



# LEDDriving® replacement lamps

## Exchange overview

Light is OSRAM

**OSRAM**

## OSRAM LEDriving® replacement lamps

Exchange overview for forward lighting<sup>1,2</sup>

|                                                                                   |    |                                                                                                                                                                                                                                                                | Conventional lamps                 |                                                                                     | OSRAM LEDriving® HL                    |      |                                                                                       |
|-----------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|------|---------------------------------------------------------------------------------------|
|  | V  | Application                                                                                                                                                                                                                                                    | Product reference                  |                                                                                     | Product reference                      | K    | COLOR                                                                                 |
| P14.5s (H1)                                                                       | 12 |                                                                                              | 64150                              |    | 64150DWBRT                             | 6000 |    |
| P43t/ PU43t-3 (H4/H19)                                                            | 12 |                                                                                              | 64193<br>64181L                    |    | 64193DWESY<br>64193DWBRT<br>64193DWINT | 6000 |    |
| PX26d/ PY26d-1 (H7/H18)                                                           | 12 |                                                                                              | 64210<br>64180L                    |    | 64210DWESY<br>64210DWBRT<br>64210DWINT | 6000 |    |
| PGJ19-2/ PGJ19-5/ PGJ19-1/ PGJ19-3 (H8/H11/ H16/H9)                               | 12 |                                                                                              | 64212<br>64211<br>64219L+<br>64213 |    | 64211DWBRT                             | 6000 |    |
| P20d/ PY20d/ PX20d (HB3/H10/ HIR1)                                                | 12 |                                                                                            | 9005<br>9145<br>9011               |   | 9005DWBRT                              | 6000 |   |
| P22d/PX22d (HB4/HIR2)                                                             | 12 |                                                                                          | 9006<br>9012                       |  | 9006DWBRT                              | 6000 |  |
| P26.4t (H13)                                                                      | 12 |                                                                                          | 9008                               |  | 9008DWBRT                              | 6000 |  |
| PGJ23t-1 (H15)                                                                    | 12 |                                                                                          | 64176                              |  | 64176DWESY                             | 6000 |  |
|                                                                                   |    |                                                                                                                                                                                                                                                                | Conventional lamps                 |                                                                                     | OSRAM LEDriving® FL                    |      |                                                                                       |
| PGJ19-1 (H8)<br>PGJ19-2 (H11)<br>PGJ19-3 (H16)                                    | 12 |  <br> | 64212<br>64211<br>64219            |  | 67219CW                                | 6000 |  |
| PY20d (H10)                                                                       | 12 |                                                                                                                                                                             | 9145                               |  | 9745CW                                 | 6000 |  |
| PG20-7 (PSX24W)                                                                   | 12 |                                                                                                                                                                             | 5202                               |  | 2604CW                                 | 6000 |  |

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<sup>2)</sup> LEDriving® SMART CANBUS and LEDriving® CANBUS CONTROL UNIT avoid error messages on the on-board computer when using LED lamps.

Exchange overview for forward lighting<sup>1,2</sup>

|                                                                                   |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Conventional lamps                                      |                                                                                     | OSRAM LEDriving® SL           |                                                                                                                                                                         |                                                                                            |  |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|
|  | V  | Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Product reference                                       |                                                                                     | Product reference             | K                                                                                                                                                                       |         |  |
| PG18.5d-1 (P13W)                                                                  | 12 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 828                                                     |    | 828DWP                        |                                                                                      | 6000    |  |
| PG20-1 (PS19W)                                                                    | 12 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5201                                                    |    | 5201DWP                       |                                                                                      | 6000    |  |
| W2.1x9.5d (W5W)                                                                   | 12 |  <br> <br> <br> <br> <br> <br>  | 2820<br>2821<br>2825<br>2829X<br>2885X<br>2886X<br>2888 |    | 2825DWP<br>2825DRP            |   | 6000    |  |
| W2.1x9.5d (W5W/ WY5W)                                                             | 12 |  <br> <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2827NA                                                  |  | 2827DYP                       |                                                                                    | 6000  |  |
| W2.1x9.5d (W16W)                                                                  | 12 |  <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 921                                                     |  | 921DWP<br>921DRP              |                                                                                    | 6000  |  |
| SV8.5-8<br>31mm,<br>36mm (C5W),<br>41mm                                           | 12 |  <br> <br> <br> <br>                                                                                                                                                                                                                                                                                                                                          | 6438<br>6418<br>6413                                    |  | 6438DWP<br>6418DWP<br>6413DWP |                                                                                    | 6000  |  |



