



LED signal lighting & ORIGINAL 12V Customer Presentation P13W, PS19W, PS24W, PSX24W

SP AML PPM - EM | December 2018 | Munich
Light is OSRAM

OSRAM

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LEDDriving® replacement lamps*

Portfolio Overview

EXTERIOR				INTERIOR	
LED forward lighting		LED signal lighting			
PREMIUM		PREMIUM	STANDARD	PREMIUM	STANDARD
					
HIGH & LOW BEAM LAMP (HL)	FOG LAMP (FL)	SIGNAL LAMP (SL)	SIGNAL LAMP (SL)	SIGNAL LAMP (SL)	SIGNAL LAMP (SL)
Cool White	Cool White	CW, WW, YE, R	CW, YE, R	CW, WW, YE, R, BL	CW, YE, R, BL, GR
P22d (≒HB4) ¹⁾ , PGJ19-2 (≒ H11) ¹⁾ , PX26d (≒ H7) ¹⁾ , P43t (≒ H4) ¹⁾		PGJ19 (≒ H8, H11, H16) ¹⁾ , PY20d (≒ H10) ¹⁾		BAY15d (≒ P21/5W), BAU15s (≒ PY21W), W2.1x9.5d (≒ W5W, WY5W, W16W), 2.5x16q (≒ P27/7W), W3x16q (≒ W21/5W), BA15s (≒ P21W),W3x16d (≒ W21W), BA9s (≒ T4W), PG18.5d-1 (≒ P13W), PG20-1 (≒ PS19W)	
				W2.1x9.5d (≒ W5W, WY5W, W16W), BA9s (≒ T4W), SV8.5-8 (≒ C5W)	

1) Available soon

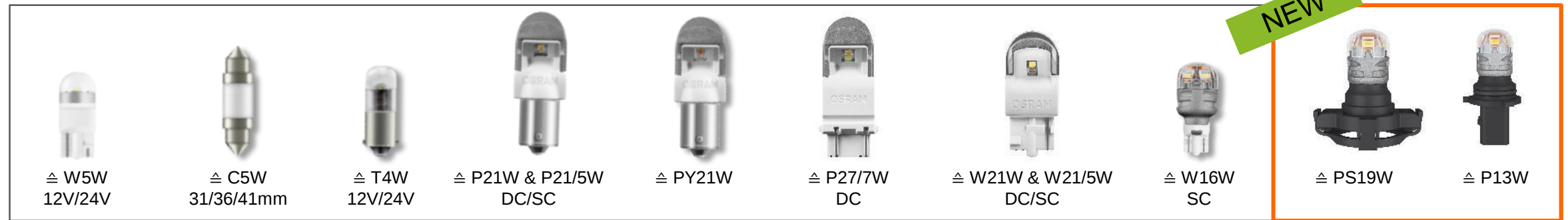
NEW

LEDDriving® replacement lamps*

Deep dive LED signal lighting

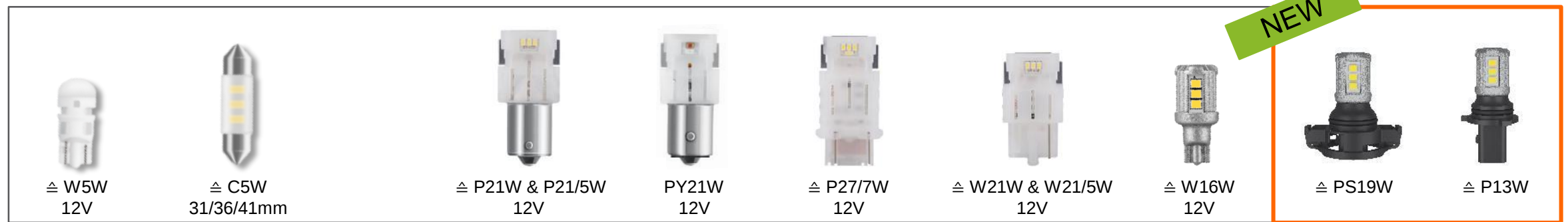
LEDDriving® PREMIUM SL:

State of the art SSL technology and intelligent product design offering highest levels of performance with superior durability.



