24 V	LED			7-pin ASS2 4 x 2-pin ASS2
25-7000-757	25-7400-757	1/10	LED	24 V				7-pin AMP
25-7000-547	25-7400-547	1/10		24 V				7-pin AMP

EUROPOINT II

Many different versions of the rear lamp



ADR Zone 2 IP 54

PRODUCT FEATURES

PARKING AND STOP LIGHT

Fail-safe thanks to three-piece rear light & two-piece stop light

FULL LED

All functions possible in LED technology

REPLACEMENT LENS LEFT AND RIGHT

Spare lens can be used on both sides

MODULAR LED DESIGN

LED modules are available individually and can be replaced

SIDE MARKER LAMP

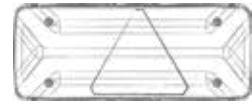
Including side marker lamp

OPTIONAL CONNECTIONS

Four optional additional 2-pin connections on the rear of the lamp

OPTIONAL NUMBER PLATE LIGHT

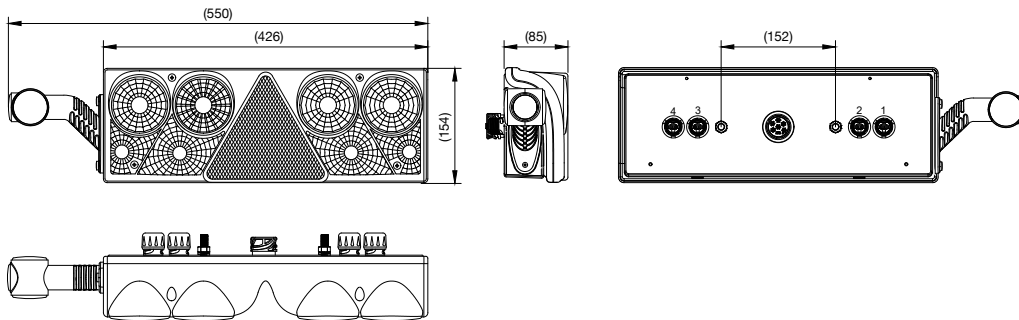
Can be extended with number plate light downwards function



Version LIGHT BULB



Version LED



← PART NO.	→ PART NO.					FUNCTION	CONNECTION
25-6000-707	25-6400-707	1/11		24 V			7-pin ASS2
25-6021-707	25-6421-707	1/9		24 V			7-pin ASS2
25-6000-757	25-6400-757	1/11		24 V			7-pin ASS2
25-6020-757	25-6420-757	1/9		24 V			7-pin ASS2
25-6000-507	25-6400-507	1/11		24 V			7-pin ASS2
25-6001-507	25-6401-507	1/11		24 V			7-pin ASS2
25-6200-507	25-6600-507	1/11		24 V			7-pin ASS2 4 x 2-pin ASS2
25-6011-507	25-6411-507	1/11		24 V			7-pin ASS2 4 x 2-pin ASS2

ECOPOINT II

The compact 5-function light



ADR Zone 2 IP 56K

PRODUCT FEATURES

VARIOUS MOUNTING OPTIONS

Can be mounted horizontally / vertically (only for Ecopoint II LED without triangle)

MODULAR LED DESIGN

LED modules are available individually and can be replaced

DIFFERENT MODELS

Available for trucks and trailers

LED TECHNOLOGY

New and reliable design through the use of LEDs

OPTIONAL CONNECTIONS

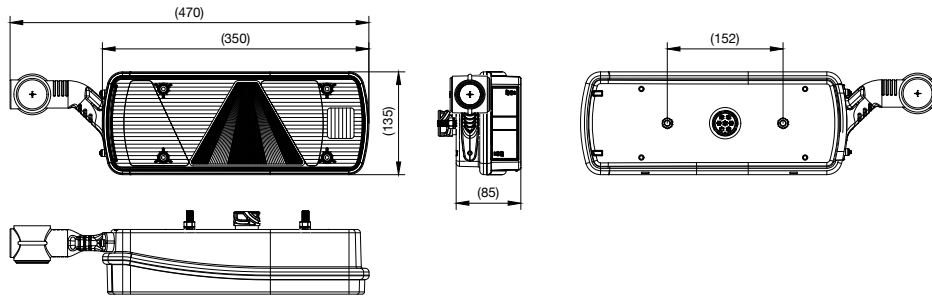
Four optional additional 2-pin connections on the rear of the lamp



Version TRAILER



Version TRUCK



← PART NO.	→ PART NO.					VERSION	ADDITION	CONNECTION
25-2801-707	25-2901-707	1/8	LED	24 V				7-pin ASS2
25-2860-707	25-2960-707	1/8	LED	24 V				7-pin ASS2
25-2800-507	25-2900-507	1/8		24 V				7-pin ASS2
25-2810-507	25-2910-507	1/6		24 V				7-pin ASS2
25-2800-517	25-2900-517	1/8		24 V				7-pin ASS2 2 x 2-pin ASS2
25-2810-517	25-2910-517	1/6		24 V				7-pin ASS2 2 x 2-pin ASS2

MULTILED III

Compact LED rear lamp with Glowing Body technology



PRODUCT FEATURES

INCREASED VISIBILITY

Larger light surfaces for the rear & stop light functions

MODERN TECHNOLOGY

Innovative Glowing Body Technology for rear light

LENS REPLACEABLE

Only one replacement lens, which can be used for the left or right side

DYNAMIC DIRECTION INDICATOR

Sequential directional indicator function

ISO pulse capable

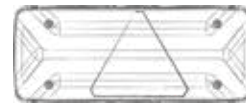
Direction indicator failure monitoring according to ISO 13207-1

INTEGRATED SMCG (Side Marker Control Gear)

Control for flashing side marker lamps

DUAL VOLTAGE

For 12 & 24 volt applications



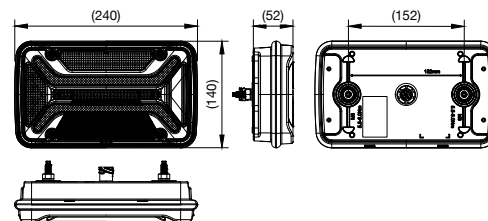
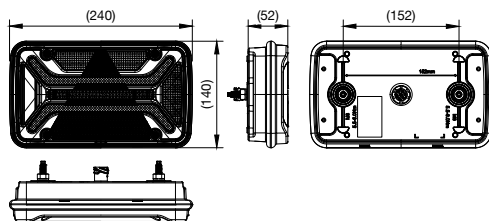
TRAILER

Version



TRUCK

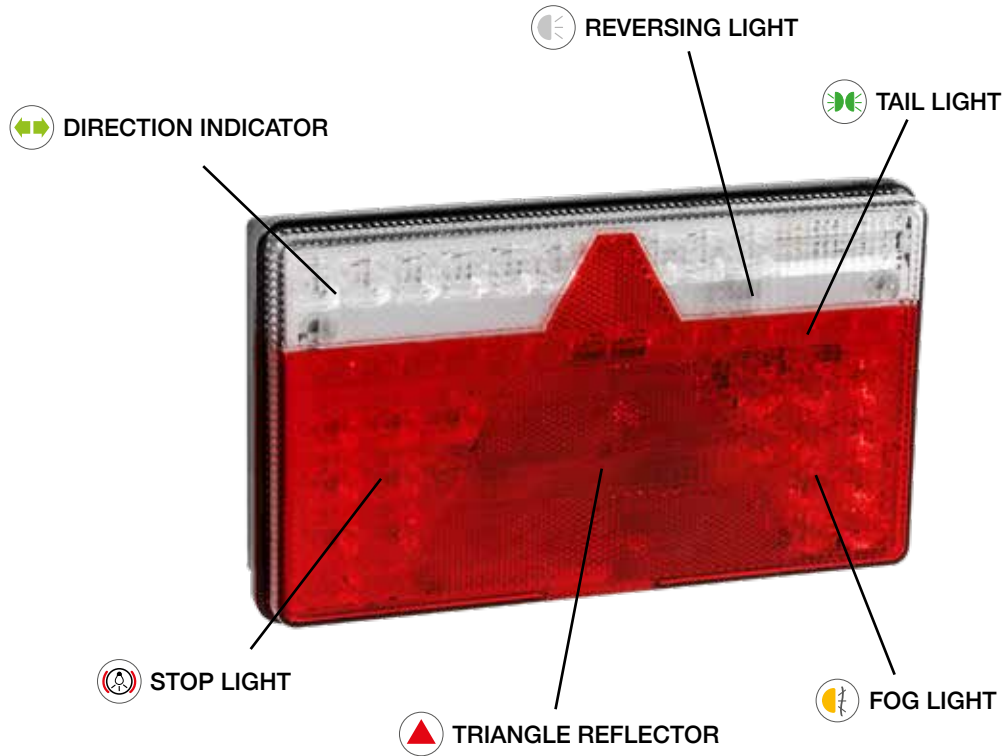
Version



← PART NO.	→ PART NO.				VERSION	ADDITION	CONNECTION
24-8931-007	24-8930-007	1/8	LED	12V 24V			7-pin ASS2
24-8931-017	24-8930-017	1/8	LED	12V 24V			7-pin ASS2 2 x 2-pin ASS2
24-8931-027	24-8930-027	1/8	LED	12V 24V			7-pin AMP 2 x 2-pin ASS2
24-8931-047	24-8930-047	1/8	LED	12V 24V			7-pin AMP
24-8931-037	24-8930-037	1/8	LED	12V 24V			7-pin AMP 2 x 2-pin ASS2
24-8931-057	24-8930-057	1/8	LED	12V 24V			7-pin AMP 2 x 2-pin Superseal
24-8931-067	24-8930-067	1/8	LED	12V 24V			7-pin AMP 2 x 2-pin Superseal
24-8931-077	24-8930-077	1/8	LED	12V 24V			7-pin AMP
24-8931-087	24-8930-087	1/8	LED	12V 24V			7-pin AMP 2 x 2-pin ASS2

MULTILED II

The compact 5-function light



PRODUCT FEATURES

FULL LED

All functions in LED

TWO CONSTRUCTION DEPTHS

Available in two different depths (flat and high)

NUMBER PLATE LIGHTING

Optional number plate light

DUAL VOLTAGE

For 12 & 24 volt applications



Version **FLAT**

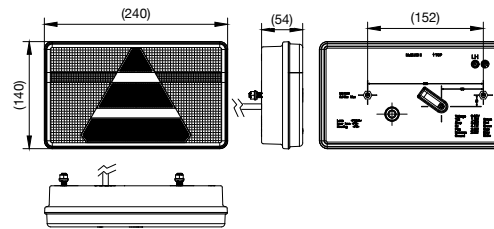
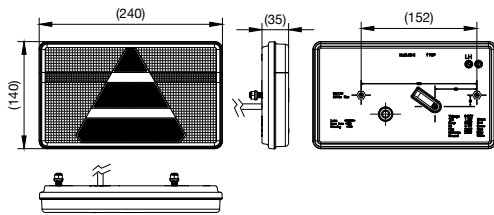


[A]

Version **HIGH**



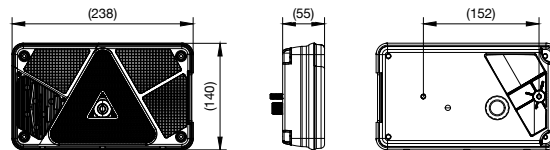
[B]



← PART NO.	→ PART NO.				VERSION	FUNCTION	CONNECTION	CABLE
35-0201-007	35-0202-007	1/20	LED	12V 24 V	[A]		Open end	0.50 m
35-0201-037	35-0202-037	1/-	LED	12V 24 V	[A]		7-pin ASS2 male	0.50 m
35-0201-047	35-0202-047	1/10	LED	12V 24 V	[A]		7-pin AMP male	0.50 m
35-0203-007	35-0204-007	1/20	LED	12V 24 V	[B]		Open end	0.50 m
35-0203-037	35-0204-037	1/10	LED	12V 24 V	[B]		7-pin ASS2 male	0.50 m
35-0203-047	35-0204-047	1/-	LED	12V 24 V	[B]		7-pin AMP male	0.50 m
35-0203-057	35-0204-057	1/20	LED	12V 24 V	[B]		Open end	0.50 m
35-0203-087	35-0204-087	1/-	LED	12V 24 V	[B]		7-pin ASS2 male	0.50 m
35-0203-097	35-0204-097	1/-	LED	12V 24 V	[B]		7-pin AMP male	0.50 m
35-0203-107	35-0204-107	1/20	LED	12V 24 V	[B]		Open end	0.50 m
35-0203-137	35-0204-137	1/10	LED	12V 24 V	[B]		7-pin ASS2 male	0.50 m
35-0203-147	35-0204-147	1/-	LED	12V 24 V	[B]		7-pin AMP male	0.50 m

MULTIPOINT V

The compact multi-chamber light



ADR Zone 2 IP 54

PRODUCT FEATURES

DESIGN

Compact multi-chamber light with PG screw connection

STURDY DESIGN

Built-in damping against vibrations

LED FUNCTIONS

Stop and rear light modular in LED

DUAL VOLTAGE

For 12 & 24 volt applications

← PART NO.	→ PART NO.				ADDITION	CONNECTION	CABLE
34-8605-007	34-8806-007	1/-		24 V		7-pin ASS2	0.90 m
34-8505-007	34-8706-007	1/-		24 V		7-pin ASS2	2.50 m

THE ART OF LIGHTS



IT GLOWS IT'S SAFE
TURN IT'S SAFE
ECOLED II SWITCH



ECOLED II

FULL LED REAR LAMP WITH GLOWING BODY TECHNOLOGY



The interchangeable lens can be used for the left and right lamp, which likewise applies to the entire tail light when turned 180 degrees.



In comparison to the predecessor models, the visibility of the ECOLED II has also received a definite ASPÖCK upgrade. It features a large light area, uniform light pattern plus sequential light in a dynamic indicator.



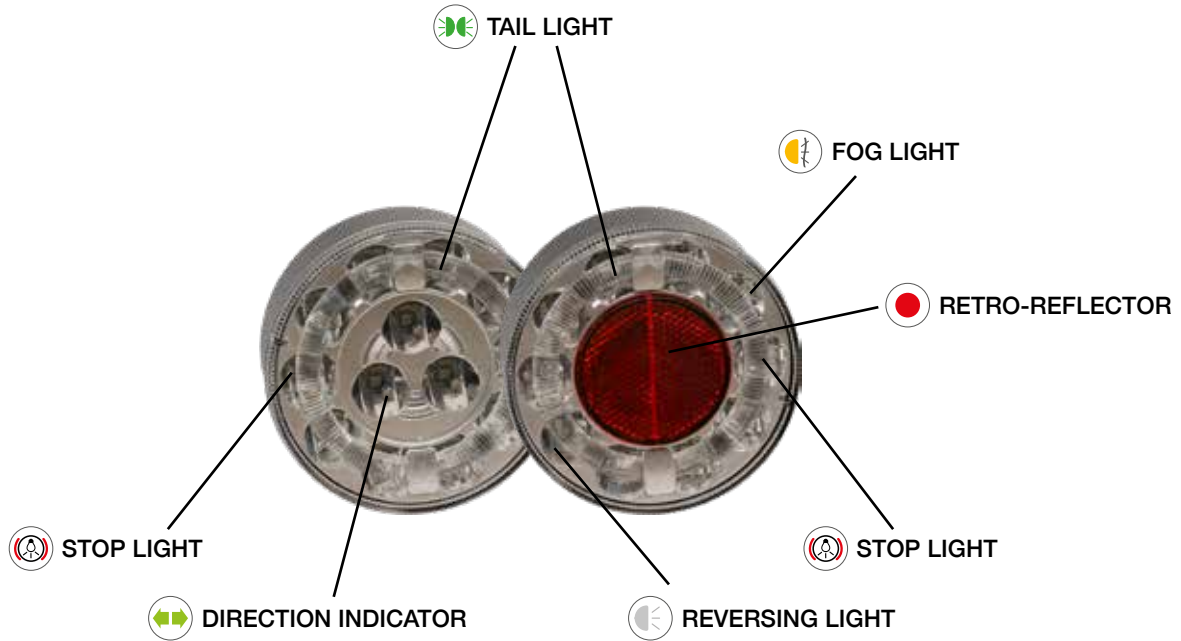
Resistant to pressure, water, bases and acids, the rugged tail light features a low installation height and is available in a voltage range from 12 to 24 volts.



www.aspoeck.com

BRASPOINT 98

The tiny multi-function rear lamp



ADR Zone 2 IP 69K



PRODUCT FEATURES

FULL LED

All functions in LED

FIBRE OPTIC TECHNOLOGY

Rear light as “light guide” for a distinctive design

COMPACT ROUND DESIGN

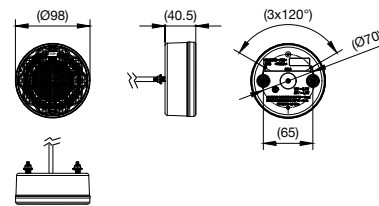
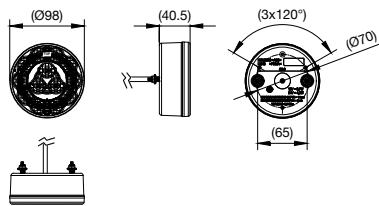
Ideal for limited space

CAN BE COMBINED AS REQUIRED

All lamps can be combined according to your requirements

DUAL VOLTAGE

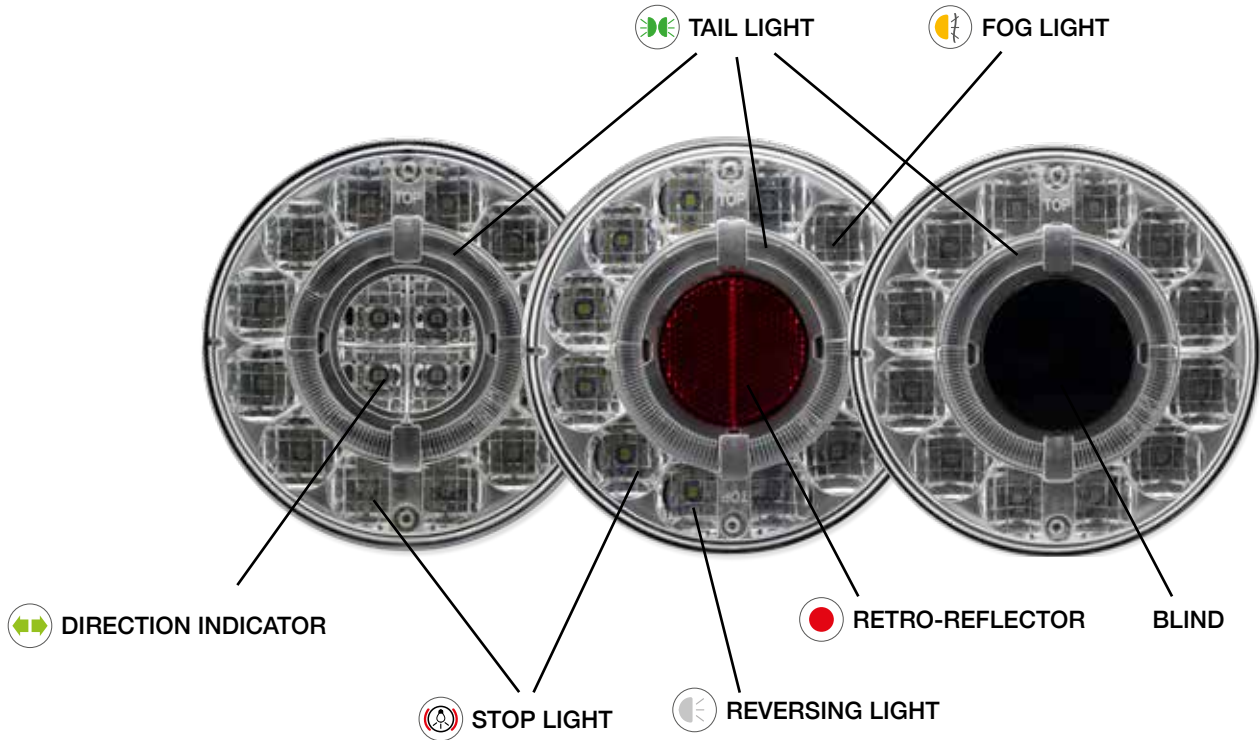
For 12 & 24 volt applications



← → PART NO.				FUNCTIONS	ADDITION	CONNECTION	CABLE
33-9200-007	1/-	LED	12V 24 V			Open end	0.50 m
33-9200-017	1/-	LED	12V 24 V			Open end	7.00 m
33-9207-057	1/-	LED	12V 24 V			7-pin ASS2 ♂	0.50 m
						7-pin ASS2 ♀	0.20 m
33-8100-107	1/-	LED	12V 24 V			Open end	0.50 m
33-8107-057	1/-	LED	12V 24 V			7-pin ASS2	0.50 m
33-8100-007	1/-	LED	12V 24 V			Open end	0.50 m
33-8107-007	1/-	LED	12V 24 V			7-pin ASS2	0.50 m

BRASPOINT 140

Three lamps – many options



PRODUCT FEATURES

FULL LED

All functions in LED

FIBRE OPTIC TECHNOLOGY

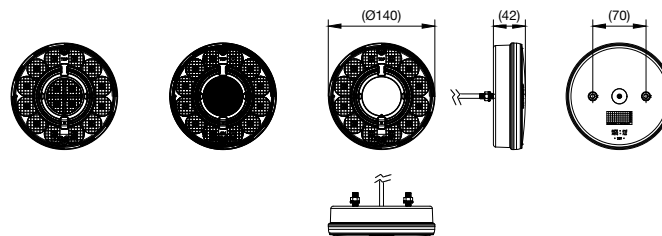
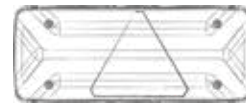
Rear light as “light guide” for a distinctive design

CAN BE COMBINED AS REQUIRED

All lamps can be combined according to your requirements

DUAL VOLTAGE

For 12 & 24 volt applications



← → PART NO.				FUNCTIONS	CONNECTION	CABLE
33-8100-207	1/35	LED	12V 24 V		Open end	0.50 m
33-8107-037	1/20	LED	12V 24 V		7-pin ASS2	0.50 m
33-9200-207	1/35	LED	12V 24 V		Open end	0.50 m
33-8107-027	1/20	LED	12V 24 V		7-pin ASS2	0.50 m
33-9207-067	1/20	LED	12V 24 V		7-pin ASS2 ♂	0.50 m
					7-pin ASS2 ♀	0.20 m

3-CHAMBER LAMP LED

The round rear lamp in full LED



ADR
Zone 2

IP 54

PRODUCT FEATURES

FULL LED

All functions in LED

HIGHLY DIVERSE VARIANTS

Enabled through special wiring solutions

CAN BE COMBINED AS REQUIRED

All lamps can be combined according to your requirements

OPTIONALLY AVAILABLE AS DUAL VOLTAGE

For 12 & 24 volt applications

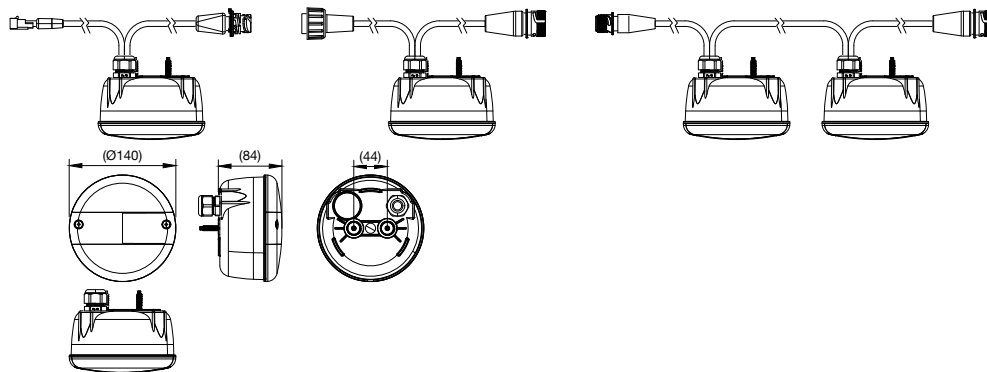
SPACE-SAVING ALTERNATIVE

Using flat housing



[A]

