

# D4S WX 42V 35W P32d-5

## Product basic information

| CHARACTERISTICS                   | VALUE     |
|-----------------------------------|-----------|
| Product type                      | D4S       |
| Additional name                   | WX        |
| Product type number               | 42402     |
| Rated voltage                     | 42V       |
| Rated wattage                     | 35W       |
| Base/Cap                          | P32d-5    |
| Net weight                        | 18.100 g  |
| Product hierarchy without factory | B11082109 |
| Upgrade product                   | Y         |

## Additional product information

| PARAMETER            | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|----------------------|----|-------------|-----------------------|
| Comments             | OK | OK          | OK                    |
| Base material        | OK | OK          | OK                    |
| Marking              | OK | OK          | OK                    |
| Stationary operation | OK | OK h        | OK                    |
| Tube                 | OK | OK          | OK                    |

## Regulations

| PARAMETER | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|-----------|----|-------------|-----------------------|
|-----------|----|-------------|-----------------------|

## Photometry - General/ECE

| PARAMETER                  | SC | VALUE  | TOL | COMMENT / INSTRUCTION |
|----------------------------|----|--------|-----|-----------------------|
| Stable time                | OK | OK min | OK  | OK                    |
| Power input                | OK | OK W   | OK  | OK                    |
| Luminous flux              | OK | OK V   | OK  | OK                    |
| Burn voltage (15h)         | OK | OK V   | OK  | OK                    |
| Burn voltage (at B1 cycle) | OK | OK V   | OK  | OK                    |
| 1. Lumen maintenance       | OK | OK %   | OK  | OK                    |
| 2. Lumen maintenance       | OK | OK %   | OK  | OK                    |
| 3. Lumen maintenance       | OK | OK %   | OK  | OK                    |
| 4. Lumen maintenance       | OK | OK %   | OK  | OK                    |

## Lifetime - General/ECE

| PARAMETER        | SC | VALUE       | TOL | COMMENT / INSTRUCTION |
|------------------|----|-------------|-----|-----------------------|
| Driver           | OK | OK          | OK  | OK                    |
| Lifetime B1 B3   | OK | OK h        | OK  | OK                    |
| Lifetime B1 - Tc | OK | OK h        | OK  | OK                    |
| Lifetime B2 - B3 | OK | OK switches | OK  | OK                    |
| Lifetime B2 - Tc | OK | OK switches | OK  | OK                    |

## Color - General/ECE

| PARAMETER                                 | SC | VALUE    | TOL | COMMENT / INSTRUCTION |
|---|----|----------|-----|-----------------------|
| Color temperature (at 15h burnvoltage)    | OK | OK K     | OK  | OK                    |
| Color coordinates: x (at 15h burnvoltage) | OK | OK /1000 | OK  | OK                    |
| Color coordinates: x (at B1 cycle)        | OK | OK /1000 | OK  | OK                    |
| Color coordinates: y (at 15h burnvoltage) | OK | OK /1000 | OK  | OK                    |
| Color coordinates: y (at B1 cycle)        | OK | OK /1000 | OK  | OK                    |

## Electrical characteristics - General/ECE

| PARAMETER                         | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-----------------------------------|----|-------|-----|-----------------------|
| Electric Circuitry (only D1) - C2 | OK | OK nF | OK  | OK                    |
| Electric Circuitry (only D1) - R1 | OK | OK MΩ | OK  | OK                    |

## Ignition Runup - Cold

| PARAMETER                           | SC | VALUE    | TOL | COMMENT / INSTRUCTION |
|-------------------------------------|----|----------|-----|-----------------------|
| Ignition voltage                    | OK | OK kV    | OK  | OK                    |
| Start time t25                      | OK | OK s     | OK  | OK                    |
| Start time t80                      | OK | OK s     | OK  | OK                    |
| Luminous flux - t25                 | OK | OK lm    | OK  | OK                    |
| Luminous flux - t80                 | OK | OK lm    | OK  | OK                    |
| Luminous flux - t80 with TMC driver | OK | OK lm    | OK  | OK                    |
| Min. voltage                        | OK | OK V     | OK  | OK                    |
| Color cordinate - y                 | OK | OK /1000 | OK  | OK                    |

## Ignition Runup - Hot

| PARAMETER           | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------------|----|-------|-----|-----------------------|
| Ignition voltage    | OK | OK kV | OK  | OK                    |
| Start time t80      | OK | OK s  | OK  | OK                    |
| Luminous flux - t80 | OK | OK s  | OK  | OK                    |

## Limits - DOT

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-----------|----|-------|-----|-----------------------|
|-----------|----|-------|-----|-----------------------|

## Limits - General/ECE

| PARAMETER                             | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------------------------------|----|-------|-----|-----------------------|
| Limit Burn position                   | OK | OK °C | OK  | OK                    |
| Limit Breakdown voltage               | OK | OK kV | OK  | OK                    |
| Max. operating temp. of base          | OK | OK °C | OK  | OK                    |
| Max. operating temp. of metall shield | OK | OK °C | OK  | OK                    |
| Max. operating temp. of BCN           | OK | OK °C | OK  | OK                    |
| Max. operating temp. of tube          | OK | OK °C | OK  | OK                    |

## Type Test

| PARAMETER                | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|--------------------------|----|-------------|-----------------------|
| Bulb deflection test     | OK | OK          | OK                    |
| Fracture test            | OK | OK          | OK                    |
| Ra8                      | OK | OK %        | OK                    |
| Transmission measurement | OK | OK %        | OK                    |
| Vibration test           | OK | OK          | OK                    |

## Validation tests

| PARAMETER       | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|-----------------|----|-------------|-----------------------|
| Bounce test     | OK | OK          | OK                    |
| Climate test    | OK | OK          | OK                    |
| Degassing test  | OK | OK          | OK                    |
| Drop test       | OK | OK          | OK                    |
| Salt spray test | OK | OK          | OK                    |

## Geometry - Outside dimensions - Xenon

| PARAMETER                           | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-------------------------------------|----|-------|-----|-----------------------|
| Bulb dimensions (only D5)           | OK | OK    | -   | OK                    |
| Modul dimensions - Height (only D5) | OK | OK mm | OK  | OK                    |
| Modul dimensions - Length (only D5) | OK | OK mm | OK  | OK                    |
| Modul dimensions - Width (only D5)  | OK | OK mm | OK  | OK                    |

## Geometry - Inside dimensions - Xenon

| PARAMETER     | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------|----|-------|-----|-----------------------|
| Arc bending   | OK | OK mm | OK  | OK                    |
| Arc diffusion | OK | OK mm | OK  | OK                    |
| EA opt        | OK | OK mm | OK  | OK                    |
| LCL           |    | OK mm | -   |                       |
| Line B        | OK | OK %  | OK  | OK                    |
| Line C        | OK | OK %  | OK  | OK                    |
| Pinstripe     | OK | OK    | OK  | OK                    |
| Stable time   | OK | OK s  | OK  | OK                    |
| Test voltage  | OK | OK V  | OK  | OK                    |
| Zone A        | OK | OK %  | OK  | OK                    |

## Environmental characteristics

| PARAMETER | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|-----------|----|-------------|-----------------------|
|-----------|----|-------------|-----------------------|

## Release dates

| ROLE      | DATE       | NAME                 | COMMENT / SIGNATURE |
|-----------|------------|----------------------|---------------------|
| Creator   | 2019-11-05 | Industrial Editor    |                     |
| Validator |            | Industrial Validator |                     |
| Approver  |            | Industrial Approver  |                     |