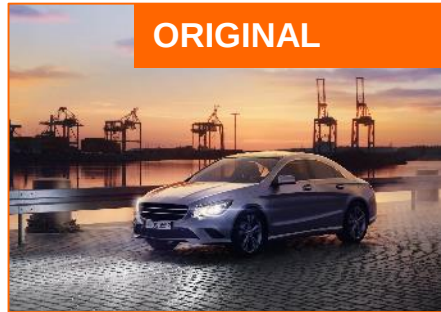
LEDDriving® SL:

Retrofits that are offering the modern LED-look at an affordable price without sacrificing on reliability.



HALOGEN

Car Signal Lighting Portfolio



OEM Quality
ORIGINAL LINE 12V



Longer Life and Four-year Guarantee
ULTRA LIFE



Bluish-white Light for Xenon Look
COOL BLUE®
INTENSE



Appealing
DIADEM®



Almost Invisible
DIADEM® CHROME

P21W, PY21W, P21/4W, P21/5W, T4W, W3W, W5W, WY5W, W16W, WY16W, WY21W, W21W, W21/5W, W2.3W, H6W, H21W, R5W, R10W, RY10W, C5W, P27W, P27/7W, PY27/7W, **PS19W**, **PS24W**, **PSX24W** and more.

P21W, PY21W, P21/5W, W5W, R5W, R10W, C5W, H6W, HY21W

W5W

PR21W, PR21/5W

PY21W, WY5W

NEW

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Range extension: PSX-types

Comparison of LEDriving® signal lamps with ORIGINAL LINE 12V (AUX)

	LEDriving® PREMIUM SL	LEDriving® SL	ORIGINAL LINE 12V
ECE Approval	no - offroad use only	no - offroad use only	Yes (E1)
Portfolio	△P13W, PS19W ¹⁾	△P13W, PS19W	PS19W, PS24W, PSX24W ¹⁾
Applications	Daytime running light (DRL), fog, reverse	Daytime running light (DRL)	Daytime running light (DRL), fog, reverse
Packaging	Folding box with one lamp	Folding box with one lamp	Folding box with one lamp
Guarantee	6 Years**	4 Years**	No
Light Color	6000 Kelvin	6000 Kelvin	2900 Kelvin
Lifetime Tc	5000 h	2000 h	1000 h
RRP incl. Germany	24,99€	18,99€	18,99 €

1) Further types are in discussion

Overview

Product listing data

PRODUCT FAMILY	PRODUCT NAME	REFERENCE TYPE	ORDER NUMBER	PACK-AGING	VOLT -AGE	BASE	KELVIN	GUARANTEE	IC WORLD	EAN10 WORLD	EAN40 WORLD
LED signal lamps	LEDriving® PREMIUM SL	△P13W	5828CW	FS	12V	PG18.5d-1	6000 K	6 Years*	AM2321300HA	4052899604964	4052899604971
LED signal lamps	LEDriving® PREMIUM SL	△PS19W	5301CW	FS	12V	PG20-1	6000 K	6 Years*	AM2321400HA	4052899605008	4052899605039
LED signal lamps	LEDriving® SL	△P13W	3828CW	FS	12V	PG18.5d-1	6000 K	4 Years*	AM2321100HA	4052899604988	4052899604995
LED signal lamps	LEDriving® SL	△PS19W	3301CW	FS	12V	PG20-1	6000 K	4 Years*	AM2321200HA	4052899605022	4052899605015

PRODUCT FAMILY	PRODUCT NAME	ECE TYPE	ORDER NUMBER	PACK-AGING	VOLT -AGE	BASE	KELVIN	GUARANTEE	IC WORLD	EAN10 WORLD	EAN40 WORLD
Auxiliary lamps	ORIGINAL LINE 12V	PS19W	5201	FS	12	PG20-1	2900 K	-	AM2237100JG	4052899600546	4052899600553
Auxiliary lamps	ORIGINAL LINE 12V	PS24W	5202	FS	12	PG20-3	2900 K	-	AM2237500JG	4052899600584	4052899600591
Auxiliary lamps	ORIGINAL LINE 12V	PSX24W	2504	FS	12	PG20-7	2900 K	-	AM2237600JG	4052899600560	4052899600577

