

GP Compact 80 BLK

Product basic information

| CHARACTERISTICS | VALUE |
|-----------------------------------|------------|
| Technology | TEST CHRIS |
| Product Grouping | TEST CHRIS |
| Product type | TEST CHRIS |
| Additional name | TEST CHRIS |
| Product type number | TEST CHRIS |
| Philips type number | TEST CHRIS |
| Rated voltage | TEST CHRIS |
| Rated wattage | TEST CHRIS |
| Ampere | TEST CHRIS |
| Base/Cap | TEST CHRIS |
| Net weight | TEST CHRIS |
| Product hierarchy without factory | TEST CHRIS |
| Coated | TEST CHRIS |
| Upgrade product | TEST CHRIS |
| Product main image | TEST CHRIS |

Additional product information

| PARAMETER | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|-------------------------|-------|-------------|-----------------------|
| Base material | CHRIS | CHRIS | CHRIS |
| Coating | | CHRIS | CHRIS |
| Excursion with baseline | | CHRIS | CHRIS |
| Marking | | CHRIS | |
| Replacement | | CHRIS | |
| Aging | | CHRIS | CHRIS |

Regulations

| PARAMETER | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|-----------|----|-------------|-----------------------|
| INMETRO | | TEST CHRIS | TEST CHRIS |



Product Requirement Sheet
PRS – GP Compact 80 BLK

Released

Page 2 / 5

Effective Date
2019-11-06

Revision No.:
1

Photometry - General/ECE

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|----------------------|----|---------|-----|-----------------------|
| Stable time | | 555 min | - | |
| Test voltage 1 | | 555 V | - | |
| Power input | | 555 W | - | |
| Luminous flux | | 555 V | - | |
| 1. Lumen maintenance | | 555 % | - | |
| 2. Lumen maintenance | | 555 % | - | |
| 3. Lumen maintenance | | 555 % | - | |
| 4. Lumen maintenance | | 555 % | - | |

Lifetime - General/ECE

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-----------------------|----|--------------|-----|-----------------------|
| Life test cycle | | 666 h | - | 666 |
| Lifetime Test voltage | | 666 V | - | |
| Driver | | CHRIS | - | |
| Lifetime B3 | | 666 h | - | |
| Lifetime Tc | | 666 h | - | |
| Lifetime B1 B3 | | 666 h | - | |
| Lifetime B1 - Tc | | 666 h | - | |
| Lifetime B2 - B3 | | 666 switches | - | |
| Lifetime B2 - Tc | | 666 switches | - | |

Color - General/ECE

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---|-----|-----------|-----|-----------------------|
| Color Test voltage | 999 | 999 V | 999 | 999 |
| Color maintenance - Blinking | | 111 h | - | |
| Color maintenance - Blinking | 111 | 111 h | 111 | 111 |
| Color maintenance - Continuous | 111 | 111 h | 111 | 111 |
| Color coordinates: x (at 15h burnvoltage) | 333 | 333 /1000 | 333 | 333 |
| Color coordinates: x (at B1 cycle) | 999 | 333 /1000 | 333 | 999 |
| Color coordinates: y (at 15h burnvoltage) | 333 | 333 /1000 | 333 | 333 |
| Color coordinates: y (at B1 cycle) | 333 | 333 /1000 | 333 | 333 |

Electrical characteristics - General/ECE

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-----------------------------------|------|---------|------|-----------------------|
| Electric Circuitry (only D1) - C2 | 2222 | 2222 nF | 2222 | 2222 |
| Electric Circuitry (only D1) - R1 | 2222 | 2222 MΩ | 2222 | 2222 |

