



Headlamps and Inserts

Over 100 years of headlamp manufacturing has positioned HELLA as the leader for headlamp innovation, performance, and reliability.



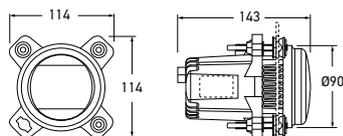
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LED 90mm Low Beam

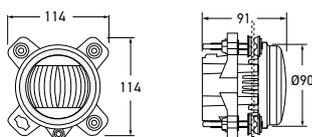
LED low beam featuring a generous spread of light. Low power consumption and ultra long life equates to economical running costs compared to a bulb lamp. Exceptional white light output and extremely homogeneous illumination for reduced driver strain which means greater safety. Complete with 3 screw adjusters.



1ML 012 488-011		LOW BEAM
Mounting	3 point mount, screw adjusters included.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.	
Power Consumption	20W	
Protection	IP 5K4K (Protection against dust and high-pressure water splash) IP 5K9K (Protection against dust and high-pressure/steam jet cleaning)	
Connector	4 Pole FEP socket (Plug not included)	
Spare Parts	9XX 254 163-007 Adjusters (3, included) 9AH 169 580-011 Mounting frame (not included)	
Compliance	E1 4090 ECE R112/01	

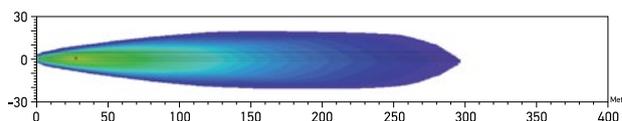
LED 90mm High Beam

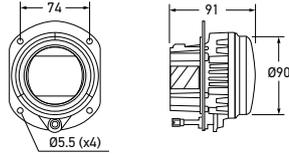
LED high beam featuring a generous spread of light. Low power consumption and ultra long life equates to economical running costs compared to a bulb lamp. Exceptional white light output and extremely homogeneous illumination for reduced driver strain which means greater safety. Complete with 3 screw adjusters.



1F0 011 988-121		HIGH BEAM
Mounting	3 point mount, screw adjusters included.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.	
Power Consumption	20W	
Protection	IP 5K4K (Protection against dust and high-pressure water splash) IP 5K9K (Protection against dust and high-pressure/steam jet cleaning)	
Connector	4 Pole FEP socket (Plug not included)	
Spare Parts	9XX 254 163-007 Adjusters (3, included) 9AH 169 580-011 Mounting frame (not included)	
Compliance	E1 3831 Ref. 12.5 ECE R112/01	

LED 90mm High Beam distance. (m)





1N0 011 988-001		FOG BEAM
1N0 011 988-011	Daytime Running Lamp/Front Position	FOG BEAM
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.	
Power Consumption	Fog: 25W Daytime Running Lamp: 15W (1N0 011 988-011 version only) Front Position: 3W (1N0 011 988-011 version only)	
Protection	IP 5K4K (Protection against dust and high-pressure water splash) IP 5K9K (Protection against dust and high-pressure/steam jet cleaning)	
Connector	4 Pole FEP socket (Plug not included)	
Compliance	Fog: ECE R87/00 Daytime Running Lamp: ECE R87/00 Front Position: ECE R7/02	

LED 90mm Fog Lamp

LED Fog lamp featuring a generous spread of light. Low power consumption and ultra long life equates to economical running costs compared to a bulb lamp. Exceptional white light output and extremely homogeneous illumination for reduced driver strain which means greater safety.



9AH 157 659-002	9102909 (Mounting frame)
9AH 254 228-013	9102910 (Mounting frame)
9AH 169 580-011	9102911 (Mounting frame)
9AH 205 652-111	9102912 (Mounting frame)
8JA 202 231-801	4988P (4 pole FEP plug kit)
8KA 202 117-001	4988DT (4 pole FEP to DT adaptor)

90mm Headlamp Plugs, Adaptors, Mounting Frames, and Adjusters

Spare parts to suit 90mm headlamps



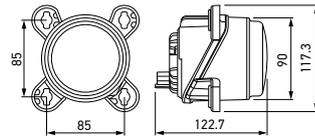
Adjuster to suit 90mm headlamps.



9XB 152 977-001	15297700	PACK OF 3
9XX 254 163-007	25416300	PACK OF 3
To Suit	9XB 152 977-001 Suits 14mm Ø mounting holes 9XX 254 163-007 Suits 17mm Ø mounting holes	

LED 90mm High and Low Beam Headlamps

90mm LED headlamps are designed as cost effective replacements for halogen headlamps found on many New Zealand manufactured buses and coaches. Featuring a robust aluminium housing, tough polycarbonate lens, and an innovative reflector optical system, the new headlamps produce a controlled, homogeneous distribution of light synonymous with the HELLA brand. The 90mm headlamps are an excellent upgrade over halogen lamps to deliver the advantages of a maintenance-free service life and reduced operating costs positioned at competitive price and performance level between HELLA's halogen and premium LED headlamps.



