

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

Model identifier	STK708v0ru940
Equivalent Models	N/A

Technical Document

Useful luminous flux	1600
On-mode Power (P _{on})	21.6 W
Beam angle in degrees for directional light sources (DLS)	45
Peak luminous intensity in cd for directional light sources (DLS)	3300
Correlated Colour Temperature	4000 K
Chromaticity coordinates (x,y)	0.38, 0.38
Colour Rendering Index (CRI)	Ra 97
Standby Power (P _{sb})	N/A
Networked Standby Power (P _{net})	N/A
R9 colour rendering index value for LED and OLED light sources	75
Survival factor for LED and OLED light sources	0.90
Lumen maintenance factor for LED and OLED light sources	0.979
Indicative lifetime L70B50 for LED and OLED light sources	50000
Displacement Factor (cos φ1)	0.9
Colour Consistency	SDCM ≤ 3
Luminance for HLLS	N/A
Flicker metric (P _{stLM})	N/A
Stroboscopic effect metric (SVM)	N/A
Excitation purity for CTLS	N/A
Weighted Energy Consumption	22 kWh/1000hrs
Energy Efficiency Class	G
Outer dimensions in mm	
Height	110
Width	65
Depth	65
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 η_{TM} , which is calculated by dividing the declared useful luminous flux Φ_{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 η_{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

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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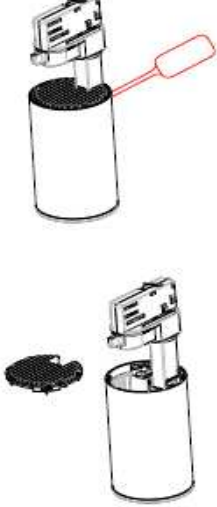

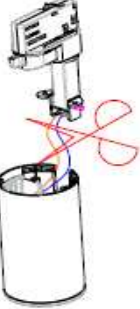


Model no.: FTK70800v0-db+025D045D

Light source model identifier: STK708v0830, STK708v0840

Light source: Removable

STK708v0830 I in: 600mA U in 36VDC

STK708v0840 I in: 600mA U in 36VDC

<p>Step1:whole fixtures</p> 	<p>Step2: Remove the cap</p> 	<p>Step3: Loose the screws</p> 
<p>Step4: cut down the wires</p> 	<p>Step5 : loose the screws and take out the driver, cut down the wires</p> 	<p>Step6 : select the 45° beam angle light source to test</p> <p>Light source</p>  <p>Press the lens for 45° beam angle</p> 