[B]



← PART NO.	→ PART NO.				FUNCTIONS	ADDITION	CONNECTION	CABLE
33-8403-047	33-8402-047	1/10		12V 24V		[A]	PG 11 screw connection, open end	
33-8405-097	33-8406-097	1/10		12V 24V		[A]	7-pin ASS2	0.50 m
33-8407-017		1/10		24 V		[A]	7-pin ASS2 ♂	0.15 m
							7-pin ASS2 ♀	0.15 m
33-8403-037	33-8402-037	1/-		12V 24V		[B]	PG 11 screw connection, open end	
33-8405-087	33-8406-087	1/3		12V 24V		[B]	7-pin ASS2	0.50 m
37-8407-007		1/10		24 V			2-pin ASS2	1.50 m
37-8407-017		1/1		24 V			7-pin ASS2	0.15 m
38-8407-007		1/-		24 V			2-pin ASS2	1.50 m
38-8107-067		1/-		24 V			7-pin ASS2	0.15 m
32-7000-707		1/-		24 V			7-pin ASS2	1.50 m
39-7007-007		1/10		24 V			7-pin ASS2	0.15 m

3-CHAMBER LAMP II

Three lamps – many options



ADR
Zone 2

IP 54

PRODUCT FEATURES

TRADITIONAL DESIGN

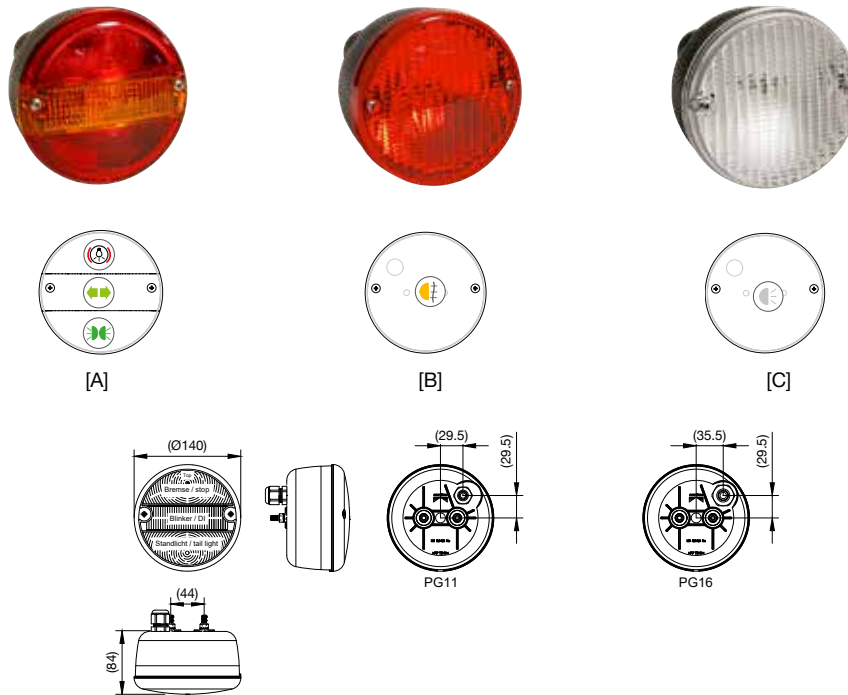
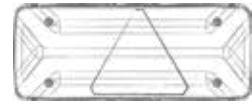
Popular and well-known light pattern

FLEXIBLE PROCUREMENT

High availability of spare parts

HIGHLY DIVERSE VARIANTS

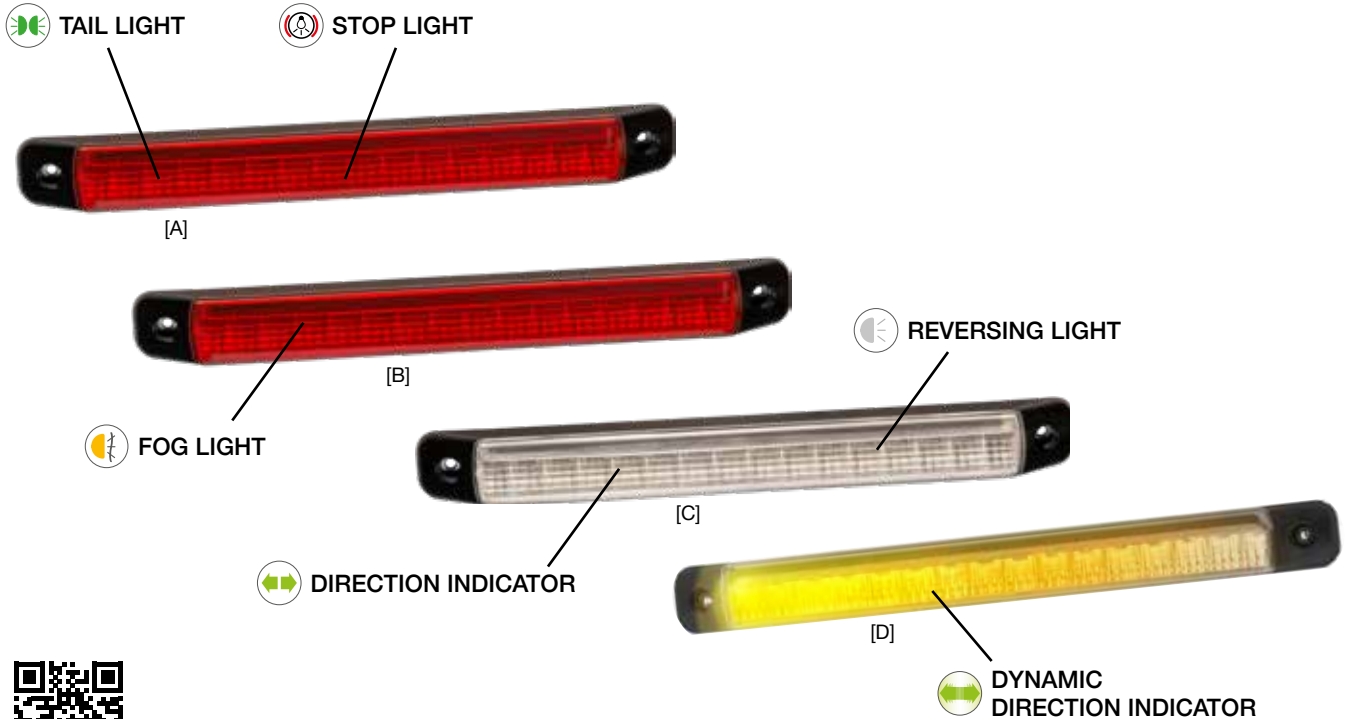
Enabled through special wiring solutions



← PART NO.	→ PART NO.				FUNCTIONS	VERSION	CONNECTION	CABLE
33-8205-037	33-8206-037	1/-		24 V		[A]	7-pin ASS2 ♂	0.50 m
							7-pin ASS2 ♀	0.30 m
33-8205-087	33-8206-097	1/10		24 V		[A]	7-pin ASS2 ♂	1.50 m
							7-pin ASS2 ♀	1.50 m
37-8007-137		1/-		24 V		[B]	2-pin ASS2	0.25 m
37-8007-167		-/-		24 V		[B]	2-pin ASS2	1.20 m
37-8007-197		1/-		24 V		[B]	2-pin ASS2	3.00 m
38-8007-137		1/-		24 V		[C]	2-pin ASS2	0.25 m
38-8007-147		-/-		24 V		[C]	2-pin ASS2	3.00 m
38-8007-157		-/-		24 V		[C]	2-pin ASS2	1.20 m

LINEPOINT II LED

Three lamps – many options



ADR Zone 2 IP 6K9K

PRODUCT FEATURES

FULL LED

All functions in LED

360° MOUNTING POSITION

For direction indicator, fog and stop light as well as vehicle position lamp

CAN BE COMBINED

Double mounting is possible

HOMOGENEOUS LIGHT PATTERN

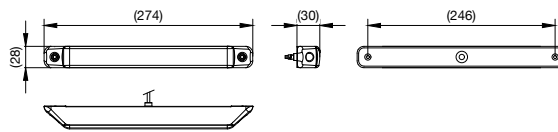
Thanks to modern reflector technology

DYNAMIC DIRECTION INDICATOR

For mounting angle up to +/- 28°

DUAL VOLTAGE

For 12 & 24 volt applications



← PART NO.	→ PART NO.				VERSION	FUNCTIONS	ADDITION	CONNECTION	CABLE
31-9230-007		1/-	LED	12V 24V	[A]			Open end	0.50 m
37-9230-007		1/-	LED	12V 24V	[B]			Open end	0.50 m
31-9231-007		1/-	LED	12V 24V	[B]			Open end	0.50 m
38-9230-007		1/-	LED	12V 24V	[B]			Open end	0.50 m
38-9231-007		1/-	LED	12V 24V	[B]			Open end	0.50 m
31-9231-207	31-9231-217	1/-	LED	12V 24V	[C]			Open end	0.50 m

LINEPOINT I LED

Three lamps – many options



1- or
2-function light



3-function light



PRODUCT FEATURES

FULL LED

All functions in LED

90° MOUNTING POSITION

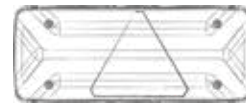
For direction indicator, rear fog and tail as well as stop light

CAN BE COMBINED AS REQUIRED

All lamps can be combined according to your requirements

DUAL VOLTAGE

For 12 & 24 volt applications



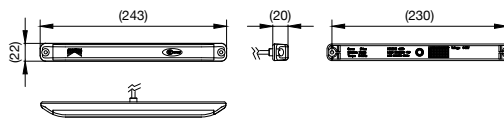
VERTICAL

Mounting



HORIZONTAL

Mounting



← → PART NO.				VERSION	FUNCTIONS	ADDITION	CONNECTION	CABLE
31-9220-007	1/-	LED	12V 24V	[A]			Open end	0.50 m
31-9221-007	1/-	LED	12V 24V	[B]			Open end	0.50 m
37-9220-007	1/-	LED	12V 24V	[A]			Open end	0.50 m
38-9220-007	1/-	LED	12V 24V	[B]			Open end	0.50 m
31-8920-007	1/-	LED	12V 24V	[A]			Open end	0.50 m
33-8914-007	1/-	LED	12V 24V	[B]			Open end	0.50 m
33-8914-017	1/-	LED	12V 24V	[B]			Open end	5.00 m
31-9207-047	1/-	LED	12V 24V	[A]			ASS3	0.50 m
31-9207-057	1/-	LED	12V 24V	[B]			ASS3	0.50 m
37-9207-017	1/-	LED	12V 24V	[A]			ASS3	0.50 m
38-9207-017	1/-	LED	12V 24V	[B]			ASS3	0.50 m

POSITION LAMPS

FLATPOINT II LED

UNIPOINT II LED

POSIPOINT II LED

MONOPOINT II LED

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

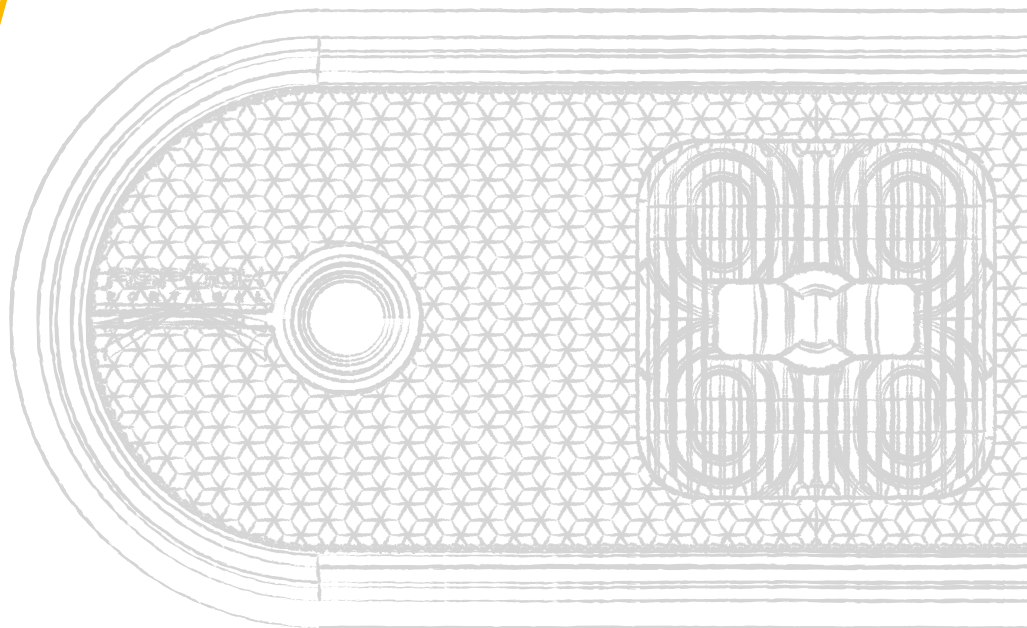
BEACONS

ERIOR LAMPS

LAMPS

NUMBER PLATE HOLDERS

Depending on the colour of the lens, Aspöck position lamps meet different requirements. They stand out above all due to their uniform design and many mounting options.



FLATPOINT II LED

Impresses with versatile mounting options



[A]



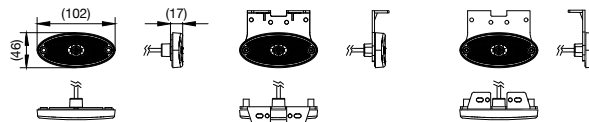
[B]

(82)



[C]

(82)



PRODUCT FEATURES

STURDY CONSTRUCTION

For a long service life

COMPACT DESIGN

Thanks to flat lens & optionally integrated retro-reflector

HIGHLY DIVERSE VARIANTS

Due to different cable lengths and plug connections

OPTIONALLY AVAILABLE AS DUAL VOLTAGE

For 12 & 24 volt applications



PART NO.				VERSION	FUNCTION	CONNECTION	CABLE
31-2304-017	1/100	LED	24 V	[A]		P&R	0.50 m
31-2304-037	1/100	LED	24 V	[A]		P&R	1.50 m
31-2304-097	1/-	LED	12V 24V	[A]		P&R	1.50 m
31-2307-017	1/50	LED	24 V	[A]		ASS3	1.50 m
31-2364-017	1/100	LED	24 V	[B]		P&R	0.50 m
31-2364-037	1/60	LED	24 V	[B]		P&R	1.50 m
31-2367-057	1/-	LED	24 V	[B]		ASS3	1.50 m
31-2364-087	1/100	LED	24 V	[C]		P&R	0.50 m
31-2364-107	1/100	LED	24 V	[C]		P&R	1.50 m
31-2367-037	1/50	LED	24 V	[C]		ASS3	1.50 m
31-6900-017	1/-	LED	24 V	[A]		Open end	0.50 m
31-6904-017	1/100	LED	24 V	[A]		P&R	0.50 m
31-6907-027	1/100	LED	24 V	[A]		ASS3	0.50 m
31-6904-037	1/100	LED	24 V	[A]		P&R	1.50 m
31-6904-167	1/-	LED	12V 24 V	[A]		P&R	1.50 m
31-6907-037	1/50	LED	24 V	[A]		ASS3	1.50 m
31-6904-057	1/50	LED	24 V	[A]		P&R	3.50 m
31-6904-127	1/-	LED	24 V	[A]		P&R	3.50 m
31-6404-017	1/100	LED	24 V	[A]		P&R	0.50 m
31-6404-097	1/-	LED	24 V	[A]		P&R	0.50 m
31-6404-127	1/-	LED	24 V	[A]		P&R	3.50 m

UNIPOINT I LED

Extremely sturdy side marker lamps with LED technology



PRODUCT FEATURES

HIGH LIGHT INTENSITY

With low power consumption

SIMPLE MOUNTING

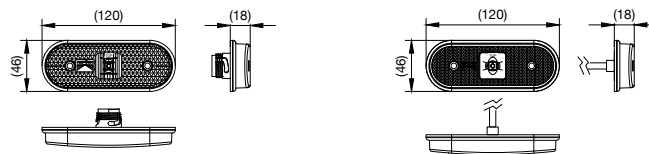
Made easy with many mounting options

VERY STURDY DESIGN

Due to the over-moulded lens and the encapsulated printed circuit board

HIGHLY DIVERSE VARIANTS

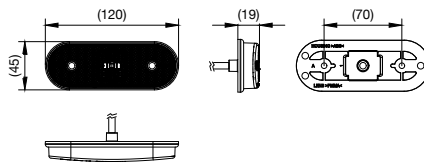
Due to different cable lengths and plug connections



PART NO.				VERSION	FUNCTIONS	ADDITION	CONNECTION	CABLE
31-2004-017	1/100	LED	24 V	[A]			P&R	0.50 m
31-2007-237	1/-	LED	24 V	[A]			ASS3	0.50 m
31-2004-037	1/90	LED	24 V	[A]			P&R	1.50 m
31-2004-107	1/-	LED	24 V	[A]			P&R	1.50 m
31-2007-247	1/50	LED	24 V	[A]			ASS3	1.50 m
31-2064-017	1/60	LED	24 V	[B]			P&R	0.50 m
31-2067-097	1/100	LED	24 V	[B]			ASS3	0.50 m
31-2064-037	1/75	LED	24 V	[B]			P&R	1.50 m
31-2067-107	1/50	LED	24 V	[B]			ASS3	1.50 m
31-2064-717	1/90	LED	24 V	[C]			P&R	0.50 m
31-2064-737	1/75	LED	24 V	[C]			P&R	1.50 m
31-2064-217	1/90	LED	24 V	[D]			P&R	0.50 m
31-2064-237	1/60	LED	24 V	[D]			P&R	1.50 m
31-2064-417	1/50	LED	24 V	[E]			P&R	0.50 m
31-2064-437	1/50	LED	24 V	[E]			P&R	1.50 m

UNIPOINT MAXX

Extremely sturdy side marker with LED technology



PRODUCT FEATURES

INCREASED SAFETY

Better visibility along the vehicle

HIGH LIGHT INTENSITY

Displaying the maximum allowed light intensity

SIMPLE MOUNTING

Thanks to the specially designed brackets

VERY STURDY DESIGN

Due to the over-moulded lens and the encapsulated printed circuit board

UNIPOINT MAXX

PART NO.				FUNCTION	ADDITION	CONNECTION	CABLE
31-2104-067	1/-	LED	24 V			P&R	2.00 m



UNIPOINT DI



The **ECE 48 Rev. 6 regulation** states that for vehicles of category O3 and O4, three additional category 5 side marker lamps must be fitted to the trailer as uniformly as possible, and must flash in synchronicity with the truck.

The aim is to significantly increase safety for all road users when turning.

The Unipoint DI directional indicator complies with this legislation. Alternatively, a SMCG can be installed in the vehicle. See description SMCG on page 102.



PRODUCT FEATURES

SPACE-SAVING SYSTEM INTEGRATION

Side marker lamp & cat. 5 blinker in one lamp

IMPROVED PERCEPTION

Using far reaching beams

PART NO.				FUNCTION	ADDITION	CONNECTION	CABLE
31-2107-017	1/50	LED	24 V			3-pin ASS3	1.50 m
31-2104-077	1/-	LED	24 V			P&R	1.50 m
31-2107-007	1/-	LED	24 V			ASS3	1.50 m

UNIPOINT I LED

Powerful light output and construction



ADR Zone 2 IP 6K9K

PRODUCT FEATURES

HIGH LIGHT INTENSITY

With low power consumption

VERY STURDY DESIGN

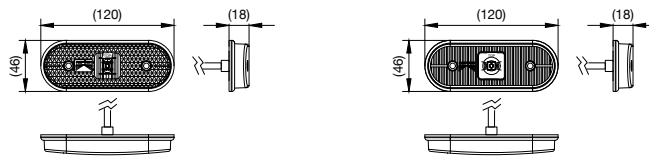
Due to the over-moulded lens and the encapsulated printed circuit board

HIGHLY DIVERSE VARIANTS

Due to different cable lengths and plug connections

COMPACT DESIGN

With optional retro-reflector integrated in the lamp



PART NO.				VERSION	FUNCTION	ADDITION	CONNECTION	CABLE
31-7704-017	1/100	LED	24 V	[A]			P&R	0.50 m
31-7704-097	1/-	LED	24 V	[B]			P&R	0.50 m
31-7707-107	1/50	LED	24 V	[A]			ASS3	0.50 m
31-7704-077	1/-	LED	24 V	[A]			P&R flat cables	1.00 m
31-7704-037	1/80	LED	24 V	[A]			P&R	1.50 m
31-7707-117	1/50	LED	24 V	[A]			ASS3	1.50 m
31-7704-227	1/50	LED	24 V	[A]			P&R	1.50 m
31-7704-057	1/60	LED	24 V	[A]			P&R	3.50 m
31-7704-127	1/-	LED	24 V	[B]			P&R	3.50 m
31-7707-127	1/-	LED	24 V	[B]			ASS3	3.50 m
31-7704-087	1/60	LED	24 V	[B]			P&R flat cables	4.00 m
31-7804-017	1/100	LED	24 V	[C]			P&R	0.50 m
31-7804-097	1/-	LED	24 V	[D]			P&R	0.50 m
31-7804-077	1/-	LED	24 V	[C]			P&R flat cables	1.00 m
31-7804-057	1/-	LED	24 V	[C]			P&R	3.50 m
31-7804-127	1/10	LED	24 V	[D]			P&R	3.50 m
31-7804-087	1/-	LED	24 V	[D]			P&R flat cables	4.00 m

POSIPOINT II LED

Simple, space-saving installation



ADR Zone 2 IP6K9K

PRODUCT FEATURES

HIGH LIGHT OUTPUT

With low power consumption

DIFFERENT MOUNTING OPTIONS

Direct installation on the vehicle or body by means of a bracket (housing)

SLIM DESIGN

Space-saving mounting

DUAL VOLTAGE

For 12 & 24 volt applications



PART NO.				FUNCTION	CONNECTION	CABLE
31-7100-067	1/-	LED	12V 24V		Open end	0.50 m
31-7104-007	1/-	LED	12V 24V		P&R	0.50 m
31-7104-017	1/130	LED	12V 24V		P&R	1.50 m
31-7104-027	1/70	LED	12V 24V		P&R	1.50 m
31-7100-017	1/-	LED	12V 24V		Open end	3.50 m
31-7100-007	1/-	LED	12V 24V		Open end	5.00 m
31-7200-067	1/50	LED	12V 24V		Open end	0.50 m
31-7204-007	1/100	LED	12V 24V		P&R	0.50 m
31-7204-017	1/-	LED	12V 24V		P&R	1.50 m
31-7204-027	1/-	LED	12V 24V		P&R	1.50 m
31-7200-017	1/70	LED	12V 24V		Open end	3.50 m
31-7200-007	1/-	LED	12V 24V		Open end	3.50 m

Accessory

PART NO.			
15-5609-107	1/-	Housing	

MONOPOINT II LED

The quick solution without any screws



PRODUCT FEATURES

SIMPLE MOUNTING

No screws, thanks to special rubber ribs

HIGH LIGHT OUTPUT

With low power consumption

SLIM DESIGN

Space-saving mounting



[A]