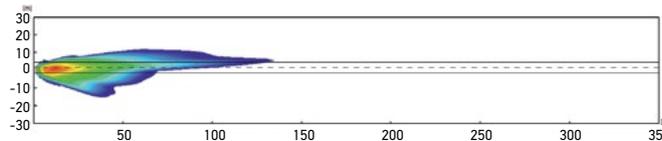
1M0 015 050-011	90mm Headlamp	LOW BEAM
1K0 015 050-021	90mm Headlamp	HIGH BEAM
Mounting	3 point mount, screw adjusters (not included)	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.	
Power Consumption	21W Low Beam 14W High Beam	
Protection	Reverse polarity protection IP 5KX (Protection against dust) IP X4K (Protection against splashing water from all directions with higher pressure) IP X9K (Protection against high-pressure cleaner, specific for road vehicles)	
Connector	2 Pin DT socket (plug not included)	
Spare Parts	9XX 254 163-007 Adjusters (3, included) 9AH 169 580-011 Mounting frame (not included)	
Compliance	ECE-R149 0008 Low Beam 0009 High Beam Ref:17.5 ECE-R10 8993	



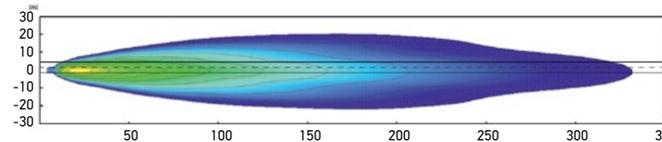
9XX 254 163-007

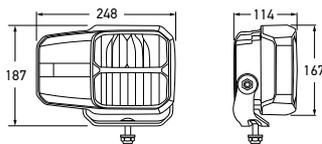
9AH 169 580-011

1M0 015 050-011 Low Beam distance. (m)



1K0 015 050-021 High Beam distance. (m)

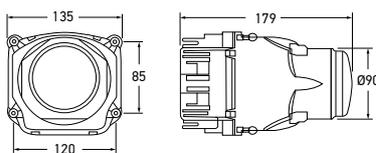




1LE 996 374-031		LEFT HAND
1LE 996 374-041		RIGHT HAND
Mounting	Single bolt mount, upright.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.	
Power Consumption	High beam	40W
	Low beam	25W
	Indicator	8W
	Position	1W
Protection	IP 6K4K (Protection against dust and water splash) IP X9K (Protection against high-pressure jets)	
Connection	6 pole DT socket	
Spare Parts	8JA 959 736-801	6 pole DT plug, wedge and 6 contacts
Compliance	(E) 4079 ECE R112/01 Ref. 12.5 ECE R6/01 ECE R7/02	

LED Combination Headlamp - High/Low Beam and Indicator/Position

Combination headlamp with all functions in LED technology. For horizontal mounting, with die-cast aluminium housing, lens made of scratch-resistant polycarbonate, with 6-pin DEUTSCH connector, light functions: low and high beam, position light and indicator.



1LL 012 758-131		HIGH/LOW BEAM
Mounting	3 point mount, screw adjusters included.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.	
Power Consumption	High beam:	30W
	Low beam:	20W
Protection	IP 6K4K (Protection against dust and high-pressure water splash) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Connection	4 pole DT socket	
Spare Parts	8KW 959 772-861	4 pole DT plug kit (included)
	9AH 205 652-111	Mounting frame
Compliance	(E) 4209 Ref. 12.5 ECE R112/01	

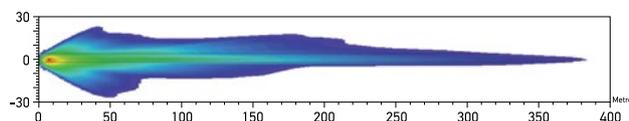
Bi-LED 90mm 2nd Generation High/Low Beam Headlamp

LED high/low beam headlamp featuring a generous spread of light and strong high beam for the open road. Low power consumption and ultra long life equates to economical running costs compared to a bulb lamp. Exceptional white light output and extremely homogeneous illumination for reduced driver eye strain which means greater safety. Complete with 4 screw adjusters and DT plug.



9AH 205 652-111

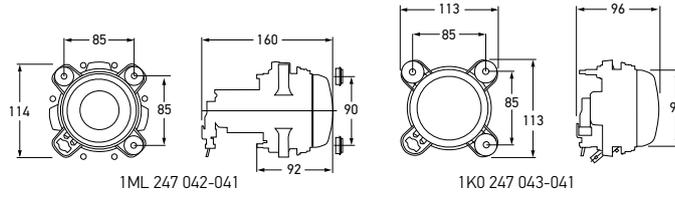
1LL 012 758-131 High Beam distance. (m)



H1 Headlamp - 24 Volt

H1 headlamps with die cast aluminium reflector and hardened glass lens.

HEADLAMPS & INSERTS



1ML 247 042-041	1029H124V	LOW BEAM
1K0 247 043-041	1030H124V	HIGH BEAM

Bulbs to Suit	Low/High Beam:	12V 8GH 002 089-122	24V 8GH 002 089-281
	Position:	8GP 002 067-124	8GP 002 067-245
Spare Parts	9XX 254 163-007	Headlamp adjuster (Pack of 3)	
	9GH 152 654-007	Rear cap	
	8JD 156 150-811	Two pole plug with terminals and seals for position lamp	
	9AH 254 228-013	Mounting frame	

Compliance (E) 2397 Low Beam (E) 2398 High Beam



1K0 247 043-041



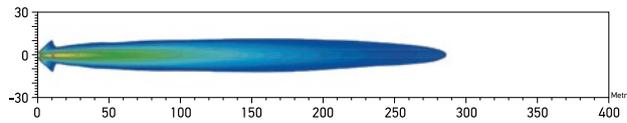
9AH 254 228-013

8JD 156 150-811

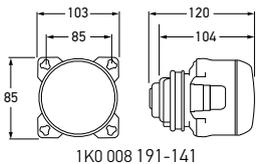
9GH 152 654-007

9XX 254 163-007

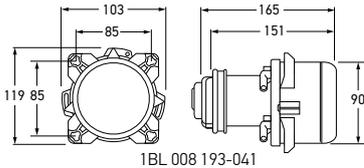
1K0 247 043-041 High Beam distance. (m)



HEADLAMPS AND INSERTS



1K0 008 191-141



1BL 008 193-041

H7 Headlamp - 24 Volt

Compact H7 headlamps with glass lens for buses, coaches and mobile homes. Includes headlamp adjusters.