Ignition Runup - Cold

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-------------------------------------|-----|-----------|-----|-----------------------|
| Ignition voltage | | 123 kV | - | 123 |
| Ignition runup | | 123 lm | - | 123 |
| Start time t25 | 123 | 123 s | - | |
| Start time t80 | 123 | 123 s | 123 | |
| Luminous flux - t25 | 123 | 123 lm | 123 | |
| Luminous flux - t80 | | 123 lm | 123 | |
| Luminous flux - t80 with TMC driver | | 123 lm | - | 123 |
| Min. voltage | 123 | 123 V | 123 | |
| Color cordinate - y | | 123 /1000 | - | 123 |

Ignition Runup - Hot

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------------|----|--------|-----|-----------------------|
| Ignition voltage | | 123 kV | - | 123 |
| Start time t80 | | 123 s | - | 123 |
| Luminous flux - t80 | | 123 s | - | 123 |

Limits - DOT

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------------------------------|----|--------|-----|-----------------------|
| Limit Test voltage | | 666 V | - | |
| Limit Overvoltage | | 666 % | - | |
| Max. operating temp. of base | | 666 °C | - | |
| Max. operating temp. of tube | | 666 °C | - | |
| Max. operating temp. of metall shield | | 666 °C | - | |
| Max. operating temp. of pinch | | 666 °C | - | |
| Max. operating temp. of tube | | 666 °C | - | |

Limits - General/ECE

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------------------------------|----|--------|-----|-----------------------|
| Limit Test voltage | | 666 V | - | |
| Limit Burn position | | 666 °C | - | |
| Limit Overvoltage | | 666 % | - | |
| Limit Breakdown voltage | | 666 kV | - | |
| Max. operating temp. of base | | 666 °C | 666 | 666 |
| Max. operating temp. of BCN | | 666 °C | - | |
| Max. operating temp. of metall shield | | 666 °C | - | |
| Max. operating temp. of BCN | | 666 °C | - | |
| Max. operating temp. of tube | | 666 °C | - | |
| Classification of defects | | 666 mm | - | |
| Critical defects | | 666 mm | - | |
| Inoperative defects | | 666 mm | - | |
| Low performance defects | | 666 mm | - | |
| Major defects 1 | | 666 mm | - | |
| Major defects 2 | | 666 mm | - | |
| Minor defects | | 666 mm | - | |

Type Test

| PARAMETER | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|----------------|----|-------------|-----------------------|
| Axial skewness | | IPR | IPR |
| Fracture test | | IPR | |
| Pressure test | | IPR | IPR |
| Shock test | | IPR | |
| Spectrometry | | IPR | |

Validation tests

| PARAMETER | SC | DESCRIPTION | COMMENT / INSTRUCTION |
|-------------------|----|-------------|-----------------------|
| Bounce test | | IPR | IPR |
| Climate test | | IPR | IPR |
| Compression axial | | IPR | IPR |
| Degassing test | | IPR | |

Geometry - Outside dimensions - Xenon

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|-------------------------------------|------|---------|------|-----------------------|
| Bulb dimensions (only D5) | 1111 | 1111 | - | 1111 |
| Modul dimensions - Height (only D5) | 1111 | 1111 mm | 1111 | 1111 |
| Modul dimensions - Length (only D5) | 1111 | 1111 mm | 1111 | 1111 |
| Modul dimensions - Width (only D5) | 1111 | 1111 mm | 1111 | 1111 |

Geometry - Inside dimensions - Xenon

| PARAMETER | SC | VALUE | TOL | COMMENT / INSTRUCTION |
|---------------|----|---------|-----|-----------------------|
| Arc bending | | 1111 mm | - | 1111 |
| Arc diffusion | | 1111 mm | - | 1111 |
| EA opt | | 1111 mm | - | 1111 |
| LCL | | 1111 mm | - | |
| Line B | | 1111 % | - | 1111 |
| Line C | | 1111 % | - | 1111 |
| Pinstripe | | 1111 | - | 1111 |
| Stable time | | 1111 s | - | 1111 |
| Test voltage | | 1111 V | - | 1111 |
| Zone A | | 1111 % | - | 1111 |

Environmental characteristics

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

Release dates

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