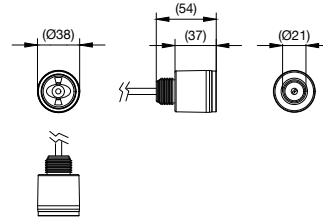
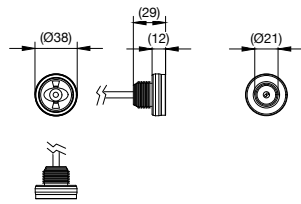
[B]



[C]



[D]



PART NO.				VERSION	FUNCTION	CONNECTION	CABLE
31-6704-067	1/100	LED	12V 24 V	[A]		P&R	0.50 m
31-6704-077	1/-	LED	12V 24 V	[A]		P&R	1.50 m
31-6704-087	1/-	LED	12V 24 V	[A]		P&R	3.50 m
31-6700-027	1/20	LED	12V 24 V	[A]		Open end	3.50 m
31-6704-097	1/-	LED	12V 24 V	[B]		P&R	0.50 m
31-6704-107	1/-	LED	12V 24 V	[B]		P&R	1.50 m
31-6704-117	1/-	LED	12V 24 V	[B]		P&R	3.50 m
31-6700-037	1/20	LED	12V 24 V	[B]		Open end	3.50 m
31-6804-087	1/-	LED	12V 24 V	[C]		P&R	0.50 m
31-6804-067	1/-	LED	12V 24 V	[C]		P&R	3.50 m
31-6804-097	1/-	LED	12V 24 V	[C]		P&R cable	5.00 m
31-6800-017	1/-	LED	12V 24 V	[C]		Open end	3.50 m
31-6804-077	1/-	LED	12V 24 V	[D]		P&R	3.50 m

END-OUTLINE MARKER LAMPS

FLEXPOINT I LED

SUPERPOINT IV LED

SUPERPOINT III LED

SUPERPOINT II

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

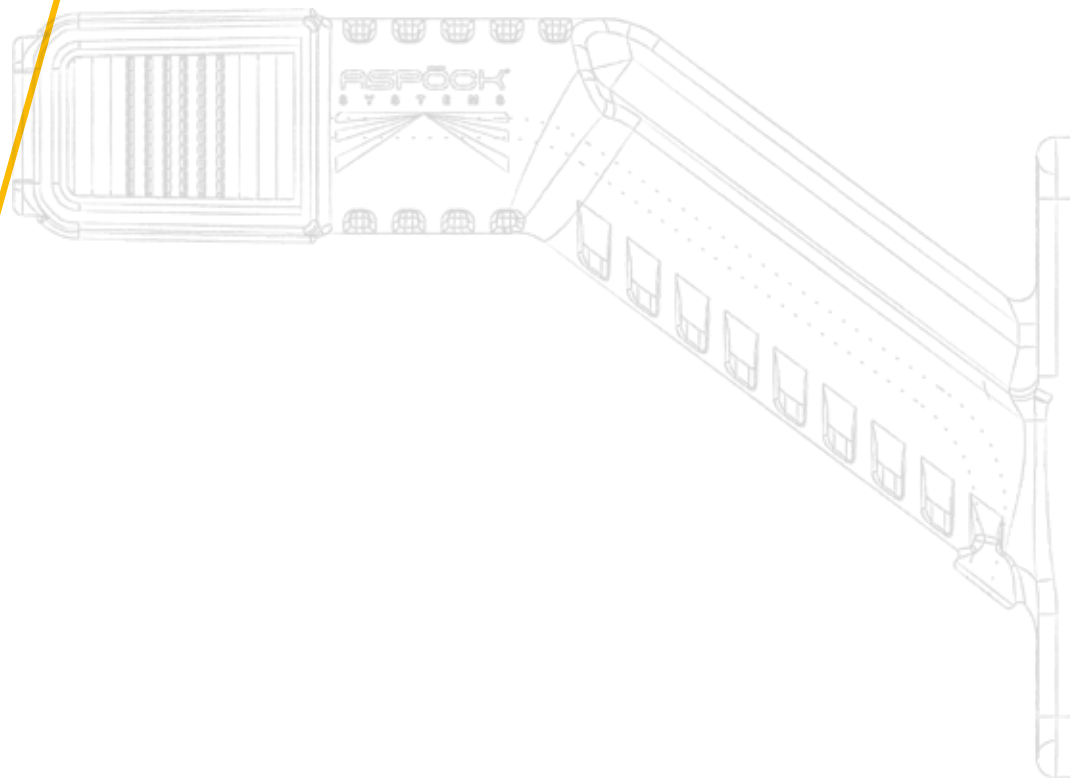
BEACONS

ERIOR LAMPS

LAMPS

NUMBER PLATE HOLDERS

Multiple mounting options are one of the many product features that the end-outline marker lamps from Aspöck Systems have to offer. These lamps also increase the safety of your vehicle due to their high visibility.



SUPERPOINT IV LED

Universal application across different versions



PRODUCT FEATURES

RESISTANT DESIGN

Flexible mounting arm in different versions

HIGH LIGHT OUTPUT

With low power consumption

LED END-OUTLINE MARKER LAMP

With a clear design

HIGHLY DIVERSE VARIANTS

Due to different brackets, cable lengths and plug connections

INCLUDING SIDE MARKER LAMP

Either in orange or red

DUAL VOLTAGE

For 12 & 24 volt applications



[A]



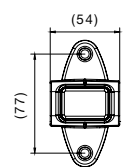
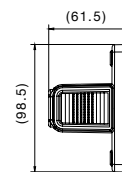
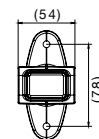
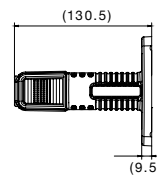
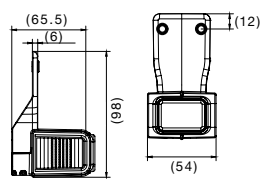
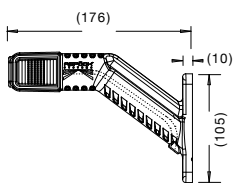
[B]



[C]



[D]



← PART NO.	→ PART NO.				VERSION	ADDITION	CONNECTION	CABLE
31-3104-007	31-3104-017	1/50	LED	12V 24 V	[A]		P&R	2.00 m
31-3105-017	31-3106-017	1/50	LED	12V 24 V	[A]		ASS2	0.50 m
31-3105-007	31-3106-007	1/50	LED	12V 24 V	[A]		ASS2	2.00 m
31-3104-087	31-3104-097	1/-	LED	12V 24 V	[B]		P&R	2.00 m
31-3104-047	31-3104-057	1/-	LED	12V 24 V	[C]		P&R	2.00 m
31-3104-067	31-3104-077	1/-	LED	12V 24 V	[D]		P&R	2.00 m

SUPERPOINT III LED

Powerful form and light performance



ADR Zone 2  IP 69K

PRODUCT FEATURES

MANY MOUNTING OPTIONS

Due to a large selection of brackets

HIGH LIGHT OUTPUT

With low power consumption

SAME ITEM CAN BE USED ON BOTH SIDES

For bracket version [B] and [D]

DURABLE DESIGN

Break-proof, weather-resistant and flexible material



[A]



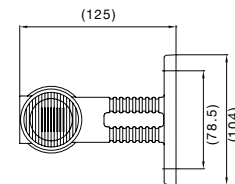
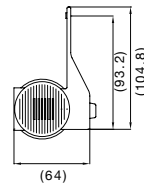
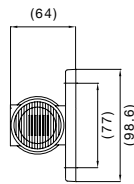
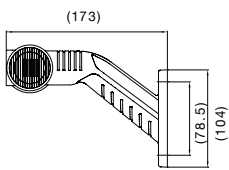
[B]



[C]



[D]



← PART NO.	→ PART NO.				VERSION	ADDITION	CONNECTION	CABLE
31-3304-047	31-3304-057	1/50	LED	24 V	[A]		P&R	1.25 m
31-3304-067	31-3304-077	1/-	LED	24 V	[A]		P&R	1.25 m
31-3305-127	31-3306-127	1/-	LED	24 V	[A]		ASS3	1.25 m
31-3305-017	31-3306-017	1/-	LED	24 V	[A]		ASS2	1.75 m
31-3303-007	31-3302-007	1/25	LED	24 V	[A]		Open end	4.00 m
31-3303-017	31-3302-017	1/-	LED	24 V	[A]		Open end	4.00 m
31-3364-007		1/50	LED	24 V	[B]		P&R	1.50 m
31-3360-007		1/25	LED	24 V	[B]		Open end	4.00 m
31-3364-017		1/-	LED	24 V	[B]		P&R	1.50 m
31-3360-017		1/-	LED	24 V	[B]		Open end	4.00 m
31-3364-057	31-3364-027	1/50	LED	24 V	[C]		P&R	1.50 m
31-3365-017	31-3366-027	1/-	LED	24 V	[C]		Open end	4.00 m
31-3364-047	31-3364-037	1/-	LED	24 V	[C]		P&R	1.50 m
31-3365-027	31-3366-017	1/-	LED	24 V	[C]		Open end	4.00 m
31-3304-087		1/-	LED	24 V	[D]		P&R	1.25 m
31-3307-017		1/50	LED	24 V	[D]		ASS2	1.75 m
31-3307-007		1/-	LED	24 V	[D]		ASS2	1.75 m
31-3300-247		1/40	LED	24 V	[D]		Open end	4.00 m

NUMBER PLATE LAMPS

FLEXLED

REGPOINT II LED

REGPOINT I LED

REGPOINT I

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

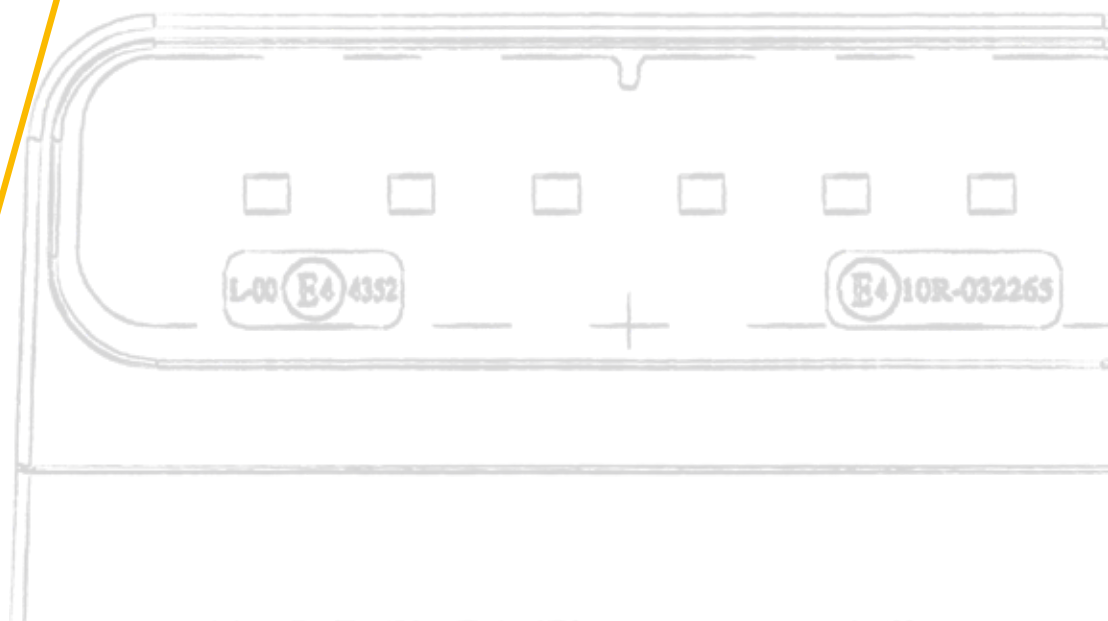
BEACONS

INTERIOR LAMPS

LAMPS

NUMBER PLATE HOLDERS

For the best possible illumination of a number plate, Aspöck offers a range of number plate lights with different designs and various connections.



REGPOINT II LED

Two designs for maximum flexibility



PRODUCT FEATURES

SIMPLE MOUNTING

Thanks to installed bolts

HIGHLY DIVERSE VARIANTS

Due to different cable lengths and plug connections

HIGH LIGHT OUTPUT

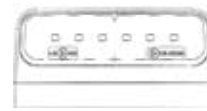
With low power consumption

SINGLE MOUNTING POSSIBLE

Through use of the raised version with base

DUAL VOLTAGE

For 12 & 24 volt applications



Version SINGLE MOUNTING

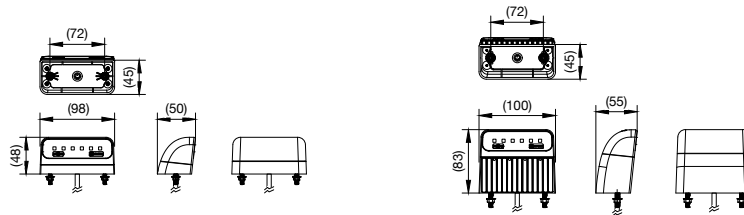
Version DOUBLE MOUNTING



[A]



[B]



PART NO.				VERSION	MOUNTING	CONNECTION	CABLE
36-3804-007	1/100	LED	12V 24V	[A]		P&R	0.50 m
36-3804-017	1/50	LED	12V 24V	[A]		P&R	2.00 m
36-3806-007	1/50	LED	12V 24V	[A]		ASS2	0.50 m
36-3805-007	1/25	LED	12V 24V	[A]		ASS2	2.00 m
36-3810-007	1/50	LED	12V 24V	[A]		ASS3	0.50 m
36-3864-007	1/-	LED	12V 24V	[B]		P&R	0.50 m
36-3864-017	1/50	LED	12V 24V	[B]		P&R	2.00 m
36-3867-017	1/-	LED	12V 24V	[B]		ASS2	0.50 m
36-3867-027	1/50	LED	12V 24V	[B]		ASS2	2.00 m
36-3865-007	1/-	LED	12V 24V	[B]		ASS3	0.50 m

REGPOINT I & REGPOINT I LED

A wide range with practical application



IP 54

PRODUCT FEATURES

SIMPLE MOUNTING

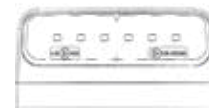
Thanks to installed bolts

HIGHLY DIVERSE VARIANTS

Due to different cable lengths and plug connections

HIGH LIGHT OUTPUT FOR LED

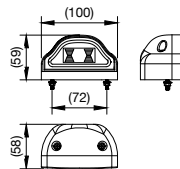
With low power consumption



Version **LED**



Version **LIGHT BULB**



PART NO.				MOUNTING	CONNECTION	CABLE
36-3604-007	1/-	LED	24 V		P&R	0.50 m
36-3604-017	1/80	LED	24 V		P&R	1.00 m
36-3604-027	1/40	LED	24 V		P&R	3.50 m
36-3607-007	1/-	LED	24 V		ASS2	0.50 m
36-3607-017	1/50	LED	24 V		ASS2	1.00 m
36-3607-027	1/40	LED	24 V		ASS2	3.50 m
36-3004-017	1/100		24 V		P&R	0.50 m
36-3004-027	1/100		24 V		P&R	1.00 m
36-3004-057	1/-		24 V		P&R	3.50 m
36-3007-007	1/90		24 V		ASS2	0.50 m
36-3007-057	1/50		24 V		ASS2	1.00 m
36-3007-047	1/20		24 V		ASS2	2.50 m
36-3007-397	1/90		24 V		ASS3	0.50 m

FLEXLED NUMBER PLATE HOLDER

Innovative quick mounting and locking system



PRODUCT FEATURES

LOCKING SYSTEM WITH QUICK CLAMPING

Quick and easy number plate change

SMART QUICK-MOUNTING SYSTEM

Simple mounting of the holder on the vehicle

FOR ALL EU NUMBER PLATES

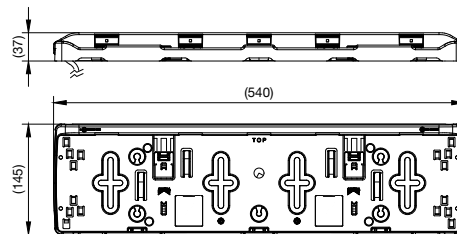
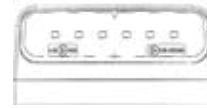
Suitable for 110 and 120 mm height

ADR-APPROVED




Tested for zone 2

HOMOGENEOUS ILLUMINATION

Thanks to integrated FlexLED strip



Mounting clip

PART NO.				CONNECTION	CABLE
36-3704-107	1/-	LED	24 V	Open end	0.50 m
36-3704-197	1/-	LED	24 V	Open end	1.50 m
36-3704-147	1/-	LED	24 V	P&R	0.50 m
36-3704-117	1/-	LED	24 V	P&R	1.50 m
36-3704-137	1/-	LED	24 V	ASS2	0.50 m
36-3704-177	1/-	LED	24 V	ASS2	1.50 m
36-3704-157	1/-	LED	24 V	Superseal	0.50 m
36-3704-187	1/-	LED	24 V	Superseal	1.50 m

ACCESSORY

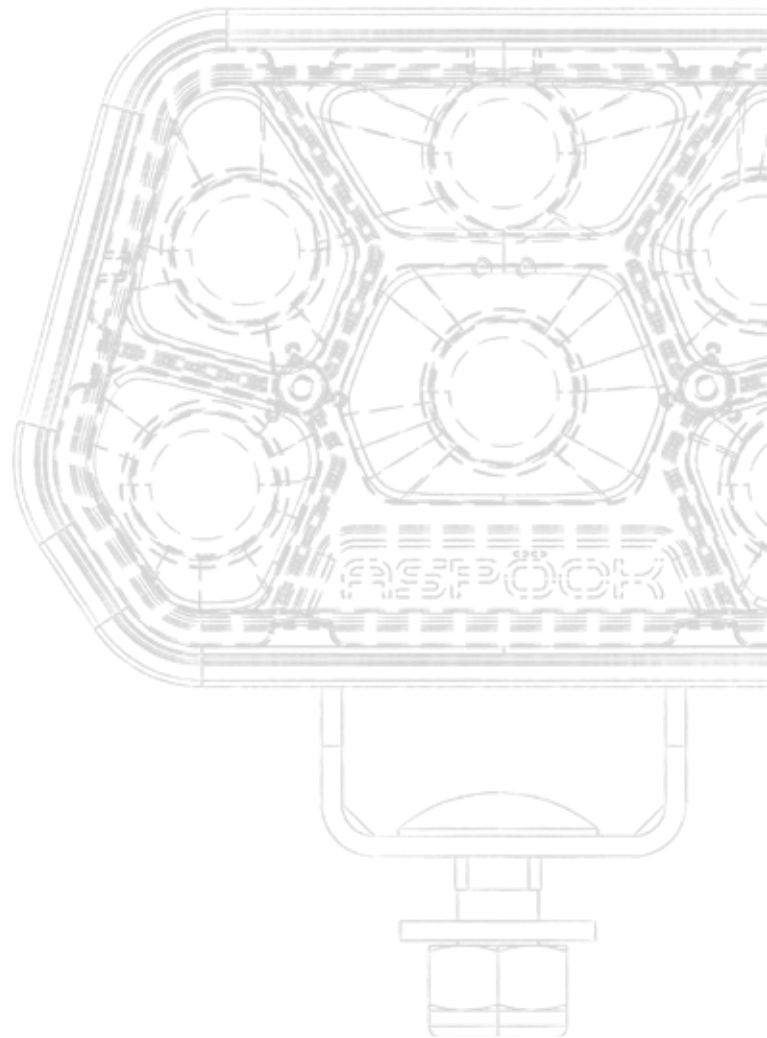
PART NO.		DESCRIPTION
15-5300-427	1/100	Mounting clip

WORK & REVERSING LAMPS

WORKPOINT II 1000
WORKPOINT II 1500
WORKPOINT II 3000

NUMBER PLATE LAMPS
BEACONS
INTERIOR LAMPS
WORK LAMPS
NUMBER PLATE HOLDERS
SIDE MARKER LAMPS
REVERSING LAMPS
E LIGHT
POSITIONS LAMPS
OUTLINE MARKER LAMPS
REAR LAMPS
NUMBER PLATE LAMPS
BEACONS
ERIOR LAMPS
LAMPS
NUMBER PLATE HOLDERS

Working in the dark or in poor lighting conditions often demands a lot from you. These specially developed work lamps provide a reliable light source and ensure optimum light distribution during the day and at night.