1BL 008 193-041	102924V	LOW BEAM
1K0 008 191-141	103024V	HIGH BEAM

Bulbs to Suit	12V	24V
	Low/High Beam: Position:	8GH 007 157-131 8GP 002 067-124

Spare Parts	9XB 152 977-001	Headlamp adjuster (Pack of 3)
	9GH 152 654-007	Rear cap
	8JD 156 150-811	Two pole plug with terminals and seals for position lamp
	9AH 157 659-002	Mounting frame

Compliance (E) 917



HEADLAMPS & INSERTS



9XB 152 977-001

9GH 152 654-007

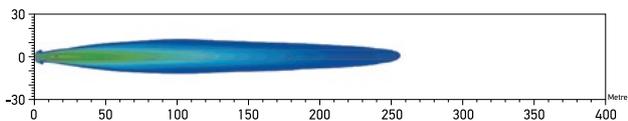
8JD 156 150-807

9AH 157 659-002



1K0 008 191-141

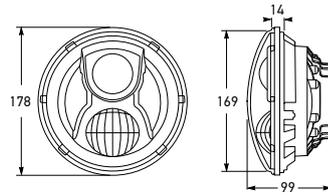
1K0 008 191-141 High Beam distance. (m)



**7" Round LED Headlamps
- High/Low Beam and Daytime
Running Lamp/Front Position**

The high/low beam function of the 7" LED headlamp range offers 1150/750 lumen light output and a wide spread creating a superior light distribution increasing peripheral vision. With the added feature of Daytime Running Lamps and Front Position Lamps the 1L6 958 307-011 is a one-stop-shop for all headlight needs, increasing visibility and therefore safety on the road.

Combining the latest state of the art LED technology, multivoltage 12/24V DC circuit design and precision optics, the retrofit lamps provide outstanding visibility, safety, and durability – making them one of the most advanced 7" LED headlamps available. The tough die-cast aluminium housing is IP 67 sealed against water and dust ingress with a UV resistant, hard coated polycarbonate lens making the HELLA's 7" Round LED Headlamp range perfect for use on and off-road.



1L6 958 307-001	1056LED		
1L6 958 307-011	1058LED (Dual Burn - Daytime Running Lamp/Front Position)		
Mounting	Retrofit 178 Ø (7") headlamps		
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.		
Light Output	1L6 958 307-001	1L6 958 307-011	
	High Beam: 1150 lumen Low Beam: 750 lumen	High Beam: 1340 lumen Low Beam: 694 lumen	
Protection	Reverse polarity protection. IP 67 (Protection against dust and high pressure water jets)		
Housing Material	Die-cast Aluminium		
Lens Material	Coated polycarbonate		
Power Consumption	1L6 958 307-001	1L6 958 307-011	
	High Beam: 35W Low Beam: 25W	High Beam: 45W Low Beam: 24W Daytime Running Lamp: 19W Front Position: 2W	
Cable Length	3 PIN "H4" type male plug (100mm cable) and 2 additional 100mm pre-wired cables with male blade terminals for front position and daytime running lamp functions.		
Compliance	1L6 958 307-001	1L6 958 307-011	
	ECE R112/01 Ref. 12.5 (E11) 7581	ECE R112/01 Ref. 20 (E11) 50146 ECE R87/00 ECE R7/02 ECE R10/05	



1L6 958 307-001



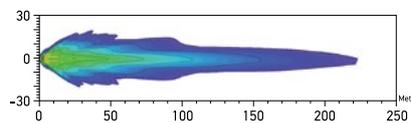
1L6 958 307-011

1L6 958 307-011 LAMP FUNCTIONS

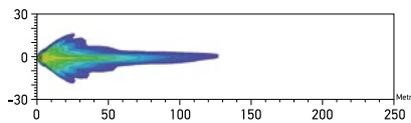


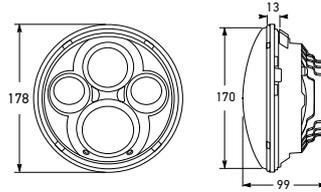
Daytime Running Lamp Front position

High Beam distance. (m)



Low Beam distance. (m)





7" Round LED Headlamp - High Beam

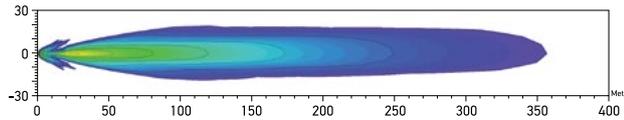
This 7" Round LED Headlamp features a high beam function with a massive 1440 lumen light output for only 60W. Combining the latest state of the art LED technology, multivoltage 12/24V DC circuit design and precision optics, the retrofit lamps provide outstanding visibility, safety, and durability – making them one of the most advanced 7" LED headlamps available. The tough die-cast aluminium housing is IP67 sealed against water and dust ingress with a UV resistant, hard coated polycarbonate lens making the HELLA's 7" Round LED Headlamp range perfect for use on and off-road.

1L6 958 307-021	1358LED
Mounting	Retrofit 178 Ø (7") headlamps
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems.
Power Consumption	60W
Light Output	1440 lumen
Operating Temperature	-40°C to 65°C
Protection	Reverse polarity protection. IP 67 (Protection against dust and high pressure water jets)
Cable Length	2 x 100mm cables with male blade terminals.
Housing Material	Die-cast Aluminium
Lens Material	Coated polycarbonate
Compliance	Ⓔ1) 7501 ECE R112/01 Ref. 30

HEADLAMPS & INSERTS

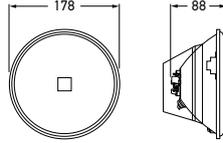


1L6 958 307-021 High Beam distance. (m)



7" (178mm) H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with sealing cap.



