



BRIEF INFORMATION

LED combination lamp SlimLine

- › Compact module with three lighting functions: daytime running light, position light and direction indicator light
- › Rectangular shape and outstanding slim design
- › Highly efficient for diverse applications

PRODUCT FEATURES

The LED combination lamp SlimLine is a versatile lighting solution designed to meet the highest standards of performance and safety. Packed with various features, this slim and compact lamp offers three lighting functions: daytime running light (DRL), position (PO) and direction indicator light (DI). The direction indicator was developed according to the technical aspects of ISO 26262:2018, in compliance with ASIL-A.

Equipped with energy-efficient LED technology, this combination lamp offers bright and reliable lighting performance. The housing and lens are constructed from durable polycarbonate, ensuring resistance to impact and harsh conditions. Additionally it can be operated within a temperature range of -40 °C to +60 °C.

The LED combination lamp SlimLine achieved IP 5K9K and IP 5K4K certifications. These ratings indicate its exceptional resistance to high-pressure water jets and protection against dust infiltration.

The installation of this lamp is very easy: Using screws, the lamp can be mounted from either the front or back, providing more flexibility. It can be seamlessly integrated into various vehicle designs, whether using an FEP connector or a DEUTSCH DT connector. Thanks to its housing and lens made of durable polycarbonate, this lamp is very light but robust at the same time.

LIGHT FUNCTIONS



1. Lights Off | 2. position light (PO) | 3. daytime running light (DRL) | 4. direction indicator light (DI)

APPLICATION EXAMPLES



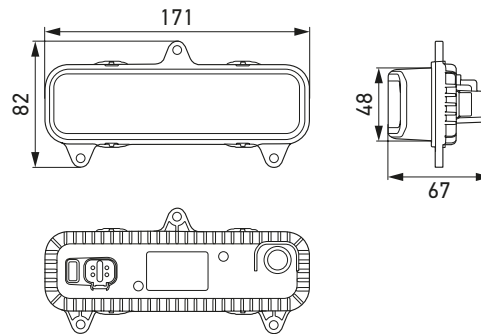
Bi-LED low beam and high beam headlamp SlimLine, LED combination lamp SlimLine, LED fog lamp with cornering light SlimLine

TECHNICAL DETAILS

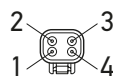
Technical data	
Operating voltage range	Multi-voltage (9 – 32 V)
Rated voltage	12 V and 24 V
Current consumption	Daytime running light: 0,14 A (32 V) Position light: 0,35 A (32 V) Direction indicator light: 0,14 A (32 V)
Power consumption	Daytime running light: 5 W Position light: 1,5 W Direction indicator light: 5 W
Light function	Daytime running light, position light, direction indicator
Light source	LED
Material	Housing and lens: Polycarbonat
Weight	185 g
Temperature range	-40 °C to +60 °C
Protection class	IP 5K9K, IP 5K4K
Approved	ECE R148.01, FMVSS 108, ECE-R10
Compliant	CISPR 25 Class 5*
Mounting	Screws mounting from the back or front
Connection	FEP connector or DEUTSCH DT connector

* Meets the highest level of EMI suppression (CISPR 25 Class 5) – only the product variant 2BE 016 545-811 (SAE double version) in the „Position Light / 24 V“ frequency range complies with CISPR 25 Class 4.

Dimensional sketch

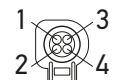


Pin assignment



DEUTSCH DT connector

Pin 1: position light
Pin 2: direction indicator
Pin 3: ground
Pin 4: daytime running light



FEP connector

Pin 1: direction indicator
Pin 2: position light
Pin 3: ground
Pin 4: daytime running light

PROGRAM OVERVIEW



Product picture	Connection	Variant	Type of mounting	Part number
	FEP connector	ECE	Screws from the back or front	2BE 016 545-101
		ECE		2BE 016 545-001
		SAE		2BE 016 545-011
	DEUTSCH DT connector	SAE*		2BE 016 545-811

* SAE double version for larger vehicles (vehicle width > 2032 mm).

EXTENDED SLIMLINE PRODUCT RANGE









PROGRAM OVERVIEW

Other products of SlimLine product family

Product picture	Connection	Variant	Type of mounting	Part number
Bi-LED low beam and high beam headlamp SlimLine				
	DEUTSCH DT connector	ECE, right-hand traffic	Flush mounting	1AL 016 330-001
	DEUTSCH DT connector	ECE, left-hand traffic	Flush mounting	1LL 016 330-011
	DEUTSCH DT connector	FMVSS 108, SAE	Flush mounting	1AL 016 330-021
LED fog lamp with cornering light SlimLine				
	HB3	ECE, FMVSS 108	Screws mounting from the back or front	1NL 016 340-001*

* Only one variant for ECE and FMVSS 108 as well as for both left and right side of a vehicle.

ACCESSORIES FOR SLIMLINE DRL / PO / DI

Product picture	Description	Part number	PU
LED surplus supply: FEP connector			
	Housing, 4-pin	8JA 202 231-002	10
	Flat contact	8KW 863 933-013	50
	Single conductor insulation (0.35 – 0.5 mm ²)	9GD 863 952-022	50
	Single conductor insulation (0.75 mm ²)	9GD 863 952-012	50
LED surplus supply: DEUTSCH DT connector			
	Connector housing, 4-pin	8JA 201 022-042	10
	Locking / wedge lock 4-pin	9NB 201 024-042	10
	Contact sleeve (0.5 – 1.5 mm ²) 4-pin	8KW 201 025-112	50
	Set packaging for 4-pin	8JA 201 022-821	1