BRIEF INFORMATION

Multifunctional lamp with filament bulb and LED hybrid technology 2.. 011 511-...

→ In 24 V applications
→ For heavy-duty trucks
→ Retrofitting of permanent lighting functions to LED

PRODUCT FEATURES

Conversion to LED:
→ All functions are equipped with built-in 24 V filament bulbs as a factory default. The permanent lighting functions, tail lamp, license plate lamp, clearance/side marker lamp are also available in LED
→ Easy conversion to LED is possible

Versions:
→ Available with backup alarm
→ Optionally with 152 mm or 160 mm spacing of fastening screws
→ Plug HDSCS 8-pin or DIN 7-pin
→ Plug position is at side by default, can be located on rear on request
→ Available with license plate lamp, illumination for license plates 520 x 120 mm

Details / benefits:
→ Economically attractive use of LED technology for permanent lighting functions
→ Lens for filament bulb and hybrid versions, left and right identical
→ Curved outer lens shape for optimum tightness
→ Generously dimensions illuminated area for clearance lamp
→ Homogeneous appearance due to horizontal reflex reflector and clearly structured lighting functions

Contributes to environmental protection, resource preservation and sustainability:
→ LED indirectly reduces CO_2 emission
→ If a replacement is required due to a failure or conversion to LED, parts can be easily replaced and individually recycled

TECHNICAL DETAILS

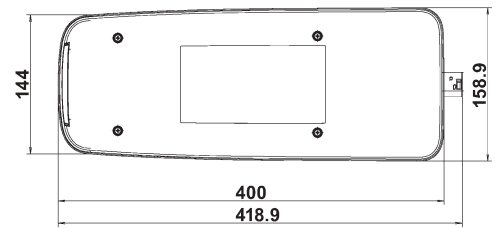| Technical specifications		
Type approval	ECE	
	Filament bulb = E1 3443 / Hybrid = E1 available as of end of September	
	GGVS (Carriage of Dangerous Goods by Road - Germany)/ ADR	
Functions filament bulb	Tail lamp	12 V / 24 V / 10 W filament bulb
	Stop lamp	12 V / 24 V / 21 W filament bulb
	Direction indicator	12 V / 24 V / PY21 W filament bulb
	Rear fog light	12 V / 24 V / 21 W filament bulb
	Back-up light	12 V / 24 V / 21 W filament bulb
	Side marker/clearance light	12 V / 24 V / 10 W filament bulb
	License plate lamp	12 V / 24 V / 10 W filament bulb
Functions LED*	Tail lamp	24 V / 3 red LEDs 0.6 W / 0.02 Ampere
	Side marker/clearance light	24 V / 3 red LEDs 1.7 W / 0.06 Ampere
	License plate lamp	24 V / 3 white LEDs 1.7 W / 0.06 Ampere
Dimensions (L x W x H)	400 mm x 160 mm x 88 mm	
Specification	HELLA Standard 67101	Class 6.1 Truck
Operating temperature	up to approx. +60 °C	
IP protection class	Lamp: IP 5K4K	LED modules: IP 6K9K
Fixing	Stud M 8 x 48.5 mm fixed in housing	

* not available in 12 V

Technical drawing

144
158.9
400
418.9
92.1
117.6
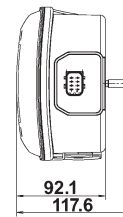
Installation above the license plate 520 x 120 mm

112 mm
125 mm
520 mm x 120 mm
1,0
5°

Stop lamp
Direction indicator
Reverse light
Tail lamp

Clearance/side marker lamp with reflex reflector
Reflex reflectors
Rear fog light

