



LIGHTING

REAR LED MULTIFUNCTION LAMP

FT-032 LED

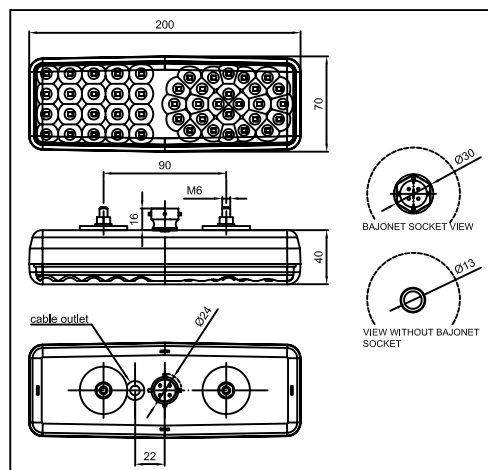
3-functional universal LED rear combination lamp – low power consumption

- european E9 homologation
- the lamp is homologated to be mounted horizontally and vertically as well
- ElectroMagnetic Compatibility – EMC certificate
- shock-resistance – PC lampshade
- reverse polarity protection system

Lamp functions: rear position light, STOP light, indicator

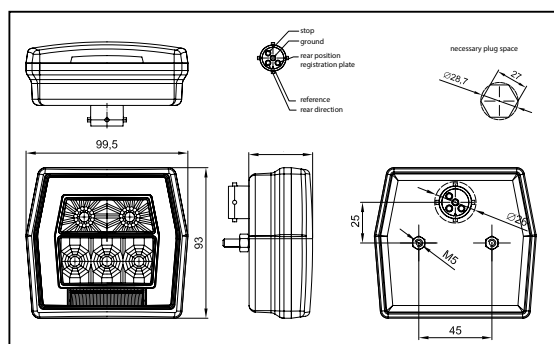
Technical specification:

- supply voltage: 12-36V DC
- operating temperature: – 40°C to +55°C
- lamp is resistant to any weather conditions
- lamp is fully airtight
- rear position light 12V/24V = 0,04A/0,02A
- STOP light 12V/24V = 0,2A/0,1A
- indicator 12V/24V = 0,25A/0,125A
- rear position light 12V/24V = 0,5W/0,5W
- STOP light 12V/24V = 2,4W/2,4W
- indicator 12V/24V = 3W/3W



Type	Lamp functions	Foreign key	Article number
Universal LED rear lamp, with a bayonet connector, smoked lampshade.	indicator, stop light, rear position light	FT-032 LED B	6X1354.114
Universal LED rear lamp with a bayonet connector and an additional fog or reverse light power supply cable, smoked lampshade.	indicator, stop light, rear position light	FT-032 LED B PM	6X1354.086

FT-121 LED



Type	Lamp functions	Foreign key	Article number
Universal LED rear lamp 12-36V, 3-functional, colorless lampshade with a yellow filter of an indicator, 5PIN BAYONET connector.	indicator, stop light, rear position light	FT-121 LED B	6X1354.199



REAR LED MULTIFUNCTION LAMP FT-170 LED

7-functional universal LED lamp – low power consumption

- european homologation E9
- ElectroMagnetic Compatibility (EMC) homologation
- shock-resistance – PC lampshade
- reverse polarity protection system

