

# LED Filament B2C - A60\_ Smoky glass

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## 1. Specification:

### A. General Data

|                                |                                   |
|--------------------------------|-----------------------------------|
| Model                          | A60 filament 4.5W E27 Smoky glass |
| P/N                            | DELS-FBE44P5S7AG11                |
| Westnet Code                   | 00172720                          |
| Rated Voltage                  | 230 VAC                           |
| Frequency                      | 50 Hz                             |
| Rated Wattage                  | 4.5 W                             |
| Deviation Tolerance of Wattage | ±10 %                             |
| Rated Current                  | 0.04 A                            |
| Maximum Input Current          | 0.046 A                           |
| Start On                       | <0.5S                             |
| Warm up time                   | <1S                               |
| Dimmable                       | NO                                |
| Beam Angle                     | 270°                              |
| Energy Efficiency Class(EEC)   | Not applicable <sup>®</sup>       |
| Peak luminous intensity (cd)   | Non-directional <sup>®</sup>      |
| R9 CRI                         | 1                                 |
| Survival factor                | 0.9                               |
| Lumen Maintenance factor       | 93.1%                             |
| Safety requirements            | CE                                |
| Displacement factor (cos φ1)** | No limit                          |

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| Stroboscopic effect metric (SVM) | 0.9                                                          |
| Flicker metric (PstLM)           | 1                                                            |
| Applicable Environments          | Dry locations;<br>Not suitable for totally enclosed fixtures |
| Ingress protection rating        | IP20                                                         |
| Impact resistance                | N.A                                                          |
| Incandescent Equivalent          | 25W                                                          |
| Base                             | E27                                                          |
| Photobiological Group            | RG 1                                                         |

\* Displacement factor tolerance +/- 10%

\*\*No limit at  $P_{on} \leq 5W$

© The Declared color temperature (K): 1800K

The self-declared reference point with center point of ( $x_0=0.549$ ,  $y_0=0.408$ )

Base on the above information, The LED lamp exempt from the (EU) 2019/2020 requirements.

#### B. Light Data

|                                    |                                 |
|------------------------------------|---------------------------------|
| Color                              | Flame                           |
| Color Temperature (CCT)            | 1800K                           |
| Lumen Output*<br>( $\phi$ Total °) | 225 lm                          |
| Color Rendering Index*             | $\geq 80$                       |
| Efficacy( $\phi$ Total °)          | 50 lm/W                         |
| Color Consistency**                | 6 Step MacAdam Ellipse (6 SDCM) |

\* tolerance +/- 10%

#### C. Lifetime

(Supplied Voltage: AC 230V ; Ambient Temperature: 25°C)

|                              |                           |
|------------------------------|---------------------------|
| Lumen Maintenance Factor     | 70% of the rated lifetime |
| Rated Lifetime – $L_{70B50}$ | 15,000 hrs                |
| Switch cycles                | >20,000                   |

#### D. Temperature Operation

|                              |              |
|------------------------------|--------------|
| Normal operation temperature | -20°C ~ 40°C |
| Relative Humidity            | 10% ~ 90%    |

#### E. Geometric Data

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | A60 filament 4.5W E27 Smoky glass |
| Maximum overall length | 60 ± 2 mm                         |
| Maximum overall width  | 108 ± 2 mm                        |
| Mass                   | 38g ± 10%                         |

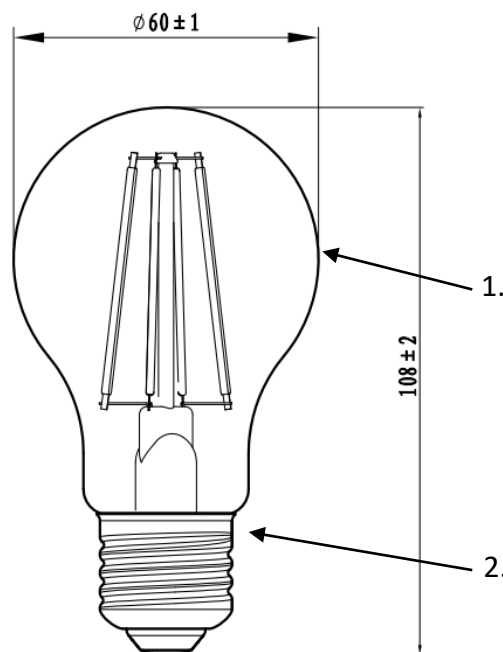
Representative: Westnet Distribution S.A.

## F. Environmental relevant materials

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Mercury (Hg)                          | Comply with RoHS Directive 2011/65/EU |
| Lead (Pb)                             |                                       |
| Cadmium(Cd)                           |                                       |
| Hexavalent Chromium(Cr6+)             |                                       |
| Polybrominated Biphenyls(PBBs)        |                                       |
| Polybrominated Diphenyl Ethers(PBDEs) |                                       |
| Bis (2-ethylhexyl) phthalate(DEHP)    |                                       |
| Butyl benzyl phthalate(BBP)           |                                       |
| Dibutyl phthalate(DBP)                |                                       |
| Diisobutyl phthalate(DIBP)            |                                       |