Overview

Applications per base type

Application ECE/ BASE		Exterior												Interior											
		Front						Back						Side	Above	Front						Back			Side
		Low Beam	High beam	Fog	Position / Parking	DRL	Indicator	Brake	Tail	Reverse	Rear fog	Indicator	Number			Dome	Glove	Legroom	Reading	Make up	Engine	Dome	Reading	Trunk	
																									
12V	P13W PG18.5d-1					X																			
	PS19W PG20-1					X				X															
	PS24W PG20-3			X																					
	PSX24W PG20-7			X						X															

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LEDDriving® premium signal lamps

Light Comparison



LEDDriving® PREMIUM SL*

LED signal lamps

Features

- Cool White color temperature of 6,000 K
- Superior brightness
- Replaces conventional P13W, PS19W signal lamps (12V) for exterior applications
- Premium OSRAM quality made in Italy
- Long lifetime of up to 5,000h, shockproof and vibration-proof with up to 80% less energy consumption with low energy consumption

Benefits

- Daytime running light application
- Non-selective illumination thanks to homogenous light distribution
- Six-year guarantee**
- More durability and energy-efficiency



≙ PS19W



≙ P13W



LEDDriving® premium signal lamps

Product information

Pricing		Product Description
RRP	24,99€/pack	- Retrofit for traditional light sources offering customers the opportunity to upgrade their car with the latest LED technology - Providing a sophisticated and modern look with a color temperature of 6000K - Main application: Daytime Running Light
		Features / Unique Selling Proposition (USP)
		- Cool White color temperature of 6,000 K - Superior brightness - Replaces conventional P13W signal lamps (12V) for exterior applications - Premium OSRAM quality - Long lifetime of up to 5,000h, shockproof and vibration-proof with up to 80% less energy consumption with low energy consumption 6 year guarantee**

Key Technical Data		Logistical Data / Packaging			
Order number	5828CW		WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)
Corresponding ECE	P13W	Coding	AM2321300HA	4052899604964	4052899604971
Voltage	12V				
Wattage	2,1W	Packaging Unit	Folding box	1 lamp	10 lamps
Base	PG18.5d-1	Measurement (Length x Height x Width)			
Dimension (height, diameter)	47,8 x 15,9mm		-	35 x 35 x 48mm	184 x 77 x 56mm
Weight	11,5g				
Lifetime (L70Tc)	5000 h				
Color temperature	6000 Kelvin				

LEDDriving® premium signal lamps

Product information

Pricing		Product Description
RRP	24,99€/pack	- Retrofit for traditional light sources offering customers the opportunity to upgrade their car with the latest LED technology - Providing a sophisticated and modern look with a color temperature of 6000K - Main application: Daytime Running Light
		Features / Unique Selling Proposition (USP)
		- Cool White color temperature of 6,000K - Superior brightness - Replaces conventional PS19W signal lamps (12V) for exterior applications - Premium OSRAM quality - Long lifetime of up to 5,000h, shockproof and vibration-proof with up to 80% less energy consumption with low energy consumption 6 year guarantee**

Key Technical Data		Logistical Data / Packaging			
Order number	5301CW		WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)
Corresponding ECE	PS19W	Coding	AM2321400HA	4052899605008	4052899605039
Voltage	12V				
Wattage	2,1W	Packaging Unit	Folding box	1 lamp	10 lamps
Base	PG20-1	Measurement (Length x Height x Width)		35 x 35 x 48mm	184 x 77 x 56mm
Dimension (height, diameter)	42 x 15,5mm				
Weight	12g				
Lifetime (L70Tc)	5000h				
Color temperature	6000 Kelvin				

LEDDriving® signal lamps

Light Comparison



LEDDriving® SL*

LED signal lamps

Features

- Cool White color temperature of 6,000 K
- High brightness
- Replaces conventional P13W, PS19W signal lamps (12V) for exterior applications
- OSRAM quality made in Italy
- Long lifetime of up to 2,500h with low energy consumption

Benefits

- Daytime running light application
- Non-selective illumination thanks to homogenous light distribution
- Easy installation
- Four-year guarantee**
- Durable and energy efficient