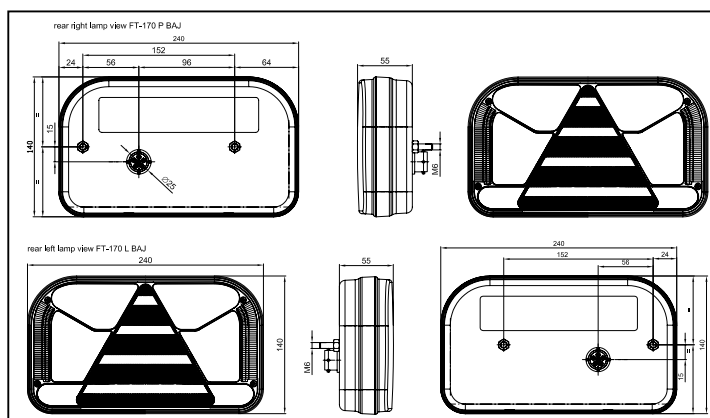
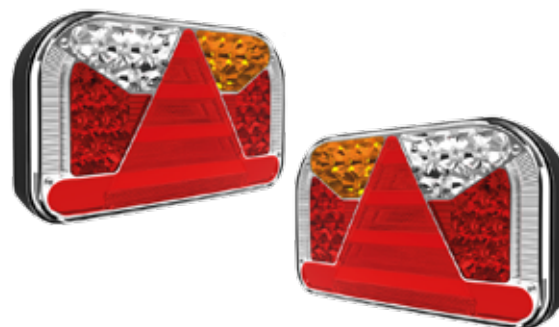
Lamp functions: rear running light, number plate light, STOP light, indicator, fog light, reflector, reversing light

Technical specification:

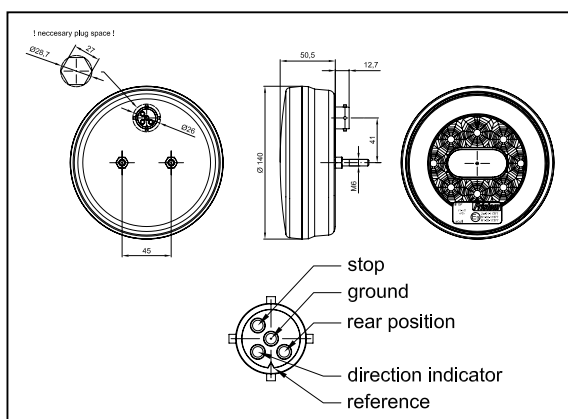
- supply voltage: 12-36V DC
- operating temperature: – 40°C to +55°C
- lamp is resistant to any weather conditions
- lamp is fully airtight

Power consumption:

- rear running light + number plate light – 12V/ 24V = 0,25A/ 0,2A
 - STOP light – 12V/ 24V = 0,08A/0,08A
 - indicator – 12V/ 24V = 0,12A/0,12A
 - reversing light – 12V/ 24V = 0,2A/ 0,1A
 - fog light – 12V/ 24V = 0,15A/ 0,08A
- Power consumption / Rated power:
- rear running light + number plate light – 12/ 24V = 3W/ 5W
 - STOP light – 12V/ 24V = 1W/ 2W
 - indicator – 12V/ 24V = 1,5W/ 3W
 - reversing light – 12/ 24V = 2,5W/2,5W
 - fog light – 12V/ 24V = 2W/2W



Type	Lamp functions	Foreign key	Article number
Universal LED rear lamp 12-36V, 7-functional, left with side number plate light , 6 PIN Bayonet connector.	rear running light, number plate light, STOP light, indicator, fog light, reflector, reversing light	FT-170 L TB LED	6X1354.230
Universal LED rear lamp 12-36V, 7-functional, right with side number plate light , 6PIN Bayonet connector.	rear running light, number plate light, STOP light, indicator, fog light, reflector, reversing light	FT-170 P TB LED	6X1354.231



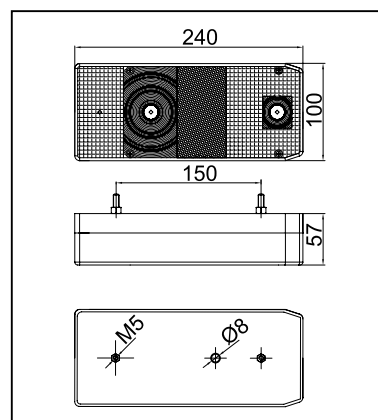
FT-110 LED



Type	Lamp functions	Foreign key	Article number
Universal 3-functional LED rear lamp 12/ 24V, round, 5 PIN Bayonet connector.	indicator, stop light, rear position light	FT-110 LED B	6X1354.221