Exchange overview for forward lighting<sup>1,2</sup>

|                                                                                   |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Conventional lamps                                                                          | OSRAM LEDriving® SL                                                                                                    |      |                                                                                       |
|-----------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|  | V  | Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Product reference                                                                           | Product reference                                                                                                      | K    | COLOR                                                                                 |
| BA15s<br>(P21W)                                                                   | 12 |                                                                                                             | 7506<br>   | 7506DWP<br>7506DRP<br>7506DYP<br>   | 6000 |    |
| BAU15s<br>(PY21W)                                                                 | 12 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7507<br>   | 7507DYP<br>                         | 6000 |    |
| W3x16q<br>(W21/5W)                                                                | 12 |                                                                                                                                                                                                                                                                           | 7515<br>  | 7515DWP<br>7515DRP<br>7515DYP<br>   | 6000 |    |
| W3x16d<br>(W21W)                                                                  | 12 |                                                                                             | 7505<br> | 7505DWP<br>7505DRP<br>7505DYP<br> | 6000 |  |
| WX3x16d<br>(WY21W)                                                                | 12 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7504<br> | 7504DYP<br>                       | 6000 |  |
| BAY15d<br>(P21/5W)                                                                | 12 |          | 7528<br> | 7528DWP<br>7528DRP<br>7528DYP<br> | 6000 |  |



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Exchange overview for forward lighting<sup>1,2</sup>

|                                                                                   |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Conventional lamps   | OSRAM LEDriving® SL                                                                 |                               |      |                                                                                       |
|-----------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------|------|---------------------------------------------------------------------------------------|
|  | V  | Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Product reference    |                                                                                     | Product reference             | K    |    |
| W2.5x16q<br>(P27/7W)                                                              | 12 |  <br> <br> <br>                                                                                                                                                                                             | 3157                 |    | 3157DWP<br>3157DRP<br>3157DYP | 6000 |    |
| BA9s<br>(T4W)                                                                     | 12 |  <br> <br> <br> <br>                      | 3893                 |    | 3893DWP                       | 6000 |    |
| BA15s<br>(R5W)                                                                    | 12 |  <br> <br> <br> <br>    | 5007                 |   | 5007DWP                       | 6000 |   |
| BA15s<br>(R10W)                                                                   | 12 |  <br> <br> <br> <br>  | 5008                 |  | 5008DWP                       | 6000 |  |
| W2x4.6d<br>(T5/<br>W2.3W)                                                         | 12 |  <br> <br> <br> <br>  | 2721<br>2722<br>2723 |  | 2723DWP                       | 6000 |  |

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## Colour information

|                                                                                                                                                                             | Use behind <b>red glass</b> | Use behind <b>clear glass</b> | Use behind <b>amber glass</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|-------------------------------|
| LED colour                                                                                                                                                                  |                             |                               |                               |
|  <b>Red</b> (tail light, brake light)                                                      | Yes                         | Not recommended               | Not recommended               |
|  <b>White</b> (daytime running light, reversing light, license plate light, parking light) | Not recommended             | Yes                           | Not recommended               |
|  <b>Amber</b> (indicator light, side marker light)                                         | Not recommended             | Yes                           | Yes                           |

Choosing the right colour LED lamp can affect the quality and intensity of light output on your vehicle.

## Application information

|                                                                                     |                                      |                                                                                     |                            |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|----------------------------|
|    | Low beam                             |    | Dome light                 |
|    | High beam                            |    | Glovebox light             |
|    | Daytime running light                |    | Legroom light              |
|    | Fog light                            |    | Reading light front        |
|   | Rear fog light                       |   | Reading light behind       |
|  | Indicator light                      |  | Make-up mirror/visor light |
|  | Tail light                           |  | Door/side light            |
|  | Reversing light                      |  | Trunk light                |
|  | Parking/marking light/position light |  | Engine compartment light   |
|  | Brake light/third braking light      |                                                                                     |                            |
|  | Additional brake light               |                                                                                     |                            |
|  | License plate light                  |                                                                                     |                            |

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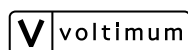
[www.osram.com/automotive](http://www.osram.com/automotive)

For comprehensive information on the LEDriving® replacement lamps portfolio, including videos, downloads and special campaigns, go to: [www.osram.com/ledupgrade](http://www.osram.com/ledupgrade)

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