

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2013 with regard to energy labelling of electronic displays

|     | Parameter                                                                                                              | Parameter or value and precision                                       |   |       | Unit   |
|-----|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---|-------|--------|
| 1.  | Supplier's name or trademark.                                                                                          | Samsung                                                                |   |       |        |
|     | Supplier's address.                                                                                                    | Public Contact, Samsung<br>PO Box 12987 Blackrock<br>Co.Dublin Ireland |   |       |        |
| 2.  | Model identifier                                                                                                       | QE50QN90BAT                                                            |   |       |        |
| 3.  | Energy Efficiency Class for Standard Dynamic Range (SDR)                                                               | F                                                                      |   |       |        |
| 4.  | On mode power demand in SDR                                                                                            | 65,0                                                                   |   |       | W      |
| 5.  | Energy Efficiency Class for High Dynamic Range (HDR)                                                                   | G                                                                      |   |       |        |
| 6.  | On mode power demand in HDR, if implemented                                                                            | 128                                                                    |   |       | W      |
| 7.  | Off mode, power demand, if applicable                                                                                  | n.a.                                                                   |   |       | W      |
| 8.  | Standby mode power demand, if applicable                                                                               | 0,5                                                                    |   |       | W      |
| 9.  | Networked standby mode power demand, if applicable                                                                     | 2,0                                                                    |   |       | W      |
| 10. | Electronic display category                                                                                            | Television                                                             |   |       |        |
| 11. | Size ratio                                                                                                             | 16                                                                     | : | 9     |        |
| 12. | Screen resolution                                                                                                      | 3 840                                                                  | x | 2 160 | pixels |
| 13. | Screen diagonal                                                                                                        | 125,0                                                                  |   |       | cm     |
| 14. | Screen diagonal                                                                                                        | 50                                                                     |   |       | inches |
| 15. | Visible screen area                                                                                                    | 67,5                                                                   |   |       | dm²    |
| 16. | Panel technology used                                                                                                  | QLED LCD                                                               |   |       |        |
| 17. | Automatic Brightness Control (ABC) available                                                                           | No                                                                     |   |       |        |
| 18. | Voice recognition sensor available                                                                                     | No                                                                     |   |       |        |
| 19. | Room presence sensor available                                                                                         | No                                                                     |   |       |        |
| 20. | Image refresh frequency rate (default)                                                                                 | 120                                                                    |   |       | Hz     |
| 21. | Minimum guaranteed availability of software and firmware updates (from the date of end of the placement on the market) | 8                                                                      |   |       | Years  |
| 22. | Minimum guaranteed availability of spare parts (from the date of end of the placement on the market)                   | 7                                                                      |   |       | Years  |
| 23. | Minimum guaranteed product support                                                                                     | 7                                                                      |   |       | Years  |
|     | Minimum duration of the general guarantee offered by the supplier                                                      | 2                                                                      |   |       | Years  |
| 24. | Power supply type                                                                                                      | Internal                                                               |   |       |        |
| 25. | External power supply (non standardized and included in the product box)                                               |                                                                        |   |       |        |
|     | i                                                                                                                      | -                                                                      |   |       |        |
|     | ii                                                                                                                     | Input voltage                                                          | - |       | V      |

|     |                                                                                         |                                      |   |    |
|-----|-----------------------------------------------------------------------------------------|--------------------------------------|---|----|
|     | <i>iii</i>                                                                              | Output voltage                       | - | V  |
| 26. | External standardised power supply (or suitable one if not included in the product box) |                                      |   |    |
|     | <i>i</i>                                                                                | -                                    |   |    |
|     | <i>ii</i>                                                                               | Required output voltage              | - | V  |
|     | <i>iii</i>                                                                              | Required delivered current (minimum) | - | A  |
|     | <i>iv</i>                                                                               | Required current frequency           | - | Hz |