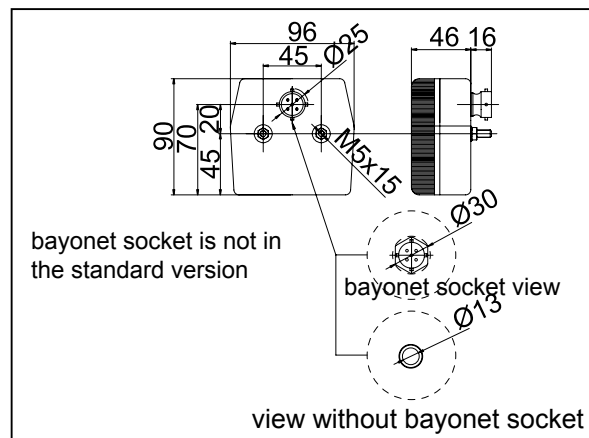
REAR MULTIFUNCTION LAMP

FT-002



Type	Lamp functions	Foreign key	Article number
Left rear lamp with a fog light and a number plate light.	STOP light, indicator, rear running light, number plate light, fog light	FT-002L	6X1354.055
Right rear lamp with a reversing light and a number plate light.	STOP light, indicator, rear running light, number plate light, reversing light	FT-002P	6X1354.056

MD-002

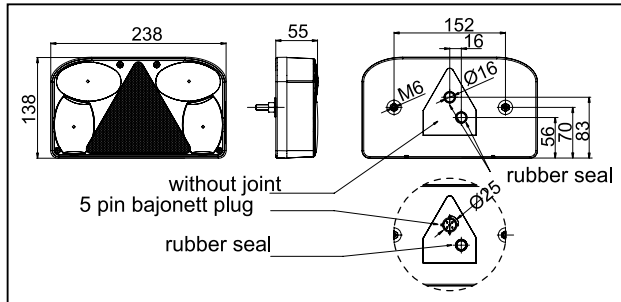


Type	Lamp functions	Foreign key	Article number
Left rear lamp with a number plate light.	STOP light, indicator, rear running light, number plate light	MD-002 L	6X1354.001
Right rear lamp without a number plate light.	STOP light, indicator, rear running light, without number plate light	MD-002 P	6X1354.002
Left rear lamp with a number plate light and a 5PIN bayonet connector.	STOP light, indicator, rear running light, number plate light All cables and bulbs are assembled.	MD-002 L B	6X1354.013
Right rear lamp without a number plate light with a 5PIN bayonet connector.	STOP light, indicator, rear running light, without number plate light. All cables and bulbs are assembled.	MD-002 P B	6X1354.102

