

To the product video

BRIEF INFORMATION

Full LED rear lamp for 24 V truck and trailer

- Enables the synchronization of the direction indicator with side marker lights (mandatory for all trucks and trailers registered after January 2020).
- Functional safety ensured by an integrated ballast unit conforming to DIN ISO 13207
- Slim and robust design fits perfectly to the rear of any vehicle
- Full LED solution with innovative patented light curtain

PRODUCT FEATURES

The full LED rear lamp for 24 V truck and trailers impresses at first glance with its innovative design. The patented LED light curtain is particularly striking with a surface area of 144 cm² for the tail light and the reflex reflector behind it, as well as the dynamic direction indicator light. Due to the large light surface, it ensures optimal visibility of the vehicle, which guarantees a high level of safety.

The new rear lamp is also exceptionally robust. The lens is bonded to the housing and the two colour polycarbonate (PC) external lens is impact-resistant. Overall, the rear lamp achieves protection class IP 6K9K, which means that it is not only dustproof but also high-pressure jet cleaner resistant. With a size of 410 x 140 mm and an installation depth of just 55.5 mm, it is also extremely compact.

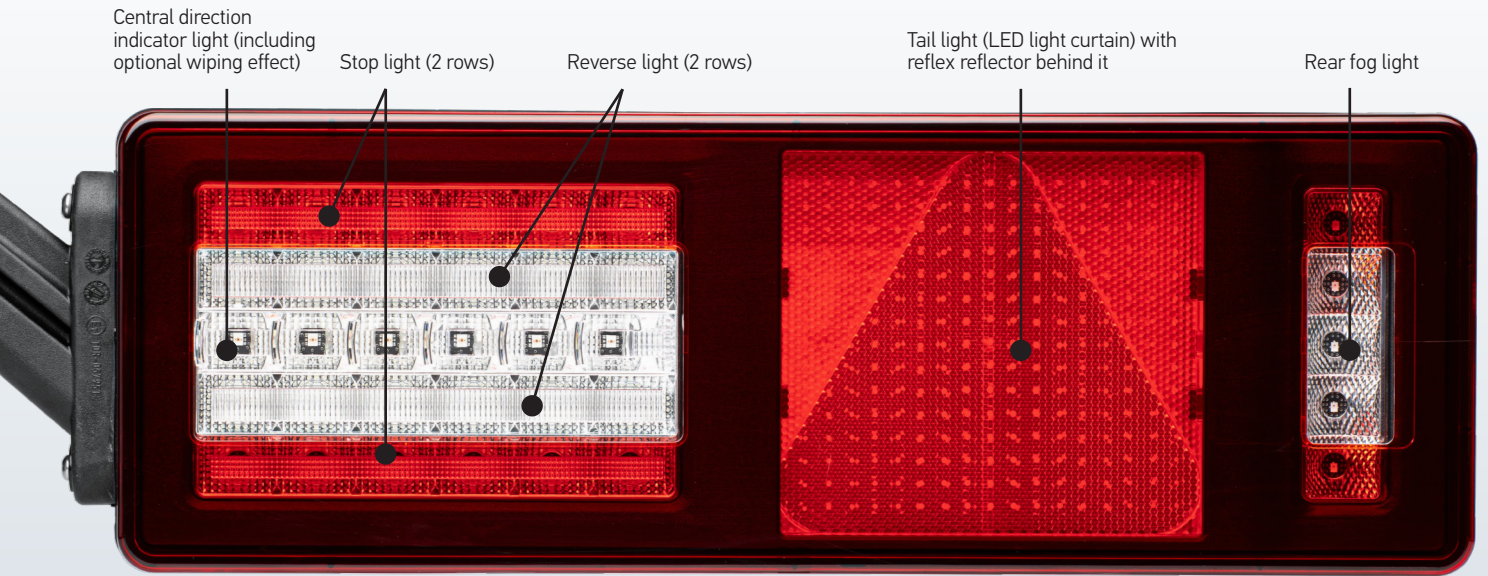
The combination rearlight can be retrofitted to older vehicles, provided that a corresponding extension to the approval has been granted for the vehicle.

Synchronization of rear direction indicator light is also possible with existing side marker lights, provided that the current consumption of the LED side marker lights does not exceed 24 W.