WORKPOINT II 3000

LED work lamp & reversing light with large adjustment angle



PRODUCT FEATURES

HIGH EFFICIENCY

Due to >95 lumens/watt

LARGE VERTICAL SWIVEL RANGE

From -67° to +127°

LIGHT AND COMPACT

A weight of only 660 grams

LIGHT COLOUR SIMILAR TO DAYLIGHT

5700 Kelvin

HOMOLOGATED REVERSING LIGHT

According to ECE R23

EXCELLENT CORROSION RESISTANCE

Powder-coated aluminium heat sink

OPTIMAL LIGHT DISTRIBUTION

With innovative optics

HIGH-QUALITY MATERIALS

Bracket and screws are made of stainless steel

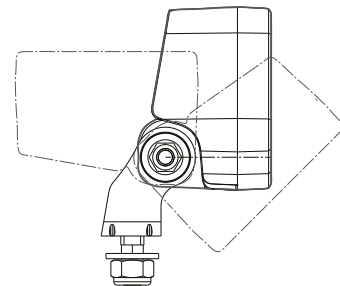
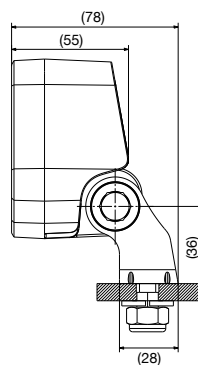
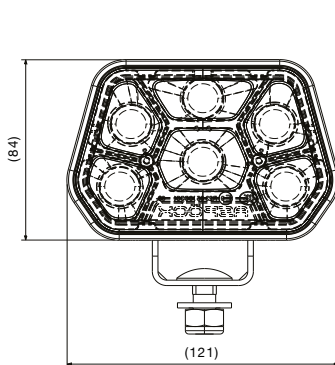
DUAL VOLTAGE




For 12 & 24 volt applications




Can be swivelled up to +127°

Can be swivelled up to -67°



PART NO.				DESCRIPTION	LUMEN	CONNECTION	CABLE
28-8524-037	1/16	LED	12V 24 V	20° beam angle	3000	DT on housing	-
28-8524-047	1/16	LED	12V 24 V	60° beam angle	3000	DT on housing	-
38-8524-037	1/16	LED	12V 24 V	20° beam angle	3000	Open end	1.50 m
38-8524-047	1/16	LED	12V 24 V	60° beam angle	3000	Open end	1.50 m

ACCESSORY

PART NO.		DESCRIPTION	CONNECTION
14-4302-227	1/-	Omega bracket	
69-0236-017	1/-	Extension for DT version	3.00 m open end
69-0236-007	1/-	Extension for DT version	5.00 m open end

WORKPOINT II 1500

Compact LED work & reversing light with high efficiency



PRODUCT FEATURES

HIGH EFFICIENCY

Due to >125 lumens/watt

LARGE VERTICAL SWIVEL RANGE

From -35° to +100°

LIGHT AND COMPACT

A weight of only 560 grams

LIGHT COLOUR SIMILAR TO DAYLIGHT

5700 Kelvin

HOMOLOGATED REVERSING LIGHT

According to ECE R23

EXCELLENT CORROSION RESISTANCE

Powder-coated aluminium heat sink

OPTIMAL LIGHT DISTRIBUTION

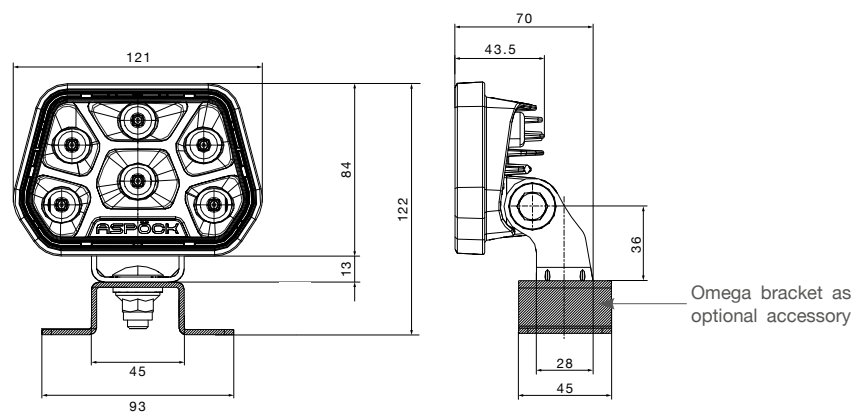
With innovative optics

HIGH-QUALITY MATERIALS

Bracket and screws are made of stainless steel

DUAL VOLTAGE

For 12 & 24 volt applications



PART NO.				DESCRIPTION	LUMEN	CONNECTION	CABLE
28-8524-007	1/24	LED	12V 24 V	60° beam angle	1500	DT on housing	-
38-8524-007	1/24	LED	12V 24 V	60° beam angle	1500	Open end	1.50 m
38-8524-057	1/24	LED	12V 24 V	60° beam angle	1500	ASS2	1.50 m

ACCESSORY

PART NO.		DESCRIPTION	CONNECTION
14-4302-227	1/-	Omega bracket	
69-0236-017	1/-	Extension for DT version	3.00 m open end
69-0236-007	1/-	Extension for DT version	5.00 m open end

WORKPOINT II 1000

Compact design, flexible use



PRODUCT FEATURES

HIGH EFFICIENCY

Due to >100 lumens/watt

LARGE VERTICAL SWIVEL RANGE

From -40° to +110°

LIGHT COLOUR SIMILAR TO DAYLIGHT

5700 Kelvin

LIGHT AND COMPACT

A weight of only 412 grams

HOMOLOGATED REVERSING LIGHT

According to ECE R23

CORROSION RESISTANT & HEAT DISSIPATING

Due to thermally conductive plastic

OPTIMAL LIGHT DISTRIBUTION

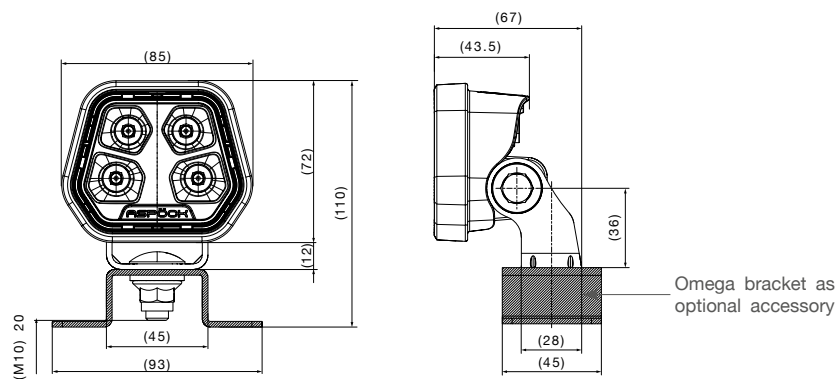
With innovative optics

HIGH-QUALITY MATERIALS

Bracket and screws are made of stainless steel

DUAL VOLTAGE

For 12 & 24 volt applications



PART NO.				DESCRIPTION	LUMEN	CONNECTION	CABLE
28-8524-017	1/24	LED	12V 24 V	60° beam angle	1000	DT on housing	-
38-8524-017	1/24	LED	12V 24 V	60° beam angle	1000	Open end	1.50 m
38-8524-067	1/24	LED	12V 24 V	60° beam angle	1000	ASS2	1.50 m

ACCESSORY

PART NO.		DESCRIPTION	CONNECTION
14-4302-227	1/-	Omega bracket	
69-0236-017	1/-	Extension for DT version	3.00 m open end
69-0236-007	1/-	Extension for DT version	5.00 m open end

FLEXLED STRIPS & INTERIOR LAMPS

FLEXLED

INPOINT III LED

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

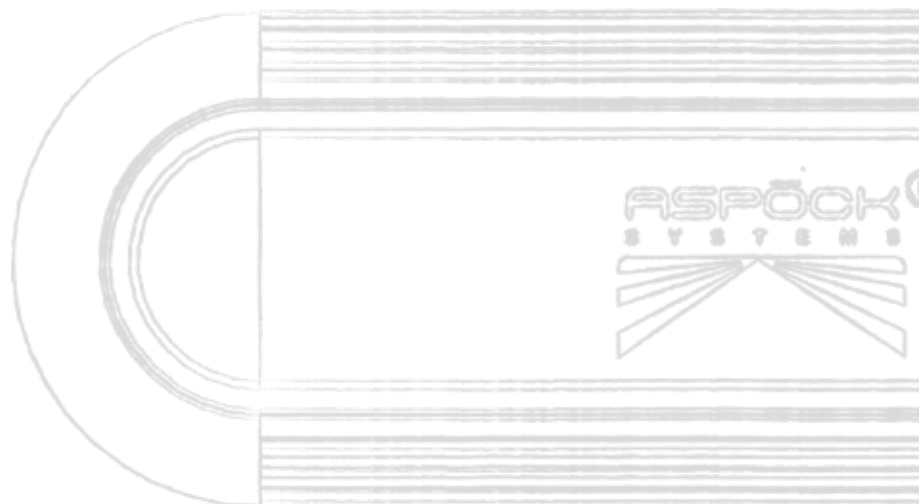
BEACONS

INTERIOR LAMPS

LAMPS

NUMBER PLATE HOLDERS

Nowadays, it is not only the vehicle lighting on the outside that plays a crucial role. Interior lighting is also becoming increasingly important. Aspöck Systems offers an individual combination of design and functionality.



ASPÖCK FLEXLED LED STRIPS

FlexLED – light strips with a design factor

Future-proof LED technology merged with sleek design - when it comes to innovative vehicle lighting, appearance plays an important role alongside safety. Aspöck FlexLED has picked up on this trend and combined it with a system solution. Whether in the passenger compartment or in the loading area, Aspöck Systems offers you the perfect solution for your vehicle.

The LED strips are divided into the following categories and are available in the respective sizes depending on the category:

FlexLED Kelvin



Work and ambient lighting

FlexLED ECE



Rear light, 3rd brake light, position lamp

FlexLED Monochrome



Status display and special lighting

FlexLED small



FlexLED medium



FlexLED large



CHARACTERISTICS

IP 6K9K

Protection classification

ECE R10

Electromagnetic compatibility

CISPR class3

ADR

ADR-capable



Can be homologated

51g shock

Shock and vibration-resistant

10-2000Hz vibration



Resistant to chemicals



FLEXLED KELVIN

LED strips, ideal for work and ambient lighting



PRODUCT FEATURES

USE: WORK & AMBIENT LIGHTING

Optimised light distribution ensures reduced shadows in working areas

GLARE-FREE LIGHT SOURCE

Due to the linear light emission

INTEGRATION IN VEHICLE STRUCTURAL COMPONENTS

Perfect illumination for the interior and exterior of the vehicle

LIGHT COLOUR: WARM WHITE TO COLD WHITE

2700 Kelvin to 6000 kelvin

DIFFERENT LIGHT OUTPUTS

From 270 lumens/m to 1500 lumens/m

STURDY DESIGN

Vibration, shock and chemical resistant

CASTING TRANSPARENT OR DIFFUSE

Depending on the area of application and requirement

ECE LIGHT FUNCTIONS

Approved in line with ECE REG 48



Side marker lamp for truck trailers



Position lamp for truck trailers



3rd stop lamp and position lamps for truck trailers



PRODUCT FEATURES

AVAILABLE IN LARGE PROFILE

For homogeneous light emission and elegant cold design

STURDY DESIGN

Vibration, shock and chemical resistant

CUSTOMISED SOLUTIONS

Customised lengths for every lighting function

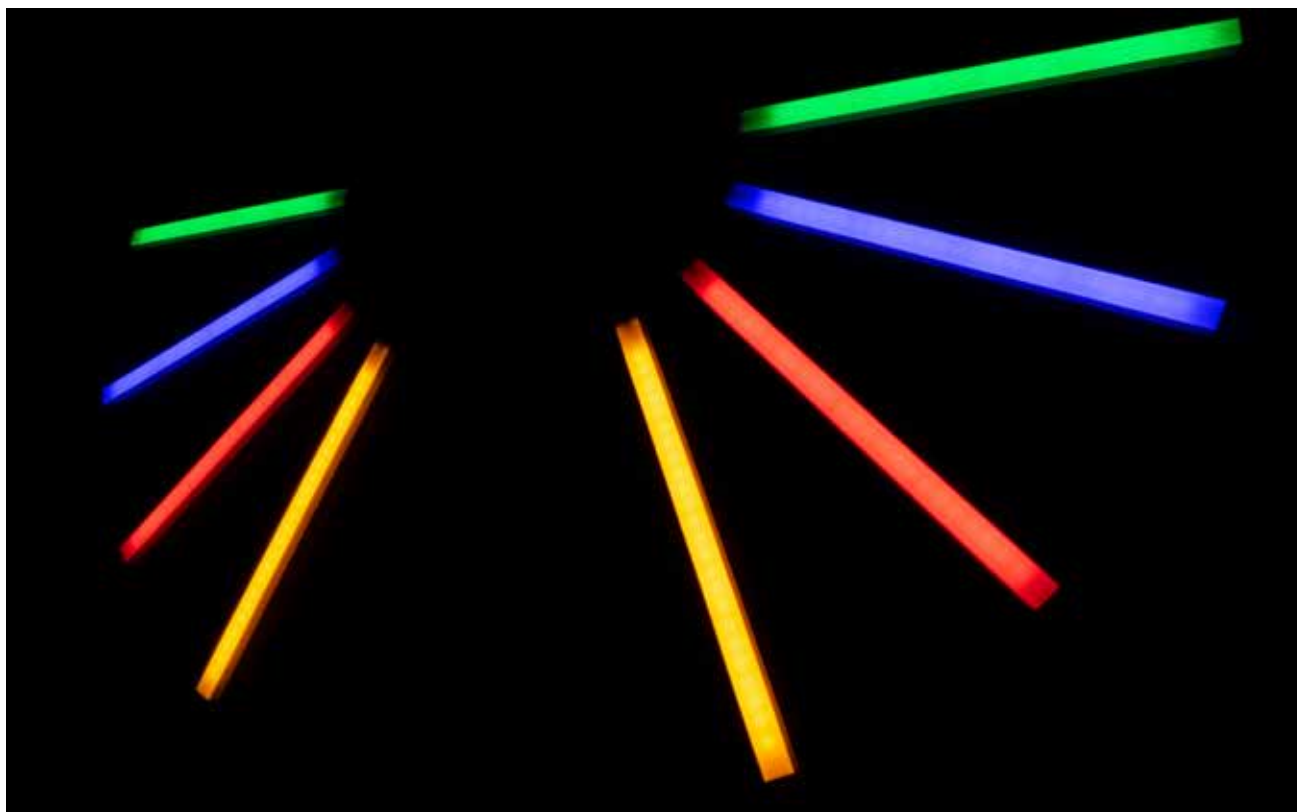
AVAILABLE IN ALL ECE COLOURS

Red, yellow, white



FLEXLED MONOCHROME

LED strips, ideal for status and special lighting



PRODUCT FEATURES

HIGH LIGHT PERFORMANCE

Using single-colour LEDs

POWERFUL STATUS DISPLAYS

Thanks to freely selectable colour combinations

AVAILABLE IN SMALL, MEDIUM AND LARGE

Enables universal use

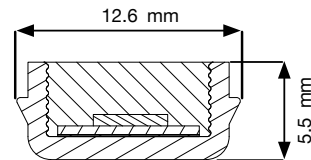
PRODUCT VERSIONS

The LED strips are available in the following sizes, depending on the product category



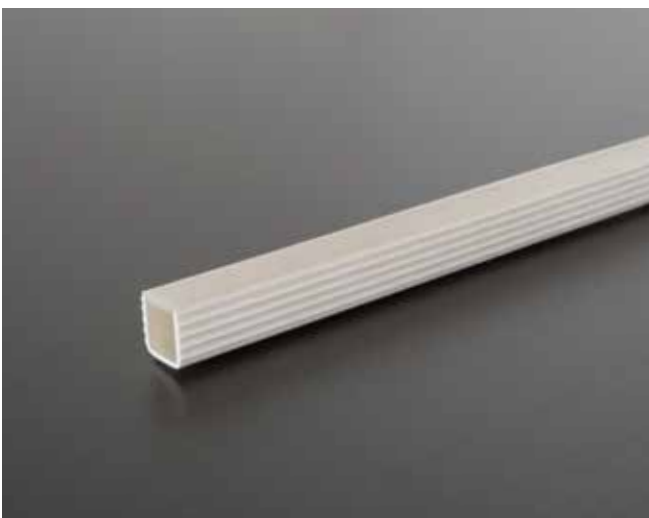
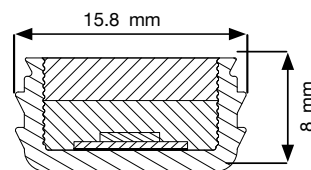
FLEXLED SMALL

For a length up to 15 m
Compact & space-saving
Small bend radius of 10 cm



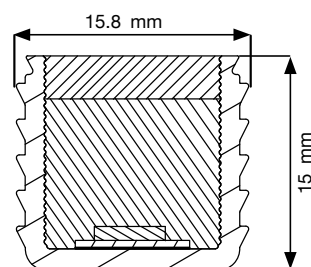
FLEXLED MEDIUM

Can be used with profiles
The multi purpose LED strip
Small bend radius of 15 cm
For a length up to 5 m



FLEXLED LARGE

Designed for homologisable lighting functions
Diffuse casting for homogeneous light emission
Sturdy design
For a length up to 5 m
Small bend radius of 20 cm



FLEXLED PROFILE

Easy attachment due to medium mounting profiles

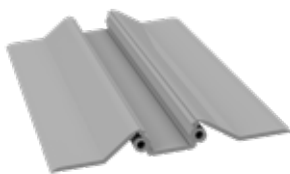


Interior lighting for truck trailers / mounting with corner profile

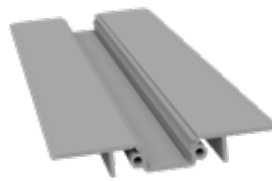
45° corner profile



Ramp profile




Flat profile



End cover



PART NO.		DESCRIPTION	COLOUR	LENGTH
14-4230-677		Mounting bracket corner profile medium	Grey RAL 7035	1.00 m
14-4130-647		Mounting bracket corner profile medium	Black RAL 9005	1.00 m
14-4230-657		Mounting bracket ramp profile medium	Grey RAL 7035	1.00 m
14-4230-627		Mounting bracket ramp profile medium	Black RAL 9005	1.00 m
14-4230-667		Mounting bracket flat profile medium	Grey RAL 7035	1.00 m
14-4230-637		Mounting bracket flat profile medium	Black RAL 9005	1.00 m
15-5250-737		LED strip cover	Transparent	1.00 m
15-5250-747		LED strip cover	Diffuse	1.00 m
15-5250-757		LED strip blind zone end cover	Grey RAL 7035	1.00 m
15-5250-767		LED strip blind zone end cover	Black RAL 9005	1.00 m

INPOINT III LED

The optimum interior light for multiple applications



PRODUCT FEATURES

LONG LIFE SPAN

Thanks to sturdy construction

OPTIMAL WORK LIGHT

Light colour 6000 kelvin

HIGH LIGHT OUTPUT

With low power consumption

THREE VERSIONS

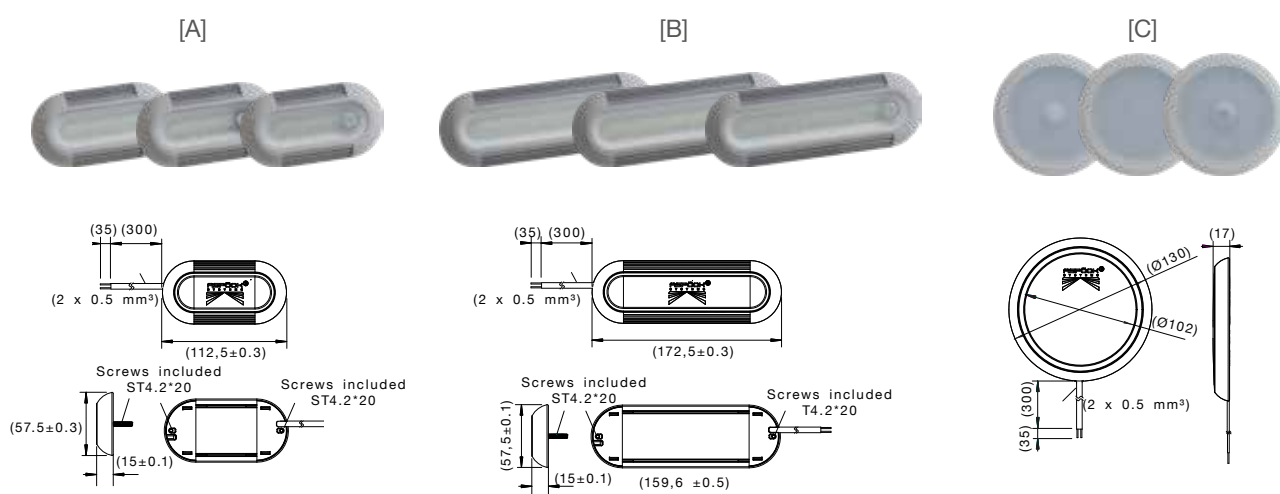
Optionally with switch or motion sensor

DUAL VOLTAGE

For 12 & 24 volt applications

MODERN LOOK

Lens in frosted optics



PART NO.				VERSION	ADDITION	LUMEN	CONNECTION	CABLE
39-8900-157	1/-	LED	12V 24V	[A]	IP 6K9K	700 lumens	Open end	0.30 m
39-8900-207	1/-	LED	12V 24V	[A] with motion sensor	IP 67	700 lumens	Open end	0.30 m
39-8900-257	1/-	LED	12V 24V	[A] with switch	IP 6K9K	700 lumens	Open end	0.30 m
39-8900-007	1/-	LED	12V 24V	[B]	IP 6K9K	1,400 lumens	Open end	0.30 m
39-8900-057	1/-	LED	12V 24V	[B] with motion sensor	IP 67	1,400 lumens	Open end	0.30 m
39-8900-107	1/-	LED	12V 24V	[B] with switch	IP 6K9K	1,400 lumens	Open end	0.30 m
39-8900-307	1/-	LED	12V 24V	[C]	IP 6K9K	2,200 lumens	Open end	0.30 m
39-8900-357	1/-	LED	12V 24V	[C] with motion sensor	IP 67	2,200 lumens	Open end	0.30 m
39-8900-401	1/-	LED	12V 24V	[C] with switch	IP 6K9K	2,200 lumens	Open end	0.30 m

WIRING & JUNCTION BOXES

SML FEED LINE

DISTRIBUTOR XL

ASS DISTRIBUTOR

MAIN CABLES

P&R FLAT CABLES

FEED LINES

SOCKET DISTRIBUTORS

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

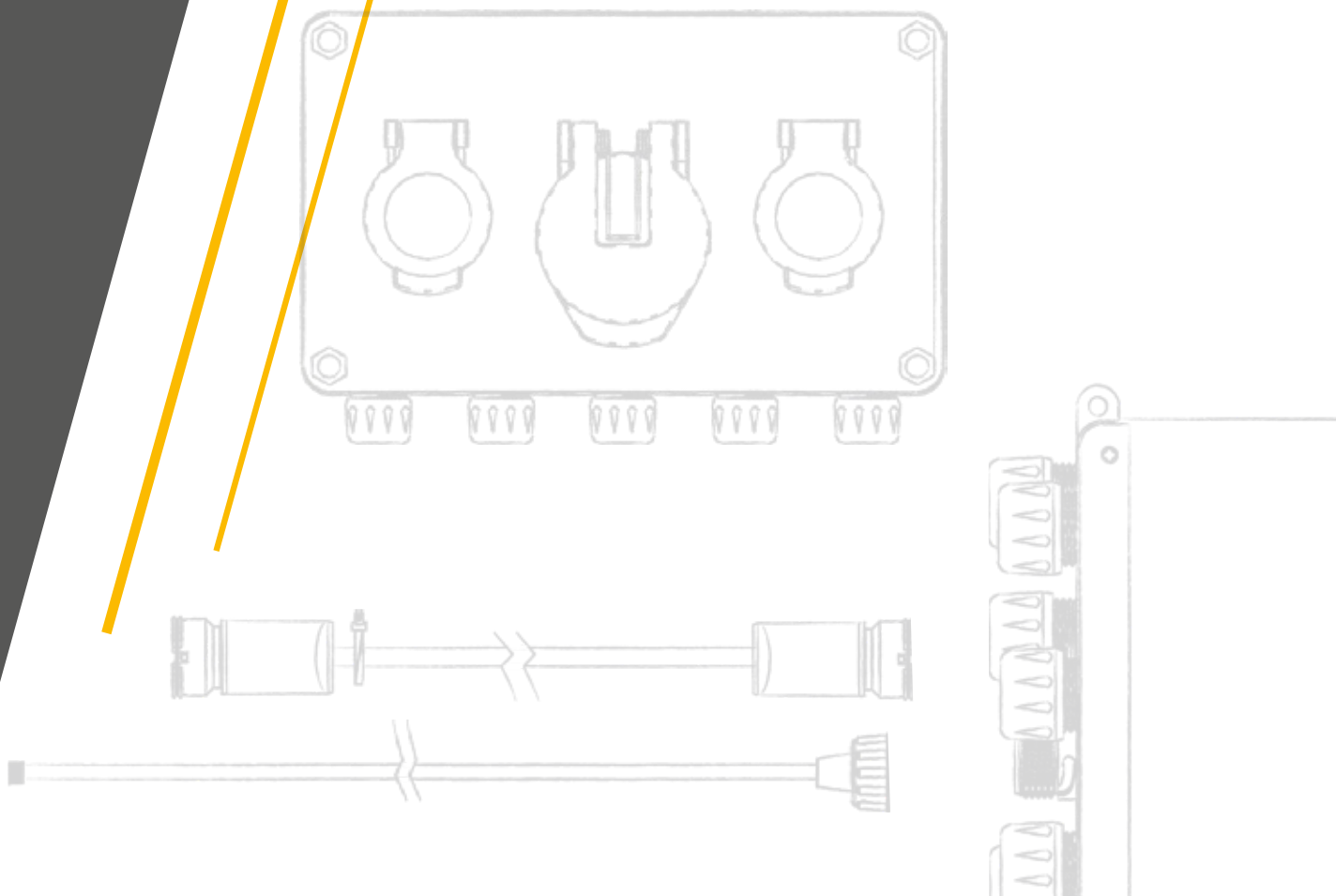
BEACONS

ERIOR LAMPS

LAMPS

NUMBER PLATE HOLDERS

In addition to vehicle lighting of all kinds, cable and plug-in systems round off the wide range of Aspöck products. Always with the highest level of quality, we give our all to fulfil every customer-specific requirement in the best possible way.