License plate lamp (left for driving on the right)
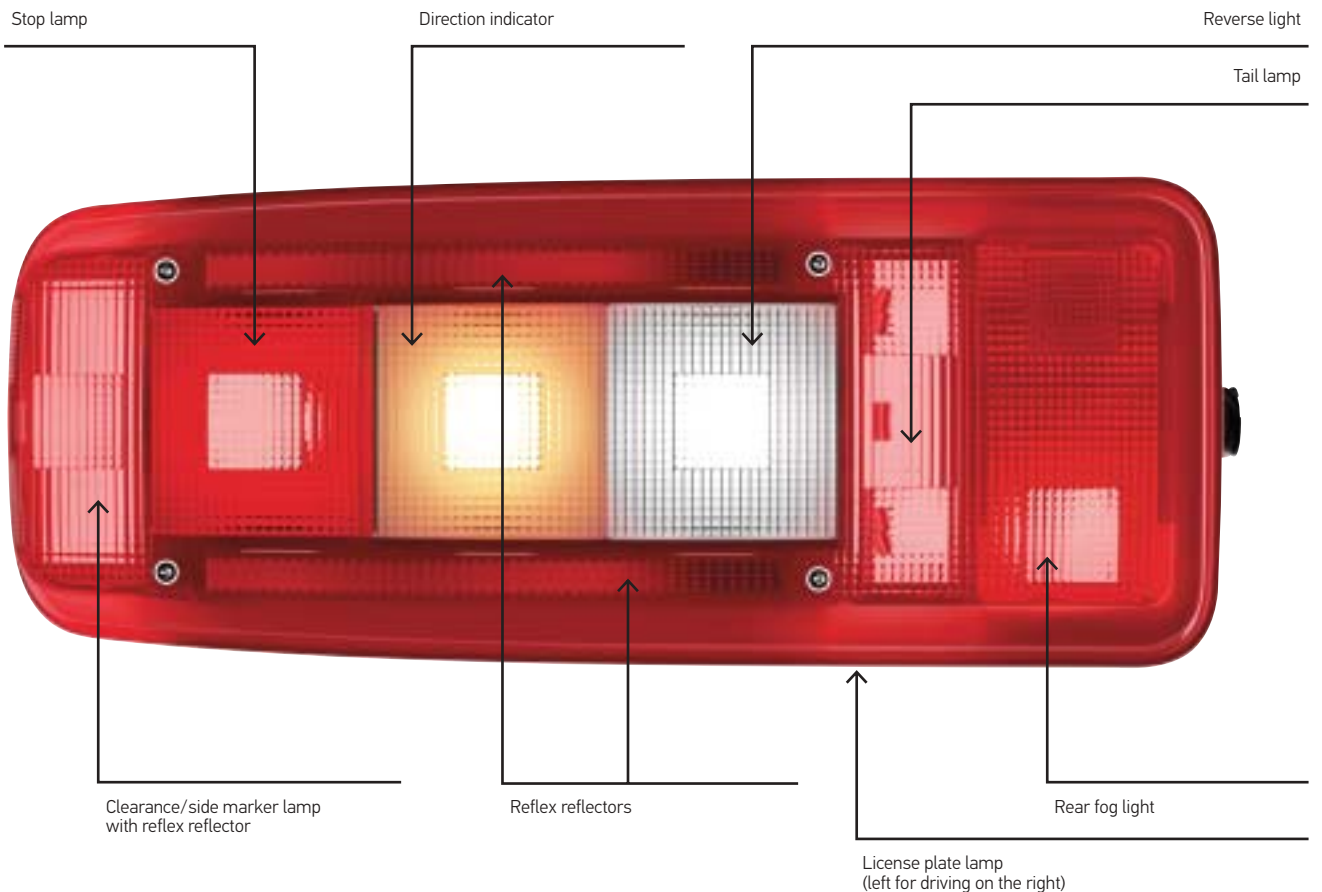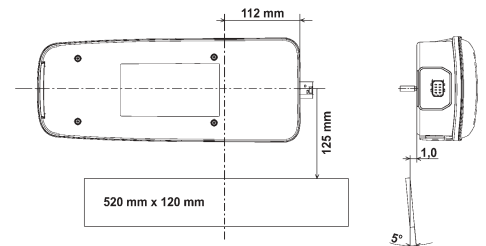
HDSCS plug 8-pin