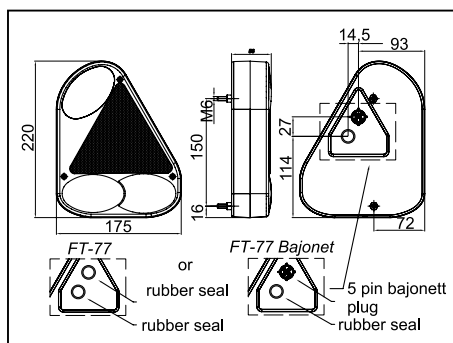


REAR LAMP WITH A RETRO REFLECTING TRIANGLE

FT-088



Type	Lamp functions	Foreign key	Article number
Left rear lamp with a fog light and 5PIN bayonet connector	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. All cables and bulbs are assembled.	FT-088 LPM B	6X1354.014
Right rear lamp with a reversing light and 5PIN bayonet connector	STOP light, indicator, rear running light, number plate light, reversing light, retro reflector. All cables and bulbs are assembled.	FT-088 PCOF B	6X1354.015
Left rear lamp with a reversing light and a bayonet connector.	STOP light, indicator, rear running light, number plate light, reversing light, retro reflector. 5 pin bajonett plug. All cables and bulbs are assembled.	FT-088 LCOF B	6X1354.025
Right rear lamp with a fog light and 5PIN bayonet connector	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. All cables and bulbs are assembled.	FT-088 PPM B	6X1354.026
Left lamp with a fog light and a number plate light.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. Mass cable is assembled, bulbs not included.	FT-088 LPM	6X1354.037
Right rear lamp with a reversing light and a number plate light.	STOP light, indicator, rear running light, number plate light, reversing light, retro reflector. Mass cable is assembled, bulbs not included.	FT-088 PCOF	6X1354.038
Left rear lamp with a reversing light and a number plate light.	STOP light, indicator, rear running light, number plate light, reversing light, retro reflector. Mass cable is assembled, bulbs not included.	FT-088 LCOF	6X1354.039
Right rear lamp with a fog light and a number plate light.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. Mass cable is assembled, bulbs not included.	FT-088 PPM	6X1354.040



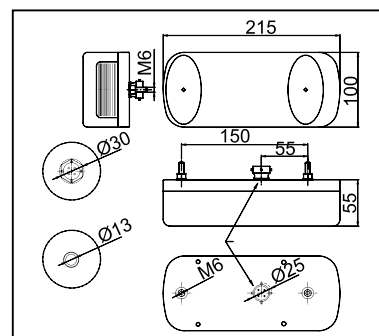
FT-077



Type	Lamp functions	Foreign key	Article number
Left lamp with a fog light.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. Mass cable is assembled, bulbs not included.	FT-077 LPM	6X1354.051
Right lamp with a fog light.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. Mass cable is assembled, bulbs not included.	FT-077 PPM	6X1354.052
Left lamp with a fog light and 5PIN bayonet connector.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. All cables and bulbs are assembled.	FT-077 LPM B	6X1354.053
Right lamp with a fog light and 5PIN bayonet connector.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. All cables and bulbs are assembled.	FT-077 PPM B	6X1354.054

TRAILER REAR LAMP

MD-036

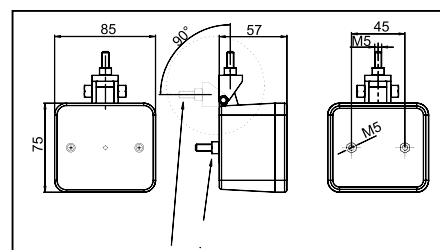


Type	Lamp functions	Foreign key	Article number
Left rear lamp with a fog light and a number plate light.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector.	MD-036 L	6X1354.003
Right rear lamp with a reversing light and a number plate light.	STOP light, indicator, rear running light, number plate light, reversing light, retro reflector.	MD-036 P	6X1354.004
Left rear lamp with a fog light, number plate light, 5 PIN bayonet connector and a bulb.	STOP light, indicator, rear running light, number plate light, fog light, retro reflector. All cables and bulbs are assembled.	MD-036 LB B	6X1354.062
Right rear lamp with a white lampshade, 5 PIN bayonet connector and a bulb.	STOP light, indicator, rear running light, number plate light, reversing light, retro reflector. All cables and bulbs are assembled.	MD-036 PB B	6X1354.063

REAR FOG LAMP

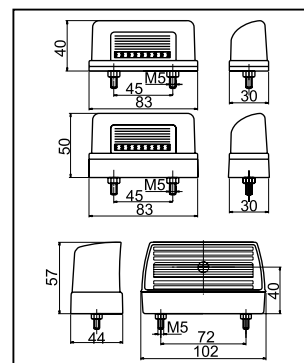


MD-035



Type	Lamp functions	Foreign key	Article number
Fog lamp	fog light, screw mounted	MD-035 S	6X1354.099
Fog lamp	fog light, with mounting bracket	MD-035 P	6X1354.101