1L6 002 395-021	1056
Bulbs to Suit	12V Headlamp: 8GJ 980 324-001
	24V 8GJ 980 324-021
Compliance	E4 53

Where front position lamp is required, use 1L6 002 395-131.



Rear view

7" (178mm) H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with front position lamp bulb holder (includes 8GP 002 067-124 bulb) and sealing boot.



1L6 002 395-131	1058
Bulbs to Suit	12V Headlamp: 8GJ 980 324-001
	24V 8GJ 980 324-021
	Front position: 8GP 002 067-124
Compliance	E4 53



Rear view

7" (178mm) H4 Halogen High/Low Beam Insert - Hardened Glass

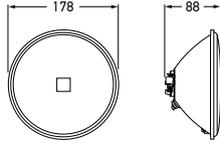
High performance Halogen headlamp insert fitted with extremely robust hardened glass lens providing maximum resistance when subjected to high operating temperatures and thermal shock. Ideal for 24 volt and high wattage bulb applications. Supplied complete with sealing boot and front position lamp bulb holder assembly.



1L6 002 395-261	1058HD
Bulbs to Suit	12V Headlamp: 8GJ 980 324-001
	24V 8GJ 980 324-021
	Front position: 8GP 002 067-124
Compliance	E4 53



Rear view



7" (178mm) H3 Halogen Driving Lamp Insert

Suitable for use as high beam headlamp in most 7" round headlamp carriers.

9DS 113 469-001	9135801
Bulbs to Suit	12V Headlamp: 8GH 980 333-001
	24V 8GH 002 090-261
Compliance	(E1) 14529



HEADLAMPS & INSERTS

7" (178mm) Chrome Rim

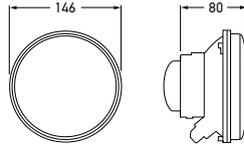
Outer chrome rim to suit 7" headlamp housing.

9AB 912 420-511	1017	CHROME RIM
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5 3/4" (146mm) H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with front position lamp bulb holder (includes 8GP 002 067-124 bulb) and sealing boot. Suitable for dual headlamp systems.



1L3 002 850-064

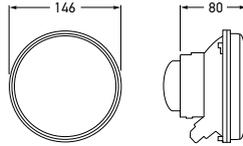
1055

Bulbs to Suit	12V	24V
	Headlamp: 8GJ 980 324-001	8GJ 980 324-021
	Front position: 8GP 002 067-124	8GP 002 067-245
Spare Parts	9FF 138 397-001	Front position bulb holder
	9GH 126 647-011	Sealing boot
Compliance	E1 17031	



Rear view

Sealing boot



5 3/4" (146mm) H1 Halogen High Beam Insert

Semi-sealed headlamp, for high beam section of dual headlamp systems with sealing boot.



1K3 114 155-021	1053		
Bulbs to Suit		12V	24V
	Headlamp:	8GH 002 089-122	8GH 002 089-281
Spare Part	9GH 113 763-001	Sealing boot	
Compliance	Ⓔ 14464		
Earth terminal is a 'Post' (bullet) type connection.			



Rear view

Sealing boot

5 3/4" (146mm) H1 Halogen Long Range Driving Insert

Semi-sealed headlamp, for high beam section of dual headlamp systems and sealing boot.



1K3 002 425-193	1040		
Bulbs to Suit		12V	24V
	Headlamp:	8GH 002 089-122	8GH 002 089-281
Spare Part	9GH 113 763-001	Sealing boot	

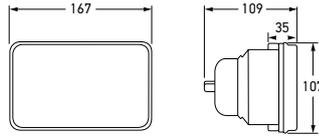


Rear view

Sealing boot

**165 x 100mm H4 Halogen
High/Low Beam Insert**

Semi-sealed headlamp and front position lamp with sealing boot.



1LB 003 177-511	1044		
Bulbs to Suit		12V	24V
	Headlamp:	8GJ 980 324-001	8GJ 980 324-021
	Front position:	8GP 002 067-124	8GP 002 067-245
Compliance	E1 7197		



Rear view

**165 x 100mm H4 Halogen
High/Low Beam Insert**

Semi-sealed headlamp with sealing boot and wiring adaptor.



1LB 003 177-301	1042		
Bulbs to Suit		12V	24V
	Headlamp:	8GJ 980 324-001	8GJ 980 324-021
Spare Part	9GH 126 647-011	Sealing boot	
Compliance	E1 7197		



Rear view



Sealing boot

**165 x 100mm H1 Halogen
High Beam Insert**

Semi-sealed headlamp with sealing cap.



1KB 003 177-061	1041		
Bulbs to Suit		12V	24V
	Headlamp:	8GH 002 089-122	8GH 002 089-281
Compliance	E1 24504		



Rear view



1LE 003 427-041	1043	
Bulbs to Suit	12V	24V
	Headlamp: 8GJ 980 324-001	8GJ 980 324-021
	Front position: 8GP 002 067-124	8GP 002 067-245
Spare Parts	9FF 138 397-001 9GH 126 647-011	Front position bulb holder Sealing boot
Compliance	(E1) 17009	(E1) 17119

200 x 142mm H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with front position lamp bulb holder (includes 8GP 002 067-124 bulb).



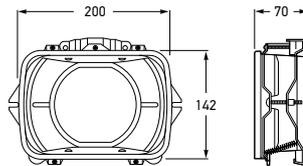
Rear view

Sealing boot

HEADLAMPS & INSERTS

Rectangular Headlamp Housing

Suits 200 x 142mm rectangular headlamp units (1LE 003 427-041). Ideal for truck, bus or body builders.