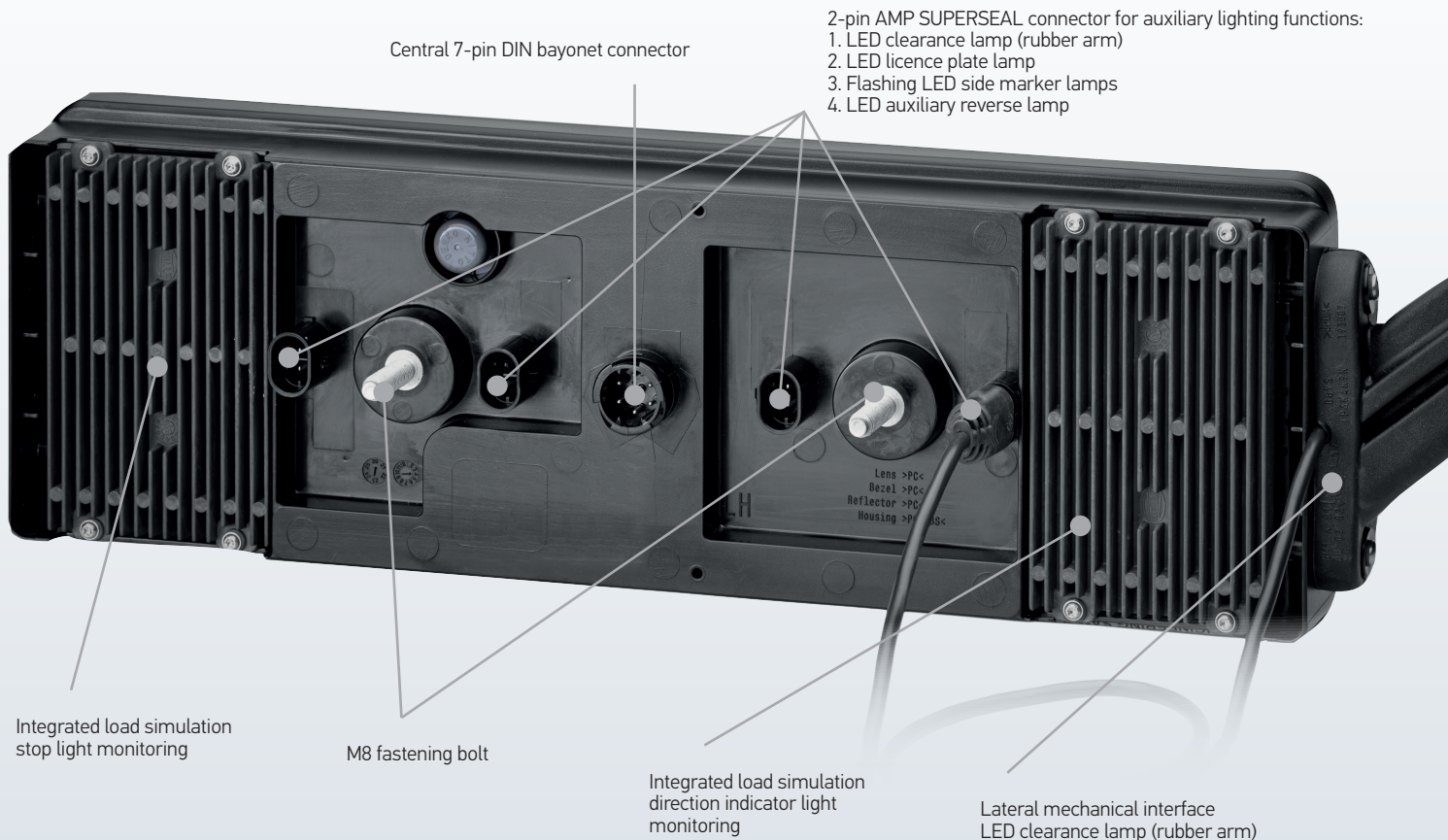
The electronics also meet the highest demands. The high-performance LEDs enjoy a long lifetime and low power consumption. In addition, control for the flashing side marker lamps, direction indicator failure control and load simulation for the stop and direction indicator lights are integrated into the system. This ensures a high level of compatibility.