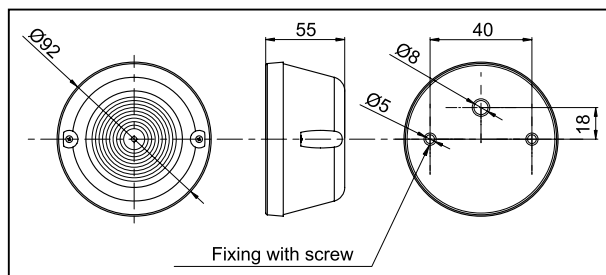
NUMBER PLATE LIGHT



Type	Lamp functions	Foreign key	Article number
Number plate light	number plate light, filament lamp C5W	MD-021	6X1354.033
Number plate light with cable	Number plate lamp with a sidelight and a 2x0.75 mm² cable.	FT-037 P	6X1354.073

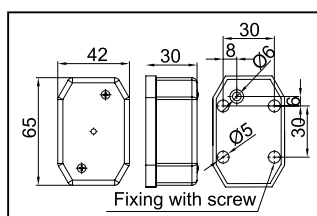


UNIVERSAL POSITION LAMP



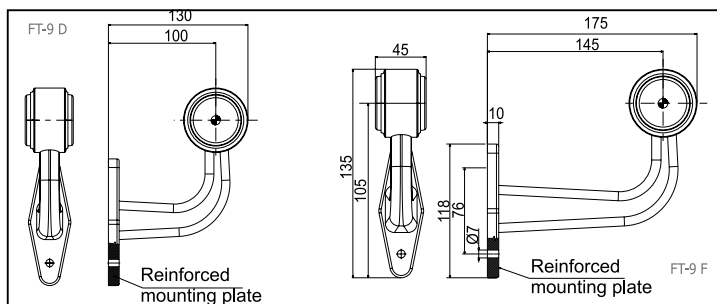
Type	Lamp functions	Foreign key	Article number
Universal position lamp	marking / clearance light, filament lamp C5W, white	FT-008 B	6X1354.079

UNIVERSAL POSITION LAMP WITH REFLECTOR



Type	Lamp functions	Foreign key	Article number
Universal position lamp	marking / clearance light, retro reflector, white	FT-001 B	6X1354.006
Universal sidemarking lamp	marking / clearance light, retro reflector, yellow	FT-001 Z	6X1354.007

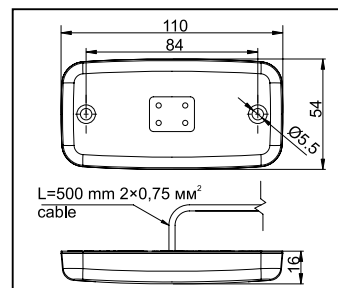
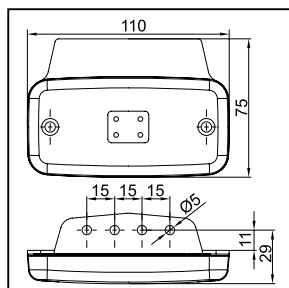
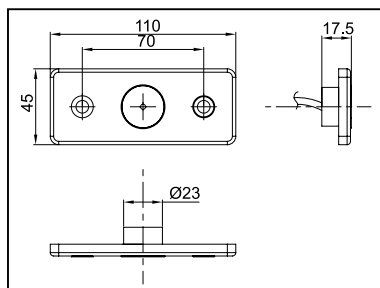
LED CLEARANCE LAMP



2-functional LED clearance lamp mounted with the rubber bracket and integrated flat cable 2×0,75 mm².
Supply voltage 12-36 V DC. Optional polarity connection. The product is fulfilling highest quality standards.
Extreme small power consumption using a 12 V circuit 12V(0,04A)=0,5W and 24 V circuit 24V(0,04A)=1W.
Working temperature range from -40°C to +55°C.

Type	Lamp functions	Foreign key	Article number
LED end outline marking lamp	marking / clearance light, retro reflector, (white + red)	FT-009 D	6X1354.046
LED end outline marking lamp	marking / clearance light, retro reflector, (white + red)	FT-009 F	6X1354.047

UNIVERSAL LED POSITION LAMP



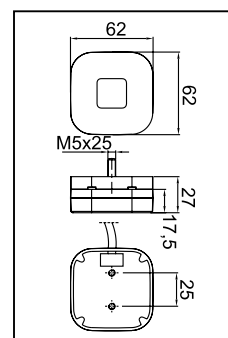
Universal amber LED side marking lamp with reflector, holding bracket and integrated cable 2x0,75 mm².