## 2. Outline Drawing

Unit : mm

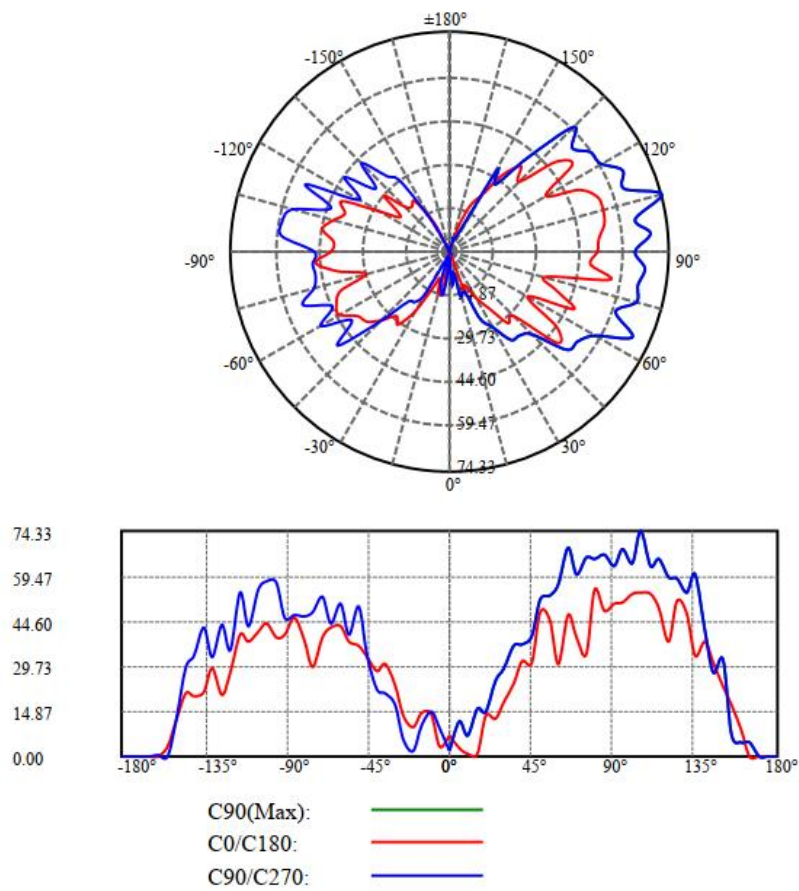


### Material Information

1. Globe& Body : Glass
2. Base : Metal

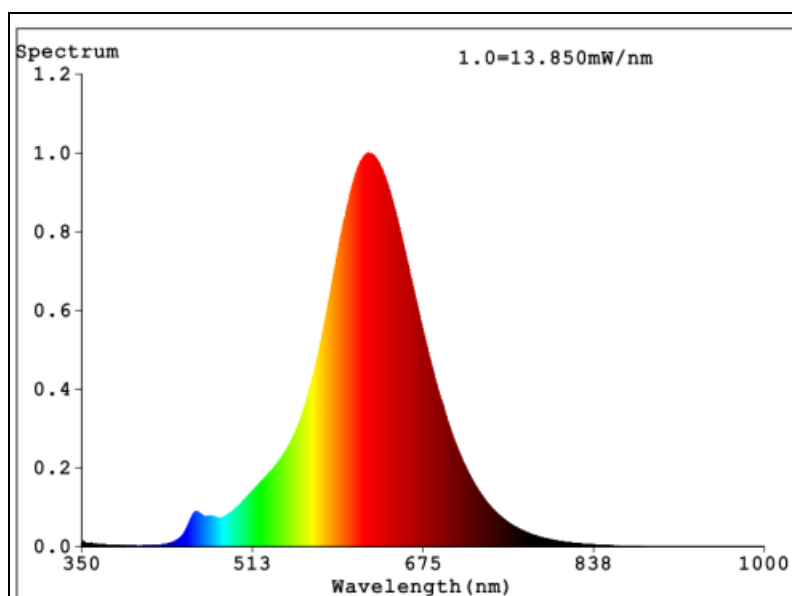
### 3. Light Distribution Curve

FWHM 270°



### 4. Spectrum Distribution

- 1800K Color Temperature



## 5. Warnings

Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

## 6. Cautions

Only to apply in dry and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space). Not intended for use with emergency light fixtures for exit lights.

## 7. Notes

All characteristics are estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage. In view of the complex manufacturing process for light above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technic individual products may vary from the typical values.

## 8. Logistic information

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| <b>Model</b>                     | A60 filament 4.5W E27 1800K Smoky glass |
| <b>Pieces per pack</b>           | 1                                       |
| <b>EAN code on pack</b>          | 4711112386840                           |
| <b>Size of pack</b>              | 66 * 66 * 120mm                         |
| <b>Weight per pack (G.W)</b>     | 43g                                     |
| <b>Packs per inner box</b>       | N/A                                     |
| <b>EAN code on inner box</b>     | N/A                                     |
| <b>ITF code on inner box</b>     | N/A                                     |
| <b>Size of inner box</b>         | N/A                                     |
| <b>Weight per inner box(G.W)</b> | N/A                                     |
| <b>Packs per outer box</b>       | 100                                     |
| <b>EAN code on outer box</b>     | N/A                                     |
| <b>ITF code on outer box</b>     | 14711112386847                          |
| <b>Size of outer box</b>         | 720 * 355 * 270mm                       |

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| <b>Weight per outer box(G.W)</b> | 4.7kg                                                                               |
| <b>Packing Photograph</b>        |  |

## 9. ERP Label

N/A

## 10. Conformity

|                                                    |                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>2014/35/EU;<br/>Low Voltage<br/>Directive</b>   | EN 62560:2012 + A11:2019 、 EN 62493:2015 、 EN 62471:2008<br>IEC TR 62778:2014                       |
| <b>2014/30/EU;<br/>EMC Directive</b>               | EN IEC 55015:2019 + A11:2020 、 EN IEC 61000-3-2:2019 、 EN 61547:2009<br>EN 61000-3-3:2013 + A1:2019 |
| <b>2009/125/EC;<br/>ErP Directive</b>              | (EU) 2019/2015 、 (EU) 2019/2020 、 (EU)2021/340 、 (EU)2021/341                                       |
| <b>2011/65/EU+(EU)2015/863;<br/>RoHS Directive</b> | EN 50581: 2012                                                                                      |