≙ PS19W



≙ P13W



LEDDriving® signal lamps

Product information

Pricing		Product Description
RRP	18,99€/pack	- Retrofit for traditional light sources offering customers the opportunity to upgrade their car with the latest LED technology - Providing a sophisticated and modern look with a color temperature of 6000K - Main application: Daytime Running Light
		Features / Unique Selling Proposition (USP) - Cool White color temperature of 6,000 K - Superior brightness - Replaces conventional P13W signal lamps (12V) for exterior applications - OSRAM quality - Long lifetime of up to 2,000h, shockproof and vibration-proof with up to 80% less energy consumption with low energy consumption 4 year guarantee**

Key Technical Data		Logistical Data / Packaging			
Order number	3828CW		WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)
Corresponding ECE	P13W	Coding	AM2321100HA	4052899604988	4052899604995
Voltage	12V	Packaging Unit	Folding box	1 lamp	10 lamps
Wattage	1,6W	Measurement (Length x Height x Width)	-	35 x 35 x 48mm	184 x 77 x 56mm
Base	PG18.5d-1				
Dimension product (height, diameter)	48,3 x 15,2mm				
Weight	10,5g				
Lifetime (L70Tc)	2000h				
Color temperature	6000 Kelvin				

LEDDriving® signal lamps

Product information

Pricing		Product Description			
RRP	18,99€/pack	- Retrofit for traditional light sources offering customers the opportunity to upgrade their car with the latest LED technology - Providing a sophisticated and modern look with a color temperature of 6000 K - Main application: Daytime Running Light			
		Features / Unique Selling Proposition (USP) - Cool White color temperature of 6,000 K - Superior brightness - Replaces conventional PS19W signal lamps (12V) for exterior applications - OSRAM quality - Long lifetime of up to 2,000h, shockproof and vibration-proof with up to 80% less energy consumption with low energy consumption 4 year guarantee**			
Key Technical Data		Logistical Data / Packaging			
Order number	3301CW	Coding	WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)
Corresponding ECE	PS19W		AM2321200HA	4052899605022	4052899605015
Voltage	12V				
Wattage	1,6W	Packaging Unit	Folding box	1 lamp	10 lamps
Base	PG20-1	Measurement (Length x Height x Width)		35 x 35 x 48mm	184 x 77 x 56mm
Dimension (height, diameter)	42,5 x 15,2mm				
Weight	11g				
Lifetime (L70Tc)	2000h				
Color temperature	6000 Kelvin				

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ORIGINAL LINE 12V

PS19W, PS24W, PSX24W

Features

- Spare parts that exceed all ECE minimum standards
- Wide product range

Benefits

- Premium quality
- Suitable for the most common applications



ORIGINAL LINE 12V

PS19W – Product Introduction

Pricing		Product Description																
RRP	18,99€/pack	Convincing performance for standard requirements, robust and cost-effective: Successfully used in millions of new cars from renowned manufacturers, whether as standard initial equipment or original spare parts.																
		Features / Unique Selling Proposition (USP) • Suitable for DRL front, reverse, bending light applications • Excellent value for money																
Key Technical Data		Logistical Data / Packaging																
Order number	5201	<table><tr><th></th><th>WORLD IC</th><th>WORLD EAN 10 (FS)</th><th>WORLD EAN 40 (VS)</th></tr><tr><td>Coding</td><td>AM2237100JG</td><td>4052899600546</td><td>4052899600553</td></tr><tr><td>Packaging Unit</td><td>Folding box</td><td>1 lamp</td><td>100 lamps</td></tr><tr><td>Dimensions packaging (Height x Width x Depth)</td><td></td><td>58 x 34 x 34 mm</td><td>129 x 356 x 186 mm</td></tr></table>		WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)	Coding	AM2237100JG	4052899600546	4052899600553	Packaging Unit	Folding box	1 lamp	100 lamps	Dimensions packaging (Height x Width x Depth)		58 x 34 x 34 mm	129 x 356 x 186 mm
	WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)															
Coding	AM2237100JG	4052899600546	4052899600553															
Packaging Unit	Folding box	1 lamp	100 lamps															
Dimensions packaging (Height x Width x Depth)		58 x 34 x 34 mm	129 x 356 x 186 mm															
ECE	PS19W																	
Voltage, Wattage	12 V, 19 W																	
Base	PG20-1																	
Dimensions lamp (height x diameter)	45,0 x 15,0 mm																	
Weight lamp	9,5 g																	
V Test, W In	13,5 V, max. 20 W																	
Luminous flux @ 13,5 V	350 ± 15% lm																	
Lifetime (B3/Tc @ 13,5 V)	500/1000 h																	
Country of origin	China																	