Voltage range 12-30 V DC - non-polarised. The product is fulfilling highest quality standards.

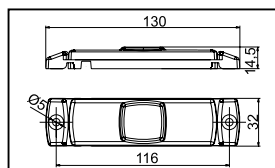
Extreme small power consumption using a 12 V circuit 12V(0,04A)=0,5W and 24 V circuit 24V(0,04A)=1W.

Working temperature range from -40°C to +100°C.

Type	Lamp functions	Foreign key	Article number
Universal LED position lamp	marking / clearance light, retro reflector, white	MD-013 B+K	6X1354.044
Universal LED side marking lamp	marking / clearance light, retro reflector, yellow	MD-013 Z+K	6X1354.045
Universal LED position lamp	marking / clearance light, retro reflector, white	FT-019 B	6X1354.087
Universal LED side marking lamp	marking / clearance light, retro reflector, yellow	FT-019 Z	6X1354.088
Universal LED rear position lamp	marking / clearance light, retro reflector, red	FT-019 C	6X1354.089
Universal LED position lamp	marking / clearance light, retro reflector, white, holding bracket	FT-019 B+K	6X1354.038
Universal LED side marking lamp	marking / clearance light, retro reflector, yellow, holding bracket	FT-019 Z+K	6X1354.039
Universal LED rear position lamp	marking / clearance light, retro reflector, red, holding bracket	FT-019 C+K	6X1354.040



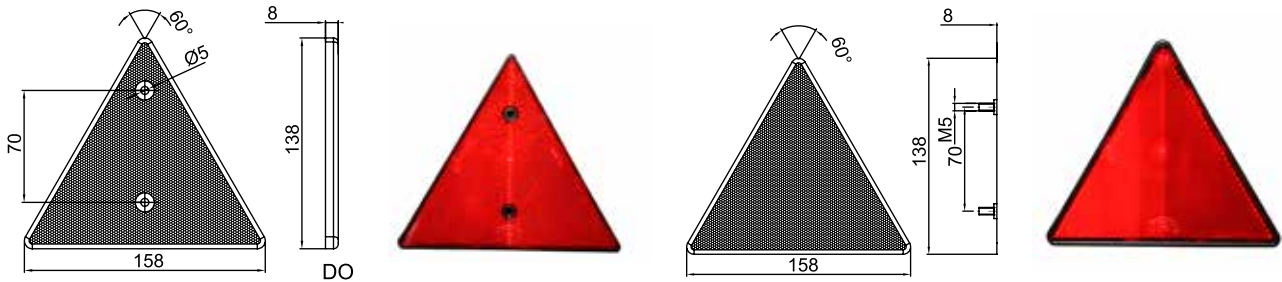
Type	Lamp functions	Foreign key	Article number
Universal LED position lamp	marking / clearance light, retro reflector, white	FT-027 B	6X1354.096
Universal LED side marking lamp	marking / clearance light, retro reflector, yellow	FT-027 Z	6X1354.097
Universal LED rear position lamp	marking / clearance light, retro reflector, red	FT-027 C	6X1354.098



Type	Lamp functions	Foreign key	Article number
Universal LED position lamp	marking / clearance light, retro reflector, white	FT-017 B	6X1354.011
Universal LED side marking lamp	marking / clearance light, retro reflector, yellow	FT-017 Z	6X1354.094
Universal LED rear position lamp	marking / clearance light, retro reflector, red	FT-017 C	6X1354.095



