






# MATERIAL DECLARATION & RoHS REPORT



|                     |                             |                 |          |   |
|---------------------|-----------------------------|-----------------|----------|---|
| Product Part Number | 2027-XX-SMLF / 2029-XX-SMLF |                 |          |  |
| Product Line        | Gas Discharge Tube          |                 |          |   |
| MSL                 | 1                           |                 |          |   |
| RoHS Compliant      | Yes                         | Compliance Date | May-2015 |   |

| No.   | Construction Element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material\     | CASRN         | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) | Third Party Lab Analysis  |
|-------|--------------------------------|----------------------|---------------------|---------------------------|---------------|------------------|-----------------------------------|-------------------------------|---|
|       |                                |                      |                     | Substances                | if applicable |                  |                                   |                               |   |
| 1     | Lateral Electrodes             | Tin plated Copper    | 0.5255              | Copper                    | 7440-50-8     | 99.2             | 59.63                             | 60.112                        | <br>Adobe Acrobat Document   |
|       |                                |                      |                     | Nickel                    | 7440-02-0     | 0.2              | 0.12                              |                               |   |
|       |                                |                      |                     | Tin                       | 7440-31-5     | 0.6              | 0.36                              |                               |   |
| 2     | Ceramic                        | Ceramic              | 0.322               | Aluminum oxide            | 1344-28-1     | 95               | 34.99                             | 36.834                        | <br>Adobe Acrobat Document   |
|       |                                |                      |                     | Silicon dioxide           | 7631-86-9     | 5                | 1.84                              |                               |   |
| 4     | Brazing material               | Cusil™               | 0.025               | Silver                    | 7440-22-4     | 72               | 2.06                              | 2.860                         | <br>Adobe Acrobat Document   |
|       |                                |                      |                     | Copper                    | 7440-50-8     | 28               | 0.80                              |                               |   |
| 5     | Filler material                | Gas                  | 0.0007              | Argon                     | 7440-37-1     | 100              | 0.08                              | 0.080                         | N/A   |
| 6     | Marking                        | Blue Ink             | 0.001               | Ink (Proprietary mixture) | proprietary   | 100              | 0.00                              | 0.114                         | <br>Adobe Acrobat Document |
| TOTAL |                                |                      | <b>0.8742</b>       |                           |               |                  |                                   |                               |   |

**This Document was updated on: May, 2015**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.