Mating plug: AMP 1-1418479-1 / 8 x blade terminal sleeve 1241380-1
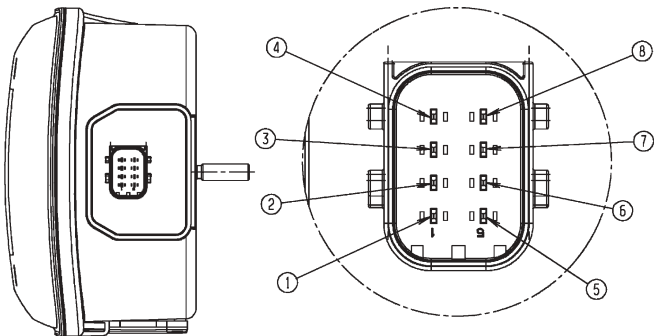
Pin assignment	
1	Ground
2	Free
3	Free
4	Rear fog light
5	Tail lamp
6	Reverse light
7	Direction indicator
8	Stop lamp

DIN plug 7-pin

Mating plug: AMP 967650-1 / 7 x blade terminal sleeve 929686-1
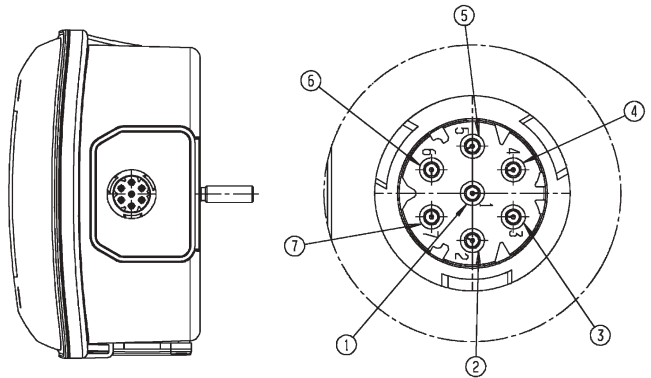
Pin assignment	
1	Ground
2	Tail lamp
3	Reverse light
4	Direction indicator
5	Stop lamp
6	Rear fog light
7	Free

APPLICATION EXAMPLE

RANGE OVERVIEW

(available as of 1st quarter 2013)

	Article number 2VD 011 511–													
	031 037	041 047	081 087	211*	221*	231 237	241 247	281 287	337	347	437	447	611*	621*
suitable for 12 V / 24 V without bulb	–	–	–	–	–	–	–	–	–	–	–	–	X	X
24 V filament bulb	X	X	X	–	–	–	–	–	X	X	–	–	–	–
ML Hybrid	–	–	–	X	X	X	X	X	–	–	X	X	–	–
Left	X	–	–	X	–	X	–	–	X	–	X	–	X	–
Right	–	X	X	–	X	–	X	X	–	X	–	X	–	X
152 mm screw spacing	X	X	X	X	X	X	X	X	–	–	–	–	X	X
160 mm screw spacing	–	–	–	–	–	–	–	–	X	X	X	X	–	–
HDSCS plug side	X	X	X	–	–	X	X	X	X	X	X	X	–	–
DIN plug side	–	–	–	X	X	–	–	–	–	–	–	–	X	X
Backup alarm	–	–	X	–	–	–	–	X	–	–	–	–	–	–
Tail lamp	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	LED	LED	LED	Filament bulb	Filament bulb	LED	LED	X	X
Reflex reflectors	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Stop lamp	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	X	X
Direction indicator	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	X	X
Back-up light	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	X	X
Rear fog light	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	Filament bulb	X	X
Clearance/side marker lamp with reflex reflector	Filament bulb	Filament bulb	Filament bulb	LED	–	LED	LED	LED	Filament bulb	Filament bulb	LED	LED	X	X

	Article number 2VP 011 511–													
	031 037	041 047	081 087	211*	221*	231 237	241 247	281 287	337	347	437	447	611*	621*
License plate lamp	Filament bulb	–	–	LED	–	LED	–	–	Filament bulb	–	LED	–	X	–

Packaging unit:
-..1 = 1 units / -..7 = 8 units

Spare parts	
9EL 194 229-001	Lens with 4 screws usable for right and left side and for filament bulb and hybrid versions.
9DW 194 222-801	To convert a vehicle with a filament bulb version to a hybrid version, please use the following LED set: LED set with functions (2 x tail lamp, 2 x clearance/side marker lamp, 1 x license plate lamp, 10 x PT screw (4 x 16), 1 x installation instructions)

The individual LED groups for the functions tail lamp/license plate lamp and clearance/side marker lamp will be added to the range at a later date as needed.

* Versions on request