ASPÖCK WIRING & LIGHT SYSTEMS

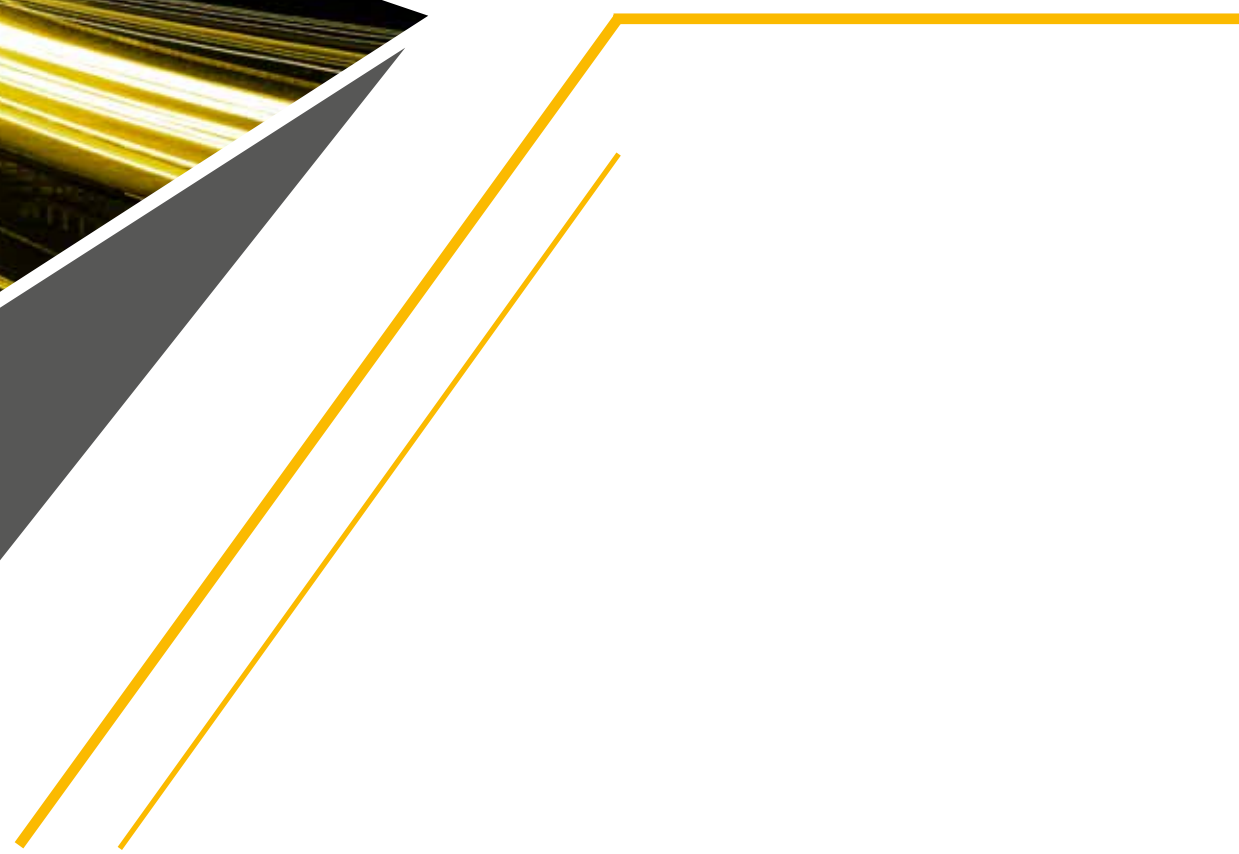
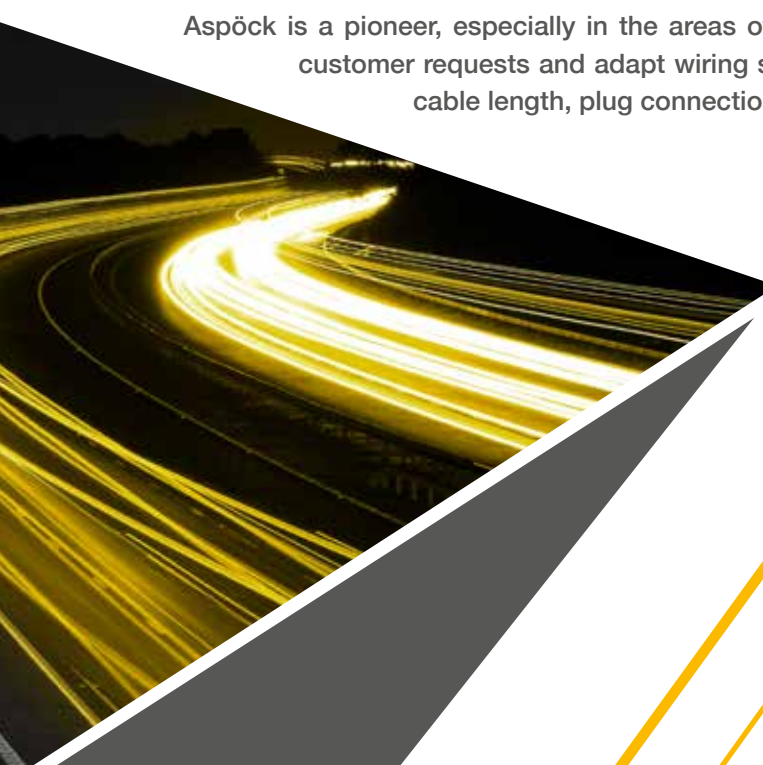
The heart of every vehicle – the wiring.

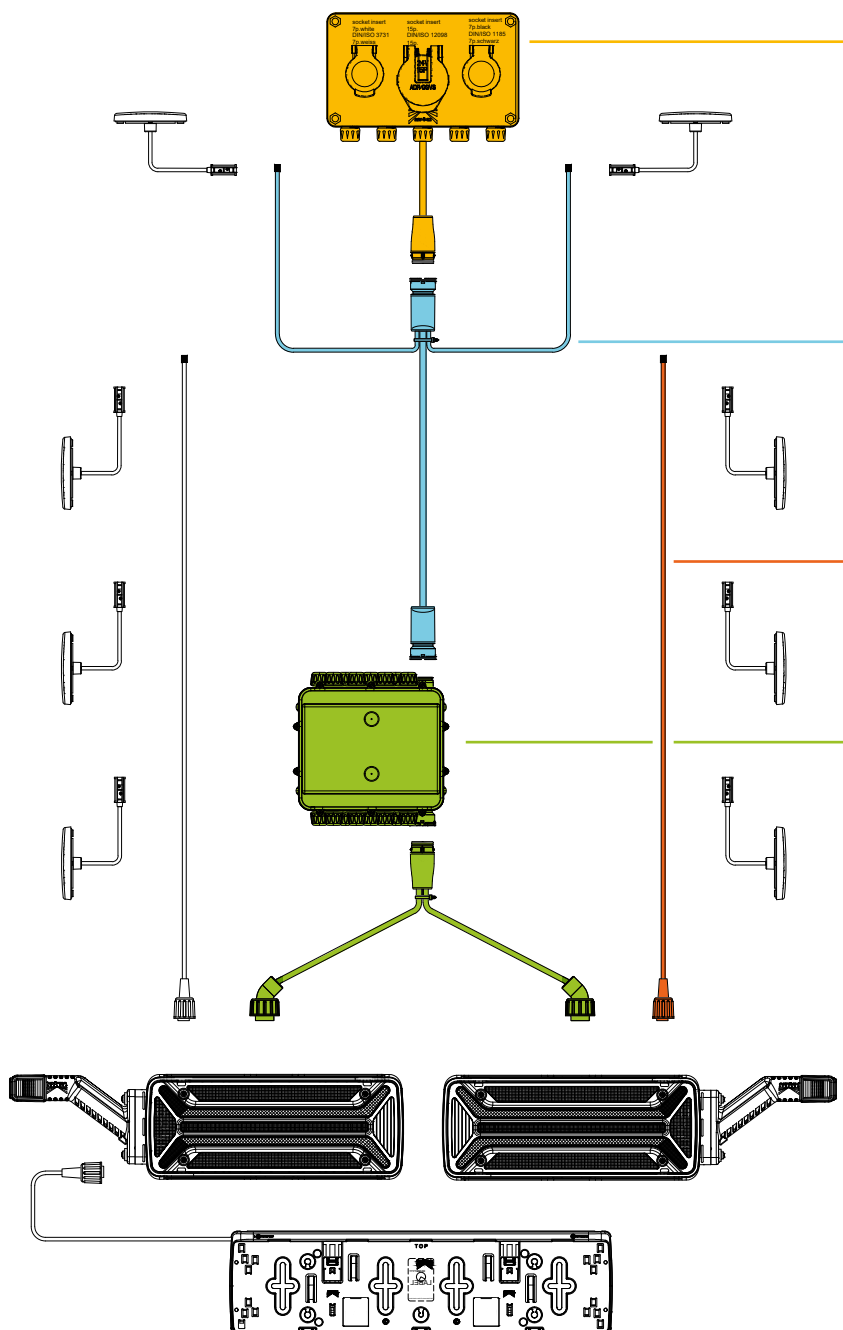
It provides the connection that makes the lamps shine in the first place.

That is why Aspöck Systems offers a wide range of standard wiring systems for all of the segments that are available to our customers directly from the warehouse, from ADR cables to cables for electronic applications (BUS).

But what would a cable be without a proper connection? There is a wide variety of connector systems available for connecting the cables to various system components. An outstanding example is the ASPÖCK connector system (ASS) developed in-house.

Aspöck is a pioneer, especially in the areas of wiring and junction boxes. We respond to individual customer requests and adapt wiring systems precisely to their requirements with regards to cable length, plug connections, etc.





FEED LINE

Socket distributor
Feed lines

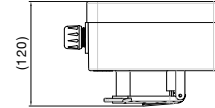
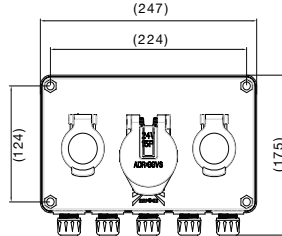
MAIN WIRING


**WIRING FOR
SIDE MARKER LAMPS**

**JUNCTION BOX &
WIRING**

ASS2 distributor
XL distributor
Rear supply harness

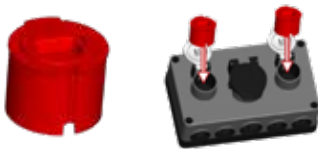
3-SOCKET JUNCTION BOX



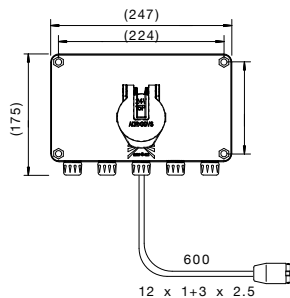
PART NO.		DESCRIPTION	CABLE
76-7037-007	1/-	Socket 15-pin ISO 12098 + socket ISO 1185 & 3731 (N+S) ASS3 15-pin female connector	0.60 m
76-7069-007	1/-	Socket 15-pin ISO 12098 + socket ISO 1185 & 3731 (N+S) ASS3 15-pin female connector	Direct connection


This makes the 3-compartment socket distributor permissible for **ADR Zone 2**:

To make the socket distributor compatible with ADR travel, you must use the ADR safety caps for the ISO 1185 and ISO 3731 sockets.



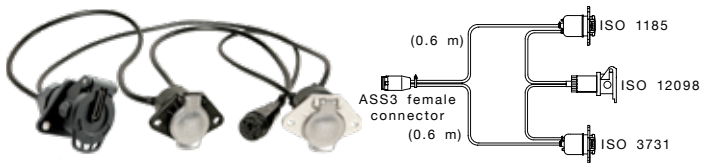
PART NO.		DESCRIPTION
15-5280-154	1/-	2-piece safety caps for sockets ISO 1185 and ISO 3731



PART NO.		DESCRIPTION	CABLE
76-7072-007	1/-	Socket 15-pin ISO 12098 ASS3 15-pin female connector	0.60 m



FEED LINES



PART NO.		DESCRIPTION	CABLE
58-6647-007	1/-	Socket 15-pin ISO 12098 + socket ISO 1185 & 3731 (N+S)	0.60 m



PART NO.		DESCRIPTION	CABLE
53-6768-007	1/-	Socket 15-pin ISO 12098	0.60 m



PART NO.		DESCRIPTION	CABLE
58-6649-007	1/-	Socket ISO 1185 & 3731 (N+S)	0.60 m



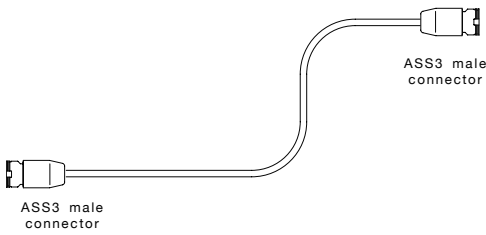
PART NO.		DESCRIPTION	CABLE
53-1667-037	1/-	Plug 15-pin ISO 12098	4.80 m




PART NO.		DESCRIPTION	CABLE
58-6024-017	1/-	Plug ISO 1185 & 3731 (N+S)	4.80 m

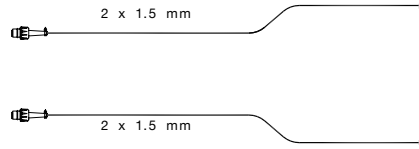
MAIN CABLES


Main cable with 17-pin ASS3 connection, ADR version

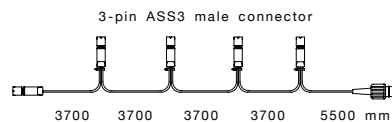



PART NO.		DESCRIPTION	CABLE
65-1003-007	1/-	2 x ASS3 15-pin male connector	6 x 1.00 mm ² + 2 x 2.50 mm 9.00 m
65-1003-017	1/-	2 x ASS3 15-pin male connector	6 x 1.00 mm ² + 2 x 2.50 mm ² 12.50 m
65-1003-027	1/-	2 x ASS3 15-pin male connector	6 x 1.00 mm ² + 2 x 2.50 mm ² 15.00 m
65-1005-007	1/-	2 x ASS3 15-pin male connector	7 x 1.00 mm ² + 1 x 1.50 mm ² + 2 x 2.50 mm ² 9.00 m
65-1005-017	1/-	2 x ASS3 15-pin male connector	7 x 1.00 mm ² + 1 x 1.50 mm ² + 2 x 2.50 mm ² 12.50 m
65-1005-027	1/-	2 x ASS3 15-pin male connector	7 x 1.00 mm ² + 1 x 1.50 mm ² + 2 x 2.50 mm ² 15.00 m
65-1007-007	1/-	2 x ASS3 15-pin male connector	12 x 1.00 mm ² + 3 x 2.50 mm ² 9.00 m
65-1007-017	1/-	2 x ASS3 15-pin male connector	12 x 1.00 mm ² + 3 x 2.50 mm ² 12.50 m
65-1007-027	1/-	2 x ASS3 15-pin male connector	12 x 1.00 mm ² + 3 x 2.50 mm ²² 15.00 m

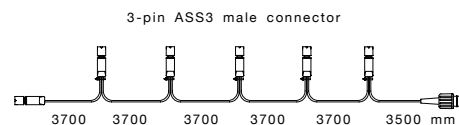
SML WIRING




PART NO.		DESCRIPTION	CABLE
68-7503-047	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) WH 10.00 m
68-7503-007	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) WH 13.00 m
68-7502-367	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) YL/GN 13.00 m
68-7503-017	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) WH 15.00 m
68-7503-177	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) WH 16.00 m
68-7503-027	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) WH 17.00 m
68-7502-377	1/-	ASS2 2-pin female connector (YL/GN)	P&R flat cable 2 x 1.50 mm ² (ADR) YL/GN 17.00 m



PART NO.		DESCRIPTION	CABLE
87-1284-007	1/-	ASS2 2-pin female connector (BL) + 5 x ASS3 2-pin	2 x 1.00 mm ² (ADR) 1 x 5.50 m + 4 x 3.70 m



PART NO.		DESCRIPTION	CABLE
87-1285-007	1/-	ASS2 2-pin female connector (BL) + 6 x ASS3 2-pin	2 x 1.00 mm ² (ADR) 1 x 3.50 m + 5 x 3.70 m

JUNCTION BOX XL

With improved sealing and an innovative diaphragm ventilation system



IP 56K

PRODUCT FEATURES

IMPROVED OVERVIEW

Larger design compared to ASS1

INNOVATIVE DIAPHRAGM VENTILATION SYSTEM

Prevents negative pressure or overpressure in the junction box

HIGHER LEAK TIGHTNESS CLASS IP56K

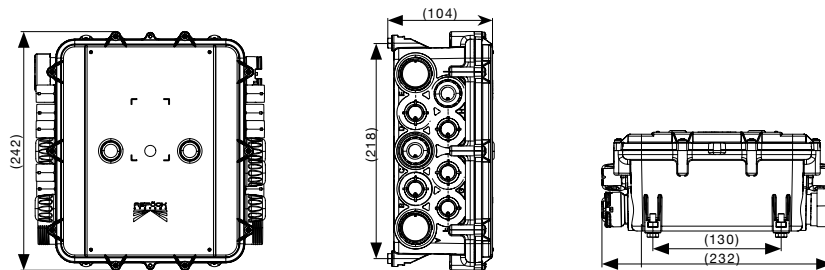
Due to the improved sealing system between cover and housing

OPTIONAL SPECIAL FUNCTIONS

E.g. relays, SMCG, fuses & diodes, due to integrated relay bases and brackets

BETTER MAINTENANCE AT CUSTOMER SITE

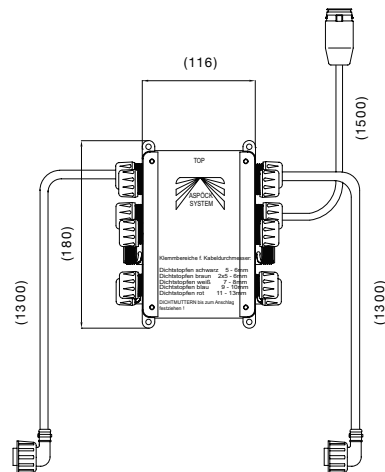
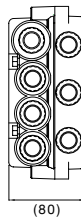
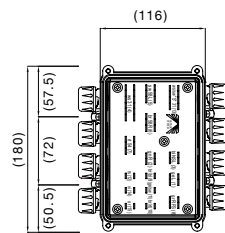
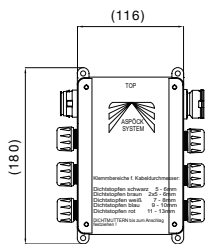
Option for more organised cable routing



PART NO.		DESCRIPTION
76-5203-007	1/-	Distributor box XL Standard + ASS3

ASS1 JUNCTION BOX

Safe & simple handling



IP 54

PRODUCT FEATURES

TIME-SAVING AND LIGHTER INSTALLATION

Pre-wiring possible

SAFE & SIMPLE HANDLING

No need to open the junction box – IP54 tightness guaranteed

FUNCTIONS EXPANDABLE

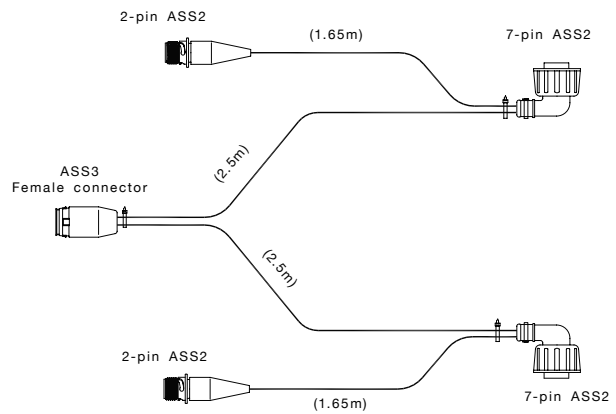
Free inputs on the housing cover serve as reserve inputs


PART NO.		DESCRIPTION	OUTLETS
76-5123-007	1/-	Connections: 1 x ASS3 15-pin female connector; 1 x ASS3 15-pin male connector	Not assigned
76-6430-007	1/-	Connections: 1 x ASS3 15-pin female connector on 1.50 m 15-pin cable; 2 x ASS2 7-pin female connector (YL/GN) on 1.30 m 7-pin cable	Rear light left + rear light right
76-5123-117	1/-	Connections: 1 x ASS3 15-pin female connector	SMCG left & right
76-6430-267	1/-	Connections: 1 x ASS3 15-pin female connector on 1.50 m 15-pin cable	SMCG left & right + Rear light left + rear light right



REAR SUPPLY HARNESS

Connector ASS3 15-pin female connector / 2x ASS2 7-pin female connector



PART NO.		DESCRIPTION	CABLE	
68-4800-007	1/-	No 2-pin outlet	2 x 2.50 m	2 x 7 x 1 mm ²
68-4983-007	1/-	Outlets: 2 x ASS2 2-pin male connector (YL/GN)	2 x 2.50 m + 2 x 1.70 m	2 x 7 x 1 mm ² + 2 x 2 x 1.50 mm ² (P&R)
68-4855-007	1/-	Outlets: 1 x P&R flat cable	2 x 3.00 m + 1 x 1.00 m	2 x 7 x 1 mm ² + 1 x 2 x 1.50 mm ² (P&R)
68-4888-007	1/-	Outlets: 2 x SMCG + ASS2 2-pin male connector (YL/GN)	2 x 2.50 m + 2 x 0.70 m	2 x 7 x 1 mm ² + 2 x 0.75 mm ²

ACCESSORIES

SMCG

ERD

REVERSING WARNING DEVICE

LCG - LED CONTROL GEAR

RDC PREMIUM

SMARTLINK

CONTOUR MARKINGS

EXPANSIONS

NUMBER PLATE LAMPS

BEACONS

INTERIOR LAMPS

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LAMPS

E LIGHT

POSITIONS LAMPS

OUTLINE MARKER LAMPS

REAR LAMPS

NUMBER PLATE LAMPS

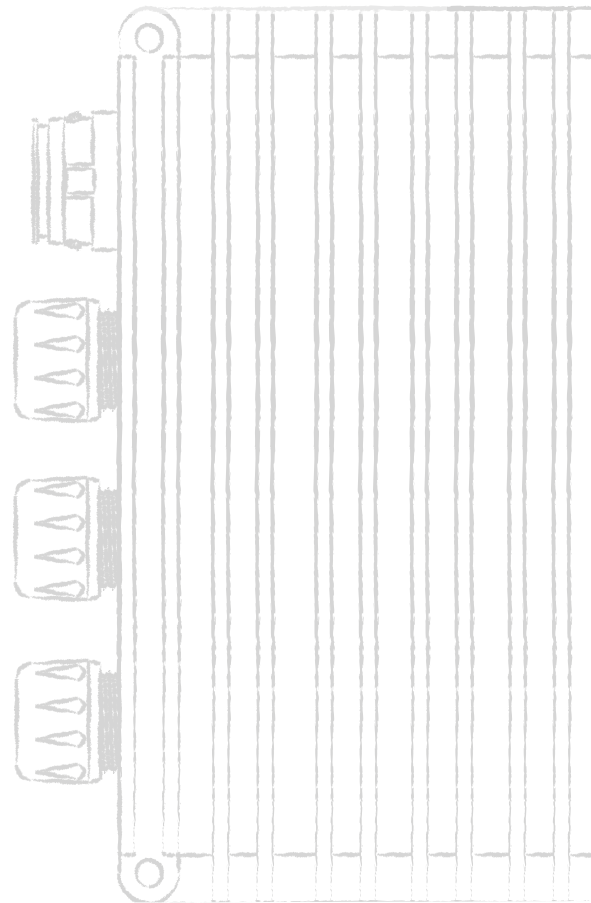
BEACONS

ERIOR LAMPS

LAMPS

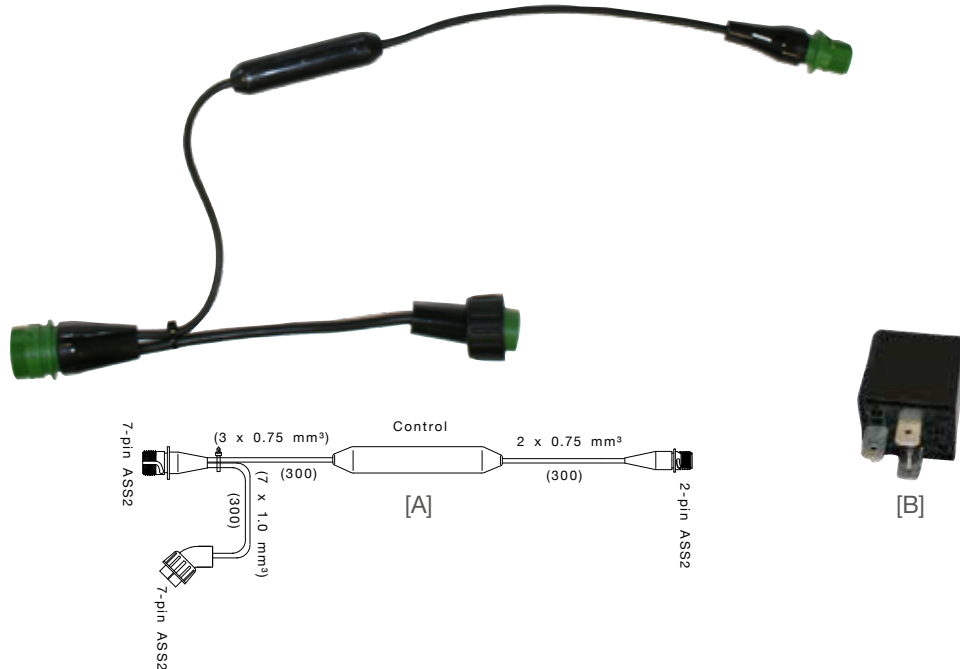
NUMBER PLATE HOLDERS

To ensure the greatest possible safety on the roads, your lighting and wiring solutions often need additional accessories.