REAR RETRO REFLECTING TRIANGLE



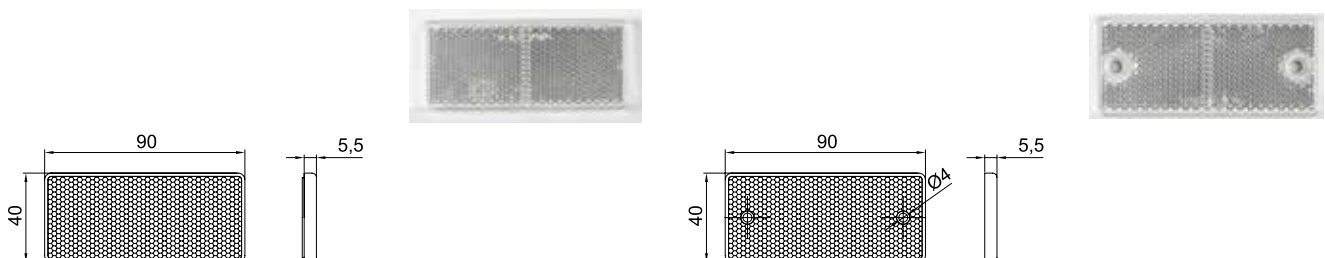
Type	Lamp functions	Foreign key	Article number
Triangular retro reflector	retro reflector, screw mounting, red	DOB-031	6X1354.005
Triangular retro reflector	retro reflector, with fixing bolt, red	DOB-030A	6X1354.045

ROUND RETRO REFLECTING DEVICE



Type	Lamp functions	Foreign key	Article number
Front retro reflector	retro reflector with fixing bolt, round, white (Ø80 mm)	DOB-039A B	6X1354.060
Side retro reflector	retro reflector with fixing bolt, round, yellow (Ø80 mm)	DOB-039A Z	6X1354.061
Rear retro reflector	retro reflector, screw mounted, round, red (Ø80 mm)	DOB-039 C	6X1354.072
Front retro reflector	retro reflector, screw mounted, round, white (Ø80 mm)	DOB-039 B	6X1354.027
Side retro reflector	retro reflector, screw mounted, round, yellow (Ø80 mm)	DOB-039 Z	6X1354.028
Front retro reflector	retro reflector, white, round shaped, self-adhesive (Ø60 mm)	DOB-032 B	6X1354.029
Side retro reflector	retro reflector, yellow, round shaped, self-adhesive (Ø60 mm)	DOB-032 Z	6X1354.030
Front retro reflector	retro reflector round shaped, screw mounted, white (Ø60 mm)	DOB-033 B	6X1354.023
Side retro reflector	retro reflector round shaped, screw mounted, yellow (Ø60 mm)	DOB-033 Z	6X1354.032

RECTANGULAR RETRO REFLECTING DEVICE



Type	Lamp functions	Foreign key	Article number
Front retro reflector	retro reflector, rectangular, white, self-adhesive	DOB-035 B	6X1354.008
Side retro reflector	retro reflector, rectangular, yellow, self-adhesive	DOB-035 Z	6X1354.009
Side retro reflector	retro reflector, rectangular, yellow, screw mounted	DOB-034 Z	6X1354.058
Front retro reflector	retro reflector, rectangular, white, screw mounted	DOB-034 B	6X1354.059

PLUG, SOCKET AND HOLDER



Nº	Type	Rated load	Material	Article number
1	7-pin Plug	12V / 24V	aluminum	6X1766.001
2	7-pin Plug	12V / 24V	plastic housing	6X1766.002
3	7-pin Socket	12V / 24V	plastic housing	6X1766.003
4	Socket boot		solid rubber	6X1766.004
5	13 - 7 Adapter	12V / 24V	plastic housing	6X1766.005
6	13-pin Socket	12V / 24V	plastic housing	6X1766.006
7	13-pin Plug	12V / 24V	plastic housing	6X1766.007
8	7 - 13 Adapter	12V / 24V	plastic housing	6X1766.008
9	Plug holder		FeZn	6B0891.001
10	Plug holder		stainless steel	6X1395.003
11	7-pin Plug holder		spring-steel, FeZn	6E5098.001
12	13-pin Plug holder		spring-steel, FeZn	6E5324.001



