

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

Model identifier	SDL757v0830
Equivalent Models	N/A

#### Technical Document

Useful luminous flux	2400
On-mode Power (P <sub>on</sub> )	15.5 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	3000 K
Chromaticity coordinates (x,y)	0.44, 0.403
Colour Rendering Index (CRI)	Ra 80
Standby Power (P <sub>sb</sub> )	N/A
Networked Standby Power (P <sub>net</sub> )	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 ≤ 4
Luminance for HLLS	N/A
Flicker metric (PstLM)	1
Stroboscopic effect metric (SVM)	0.4
Excitation purity for CTLS	N/A
Weighted Energy Consumption	16 kWh/1000hrs
Energy Efficiency Class	D
Outer dimensions in mm	
Height	2.2
Width	69
Depth	69
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
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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>

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Applicable Model	Light Source Identifier	Applicable Model Number	Containing Product	Light source Input Current (mA)	Light source Rated Voltage (V)
SDL757v0830		FDL75700v0		185	DC 84
SDL757v0840		FDL75700v0		185	DC 84
SDL758v0830		FDL75800v0		235	DC 84
SDL758v0840		FDL75800v0		235	DC 84

### Light source: Removable

Step1: press the buckle position, Separate ring module from fixture.



Step2: remove the back cover



Step3: separate the drive



Step4: remove the lens



Step5: Loosen the three screws with a cross screwdriver, and push the PCB to separate the light source



Step6: light source

