

|                                |  |
|--------------------------------|--|
| Supplier's name or trade mark: | MEGAMAN GmbH   |
| Supplier's address             | Halskestraße 22-26, AircomParc A140880 RatingenGermany |

|                   |             |
|-------------------|-------------|
| Model identifier  | SCL716v0840 |
| Equivalent Models | N/A         |

#### Technical Document

|   |                |
|---|----------------|
| Useful luminous flux  | 1200           |
| On-mode Power (Pon)   | 9.8 W          |
| Beam angle in degrees for directional light sources (DLS)         | N/A            |
| Peak luminous intensity in cd for directional light sources (DLS) | N/A            |
| Correlated Colour Temperature                                     | 4000 K         |
| Chromaticity coordinates (x,y)                                    | 0.38, 0.38     |
| Colour Rendering Index (CRI)                                      | Ra 80          |
| Standby Power (Psb)   | N/A            |
| Networked Standby Power (Pnet)                                    | N/A            |
| R9 colour rendering index value for LED and OLED light sources    | 0              |
| Survival factor for LED and OLED light sources                    | 0.90           |
| Lumen maintenance factor for LED and OLED light sources           | 0.96           |
| Indicative lifetime L70B50 for LED and OLED light sources         | 50000          |
| Displacement Factor (cos φ1)                                      | 0.9            |
| Colour Consistency  | SDCM ≤ 6       |
| Luminance for HLLS  | N/A            |
| Flicker metric (PstLM)  | 1              |
| Stroboscopic effect metric (SVM)                                  | 0.4            |
| Excitation purity for CTLS  | N/A            |
| Weighted Energy Consumption                                       | 10 kWh/1000hrs |
| Energy Efficiency Class   | E              |
| Outer dimensions in mm  |                |
| Height  | 17.4           |
| Width   | 261            |
| Depth   | 261            |
| Standards Compliance  | CE, RoHS       |

#### CALCULATIONS - GENERAL RULE

Refer to Annex II of Energy Labelling (EU) 2019/2015

##### Energy efficiency classes and calculation method

The energy efficiency class of light sources shall be determined as set out in Table 1, on the basis of the total mains efficacy  $\eta_{TM}$ , which is calculated by dividing the declared useful luminous flux  $\Phi_{use}$  (expressed in *lm*) by the declared on-mode power consumption  $P_{on}$  (expressed in *W*) and multiplying by the applicable factor FTM of Table 2, as follows:

$$\eta_{TM} = (\Phi_{use}/P_{on}) \times FTM \text{ (lm/W)}$$

Table 1

##### Energy efficiency classes of light sources

| Energy efficiency class | Total mains efficacy $\eta_{TM}$ (lm/W) |
|-------------------------|---|
| A                       | $210 \leq \eta_{TM}$                    |
| B                       | $185 \leq \eta_{TM} < 210$              |
| C                       | $160 \leq \eta_{TM} < 185$              |
| D                       | $135 \leq \eta_{TM} < 160$              |
| E                       | $110 \leq \eta_{TM} < 135$              |
| F                       | $85 \leq \eta_{TM} < 110$               |
| G                       | $\eta_{TM} < 85$                        |

Table 2

##### Factors FTM by light source type

| Light source type | Factor FTM |
|-------------------|------------|
|-------------------|------------|

|  |       |
|--|-------|
| Non-directional (NDLS) operating on mains (MLS)      | 1,000 |
| Non-directional (NDLS) not operating on mains (NMLS) | 0,926 |
| Directional (DLS) operating on mains (MLS)           | 1,176 |
| Directional (DLS) not operating on mains (NMLS)      | 1,089 |

#### ADDITIONAL PART

A list of compatible dimmers shall be provided on the website [www.megaman.cc](http://www.megaman.cc)

MEGAMAN | WEEE - Green Room | LED, Energy-efficient & Eco-friendly Lighting, Restriction of Hazardous Substances

<https://www.megaman.cc/resources/green-room/weee>

MEGAMAN GmbH  
Halskestraße 22-26, AircomParc A1  
40880 Ratingen  
Germany