ORIGINAL LINE 12V

PS24W – Product Introduction

Pricing		Product Description																
RRP	18,99€/pack	Convincing performance for standard requirements, robust and cost-effective: Successfully used in millions of new cars from renowned manufacturers, whether as standard initial equipment or original spare parts.																
		Features / Unique Selling Proposition (USP) - Suitable for front fog applications - Excellent value for money																
Key Technical Data		Logistical Data / Packaging																
Order number	5202	<table><tr><td></td><td>WORLD IC</td><td>WORLD EAN 10 (FS)</td><td>WORLD EAN 40 (VS)</td></tr><tr><td>Coding</td><td>AM2237500JG</td><td>4052899600584</td><td>4052899600591</td></tr><tr><td>Packaging Unit</td><td>Folding box</td><td>1 lamp</td><td>100 lamps</td></tr><tr><td>Dimensions packaging (Height x Width x Depth)</td><td></td><td>58 x 34 x 34 mm</td><td>129 x 356 x 186 mm</td></tr></table>		WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)	Coding	AM2237500JG	4052899600584	4052899600591	Packaging Unit	Folding box	1 lamp	100 lamps	Dimensions packaging (Height x Width x Depth)		58 x 34 x 34 mm	129 x 356 x 186 mm
	WORLD IC		WORLD EAN 10 (FS)	WORLD EAN 40 (VS)														
Coding	AM2237500JG		4052899600584	4052899600591														
Packaging Unit	Folding box		1 lamp	100 lamps														
Dimensions packaging (Height x Width x Depth)			58 x 34 x 34 mm	129 x 356 x 186 mm														
ECE	PS24W																	
Voltage, Wattage	12 V, 24 W																	
Base	PG20-3																	
Dimensions lamp (height x diameter)	45,0 x 15,0 mm																	
Weight lamp	9,5 g																	
V Test, W In	13,5 V, max. 25 W																	
Luminous flux @ 13,5 V	500 +10/-20% lm																	
Lifetime (B3/Tc @ 13,5 V)	500/1000 h																	
Country of origin	China																	

ORIGINAL LINE 12V

PSX24W – Product Introduction

Pricing		Product Description			
RRP	18,99€/pack	Convincing performance for standard requirements, robust and cost-effective: Successfully used in millions of new cars from renowned manufacturers, whether as standard initial equipment or original spare parts.			
		Features / Unique Selling Proposition (USP) • Suitable for front fog, reverse applications • Excellent value for money			
Key Technical Data		Logistical Data / Packaging			
Order number	2504		WORLD IC	WORLD EAN 10 (FS)	WORLD EAN 40 (VS)
ECE	PSX24W				
Voltage, Wattage	12 V, 24 W	Coding	AM2237600JG	4052899600560	4052899600577
Base	PG20-7	Packaging Unit	Folding box	1 lamp	100 lamps
Dimensions lamp (height x diameter)	45,0 x 15,0 mm	Dimensions packaging (Height x Width x Depth)		58 x 34 x 34 mm	129 x 356 x 186 mm
Weight lamp	9.5 g				
V Test, W In	13,5 V, max. 25 W				
Luminous flux @ 13,5 V	500 +10/-15% lm				
Lifetime (B3/Tc @ 13,5 V)	500/1000 h				
Country of origin	China				

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Product Images

LEDDriving® PREMIUM SL and LEDDriving® SL



≙P13W



≙PS19W



≙ P13W



≙ PS19W

DOI

LEDDriving® SL

- osram-dam-6725392 (P13W, 3828CW)
- osram-dam-6725395 (PS19W, 3301CW)

LEDDriving® PREMIUM SL

- osram-dam-6725306 (P13W, 5828CW)
- osram-dam-6725309 (PS19W, 5301CW)