SMCG - SIDE MARKER CONTROL GEAR

Control for side marker lamps



PRODUCT FEATURES

SOLUTION FOR REVISED LEGISLATION ECE 48 REV. 6

Side marker lamps must flash along with the indicator

A LOGICAL APPROACH

Avoids additional fitting of at least three category 5 flashing lights

UNCOMPLICATED MOUNTING

Simple installation or retrofitting on vehicle

PROTECTION AGAINST SHORT-CIRCUIT AND OVERTEMPERATURE

Due to integrated electronic circuit

The SMCG – **Side Marker Control Gear** – is the control for the flashing side marker lamp (SML). It was developed as a solution for the revised ECE 48 to Rev. 6 legislation. This regulation states that the side marker lamps on vehicles of class O3 and O4 must flash in coordination with the indicator of the truck. The focus is on significantly increasing safety for all road users when turning (see pictures on the right side).

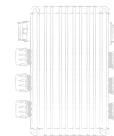
Aspöck Systems offers individual solutions for the control of the SML that avoid the installation of at least three additional category 5 lamps:

Solution 1 – SMCG cable version


This separate wiring with included circuitry provides a cost-effective connection of the rear lamp via the adapter to the side marker lamp.

Solution 2 – SMCG relay version

This electronic flasher circuit in a relay [B] is designed for installation in an Aspöck junction box or in an Aspöck rear lamp (Europoint III, Europoint II and Ecopoint II).

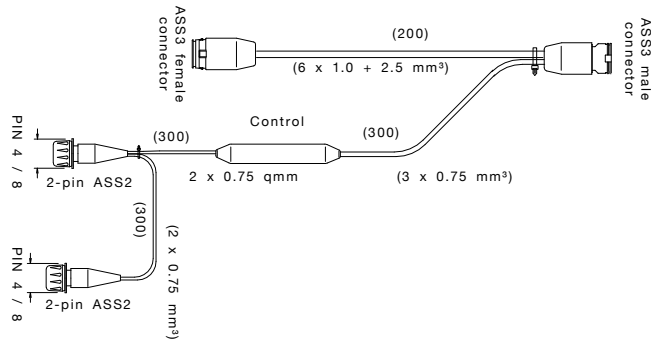


Flashing side marker lamps along the truck trailer are an important safety factor for other road users.

PART NO.		DESCRIPTION	VERSION
75-0331-007	1/-	SMCG right + left	[A]
75-0328-007	1/-	SMCG right	[A]
75-0329-007	1/-	SMCG left	[A]
68-4888-007	1/-	Supply harness with SMCG right + left	[A]
76-6430-267	1/-	Rear distributor with SMCG right + left	[A]
12-3970-557	1/-	SMCG relay	[B]

ERD - ELECTRONIC REVERSING DEVICE

The electronic control for reversing lights



PRODUCT FEATURES

FOR ADDITIONAL REVERSE LIGHTS ON VEHICLE

Required for additional lamps in line with ECE REG 48

HIGH LOAD CURRENT

Can handle up to max. 8 amps

UNCOMPLICATED MOUNTING

Simple installation or retrofitting on vehicle

SOLUTION FOR LEGAL PROVISION ECE R48 6.4.7

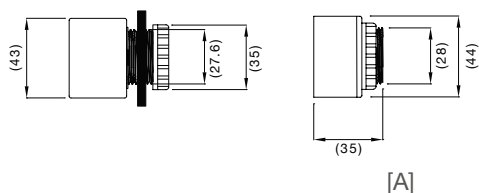
Logical switching of reversing light and rear light

PART NO.		DESCRIPTION
75-0341-007	1/-	ERD – reversing light control



REVERSING ALARMS

Higher safety when reversing



[A]




[B]

PRODUCT FEATURES

PULSATING SIGNAL TONE

Sound level 98 dB at 1 m

PART NO.		DESCRIPTION	VERSION
75-0000-007	1/-	1.20 m cable and 2-pin ASS1 connector, IP68	[A]
75-0100-007	1/-	3.50 m cable open end, IP68	[A]
75-0002-007	1/-	1.20 m cable open end, IP54	[A]
12-3922-004	1/-	Installation version for Europoint I & Europoint III	[B]
12-3922-014	1/-	Installation version for Europoint II	[B]

LCG - LED CONTROL GEAR

No LED yet? No problem!



[A]

[B]



PRODUCT FEATURES

LED CONTROL DEVICE

Monitoring of LED direction indicator function

SOLUTION FOR NON-LED-COMPATIBLE LAMPS

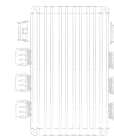
Current matching of LED lamps to those of non-LED-compatible trucks

UNCOMPLICATED MOUNTING

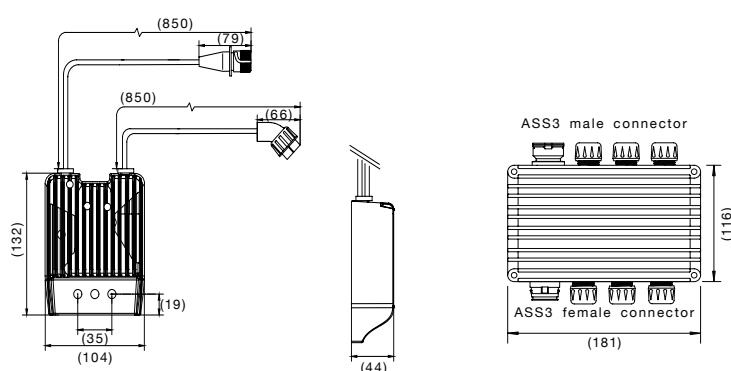
Quick and simple retrofitting in existing Aspöck light system/rear lamp

With regard to the minimal power consumption of LED lamps compared to incandescent lamps, problems with the light bulb malfunction control can occur during operation of older towing vehicles. The reason for this is that the low power consumption of LED lamps is often interpreted by towing vehicles as a failure of the lighting function.

This **ballast unit (LCG)** adapts the electrical properties of LED lamps to the needs of truck & trailers that are not yet LED-compatible. It also monitors the light function according to legal regulations (current adjustment and failure control as well as overcurrent shutdown).



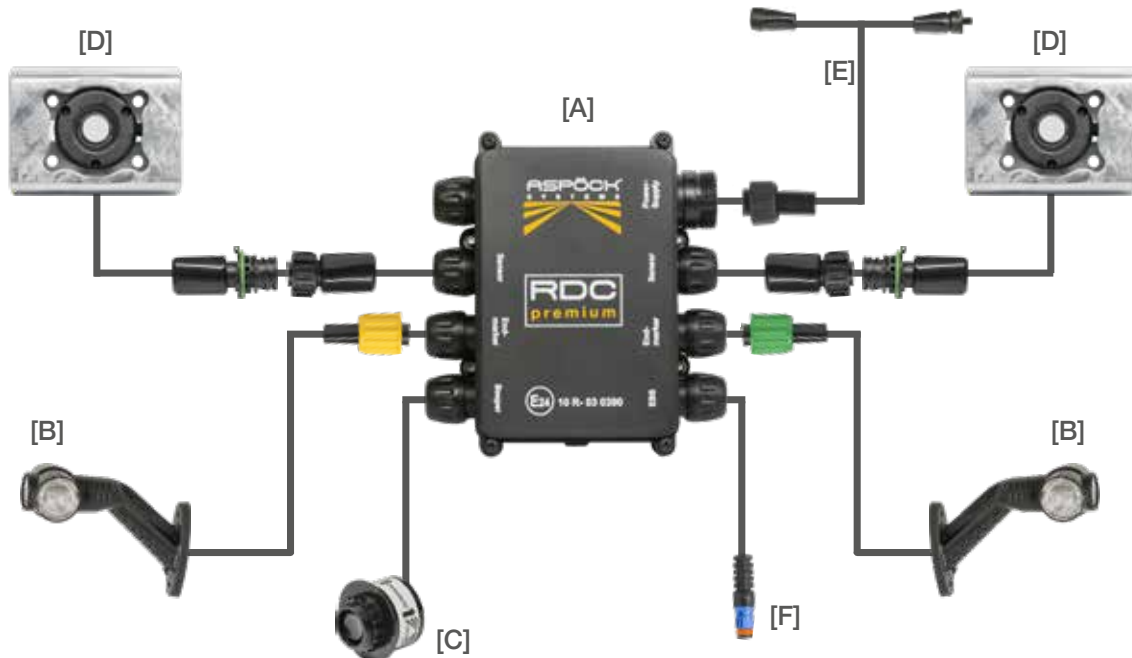
	LCG 1 - V2		LCG 2	
PART NO.	75-0300-107	75-0310-007	75-0309-007	
	24 V	24 V	24 V	
TRAILER DETECTION				
LED FAILURE MONITORING				
CURRENT ADJUSTMENT	 	 	 	
REQUIRED QUANTITY PER VEHICLE	2	1	1	
COMPATIBLE WITH	Aspöck rear lamps without integrated LCG	Aspöck rear lamps without integrated LCG	Aspöck rear lamps with integrated LCG for direction indicator	



PART NO.		DESCRIPTION	VERSION
75-0300-107	1/-	LCG 1 - V2 with 7-pin ASS2 connection for Aspöck rear lamp	[A]
75-0310-007	1/-	LCG 2 with blinker monitoring + 17-pin ASS3 connection	[B]
75-0309-007	1/-	LCG 2 without blinker monitoring + 17-pin ASS3 connection	[B]

RDC - RAMP DISTANCE CONTROL PREMIUM

Ramp approach aid using ultrasonic sensors



PRODUCT FEATURES

RAMP APPROACH AID FOR TRUCK TRAILERS AND SEMI-TRAILERS

Makes approaching ramps easier with acoustic and optical warning signals

EBS CONNECTION

Optional link to the braking system

HIGHER SAFETY

For the vehicle and the objects behind the vehicle

COST SAVINGS

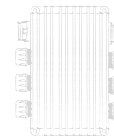
Avoids collisions that could result in damage


UNCOMPLICATED MOUNTING

Simple installation or retrofitting on vehicles with plug-and-play


Damage, along with enormous repair costs, often occurs when approaching ramps. Thanks to the **Aspöck RDC premium ramp approach aid**, the driver can approach the target in the background with both auditory and visual assistance when reversing.

The system activates automatically at a distance of less than three metres and a speed of less than 10 km/h, and outputs a warning by means of a beeping signal and flashing end-outline marker lamps. Finally, the trailer brakes automatically just before the ramp until it comes to a complete stop.



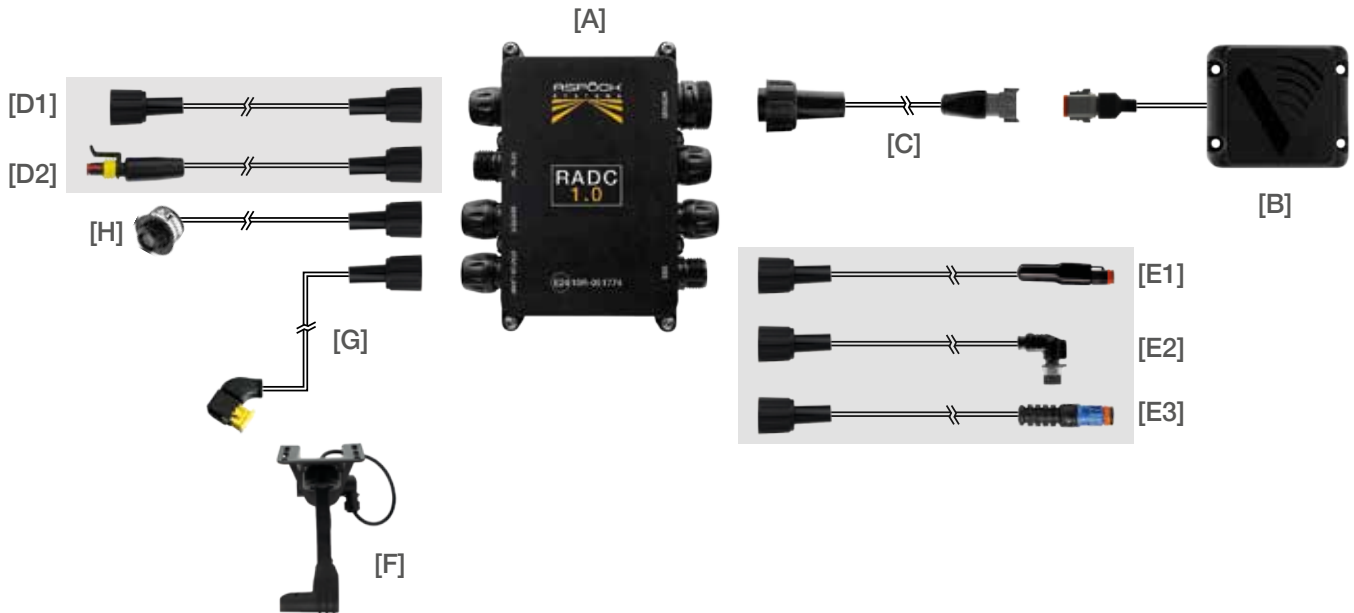
PART NO.		DESCRIPTION
99-3010-251	1/-	RDC Premium Haldex with metal buffer
99-3010-241	1/-	RDC Premium Haldex without metal buffer
99-3010-201	1/-	RDC Premium Knorr TEBS G2.1 Premium with metal buffer
99-3010-221	1/-	RDC Premium Knorr TEBS G2.1 Premium without metal buffer
99-3010-291	1/-	RDC Premium Knorr TEBS G2.2 Premium with metal buffer
99-3010-281	1/-	RDC Premium Knorr TEBS G2.2 Premium without metal buffer

RDC – INDIVIDUAL PARTS & ACCESSORIES

PART NO.		DESCRIPTION
76-6425-107	1/-	RDC distributor box Haldex [A]
76-6425-207	1/-	RDC distributor box Knorr [A]
31-3306-047	1/-	URL Superpoint III LED right, with 2.10 m cable [B]
31-3305-047	1/-	URL Superpoint III LED left, with 2.10 m cable [B]
75-0001-007	1/-	Reversing beeper [C]
75-0201-617	1/-	RDC sensor with metal buffer [D]
75-0204-117	1/-	RDC sensor without metal buffer
65-6003-017	1/-	Connection cable 3.00 m [E]
65-6003-007	1/-	Connection cable 8.00 m [E]
68-0049-017	1/-	EBS connection cable Haldex 7.00 m [F]
68-0111-007	1/-	EBS connection cable Knorr TEBS G2.1 P. 3.00 m [F]
69-0078-017	1/-	EBS connection cable Knorr TEBS G2.2 P. 3.00 m [F]

RADC 1.0 - RADAR DISTANCE CONTROL 1.0

Ramp approach aid using radar technology



PRODUCT FEATURES

RAMP APPROACH AID FOR TRUCK TRAILERS AND SEMI-TRAILERS

Facilitates ramp approach when reversing

INCREASED SAFETY

Large monitoring area up to 3 x 10 m behind the vehicle

UNCOMPLICATED MOUNTING

Simple installation or retrofitting on vehicle

NEW TECHNOLOGY

Only one sensor is required

CAN BE CONFIGURED

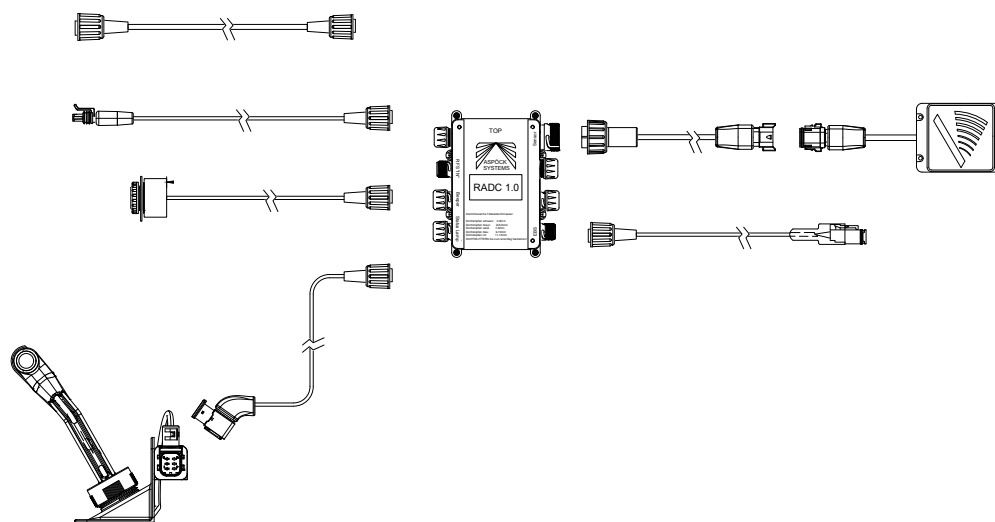
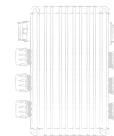
Freely adjustable detection zones


REGARDLESS OF THE WEATHER

Works despite fog, heavy rain or snowfall

COST SAVINGS

Thanks to the avoidance of collision damage



PART NO.		DESCRIPTION
76-5158-007	1/-	RADC 1.0 distributor box [A]
75-0213-047	1/-	RADC sensor W2.4m/L3.0m [B]
65-1512-007	1/-	RADC sensor connection cable 3.00 m [C]
68-0076-007	1/-	RADC connection cable ASS2 3.00 m [D1]
68-0070-007	1/-	RADC Superseal connection cable 6.00 m [D2]
69-0078-027	1/-	RADC Knorr EBS Connection 6.00 m DT [E1]
68-0002-337	1/-	RADC Knorr EBS Connection 6.00 m DT - 1 pin [E1]
78-7013-007	1/-	RADC Wabco/ZF EBS Connection 4.00 m [E2]
68-0049-017	1/-	RADC Haldex EBS Connection 7.00 m [E3]
39-9093-007	1/-	RADC status light [F]
69-6268-007	1/-	RADC status lights connection cable [G]
75-0001-007	1/-	Reversing beeper [H]

SMARTLINK

The easy way to expand multiple functions



PRODUCT FEATURES

SIMPLE MOUNTING

By means of mounting holes

VARIOUS DESIGN OPTIONS

Production of customised variants

COMPACT DESIGN

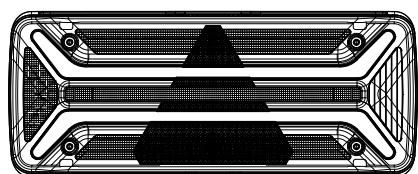
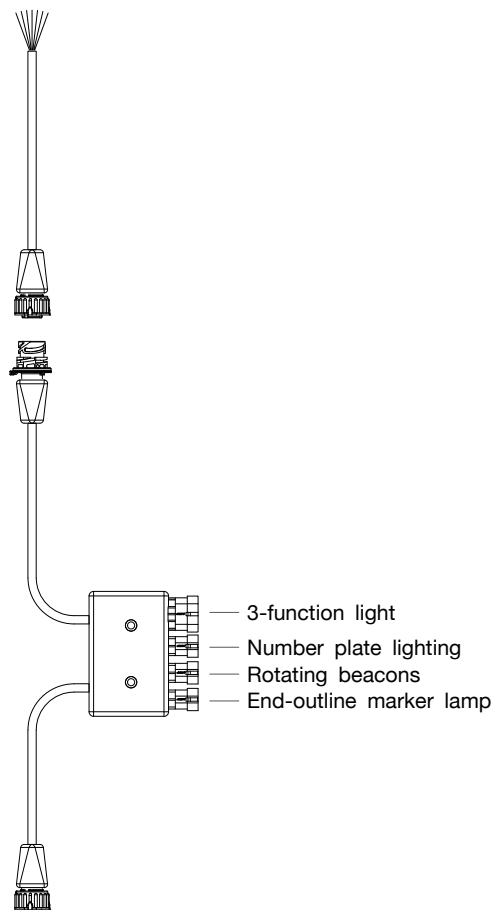
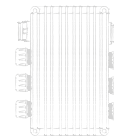
Distribution of functions in the smallest possible space

SIMPLE APPLICATION

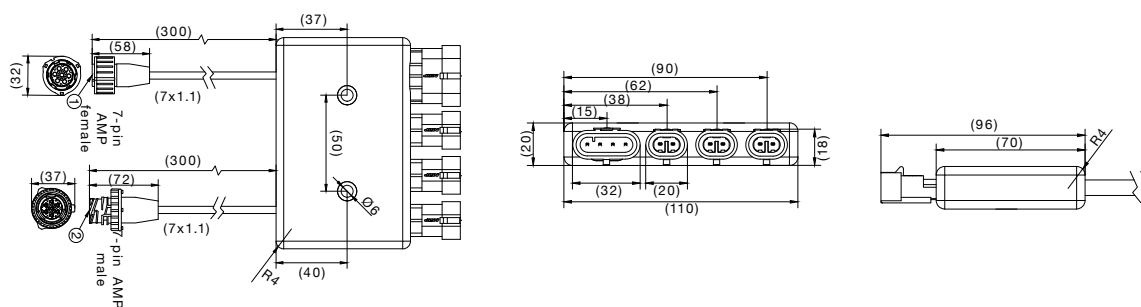
"Plug and Play" capable between lamps and rear supply cable

The **Smartlink** is a compact solution for distributing a wide range of functions between the supply line and various consumers, e.g. single- or multi-function lamps. That means it is possible to expand a rear lamp with additional lighting functions in just a few steps.

To do this, simply remove the plug from the rear light and attach the Smart Link adapter with its additional four slots. An additional tail light, stop light, reversing light or flashing light can now be connected and mounted.