Another advantage of the rear lamp is its future viability. It has a mechanical interface for sensor technology, meaning that ultrasonic sensors can be connected on both sides, for example.

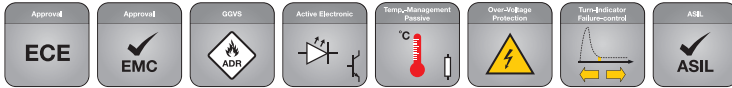
DISTRIBUTION OF THE LIGHT FUNCTIONS



OVERVIEW OF CONNECTORS AND CONNECTIONS



TECHNICAL DETAILS



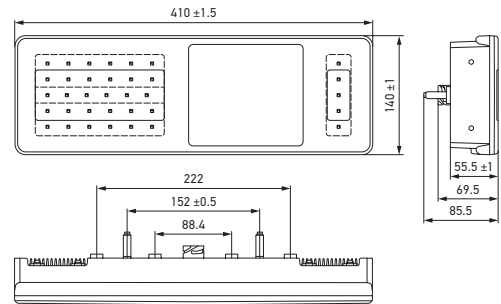
Technical data

Operating voltage	24 V			
Light function		①	②	③
	Tail light	12 red	2 W	0.1 A
	Stop light	12 red	26 W	1.1 A
	Direction indicator light	6 amber	24 W	1.0 A
	Reverse light	12 white	3 W	0.15 A
	Rear fog light	5 red	1.6 W	0.07 A
Light source	LED			
Material	Two colour external lens made of polycarbonate (PC), housing made of PC-ABS			
Weight	~ 1,900 g			
Temperature range	- 40°C to + 60°C			
Protection class	IP 6K9K			
Type approval	ECE ²⁴ 148R-00 5934, 150R-00 5934			
EMC protection	EMV ¹¹ 10R-06 9011 (ECE-R10)			
Mounting	With M8 fastening bolts			
Connection	Central 7-pin DIN bayonet connector, 2-pin AMP SUPERSEAL connector for auxiliary lighting functions			

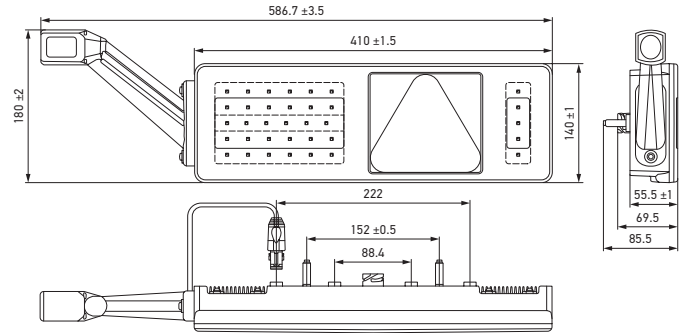
① Number of LEDs | ② Power | ③ Current consumption

Dimensional sketch

Trucks



Trailers



PROGRAM OVERVIEW

Version	Surface mounting	Functions						Part number	PU*
		Direction indicator		Rubber arm	Load simulation		Electronics for flashing side marker lamps		
		Flashing	Wiping		Direction indicator light	Stop light			...1
Truck	left/right	x	-	-	-	-	-	2VP 340 970-70...	1 pcs.
Truck	left/right	-	x	-	-	-	-	2VP 340 970-71...	1 pcs.
Trailer	left	x	-	x	-	-	-	2VP 340 970-03...	1 pcs.
Trailer	right	x	-	x	-	-	-	2VP 340 970-04...	1 pcs.
Trailer	left	-	x	x	-	-	x	2VP 340 970-33...	1 pcs.
Trailer	right	-	x	x	-	-	x	2VP 340 970-34...	1 pcs.
Trailer	left	x	-	x	x	x	x	2VP 340 970-43...	1 pcs.
Trailer	right	x	-	x	x	x	x	2VP 340 970-44...	1 pcs.
Trailer	left	-	x	x	x	x	x	2VP 340 970-53...	1 pcs.
Trailer	right	-	x	x	x	x	x	2VP 340 970-54...	1 pcs.

* PU = packaging unit; 1 piece is delivered in a single carton.

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Subject to technical and price modifications.

APPLICATION