TYPE OF VISUAL PRODUCT IMAGE

USAGE RIGHTS

OSRAM & PARTNER

360 Degree Images

LEDDriving® PREMIUM SL and LEDDriving® SL



≙ P13W

Link:

https://sketchfab.com/models/8b64206aece847ee84c846c488b24a2c/embed?ui_controls=0&ui_infos=0



≙ PS19W

Link:

https://sketchfab.com/models/9d140d34d30343d481515551ebfd55/embed?ui_controls=0&ui_infos=0



≙ P13W

Link:

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≙ PS19W

Link:

https://sketchfab.com/models/553d157d4978417babcf93d0040468d5/embed?ui_controls=0&ui_infos=0

DOI

LEDDriving® SL

- osram-dam-6725392 (P13W, 3828CW)
- osram-dam-6725395 (PS19W, 3301CW)

LEDDriving® PREMIUM SL

- osram-dam-6725306 (P13W, 5828CW)
- osram-dam-6725309 (PS19W, 5301CW)

TYPE OF VISUAL

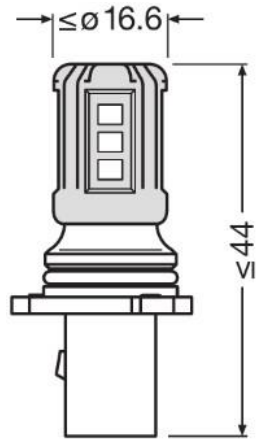
360 Degree Images
(click on picture)

USAGE RIGHTS

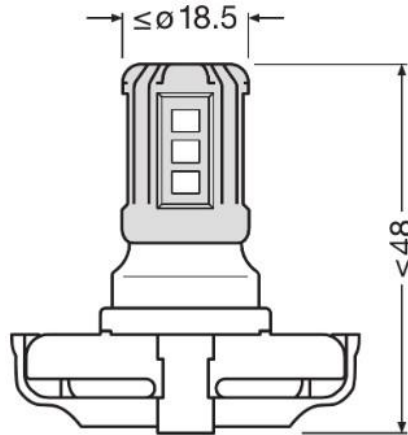
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LEDDriving® PREMIUM SL

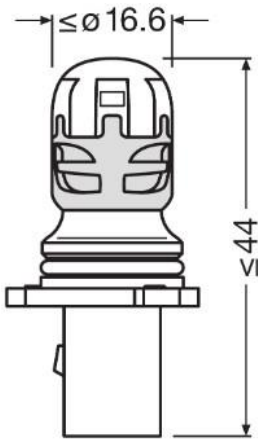
LEDDriving® SL - Technical Drawings



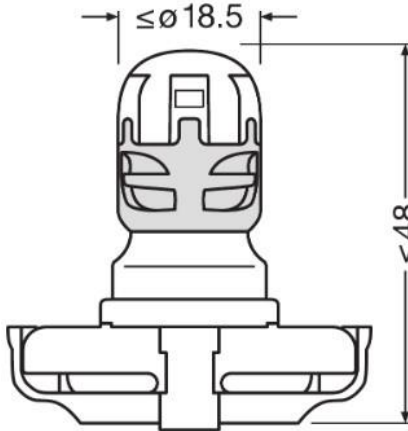
≙ P13W



≙ PS19W



≙ P13W



≙ PS19W

DOI

LEDDriving® SL

- osram-dam-6725383 (P13W, 3828CW)
- osram-dam-6725389 (PS19W, 3301CW)

LEDDriving® PREMIUM SL

- osram-dam-6725371 (P13W, 5828CW)
- osram-dam-6725377 (PS19W, 5301CW)

TYPE OF VISUAL

PRODUCT LINE DRAWING with numbers

USAGE RIGHTS

OSRAM & PARTNER

Beauty Shots

LEDDriving® PREMIUM SL and LEDDriving® SL



≙ P13W



≙ PS19W



≙ P13W



≙ PS19W

DOI

LEDDriving® SL

- osram-dam-7416143 (P13W, 3828CW)
- osram-dam-7416149 (PS19W, 3301CW)

LEDDriving® PREMIUM SL

- osram-dam-6725326 (P13W, 5828CW)
- osram-dam-6725329 (PS19W, 5301CW)