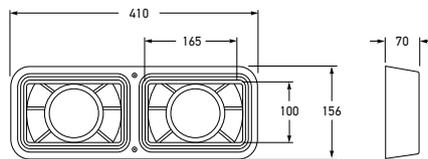


1VE 905 153-001	1024	
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Twin Rectangular Headlamp Housing

For most 165 x 100mm rectangular headlamp units. Chrome plated outer rim. Complete with adjusting mechanisms for vertical/horizontal alignment and wiring loom. Ideal for truck, bus or body builders.

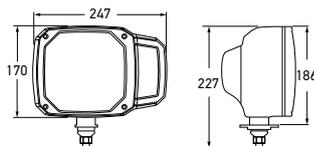


1VB 950 951-001	1025	
Spare Part	9AB 905 931-001	Chrome plated outer rim



Headlamp H4 - High/Low Beam and Indicator/Position

The Headlamp H4 is a robust headlamp in a universal, stylish design. The headlamp is equipped with a die-cast aluminium reflector and a borosilicate lens which provides thermal shock resistance. With its flexible design, upright mounting is possible with a 6-pin DT connector (which is integrated into the housing).



1LA 328 450-311		LEFT HAND
1LA 328 450-321		RIGHT HAND
Mounting	Single bolt mount, upright.	
Bulbs to Suit	12V	24V
Dipped/Main beam:	8GJ 980 324-001	8GJ 980 324-021
Indicator:	8GA 002 073-163	8GA 002 073-245
Position:	8GP 002 067-124	8GP 002 067-245
Protection	IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Accessories	8JA 959 736-801 6 pole DT plug, wedge and 6 contacts	
Compliance	E9 16338/16339	

1L6 958 307-011 LAMP FUNCTIONS



Right hand

Left hand

DAF Headlamp

CF65/75/85 LF45/55, XF95/105 01/01-05-13



HEADLAMP (H1/H7)		
1LJ 247 046-071		LEFT HAND
1LJ 247 046-081		RIGHT HAND
Bulbs to Suit	Low Beam:	8GH 007 157-244
	High Beam:	8GH 002 089-281
Compliance	E1 1134	

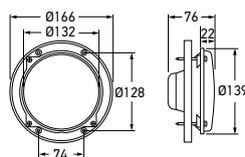
139mmØ H4 Headlamp with Frame



1L3 996 002-221

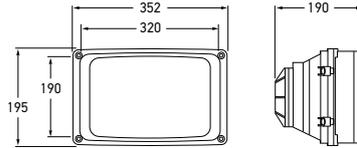


1L3 996 002-411



1L3 996 002-221		
1L3 996 002-411	with Front Position	
Bulbs to Suit	12V	24V
Headlamp:	8GJ 980 324-001	8GJ 980 324-021
Front Position:	8GP 002 067-124	8GP 002 067-245
Compliance	E12 20005	

HEADLAMPS AND INSERTS



H4 Halogen High/Low Beam Headlamp Assembly

Lamp unit, lens dimensions 352 x 195mm, complete with mounting frame and adjusting mechanisms for vertical and horizontal alignment. Fully enclosed housing with removable rear sealing cap for bulb replacement access. Ideal for truck, bus or body builders.



1LG 003 434-182	1027	
Mounting	Simple four point mounting.	
Bulbs to Suit	12V Headlamp: 8GJ 980 324-001 Front position: 8GP 002 067-124	24V 8GJ 980 324-021 8GP 002 067-245
	Spare Parts	9ES 122 221-001 Clear lens 9DE 131 520-012 Reflector
Compliance	Ⓔ 17016	

HEADLAMPS & INSERTS

HID Gas Discharge (G3) Power Pack

5DV 007 760-631		12 VOLT
5DV 007 810-171		24 VOLT
To Suit	D2S and D2R Bulbs	



HID Gas Discharge (G4) Power Pack

5DV 008 855-001		12 VOLT
To Suit	D1S and D1R Bulbs	



HID Gas Discharge Ignitor

5DD 008 319-501		12/24 VOLT
To Suit	D2S and D2R Bulbs	





BE SAFE BE SEEN

HELLA SAFETY DAYLIGHTS™

HELLA Safety DayLights™ are forward facing signal lamps that significantly enhance the visibility of your vehicle during daylight hours to prevent vehicle crashes by 'accidental oversight'.

Safety DayLights™ automatically switch ON when the ignition is switched ON and automatically switch OFF when the headlamps are turned ON in order not to dazzle other road users at night.

Why Install HELLA Safety DayLights™?

As road users we have all experienced the 'fright second' of a near miss by being overlooked by another car, van or truck.

Equally frightening is almost not noticing another vehicle approaching due to an inconspicuous vehicle colour, the low sun casting harsh shadows or sun strike. Any single one of these 'fright seconds' has the potential to end in a tragic outcome and become a number in the road toll statistics.

Why can't I just switch on my headlamps?

Dipped beam headlamps are designed to effectively light up the road in front of the vehicle during darkness, whilst causing as little glare as possible to oncoming traffic.

During daytime, dipped beam headlamps 'waste' most of their light directed to the road in front of the vehicle but provide very little as a signal to other road users in bright daylight. Using your dipped beam headlamps during daylight hours has only a marginal added safety effect.



Failure to see another road user contributes to over 50% of all daytime accidents.



For daytime intersection accidents this increases to as much as 80%.



Source: The Safety Effects of Daytime Running Lights, SWOV, 1997

Low Beam Headlamps



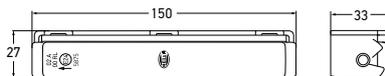
Designed to light the road at night without causing glare to other road users.