5-POLE BAYONET



Type	Foreign key	Article number
Bayonet plug for right situated lamps	WTY P	6X1354.064
Bayonet plug for left situated lamps	WTY L	6X1354.065

MOUNTED CABLE SET

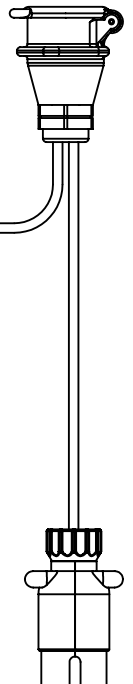
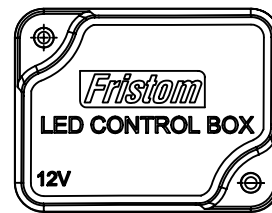


Type	Length	Foreign key	Article number
7-pin main cable, fog light on the left side	4 m	IA-040-000	6X1354.016
7-pin main cable, fog light on the left side	5 m	IA-050-000	6X1354.017
7-pin main cable, fog light on the left side	7 m	IA-070-000	6X1354.019
7-pin main cable, fog light on the left side, extensions: /L2	5 m / L2: 3,1 m	IIIA-050-031	6X1354.066
7-pin main cable, fog light on the left side, extensions: /L2	7 m / L2: 5,5 m	IIIA-070-055	6X1354.067
7-pin main cable, fog light on the left side, extensions: /L2	8 m / L2: 6 m	IIIA-080-060	6X1354.068
7-pin main cable, fog light on the left side	9 m	IIIA-090-000	6X1354.069
7-pin main cable, fog light on the left side, extensions: /L2	7 m / L2: 0,2 m	IIIA-070-020	6X1354.070
7-pin main cable, fog light on the left side, extensions: /L2	8 m / L2: 0,2 m	IIIA-080-020	6X1354.071



CONTROL BOX

The control box grants the correct operation of the original trailer lamp's indicator-control system located in the car in case of trailers provided with Fristom LED lighting equipment while it doesn't make worse the most important advantage of LED, the energy saving.



Type	Function	Article number
LED control Box	7p/12V	6X1354.216
LED control Box	13p/12V	6X1354.217

TESTER FOR 7-PIN PLUG AND SOCKET CONNECTION

This tester has one side to connect the 7-pins plug of a trailer and another side to connect the 7-pins socket of a car. This tester indicates quickly if a failure concerns the wiring of the car or the wiring of the trailer.

How to test the connection of a:

Trailer (can also be a caravan or bicycle carrier)

1. Put the plug in the connection of the tester.
2. Press the yellow button on the side of the tester.
3. If the wiring is good, all the LEDs light up.

The function of each LED is:

1. indicator left (yellow)
2. foglight or 12V (blue)
3. mass (white)
4. indicator right (green)
5. rearlight right (brown)
6. brake light (red)
7. rearlight left (black).



Attention: The pin №2 can be used either for a warning foglamp or a permanent 12 V connection.

4. If a LED doesn't light up, it is because the corresponding wire is defective. If all the LEDs light up, the defect is at the vehicle.

Car, camper

1. Put the tester in the socket of the car.
2. Press the yellow button on the side of the tester.
3. If the wiring is good, all the LEDs light up.

Type	Function	Article number
Trailer lighting tester	7p/12V	502207

Problem	Trailer	Car (by pressing yellow button)
1 Some LEDs do not light up.	Wire damaged or bulb defective. Bad contact.	See left.
2 None of the LEDs light up.	Mass wire damaged or all bulbs defective. Chec the battery of the tester.	See left.
3 One or more LEDs are weak or twinkle.	Wire damaged or contacts dirty in the plug.	Wire damaged or contacts dirty in the socket.
4 All the LEDs are weak or twinkle.	Mass wire damaged. hec the battery of the tester.	See left.
5 The lights of the trailer do not light up but the LEDs do.	Shortcircuit in the trailer wiring. The fuses will break.	