

# D3S XG 42V 35W PK32d-5

## Product basic information

CHARACTERISTICS	VALUE
Product type	D3S
Additional name	XG
Product type number	42403
Rated voltage	42V
Rated wattage	35W
Base/Cap	PK32d-5
Net weight	75.000 g
Product hierarchy without factory	B11082107
Upgrade product	Y

## Additional product information

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Base material		Ø 8;7	
Marking		See label instruction	
Stationary operation		15 cycles + 30 minutes h	Acc. UN ECE R99
Tube		Fortron PPS	

## Regulations

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

## Photometry - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Stable time		180 min	-	
Power input		35 W	±0;3	
Luminous flux		2900 V	±350	
Burn voltage (15h)		42 V	±9;0	after 15h aging
Burn voltage (at B1 cycle)		42 V	+23/-9	at B1-Cycle
1. Lumen maintenance		70 %	min.	at 1000h B1-Cycle
2. Lumen maintenance		60 %	min.	at 1500h B1-Cycle

## Lifetime - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Lifetime B1 B3		800 h	min.	
Lifetime B1 - Tc		1500 h	min.	
Lifetime B2 - B3		15000 switches	-	
Lifetime B2 - Tc		25000 switches	-	

## Color - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Color temperature (at 15h burnvoltage)		6000 K	±600	
Color coordinates: x (at 15h burnvoltage)		325 /1000	±10	After 15 cycles + 30 minutes (Acc. UN ECE R99)
Color coordinates: x (at B1 cycle)		315 /1000	+25	
Color coordinates: y (at 15h burnvoltage)		330 /1000	±15	After 15 cycles + 30 minutes (Acc. UN ECE R99)
Color coordinates: y (at B1 cycle)		350 /1000	min.	(y ? 50 + 0;750*X; y ? 150 + 0;640*X)

## Electrical characteristics - General/ECE

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

## Ignition Runup - Cold

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Luminous flux - t80		1800 lm	min.	
Min. voltage		t.b.d V	-	
Color cordinate - y		300 /1000	min.	

## Ignition Runup - Hot

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

## Limits - DOT

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

## Limits - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Max. operating temp. of base		240 °C	max.	
Max. operating temp. of BCN		400 °C	max.	
Max. operating temp. of tube		700 °C	max.	

## Type Test

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Bulb deflection test		Force: 18N ±0;4; SAE J1381	Permanent deviation max 0;13 mm
Fracture test		At GKM	
Ra8		60 min. %	
Vibration test		Included	Wide Band Test 1 - direction x

## Validation tests

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Bounce test		Only for industrial packaging	DIN IEC 68 Part 2-6; Type Test; DIN IEC 68 Part 2-55
Climate test		Included	DIN 50014-50018
Degassing test		t.b.d.	
Drop test		Not relevant for Aachen	Only for trade packaging
Salt spray test		Included	DIN 50021 SS

## Geometry - Outside dimensions - Xenon

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

## Geometry - Inside dimensions - Xenon

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Arc bending		0.5 mm	±0;2	
Arc diffusion		1.1 mm	+0;25/ -0;5	
EA opt		4.2 mm	±0;6	
LCL		27.1 mm	-	
Stable time		120 s	-	
Test voltage		13.5 V	-	

## Environmental characteristics

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

## Release dates

ROLE	DATE	NAME	COMMENT / SIGNATURE
Creator	2019-11-08	Industrial Editor	
Validator		Industrial Validator	
Approver		Industrial Approver	