HELLA LED Safety DayLights™



Designed to increase the visibility (conspicuity) of your vehicle during daylight hours.

SAFETY DAYLIGHTS™



2PT 980 970-801	5636	12 VOLT
2PT 980 970-802	5636BL (Blister Pack)	
2PT 980 970-851	563624V	24 VOLT
Mounting	Suitable for horizontal mounting.	
Power Consumption	2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.	
Lens Material	High impact acrylic.	
Compliance	ADR 76/00	E24 5875 ECE R87/00
Kit Contents	2PT 980 970-801/ 2PT 980 970-851 2 x LED Safety DayLights™ 2 x Mounting brackets 6 x Mounting screws 1 x Changeover relay 1 x Instruction sheet	2PT 980 970-802 2 x LED Safety DayLights™ 2 x Mounting brackets 6 x Mounting screws 1 x Advanced smart controller relay 1 x Terminal kit 1 x Instruction sheet
See page 95 for front position relay option.		

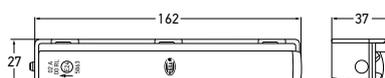
LED Safety DayLights™ Kit - Easy-Fit

Forward facing signal lamps, designed to be mounted on vehicles with flat fronts, or on motorbikes. The lamps are an Easy-Fit installation, usually requiring no extra parts. Once the wiring is complete and the bracket is fitted, the LED lamp easily clips into place and installation is complete.



2PT 980 970-802

SAFETY DAYLIGHTS™



2PT 980 860-841	5630	12 VOLT
2PT 980 860-842	5630BL (Blister Pack)	
2PT 980 860-871	563024V	24 VOLT
2PT 980 860-872	563024VBL (Blister Pack)	
Mounting	Suitable for horizontal mounting.	
Power Consumption	2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.	
Lens Material	High impact acrylic.	
Compliance	ADR 76/00	E24 5863 ECE R87/00
Kit Contents	2PT 980 860-841/ 2PT 980 860-871 2 x LED Safety DayLights™ 2 x Mounting brackets 6 x Mounting screws 1 x Changeover relay 1 x Instruction sheet	2PT 980 860-842/ 2PT 980 860-872 2 x LED Safety DayLights™ 2 x Mounting brackets 6 x Mounting screws 1 x Advanced smart controller relay 1 x Terminal kit 1 x Instruction sheet
See page 95 for front position relay option.		

LED Safety DayLights™ Kit - 15°

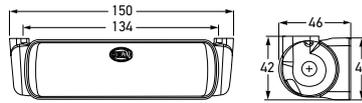
A lens angle of 15 degrees allows installation as close as possible to the corners of a modern motor vehicle. These lamps were designed to fit the curved bumpers of modern vehicles to give the look of Original Equipment fitment. The lamps have extremely low power consumption at 2W per lamp and high impact acrylic lenses to protect against impact damage.



2PT 980 860-842

**LED Safety DayLights™ Kit
- Rectangular**

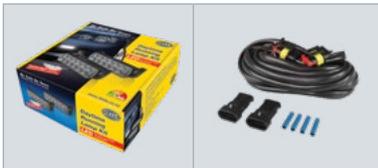
Rectangular shaped ultra light lamps offering maximum visibility in road traffic during the day. Features lightweight housing, universal mounting bracket and ultra-durable Grilamid® nylon lens for extreme impact, UV and chemical resistance. Easy wiring requiring only 3 connections, earth (-), ignition (+) and position lamps (+). (No extra relay required).



SAFETY DAYLIGHTS™



2PT 980 670-831	5617	
2PT 980 670-812	56170E	
Mounting	Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts.	
Power Consumption	<2W	
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Spare Part	2PT 980 670-002	Single lamp (with 0.5m of multi-core cable)
Cable Length	2PT 980 670-831	Pre-wired with 0.5m of multi-core cable.
	2PT 980 670-812	Pre-wired with 2.5m of multi-core cable.
Lens Material	High impact and chemical resistant Grilamid® lens	
Compliance	ADR 76/00	E24 0002 ECE R87/00



2PT 980 670-831

Wiring harness and super seal connectors.

2PT 980 670-831 Kit Contents:

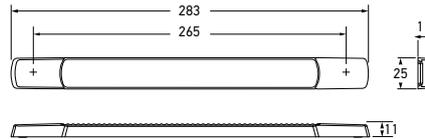
- 2 x LED Safety DayLights™
- 1 x Professional wiring harness and super seal connectors
- 4 x Mounting brackets and fasteners
- 1 x Instruction sheet



2PT 980 670-812

2PT 980 670-812 Kit Contents:

- 2 x LED Safety DayLights™ with 2.5m sheathed multi-core cable.
- 4 x Mounting brackets and fasteners
- 1 x Instruction sheet



2PT 980 880-801	5619 (Horizontal Mount - Kit)	12 VOLT
2PT 980 880-901	5619V (Vertical Mount - Kit)	
2PT 980 880-001	1009 (Horizontal Mount - Single Lamp)	
2PT 980 880-012	1009BL (Horizontal Mount - Blister Pack)	24 VOLT
2PT 980 880-851	561924V (Horizontal Mount - Kit)	
2PT 980 880-951	5619V24V (Vertical Mount - Kit)	
2PT 980 880-101	100924V (Horizontal Mount - Single Lamp)	
2PT 980 880-112	100924VBL (Horizontal Mount - Blister Pack)	
Mounting	Suitable for horizontal or vertical surface mount. (Select correct version) Mounting surface must be flat.	
Power Consumption	3W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. Blister pack is pre-wired with 0.5m of sheathed multi-core cable.	
Spare Parts	9HD 980 885-017 Charcoal screw caps (Pack of 4) 9HD 980 885-107 Chrome plated screw caps (Pack of 4)	
Lens Material	High impact and chemical resistant Grilamid® lens	
Compliance	ADR 76/00 E24 5869 ECE R87/00	
Kit Contents	2 x LED Safety DayLights™ 4 x Mounting screws 4 x Screw caps 1 x Changeover relay 1 x Instruction sheet	

See page 95 for front position relay option.