TYPE OF VISUAL BEAUTY SHOT

USAGE RIGHTS

OSRAM & PARTNER

Packaging Images

LEDDriving® PREMIUM SL and LEDDriving® SL



≙ P13W



≙ PS19W



≙ P13W



≙ PS19W

DOI

LEDDriving® SL

- osram-dam-7624839 (P13W, 3828CW)
- osram-dam-7624822 (PS19W, 3301CW)

LEDDriving® PREMIUM SL

- osram-dam-7624814 (P13W, 5828CW)
- osram-dam-7624796 (PS19W, 5301CW)

TYPE OF VISUAL PACKAGING IMAGE

USAGE RIGHTS OSRAM & PARTNER

Visuals

LEDDriving® PREMIUM SL and LEDDriving® SL



DOI

- osram-dam-7633874
- osram-dam-7556036

TYPE OF VISUAL APPLICATION IMAGE

USAGE RIGHTS OSRAM & PARTNER

Visuals

Non LED



DOI

- osram-dam-7392376
- osram-dam-7392417

TYPE OF VISUAL
APPLICATION IMAGE

USAGE RIGHTS
OSRAM & PARTNER

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Product Images

ORIGINAL LINE 12V PS19W, PS24W, PSX24W



PS19W



PS24W



PSX24W

DOI

ORIGINAL LINE 12V

- osram-dam-6328543 (PS19W, 5201)
- osram-dam-6328584 (PS24W, 5202)
- osram-dam-6328409 (PSX24W, 2504)

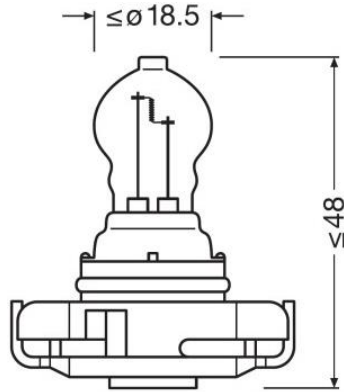
TYPE OF VISUAL PRODUCT IMAGE

USAGE RIGHTS

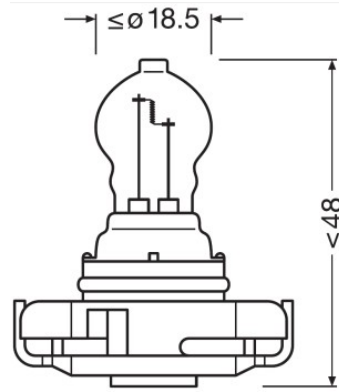
OSRAM & PARTNER

Technical Drawings

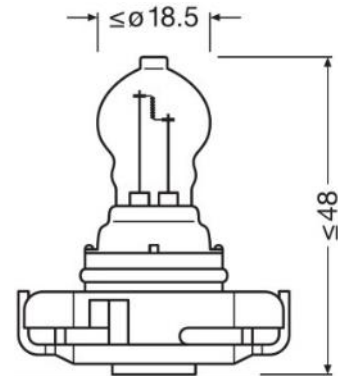
ORIGINAL LINE 12V PS19W, PS24W, PSX24W



PS19W



PS24W



PSX24W

DOI

ORIGINAL LINE 12V

- osram-dam-6328549 (PS19W, 5201)
- osram-dam-6328587 (PS24W, 5202)
- osram-dam-6328413 (PSX24W, 2504)

TYPE OF VISUAL

PRODUCT LINE DRAWING with numbers

USAGE RIGHTS

OSRAM & PARTNER

Beauty Shots

ORIGINAL LINE 12V PS19W, PS24W, PSX24W



PS19W



PS24W



PSX24W

DOI

ORIGINAL LINE 12V

- osram-dam-6847974 (PS19W, 5201)
- osram-dam-6847991 (PS24W, 5202)
- osram-dam-6847994 (PSX24W, 2504)

TYPE OF VISUAL BEAUTY SHOT

USAGE RIGHTS OSRAM & PARTNER

Packaging Images

ORIGINAL LINE 12V PS19W, PS24W, PSX24W



PS19W



PS24W



PSX24W

DOI

ORIGINAL LINE 12V

- osram-dam-7392857 (PS19W, 5201)
- osram-dam-7393214 (PS24W, 5202)
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