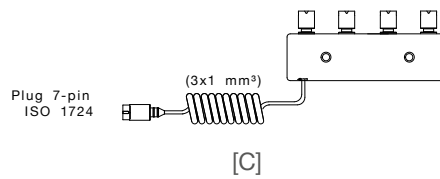
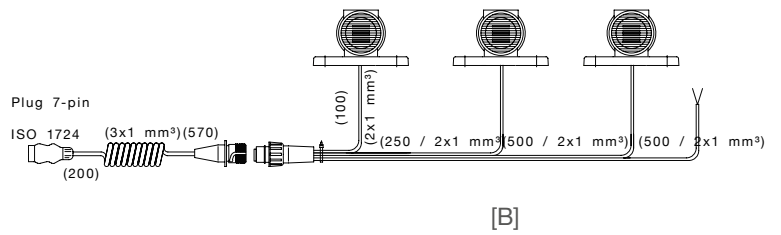
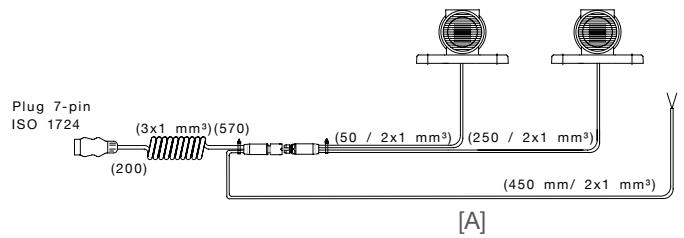
Application example




PART NO.	DESCRIPTION	OUTLETS
76-9035-027	Connectors: AMP 7-pin male connector; AMP 7-pin female connector	1 x 3-pin & 3 x 2-pin Superseal
76-9035-037	Connections: 1.50 m 7-pin cable open end; 0.50 m 7-pin cable open end	1 x 3-pin & 3 x 2-pin Superseal
76-9039-007	Connections: ASS2 7-pin male connector; ASS2 7-pin female connector	1 x 3-pin & 3 x 2-pin Superseal
76-9034-007	Connections: 4-pin DT male connector	3 x 2-pin DT male connector

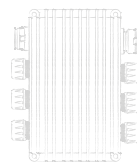
EXPANSIONS

For extra-wide vehicles



EXPANSIONS AND ACCESSORIES

PART NO.		DESCRIPTION	
58-1955-007	1/-	Expansion with 2 pieces Superpoint III LED, with additional outlet for rotating light	[A]
58-1957-007	1/-	Expansion with 3 pieces Superpoint III LED, with additional outlet for rotating light	[B]
76-9023-007	1/-	3-pin connector with coiled cable	[C]
31-3307-087	1/-	Superpoint III LED 3-pin ASS3 connection suitable for 76-9023-007	[D]



CONTOUR MARKINGS

The easy way to improve vehicle visibility



PRODUCT FEATURES

SPECIAL ADHESIVE LAYER

Fast and easy to adhere without loss of material

REFLECTIVE PROPERTIES

Approved according to EU regulations for reflective materials on trucks and trailers

SPECIAL MATERIAL COMPOSITION

This makes the product thin, flexible and very tear-resistant

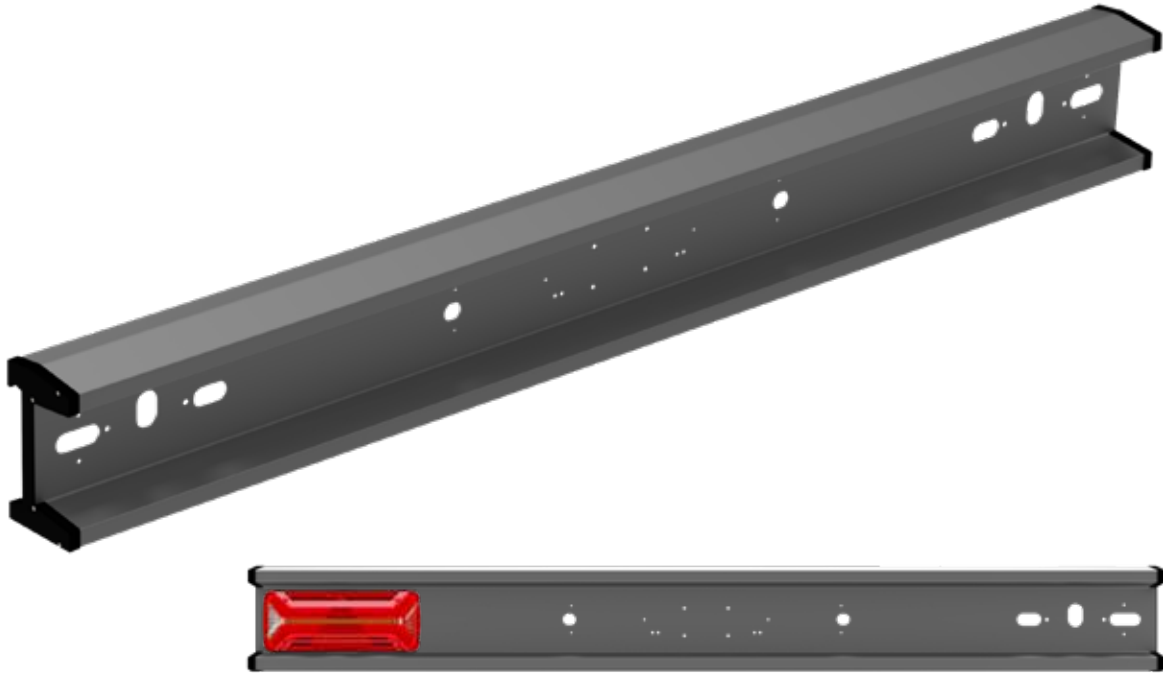
ACRYLIC STRUCTURE

The acrylic top layer provides excellent stability

PART NO.		DESCRIPTION
15-5990-007		50.80 mm x 50 m white
15-5990-107		50.80 mm x 50 m yellow
15-5990-207		50.80 mm x 50 m red
15-5990-407		For curtain sider 50.80 mm x 50 m white
15-5990-507		For curtain sider 50.80 mm x 50 m yellow
15-5990-607		For curtain sider 50.80 mm x 50 m red

UNDERRUN PROTECTION

Underrun protection according to UNECE regulation no. 58 Rev. 03



PRODUCT FEATURES

INCREASED SAFETY

Protects smaller vehicles from driving under in the event of collisions

IMPROVED GEOMETRY

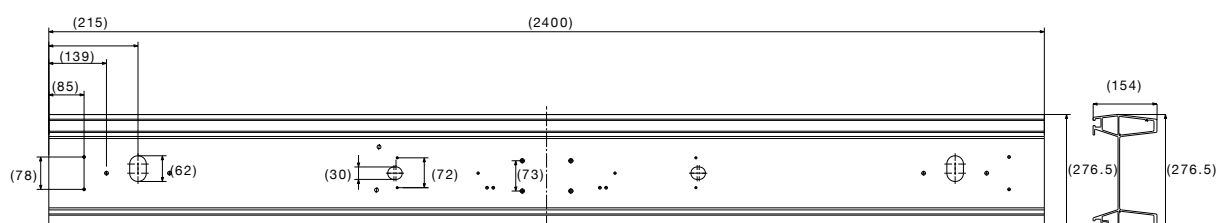
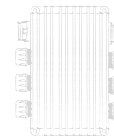
Can handle up to 180 kN

OPTIONAL NEW HOLE PATTERN VERSIONS


For combination rear lamps with distribution function

LOWER COSTS

Due to pre-mounted wiring

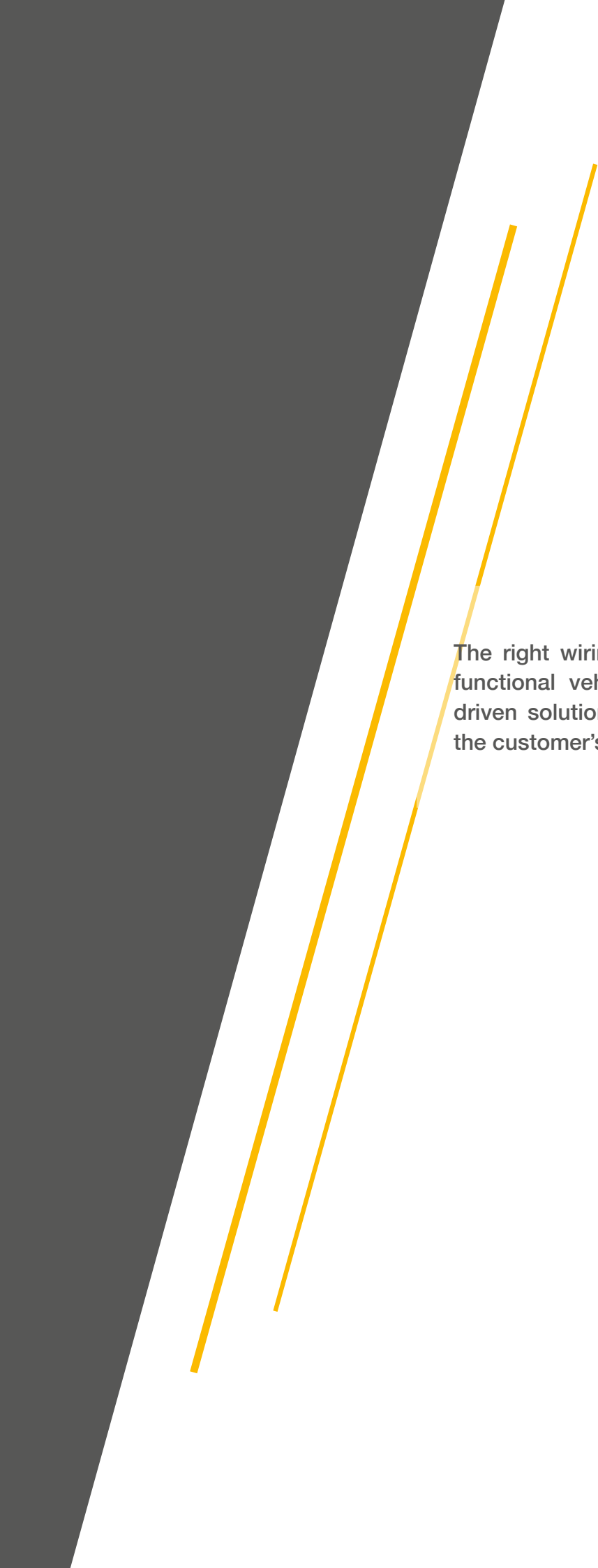


UNDERRUN PROTECTION

PART NO.		DESCRIPTION
97-1103-011	25	Underrun protection according to ECE58 R03, anodised aluminium, for 3-chamber lamp, 2,400 mm
97-1104-011	25	Underrun protection according to ECE58 R03, anodised aluminium, for 5-chamber lamp, 2,400 mm
97-1105-011	25	Underrun protection according to ECE58 R03, anodised aluminium, undrilled, 2,400 mm
97-1106-011	25	Underrun protection according to ECE58 R03, anodised aluminium, standard, 2,400 mm
97-1107-011	25	Underrun protection according to ECE58 R03, aluminium white, undrilled, 2,400 mm

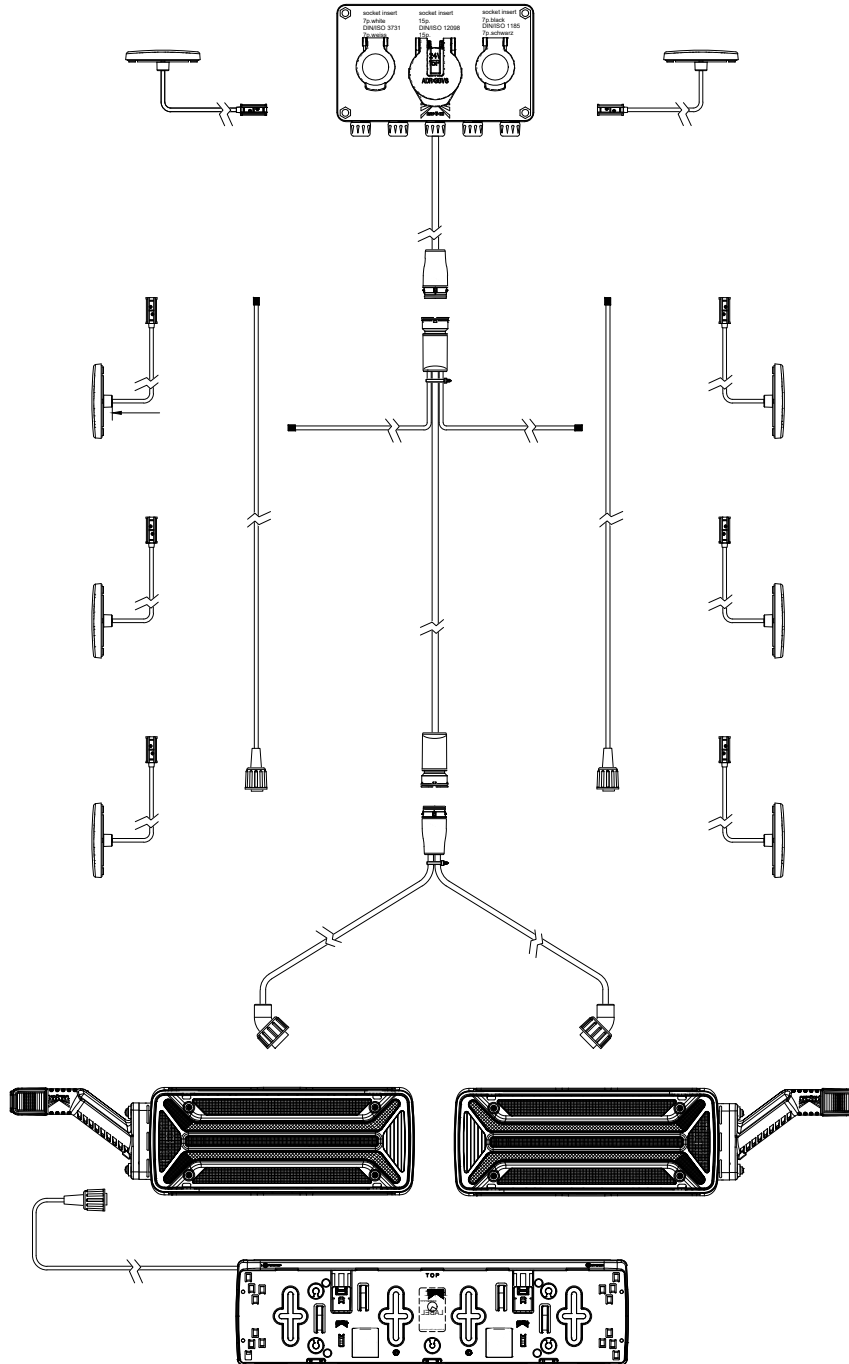
WIRING SOLUTIONS

NUMBER PLATE LAMPS
BEACONS
INTERIOR LAMPS
WORK LAMPS
NUMBER PLATE HOLDERS
SIDE MARKER LAMPS
REVERSING LAMPS
E LIGHT
POSITIONS LAMPS
OUTLINE MARKER LAMPS
REAR LAMPS
NUMBER PLATE LAMPS
BEACONS
ERIOR LAMPS
LAMPS
NUMBER PLATE HOLDERS



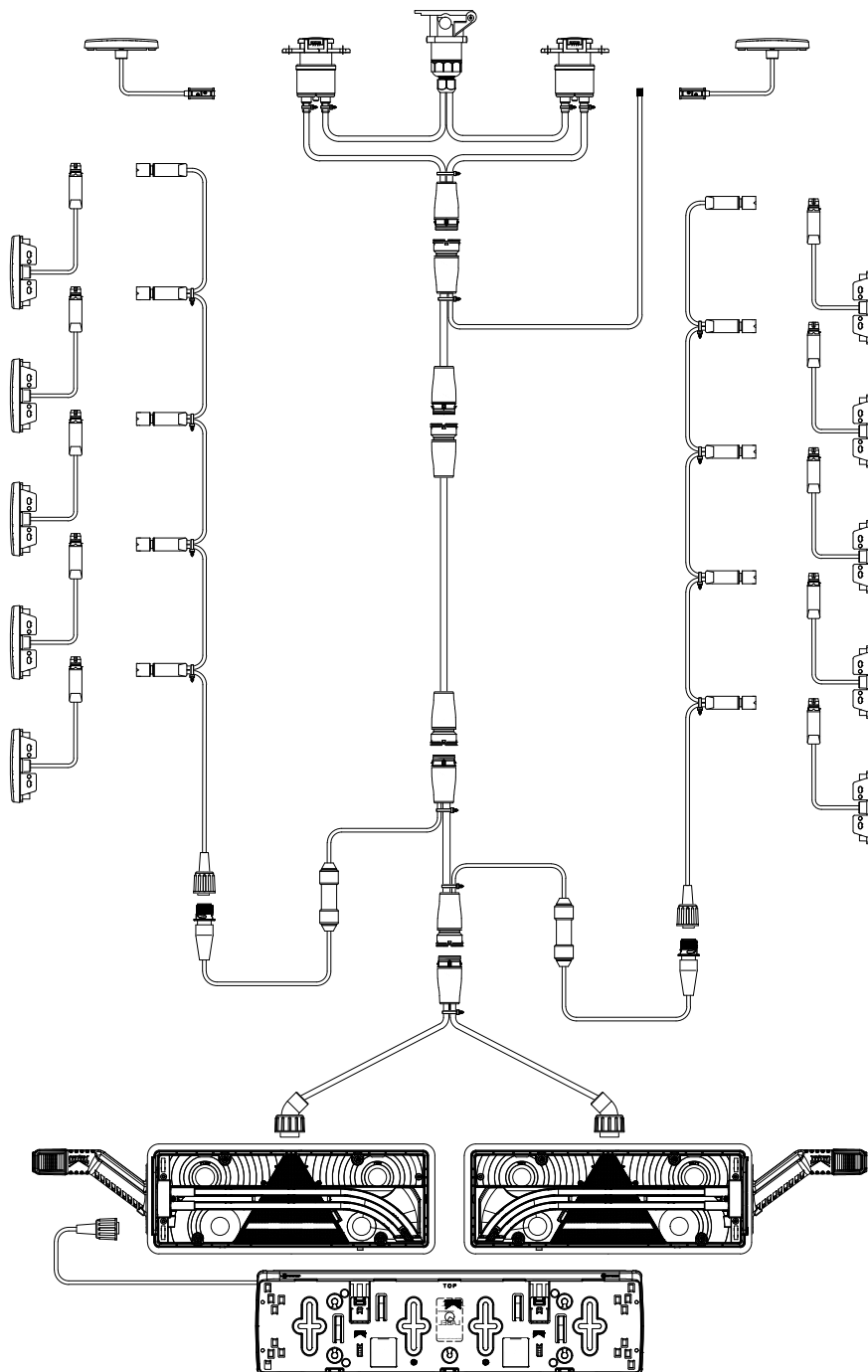
The right wiring is the be-all and end-all for a fully functional vehicle. Aspöck Systems offers market-driven solutions that can be individually adapted to the customer's requirements.

STANDARD WIRING WITH SMCG



NOTES

STANDARD WIRING WITH FLASHING SIDE MARKER LAMPS



NOTES

MOUNTING REGULATIONS

REAR LIGHTING

SIDE LIGHTING

FRONT LIGHTING

NUMBER PLATE LIGHTS

ROTATING BEACONS

PLUG-IN DIAGRAM

WORK LAMPS

NUMBER PLATE HOLDERS

SIDE MARKER LAMPS

REVERSING LIGHTS

E LIGHT

NAVIGATION LIGHTS

OUTLINE MARKER LAMPS

REAR LAMPS


NUMBER PLATE LIGHTS

ROTATING BEACONS

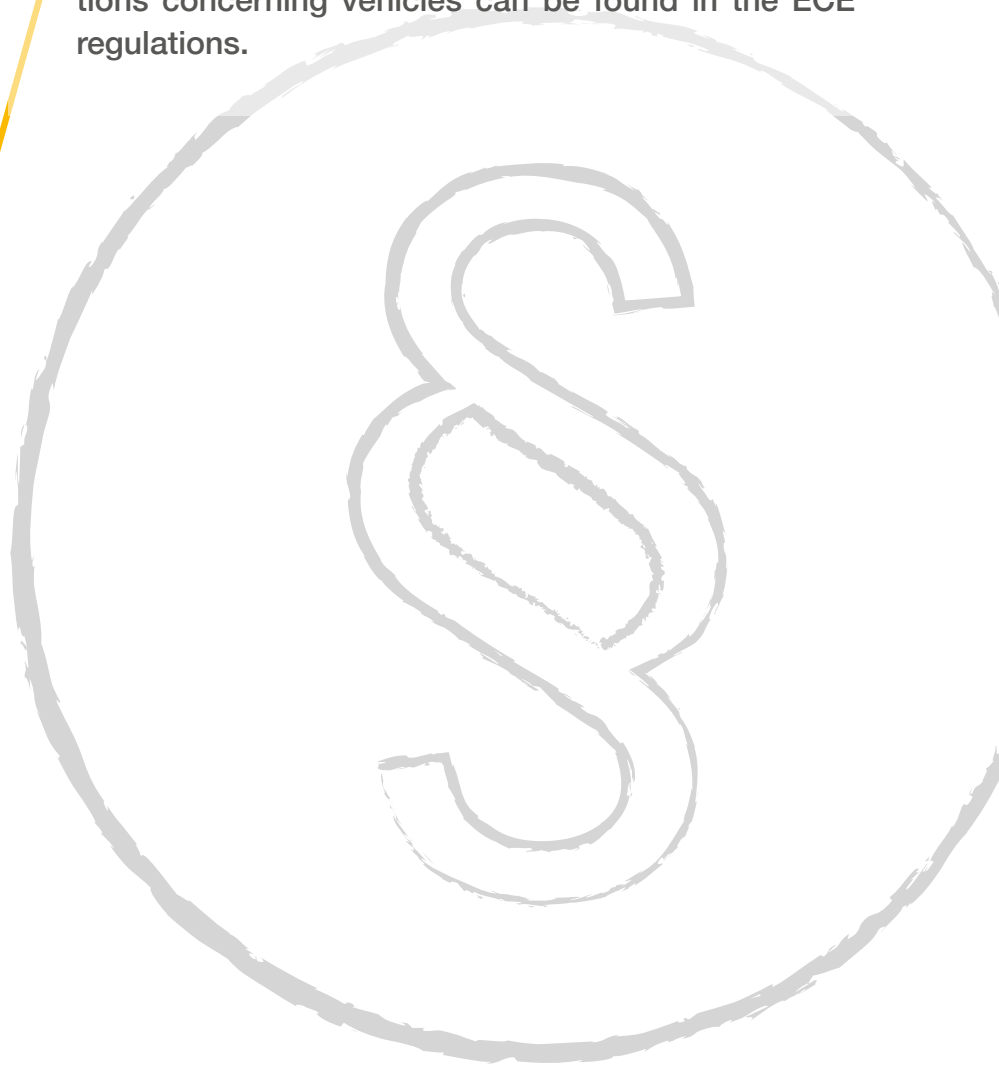
FRONT LIGHTS

LAMPS

NUMBER PLATE HOLDERS



Based on the adopted regulations, the law requires compliance with different provisions for the installation of vehicle lights. These and other regulations concerning vehicles can be found in the ECE regulations.



MOUNTING REQUIREMENTS

For trailers according to ECE regulation R48

Aspöck Systems has summarised and presented the most important legal mounting regulations for the optimum fitting or retrofitting of a trailer with rear, front and side lighting. Due to the changing legal regulations at irregular intervals, Aspöck does not assume any warranty for possible deviations.