LED Safety DayLights™ Kit - Surface Mount

Surface mount LED Safety DayLights™ designed to fit flat-fronted vehicles. Comes either as a single lamp, or as a kit. The lamp is ADR compliant and features a Grilamid® lens to protect against impact damage.



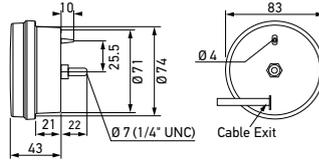
Ultra slim height of only 11mm. Lamp shown active.



2PT 980 880-012 (Single)

83mm Round LED Safety DayLights™

The lamp features a traditional round lens that illuminates with a distinctive ring of white LEDs when used as a Safety DayLight™. 2PT 980 690-401 also features a front position function.



2PT 980 687-501	1006	12 VOLT
2PT 980 686-401	100724V (Includes Front Position Lamp)	24 VOLT
Mounting	Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied.	
Power Consumption	Safety DayLights™: 5W Front position: 1W (2PT 980 690-401 only)	
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.	
Lens Material	High impact and chemical resistant Grilamid® lens	
Compliance	2PT 980 687-501 2PT 980 686-401: E24 5921 ECE R87/01 2PT 980 686-401 also: ECE R7/03	

See page 66 for mounting accessories.

83MM LAMP FUNCTIONS

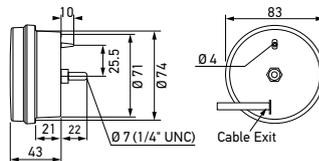


LED Safety DayLights™

Front position (2PT 980 686-401 only)

83mm Round LED Safety DayLights™/Front Position/ Front Direction Indicator Lamp

This LED combination lamp features an integrated Safety DayLight™, front position and front direction indicator function. The lamp features a traditional round lens that illuminates with a distinctive ring of white LEDs when used as a Safety DayLight™. This lamp eliminates the need for installation of multiple lamps. Front position lamp and front direction indicator will extinguish the Safety DayLight™ automatically.



2BE 980 687-111	2108GMD	12 VOLT												
2BE 980 686-011	2108GMD24V	24 VOLT												
Mounting	Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied.													
Power Consumption	<table border="0"> <tr> <td>Safety DayLights™:</td> <td>2BE 980 687-111</td> <td>2BE 980 686-011</td> </tr> <tr> <td>Front position:</td> <td>5W</td> <td>5W</td> </tr> <tr> <td>Front indicator:</td> <td>1W</td> <td>1W</td> </tr> <tr> <td></td> <td>4W</td> <td>5W</td> </tr> </table>		Safety DayLights™:	2BE 980 687-111	2BE 980 686-011	Front position:	5W	5W	Front indicator:	1W	1W		4W	5W
Safety DayLights™:	2BE 980 687-111	2BE 980 686-011												
Front position:	5W	5W												
Front indicator:	1W	1W												
	4W	5W												
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)													
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.													
Lens Material	High impact and chemical resistant Grilamid® lens													
Compliance	E24 5921 ECE R6/02 ECE R7/03 ECE R87/01													

See page 66 for mounting accessories.

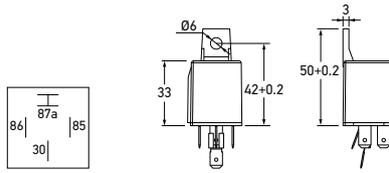
83MM LAMP FUNCTIONS



LED Safety DayLights™

Front position

Front direction indicator



5DF 980 816-041	9563003	12 VOLT
5DF 980 816-061	9563603	
To Suit	5DF 980 816-041 5DF 980 816-061	2PT 980 880-001, 2PT 980 880-801, 2PT 980 860-841 2PT 980 970-801

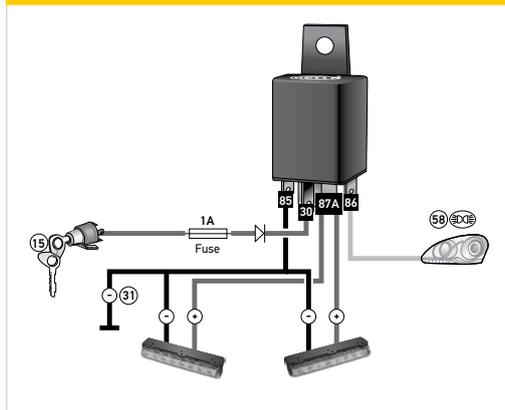
Dual Function Safety DayLights™ Controller

This controller is designed to turn your HELLA Safety DayLights™ into front position lamps at night. The dual function controller is connected and activated by the headlamp of the vehicle.

The dual function controller reduces the current to the Safety DayLights™ thus turning them into road legal* front position lamps. Only one controller is required for a pair of HELLA Safety DayLights™.

*Please note legally required spacing of front position lamps and only one pair of front position lamps is legally permitted.

