


Model	Code	Colour	CCT / λ
HM55-2CW12	HTL 000718	Cool white	8000 k
HM55-2W12	HTL 000719	White	6500 k
HM55-2NW12	HTL 000720	Natural white	4000 k
HM55-2WW12	HTL 000721	Warm white	3000 k
HM55-2R12	HTL 000722	Red	620 / 630 nm.
HM55-2G12	HTL 000723	Green	520 / 530 nm.
HM55-2B12	HTL 000724	Blue	460 / 470 nm.

Features

Module operating Voltage	DC 12V
Wattage (W/Module)	0,55 W
International protection level	IP66 / IP67
Operating temperature range	-40 C° ~ +60 C°
Storage temperature range	+5 C° ~ +40 C°
Storage environment humidity	RH < 60%
IEC protection class (with SELV power supply)	Class III
Distance (Centre Module / Module)	150 mm.
Viewing angle	165°
Life time (temperature Tc = 75 °C)	50.000h (L70)
Consistent white light	< 3 SDCM
Chain (No. Modules)	70 pcs
Bag (No. Modules)	140 pcs
Warranty (See terms and conditions)	 5 Years

Description

The new "GEMMA" series includes a wide range of LED modules for sign lighting. The exclusive optics with prisms, the high efficiency LEDs and low luminous decay, allow to reduce the quantity of modules required per square meter compared to common modules and to illuminate in a homogeneous and efficient way with significant energy saving.

The innovative sturdy structure and the facilitated removal of adhesive protection, significantly reduce installation and maintenance costs.

Applications

- Medium size channel letters illumination.
- Backlighting of single sided light boxes, depth 40 to 120 mm.
- Linear lighting.
- Architectural and decorative applications.

Benefits

- The new prismatic optics not only optimally diffuse the light, but it minimizes the dispersion allowing a conspicuous increasing of the efficiency and luminous homogeneity.
- The 3M VHB adhesive with the special protective film removal tab offers greater security and speed in fixing operations, contributing to cost reduction.
- Consistent white light 3-step MacAdam.
- Color rendering index Ra: >80.
- Production date is marked on back of module for traceability.



50.000 h



5 Years



12 VDC



RoHS



Data sheet

Electrical Datas

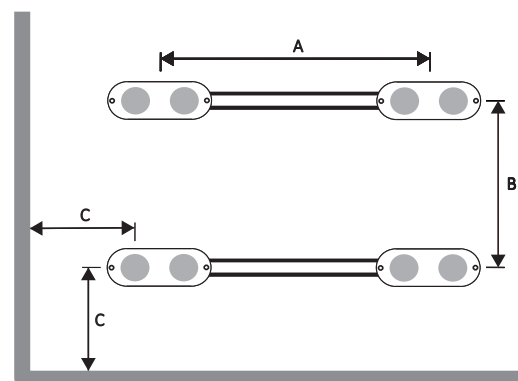
Model	Nominal voltage	Voltage range	Accidental reverse input voltage protection up to	Nominal wattage per chain	Nominal wattage per module
HM55-2CW12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W
HM55-2W12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W
HM55-2NW12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W
HM55-2WW12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W
HM55-2R12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W
HM55-2G12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W
HM55-2B12	12 VDC	11...13 VDC	13 VDC	38,5 W	0,55 W

Photometrical Datas





Model	Colour	Colour temperature CCT / λ	Color rendering index	Typical Luminous flux	Typical luminous efficiency
HM55-2CW12	Cool white	8000 k \pm 5%	> 80	59,5 Lm	108 Lm/W
HM55-2W12	White	6500 k \pm 5%	> 80	59,5 Lm	108 Lm/W
HM55-2NW12	Natural white	4000 k \pm 5%	> 80	59 Lm	107 Lm/W
HM55-2WW12	Warm white	3000 k \pm 5%	> 80	55 Lm	100 Lm/W
HM55-2R12	Red	620 / 630 nm.		22 Lm	40 Lm/W
HM55-2G12	Green	520 / 530 nm.		41 Lm	74 Lm/W
HM55-2B12	Blue	460 / 470 nm		11 Lm	20 Lm/W

Modules positioning (approximate indications)

Light box depth	A	B	C
40 mm	60 mm.	60 mm.	30 mm.
50 mm.	70 mm.	70 mm.	35 mm.
60 mm.	90 mm.	90 mm.	45 mm.
80 mm.	120 mm.	120 mm.	60 mm.
90 mm.	140 mm.	150 mm.	70 mm.
100 mm.	150 mm.	160 mm.	80 mm.
120 mm.	150 mm.	200 mm.	90 mm.



This product comply with the following European Standard: (download pdf)

 EMC - Directive 2014/30/EU EN 55015:2013/A1:2015 EN 61547:2009	 General safety requirement for luminaires EN 60598-2-20:2015 used in conjunction with EN 60598-1:2015+A1:2018 EN 62031:2020. IEC TR 62778:2014
 RoHS - Directive 2011/65/EU IEC 62031	 IP protection IEC 60529:1989+A1:1999+A2:2013