Vehicle classes:

O1 trailer up to 0.75 t | O2 trailer over 0.75 t up to 3.5 t | O3 trailer over 3.5 t up to 10 t | O4 trailer over 10 t

REAR LIGHTING - TRAILER

REAR POSITION LAMP ECE-R48 § 6.10 AND ECE-R7	
Attachment ECE-R48 § 6.10.1	Mandatory for all trailers. Category R, R1 or R2.
Quantity ECE-R48 § 6.13.2	2 pieces, 2 additional possible on O2, O3 and O4 vehicles if no end-outline marker lamps are mounted.
Colour ECE-R48 § 5.15	Red
Mounting width ECE-R48 § 6.10.4.1	Max. 400 mm from the outermost point of the vehicle width. This does not apply to the additional vehicle position lamps. Min. 600 mm between both tail lights, but min. 400 mm for vehicle widths < 1,300 mm.
Mounting height ECE-R48 § 6.10.4.2	Min. 350 mm, max. 1,500 mm (exception: 2,100 mm only if the vehicle geometry does not allow mounting below 1,500 mm and if no 2 additional vehicle position lamps are fitted). Mounting height of the additional vehicle position lamps: Min. 600 mm above the mandatory vehicle position lamps.
Geom. viewing angle ECE-R48 § 6.10.5	Horizontal 45° inside to 80° outside. Vertical ±15°, but with mounting height < 750 mm also 5° downwards. Optionally with an attachment height of 2,100 m also 5° upwards
Electrical circuit ECE-R48 § 6.10.7	Must be designed so that the front position, tail, side marker lamps and number plate lights can only be switched on and off simultaneously.
Switch-on control ECE-R48 § 6.10.8	Mandatory. It must be combined with the control device for the front position lamps.
Other regulations ECE-R48 § 6.10.9	Unless end-outline marker lamps are fitted, 2 additional front position and vehicle position lamp may be fitted to all trailers of categories O2, O3, O4.
ECE-R7 § 6.1 Category R, R1 (constant) = light intensity min. 4 cd, single lamp max. 17 cd, type "D" lamp max. 8.5 cd Category R2 (variable) = light intensity min. 4 cd, single lamp max. 42 cd, type "D" lamp max. 21 cd	

**STOP LAMP ECE-R48 § 6.7 AND ECE-R7**

Attachment ECE-R48 § 6.7.1	Mandatory for all trailers. Category S1 or S2.
Quantity ECE-R48 § 6.7.2	2 pieces. Except if stop lamps in category S3 or S4 are installed, two additional stop lamps in category S1 or S2 can be installed to vehicle classes O2, O3 and O4.
Colour ECE-R48 § 5.15	Red
Mounting width ECE-R48 § 6.7.4.1	For all trailers min. 600 mm between both stop lamps, but min. 400 mm for vehicle widths < 1,300 mm.
Mounting height ECE-R48 § 6.7.4.2	Min. 350 mm, max. 1,500 mm (exception: 2,100 mm, only if the vehicle geometry does not allow for an installation of less than 1,500 mm and 2 additional stop lamps are not installed). Position in height of the additional stop lamps: min. 600 mm above the mandatory stop lamps.
Geom. viewing angle ECE-R48 § 6.7.5	Horizontal $\pm 45^\circ$. Vertical $\pm 15^\circ$, but for a position in height of < 750 mm also 5° downwards. Optionally with a position in height of 2,100 mm also 5° upwards.
Electrical circuit ECE-R48 § 6.7.7	Must shine when the brake is pressed.
Switch-on control ECE-R48 § 6.7.8	Optional, however, a tell-tale indicating failure is mandatory if required by the component regulation. If there is one, only as an operating tell-tale in the shape of a non-flashing warning lamp that lights up in the event of a fault.
Other regulations ECE-R48 § 6.7.9	The distance between the stop lamp and each rear fog lamp must be ≥ 100 mm.
ECE-R7 § 6.1 Category S1 (constant) = light intensity min. 60 cd, single lamp max. 260 cd, type "D" lamp max. 130 cd Category S2 (variable) = light intensity min. 60 cd, single lamp max. 730 cd, type "D" lamp max. 365 cd	

REAR DIRECTIONAL INDICATOR ECE-R48 § 6.5 AND ECE-R6

Attachment ECE-R48 § 6.5.1	Mandatory for all trailers. Category 2a or 2b.
Quantity ECE-R48 § 6.5.2	2 pieces, additionally 2 optional ones at O2-, O3- and O4 vehicles
Colour ECE-R48 § 5.15	Yellow
Mounting width ECE-R48 § 6.5.4.1	Max. 400 mm from the outermost point of the vehicle width. This does not apply to the additional blinkers. Min. 600 mm between both blinkers, but min. 400 mm for vehicle widths < 1,300 mm.
Mounting height ECE-R48 § 6.5.4.2	Min. 350 mm, max. 1,500 mm (exception: 2,100 mm only if the vehicle geometry does not allow mounting below 1,500 mm and if no 2 additional vehicle position lamps are fitted). Mounting height of the additional blinkers: Min. 600 mm above the mandatory blinkers.
Geom. viewing angle ECE-R48 § 6.5.5	Horizontal 45° inside to 80° outside. Vertical $\pm 15^\circ$, but with mounting height < 750 mm also 5° downwards. Optionally with an attachment height of 2,100 m also 5° upwards.
Electrical circuit ECE-R48 § 6.5.7	The illumination must be independent of other lamps. They must be illuminated and extinguished on the same side of the vehicle by the same controls. They must flash synchronously.
Switch-on control ECE-R48 § 6.13.8	Mandatory. The function control is mandatory for the front and rear directional indicators. Vehicles equipped to tow a trailer must be equipped with a special function control for the directional indicators of the trailer, unless any malfunction of one of the directional indicators of the vehicle chain can be read off the control device of the towing vehicle. A functional check is not required for the two additional directional indicators on trailers.
ECE-R6 (6.1) Category 2a (constant) = light intensity min. 50 cd, single lamp max. 500 cd, type "D" lamp max. 250 cd Category 2b (variable) = light intensity min. 50 cd, single lamp max. 1,000 cd, type "D" lamp max. 500 cd	

REAR LIGHTING - TRAILER

REVERSING LIGHT ECE-R48 § 6.4 AND ECE-R23	
Attachment ECE-R48 § 6.4.1	Mandatory for all trailers of vehicle classes O2, O3 and O4. Permitted for trailers of vehicle category O1.
Quantity ECE-R48 § 6.4.2	1 piece mandatory, a 2nd piece permissible for trailers < 6 m. 2 pieces prescribed for trailers > 6 m and 2 additional permissible*
Colour ECE-R48 § 5.15	White
Mounting width ECE-R48 § 6.4.4.1	No regulation
Mounting height ECE-R48 § 6.4.5	Min. 250 mm, max. 1,200 mm.
Geom. viewing angle ECE-R48 § 6.4.5	1 lamp: Horizontal $\pm 45^\circ$. 2 lamps: Horizontal 30° inwards to 45° outwards. Vertical 15° upwards, to 5° downwards.
Electrical circuit ECE-R48 § 6.4.7	Only switched on when reverse gear is engaged and the vehicle is ready to drive. For the optional reversing lights, special conditions apply in § 6.4.7.2.
Switch-on control ECE-R48 § 6.4.8	Permissible

* Mounting of the two optional reversing lights also permitted on the side of the vehicle.

REAR FOG LAMP ECE-R48 § 6.11 AND ECE-R38	
Attachment ECE-R48 § 6.11.1	Mandatory for all trailers. Category F, F1 or F2.
Quantity ECE-R48 § 6.13.2	1 or 2 pieces
Colour ECE-R48 § 5.15	Red
Mounting width ECE-R48 § 6.11.4.1	No regulation
Mounting height ECE-R48 § 6.11.4.2	Min. 250 mm, max. 1,000 mm or if built together with other function max. 1,200 mm.
General mounting information ECE-R48 § 6.11.4.1	With 1 rear fog lamp: Left of centre = right-hand traffic, right of centre = left-hand traffic. Mounting in the centre is permissible.
Geom. viewing angle ECE-R48 § 6.11.5	Horizontal $\pm 25^\circ$. Vertical $\pm 5^\circ$.
Electrical circuit ECE-R48 § 6.11.7	Switch-on only when low beam, high beam or fog lights are switched on.
Switch-on control ECE-R48 § 6.11.8	Mandatory. An independent, non-flashing indicator light.
Other regulations ECE-R48 § 6.11.9	The distance to the stop light must be > 100 mm. The rear fog lamp of the towing vehicle can switch off automatically if a trailer is coupled and its rear fog lamp is switched on as a result.

ECE-R38 § 6.1
Category F, F1 (constant) = light intensity min. 150 cd, max. 300 cd Category F2 (variable) = light intensity min. 150 cd, max. 840 cd

**NUMBER PLATE LIGHT ECE-R48 § 6.8 AND ECE-R4**

Attachment ECE-R48 § 6.15.1	Mandatory for all trailers.
Quantity ECE-R48 § 6.8.2	1 or more
Colour ECE-R48 § 5.15	White
Mount of the number plate ECE-R48 § 6.8.3	so that the numbers are illuminated.
Electrical circuit ECE-R48 § 6.8.7	Must be designed so that the front position, number plate, tail and side marker lamps can only be switched on and off simultaneously.
Switch-on control ECE-R48 § 6.8.8	Permitted. If a control device is used, its function must be fulfilled by the control device prescribed for the front position and vehicle position lamps.

REAR RETRO-REFLECTOR ECE-R48 § 6.15 AND ECE-R3

Attachment ECE-R48 § 6.15.1	Mandatory for all trailers.
Quantity ECE-R48 § 6.15.2	Min. 2 pieces
Colour ECE-R48 § 5.15	Red
Shape ECE-R48 § 6.15	Triangle
Mounting scheme ECE-R48 § 6.15.3	The tip of the triangle must point upwards.
Mounting width ECE-R48 § 6.15.4.1	Max. 400 mm from the outermost point of the vehicle width. Min. 600 mm between both retro-reflectors, but min. 400 mm for vehicle widths < 1,300 mm.
Mounting height ECE-R48 § 6.15.4.2	Min. 250 mm, max. 900 mm, max. 1,200 mm if integrated in other lamps (exception: 1,500 mm)*.
Geom. viewing angle ECE-R48 § 6.15.5	Horizontal $\pm 30^\circ$. Vertical $\pm 15^\circ$, but with mounting height < 750 mm 5° downwards.
Other regulations ECE-R48 § 6.15.9	The illuminating surface of the retro-reflector may be integrated in any other rear light.

* An exception is only possible if the vehicle geometry does not allow for normal mounting.

REAR END-OUTLINE MARKER LAMP ECE-R48 § 6.13 AND ECE-R7

Attachment ECE-R48 § 6.13.1	Mandatory for trailers > 2.1 m wide. Permitted for trailers > 1.8 m to \leq 2.1 m wide. Category R, R1, R2, RM1 or RM2.
Quantity ECE-R48 § 6.13.2	2 pieces, optionally 2 additional end-outline marker lamp possible
Colour ECE-R48 § 5.15	Red
Mounting width ECE-R48 § 6.13.4.1	As far out as possible, max. 400 mm from the outermost point of the vehicle width.
Mounting height ECE-R48 § 6.13.4.2	As high as possible. Optional and prescribed with the greatest possible distance.
Geom. viewing angle ECE-R48 § 6.13.5	Horizontal 80° outwards. Vertical 5° above and 20° below the horizontal.
Electrical circuit ECE-R48 § 6.13.7	Must be designed so that the front position, tail, side marker lamps and number plate lights can only be switched on and off simultaneously.
Switch-on control ECE-R48 § 6.13.8	Permitted. If a control device is used, its function must be fulfilled by the control device prescribed for the front position and vehicle position lamps.
Other regulations ECE-R48 § 6.13.9	The rear red and the front white end-outline marker lights may be combined in one lamp, provided that the installation regulations and viewing angle ranges are complied with. Distance between end-outline marker lamp and vehicle position lamp min. 200 mm.

ECE-R7 § 6.1

Category R, R1, RM1 (constant) = light intensity min. 4 cd, single lamp max. 17 cd, type "D" lamp max. 8.5 cd
Category R2, RM2 (variable) = light intensity min. 4 cd, single lamp max. 42 cd, type "D" lamp max. 21 cd

SIDE LIGHTING - TRAILER

SIDE RETRO-REFLECTOR ECE-R48 § 6.17 AND ECE-R3	
Attachment ECE-R48 § 6.17.1	Mandatory for all trailers.
Quantity ECE-R48 § 6.17.2	See length attachment
Colour ECE-R48 § 5.15	Yellow
Shape ECE-R48 § 6.17	Not triangular
Mounting height ECE-R48 § 6.17.4.2	Min. 250 mm, max. 900 mm, max. 1,200 mm if integrated in other lamps (exception: 1,500 mm).
Length attachment ECE-R48 § 6.17.4.3	The reflector furthest forward must not be more than 3 m from the foremost point of the vehicle. Max. 3 m between the individual retro-reflectors (exception: 4 m). Max. distance from rear 1 m. Min. 1 retro-reflectors in the middle third.
Geom. viewing angle ECE-R48 § 6.17.5	Horizontal $\pm 45^\circ$. Vertical $\pm 10^\circ$, but with mounting height < 750 mm 5° downwards.
Other regulations ECE-R48 § 6.17.9	The illuminating surface of the retro-reflector may be integrated in any other side lamp.

SIDE MARKER LAMP (SM1) ECE-R48 § 6.18 AND ECE-R91	
Attachment ECE-R48 § 6.18.1	Mandatory for trailers > 6 m length. Permitted for trailers < 6 m length.
Quantity ECE-R48 § 6.18.2	See length attachment
Colour ECE-R48 § 5.15	Front yellow, rear yellow (in combination with the rear lamp red also possible).
Mounting height ECE-R48 § 6.18.4.2	No regulation
Mounting height ECE-R48 § 6.11.4.2	Min. 250 mm, max. 1,500 mm (exception: 2,100 mm)*.
Length attachment ECE-R48 § 6.18.4.3	Front side marker lamp max. 3 m from the front, rearmost side marker lamp max. 1 m from the rear, max. 3 m between the individual side marker lights (exception: 4 m). Min. 1 in the front and / or rear third. For vehicle lengths ≤ 6 m, alternatively min. 1 in the middle third.
Geom. viewing angle ECE-R48 § 6.18.5	Horizontal $\pm 45^\circ$, $\pm 30^\circ$ for optional side marker lamps. Vertical $\pm 10^\circ$, but with mounting height < 750 mm 5° downwards.
Electrical circuit ECE-R48 § 6.18.8	No regulation
Switch-on control ECE-R48 § 6.18.8	Mandatory. If used, its function must be fulfilled by the control device prescribed for the front position and vehicle position lamps.
Other regulations ECE-R48 § 6.18.9	The illuminating surface of the retro-reflector may be integrated in the side marker lamp. The maximum mounting height of the retro-reflector must be observed. The rear side marker lamp must be yellow if it flashes together with the rear directional indicator.

* An exception is only possible if the vehicle geometry does not allow for normal mounting.

ECE-R91 (7.1)
Category SM1 (use on all vehicle classes) = light intensity min. 4 cd, max. 25 cd

FRONT LIGHTING - TRAILER

FRONT RETRO-REFLECTOR ECE-R48 § 6.16 AND ECE-R3	
Attachment ECE-R48 § 6.16.1	Mandatory for all trailers.
Quantity ECE-R48 § 6.16.2	Min. 2 pieces, optionally 2 additional
Colour ECE-R48 § 5.15	White / Colourless
Shape ECE-R48 § 6.16	Not triangular
Mounting width ECE-R48 § 6.16.4.1	Max. 150 mm, min. 600 mm between both retro-reflectors, but min. 400 mm for vehicle widths < 1,300 mm.
Mounting height ECE-R48 § 6.16.4.2	Min. 250 mm, max. 900 mm, (exception: 1,500 mm).
Geom. viewing angle ECE-R48 § 6.16.5	Horizontal 10° inwards and 30° outwards. Additional retro-reflectors can help with the horizontal values. Vertical ±10°, but at mounting height < 750 mm 5° downwards.
Other regulations ECE-R48 § 6.16.9	The illuminating surface of the retro-reflector may be integrated in any other front light.

FRONT POSITION LAMP ECE-R48 § 6.9 AND ECE-R7	
Attachment ECE-R48 § 6.9.1	Mandatory for trailers > 1.6 m wide. Permitted for trailers ≤ 1.6 m wide.
Quantity ECE-R48 § 6.9.2	2 pieces
Colour ECE-R48 § 5.15	White
Shape ECE-R48 § 6.16	Not triangular
Mounting width ECE-R48 § 6.9.4.1	Max. 150 mm from the outermost point of the vehicle width. Min. 600 mm between both front position lamps, but min. 400 mm for vehicle widths < 1,300 mm.
Mounting height ECE-R48 § 6.9.4.2	Min. 250 mm, max. 1,500 mm (exception: 2,100 mm only for trailers from categories O1 and O2 or if max. 1,500 mm is not possible for other trailers).
Geom. viewing angle ECE-R48 § 6.9.5	Horizontal 5° inwards and 80° outwards. Vertical ±15°, but with mounting height < 750 mm also 5° downwards.
Other regulations ECE-R48 § 6.16.9	The illuminating surface of the retro-reflector may be integrated in any other front light.
Electrical circuit ECE-R48 § 6.9.7	Must be designed so that the front position, tail, side marker lamps and number plate lights can only be switched on and off simultaneously. May be switched off during flashing.
Switch-on control ECE-R48 § 6.9.8	Mandatory. The indicator light must not flash. Not required if the instrument panel lighting system can only be switched on simultaneously with the front position lamps.

FRONT END-OUTLINE MARKER LAMP ECE-R48 § 6.13 AND ECE-R7	
Attachment ECE-R48 § 6.13.1	Mandatory for trailers > 2.1 m wide. Permitted for trailers > 1.8 m wide to ≤ 2.1 m wide. Category A or AM
Quantity ECE-R48 § 6.13.2	2 pieces, optionally 2 additional permitted
Colour ECE-R48 § 5.15	White
Mounting width ECE-R48 § 6.13.4.1	Max. 400 mm from the outermost point of the vehicle width.
Mounting height ECE-R48 § 6.13.4.2	As high as possible.
Geom. viewing angle ECE-R48 § 6.13.5	Horizontal 80° outwards, vertical 5° above and 20° below the horizontal.
Electrical circuit ECE-R48 § 6.13.7	Must be designed so that the front position, tail, side marker lamps and number plate lights can only be switched on and off simultaneously.
Switch-on control ECE-R48 § 6.13.8	Permitted. If a control device is used, its function must be fulfilled by the control device prescribed for the front position and vehicle position lamps.
Other regulations ECE-R48 § 6.13.9	The front white and the red end-outline marker light may be combined in one lamp, provided that the installation regulations and viewing angle ranges are complied with. Distance between end-outline marker lamp and front position lamp min. 200 mm.
ECE-R7 § 6.1.1 Category A, AM = light intensity min. 4 cd, single lamp max. 140 cd, type "D" lamp max. 70 cd	

APPENDIX

PLUG-IN DIAGRAM
PICTOGRAM OVERVIEW

NUMBER PLATE LIGHTS
ROTATING BEACONS
PLUG-IN DIAGRAM
WORK LAMPS
NUMBER PLATE HOLDERS
SIDE MARKER LAMPS
REVERSING LIGHTS
E LIGHT
NAVIGATION LIGHTS
OUTLINE MARKER LAMPS
REAR LAMPS
NUMBER PLATE LIGHTS
G BEACONS
ERIOR LIGHTS
LAMPS
NUMBER PLATE HOLDERS

Always good to know! Which connections does which lamp have?
What is the meaning of the pictograms used? This information can
be found on the following pages.



PLUG-IN DIAGRAM

Standard plug-in diagram for contact assignment

Contact assignment	Colour (Deviation possible due to different cable types)	DIN NO.	17-pin ASS3	15-pin ISO 12098	Bayonet connector 15-pin	Distributor ASS1	7-pin ISO 1185	Bayonet connector 7-pin GREY	ASS1/2 7-pin BLACK	7-pin ISO 3731	Bayonet connector 7-pin white	ASS1/2 7-pin white
Electrical circuit function												
Blinker left	YL	L	1		1			3			-	
Blinker right	GN	R	2		2			5			-	
Rear fog light	BL	"S"54g	3		3			-			7	
Ground	WH	31	4		4			1			-	
Tail light left	BL	58L	5		5			2			-	
Tail light right	BR	58R	6		6			6			-	
Stop light	RD	54	7		7			4			-	
Reversing light	GR	"S"L	8		8			-			3	
General power supply (+)	BR/BL	"S"54	9		9			-			4	
Wear display	BR/RD	-	10		10			-			-	
Spring-loaded display	YL/BL	54g	11		11			7			-	
Axle lift	RS	"S"58R	12		12			-			6	
Ground for electronic control units	WH/BL	"S"31	13		13			-			1	
Data cable	VI	"S"58L	14		14			-			2	
Data cable	OR	"S"R	15		15			-			5	
Free	VI/GN	-	16		-			-			-	
Free	OR/BL	-	17		-			-			-	
Live	Various	-	-		-			-			-	



Contact assignment Electrical circuit function	Colour (Deviation possible due to different cable types)	DIN NO.	Bayonet connector 8-pin BL	ASS1/2 7-pin YL, GN	Bayonet connector 5-pin BLACK		Bayonet connector 2-pin BL, YL, GN	ASS1/2 2-pin BL, YL, GN	ISO 12098 13-pin 24V	ISO 1724 7-pin	ISO 11446 13-pin 12V	ASS3 3-pin
					Bayonet connector 5-pin YELLOW (left)	Bayonet connector 5-pin GREEN (right)						
Blinker left	YL	L	1		BL	-	-		3	1	1	-
Blinker right	GN	R	4		-	BL	-		5	4	4	-
Rear fog light	BL	"S"54g	2		S	-	-		9	(2)	2	-
Ground	WH	31	3		31	31	1		1	3	3	1
Tail light left	BL	58L	7		UR	-	-		2	7	7	-
Tail light right	BR	58R	5		-	UR	-		6	5	5	-
Stop light	RD	54	6		BR	BR	-		4	6	6	-
Reversing light	GR	"S"L	8		-	S	-		8	-	8	-
General power supply (+)	BR/BL	"S"54	-		-	-	-		10	-	9	-
Wear display	BR/RD	-	-		-	-	-		-	-	10	-
Spring-loaded display	YL/BL	54g	-		-	-	-		7	(2)	*	-
Axle lift	RS	"S"58R	-		-	-	-		13	-	-	-
Ground for electronic control units	WH/BL	"S"31	-		-	-	-		-	-	13	-
Data cable	VI	"S"58L	-		-	-	-		11	-	-	-
Data cable	OR	"S"R	-		-	-	-		12	-	-	-
Free	VI/GN	-	-		-	-	-		-	-	-	-
Free	OR/BL	-	-		-	-	-		-	-	-	-
Live	Various	-	-		-	-	2		-	-	-	2/3

PICTOGRAM OVERVIEW

	Packaging unit
	Left
	Right
	Illuminant
	Volt
	Light bulb
	LED
	Directional indicator
	Directional indicator right
	Directional indicator left
	Dynamic directional indicator, right
	Dynamic directional indicator, left
	SMCG (control of flashing side marker lamps)
	With integrated flashing LCG
	Rear light
	Stop light
	Rear fog lamp
	Reversing light
	Triangular reflector
	Navigation light
	Side marker lamp
	Without side marker lamp
	Front position lamp rear
	Front position lamp

	Red, white, orange
	Black, white, orange
	End-outline marker lamp
	Retro-reflector red
	Retro-reflector white
	Number plate light
	Male
	Female
	Trailer version
	Truck version
	Horizontal mounting
	Vertical mounting
	360° mounting possible
	ADR zone 2
	IP xx protection class
	ISO pulse

THE ART OF LIGHTS

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