RECOMMENDED INSTALLATION DIAGRAM FOR WIRING



WIRING SPECIFICATIONS

Terminal Number	Connect to
30	Ignition (+)
85	Earth return (-)
86	Front position or headlamps (+)
87A	Safety DayLights™ (+)



SAFETY DAYLIGHTS™

DESIGNED TO SIMPLIFY INSTALLATION

SAFETY DAYLIGHTS™ SMART CONTROLLER

HELLA's Safety DayLights™ Smart Controller is designed to simplify the installation of Safety DayLights™ by eliminating the need to connect the lamp, or changeover relay, to ignition terminal 15. The vehicle's ignition feed is typically used as a signal to turn Safety DayLights™ ON. Correctly identifying terminal 15 (Ignition) in the engine bay can be a difficult task on some vehicles, requiring specialised tools and in some cases the only solution is to route the wiring back through the fire wall into the vehicle cabin. This procedure can greatly increase the time and cost it takes to install Safety DayLights™. It can also be a daunting experience for the DIY-er not familiar with the electronic complexity of the modern vehicle.

The Safety DayLights™ Smart Controller reduces the installation complexity as it is directly connected to the positive terminal of the battery where it will sense that the vehicle engine has been activated.

The Safety DayLights™ Smart Controller uses advanced electronics that constantly monitor the voltage of the battery and other tell tale signs that the engine has been started. It will automatically switch the Safety DayLights™ ON. It will deactivate the Safety DayLights™ when the headlamps are turned ON or the engine is turned OFF (after a small delay).

Standard	5DF 980 818-001
Advanced*	5DF 980 818-011

*Advanced version with vibration monitor for installation in vehicles with fuel saving alternator.



5DF 980 818-001



5DF 980 818-011



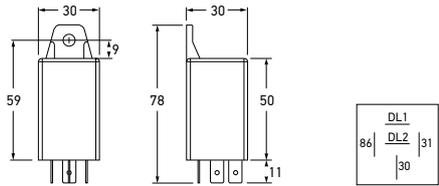
Designed to simplify installation saving time and install costs.



For more information about the Safety DayLights™ Smart Controller and the full product range of Safety DayLights™ please visit

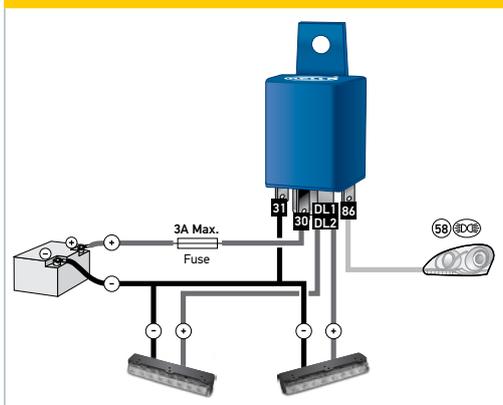
www.safetydaylights.com





5DF 980 818-011	3090	
5DF 980 818-017	3090BULK	
Voltage	Multivolt™, suitable for 12 and 24 volt systems.	
Maximum Continuous Load	20W	
To Suit	HELLA LED Safety DayLights™ range.	
Features a Safety DayLights™ OFF delay of approximately 10 seconds.		

RECOMMENDED INSTALLATION DIAGRAM FOR WIRING



Terminal Number	Connect to
30	Battery (+)
31	Earth return (-)
86	Front position or headlamps (+)
DL1 & DL2	Safety DayLights™ (+)

Safety DayLights™ Smart Controller - Advanced*

This smart controller is designed to simplify the installation of HELLA's LED Safety DayLights™ range by eliminating the need to wire the lamp, or changeover relay to ignition terminal 15.

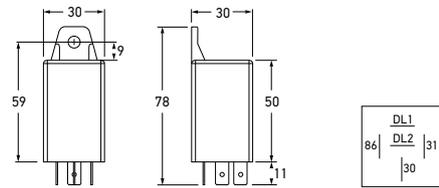
The Safety DayLights™ Smart Controller can be wired directly to the positive terminal of the battery, which saves the difficult and often time consuming task of finding the ignition feed.

The smart controller monitors the voltage supply from the battery and will automatically switch the Safety DayLights™ on when the engine is started, and automatically switch them off when the headlamps are activated, or the engine is turned off.

*Advanced version with vibration monitor for installation in vehicles with fuel saving alternators.

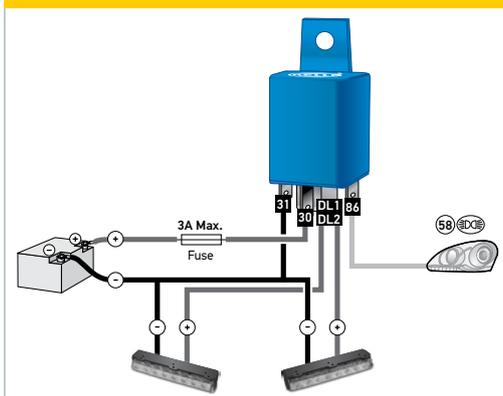


SAFETY DAYLIGHTS™



5DF 980 818-001	3091	
5DF 980 818-007	3091BULK	
Voltage	Multivolt™, suitable for 12 and 24 volt systems.	
Maximum Continuous Load	20W	
To Suit	HELLA LED Safety DayLights™ range.	
Features a Safety DayLights™ OFF delay of approximately 10 seconds.		

RECOMMENDED INSTALLATION DIAGRAM FOR WIRING



Terminal Number	Connect to
30	Battery (+)
31	Earth return (-)
86	Front position or headlamps (+)
DL1 & DL2	Safety DayLights™ (+)

Safety DayLights™ Smart Controller - Standard

This smart controller is designed to simplify the installation of HELLA's LED Safety DayLights™ range by eliminating the need to wire the lamp, or changeover relay to ignition terminal 15.

The Safety DayLights™ Smart Controller can be wired directly to the positive terminal of the battery, which saves the difficult and often time consuming task of finding the ignition feed.

The smart controller monitors the voltage supply from the battery and will automatically switch the Safety DayLights™ on when the engine is started, and automatically switch them off when the headlamps are activated, or the engine is turned off.

