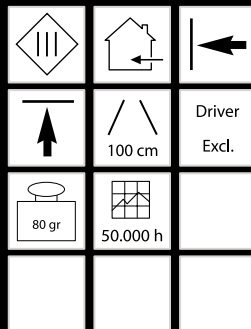




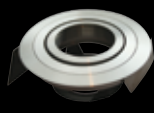
LEDs:	Luxeon K2-TFFC
Available colours:	Super warm white, 2950K
Available lenses:	Standard: 40° Optional: 16°
Power supply:	Max. 1000 mA
Power consumption:	Max. 4 Watt
Housing:	Aluminum
IP value:	IP40
Measurements:	Ø 50 mm, 44 mm (h)
Weight:	80 gr



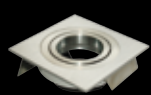
PRODUCTS	
	120005 CLS MR16 flood fixture 40° 1xTFFC warm white 2950K 1000mA
	120020 CLS MR16 tiltable round ceiling unit 1 hole alu-brushed
	120025 CLS MR16 tiltable square ceiling unit 1 hole alu-brushed
	122400 CLS LON/MR16 round ceiling unit alu-brushed
	122405 CLS LON/MR16 square ceiling unit alu-brushed



120005



120020



120025

120005	CLS MR16 flood fixture 40° 1xTFFC warm white 2950K 1000mA
120020	CLS MR16 tiltable round ceiling unit 1 hole alu-brushed
120025	CLS MR16 tiltable square ceiling unit 1 hole alu-brushed
122400	CLS LON/MR16 round ceiling unit alu-brushed
122405	CLS LON/MR16 square ceiling unit alu-brushed

122400

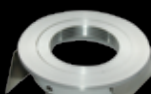
122405

87129905

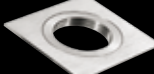
87129990

ACCESSORIES

87129915	CLS SmartConnect short circuit plugs (10pcs)
87129959	CLS SmartConnect extension cable betw. 2 junction boxes 5mtr
87129900	CLS SmartConnect, 2-fold junction box & short circuit connect.
87129905	CLS SmartConnect, 6-fold junction box & short circuit connect.
87129990	CLS Florence/MR16 16° lens spot including screw top



122400



122405



87129905



87129990

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8714660

872023

872019

87129911

ACCESSORIES

8720060	CLS MT33 LED driver for max. 3 pcs 700 mA LEDs 220-240VAC
87129948	CLS MT53 LED driver max. 4x700mA 12VA 230-240VAC
872018	CLS MTD43 LED driver 4x700mA/8x350mA 12VA mains dimmable
872023	CLS MT5K2 LED driver 4x1000mA 18VA dimmable 1-10V 110-240VAC
872010	CLS Dimmer electr. 1-10V for MT35/MT5K2 LED driver
872019	CLS Dimmer Jung phase cut max. 270VA 230-240VAC
8714660	CLS DMX-1000 LED driver/dimmer 350-1000mA DMX controllable
87129911	CLS DMX-1000 to SmartConnect connection set 3x2-fold 1 mtr



8714660



872023



872019



87129911

8720060	CLS MT33 LED driver for max. 3 pcs 700 mA LEDs 220-240VAC
87129948	CLS MT53 LED driver max. 4x700mA 12VA 230-240VAC
872018	CLS MTD43 LED driver 4x700mA/8x350mA 12VA mains dimmable
872023	CLS MT5K2 LED driver 4x1000mA 18VA dimmable 1-10V 110-240VAC
872010	CLS Dimmer electr. 1-10V for MT35/MT5K2 LED driver
872019	CLS Dimmer Jung phase cut max. 270VA 230-240VAC
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De Kink, The Netherlands



Matrixx, The Netherlands

--- MR 16 ---

Private property, The Netherlands

Private property, The Netherlands

CLS MR 16: The first reliable MR16 LED solution

For years there has been an enormous worldwide demand for a high-grade MR16 LED lamp to replace the traditional MR16 halogen lamp that generally only lasts 2,000-3,000 hours. There are numerous manufacturers of MR16 LED armatures, but none offer a sufficient light output that is combined with a guaranteed long lifespan. As a reputed manufacturer, CLS has succeeded in offering you a total solution that offers both a high light output and a warm light colour combined with an extremely long lifespan. In order to express our firm conviction of this total solution, we offer you a full guarantee for 3 years*!!

CLS has itemized all weak points of the traditional MR16 halogen lamps against the superseding MR16 LED lamps and has come to a creative, innovative replacement solution. Hereunder, we will outline the specific problems of MR16 lamps and will clarify why CLS offers the only solid replacement LED lamp for MR16 halogen lamps.

1) The light output of MR16 LED lamps decreases after a number of months. This is consequent to the fact that the casing is too small and thus offers too little cooling for a true high power LED. CLS has a solid milled CNC aluminum armature with a non-traditional design and size so the latest generation of 700 mA and even 1000mA Luxeon high power LEDs can be applied, and thus generate a long lifespan.

2) MR16 LED lamps generally do not reach the indicated life span. Besides the LED cooling problem, as mentioned earlier, most manufacturers build a driver in the small MR16 armature for the transition of the standard 12V transformer signal to a suitable LED voltage.

This transformer becomes either too hot when the LED is used at full power and defects, or the LED is controlled at a lower voltage to spare the converter. As a consequence, the light output is too low to function as an adequate alternative to the halogen lamp. CLS has spared this problem by working with an external LED driver (transformer).

3) The pins of traditional MR16 armatures often establish poor contact. CLS does not use pins to establish contact between the lamp and the existing armature. By means of a simple plug, the MR16 lamp can directly be connected to a special LED driver.

4) Compared to a halogen lamp, the MR16 light output is too low. CLS uses the latest generation of Luxeon K2 TFFC LEDs. These offer an extremely high light output for a consumed power of less than 4 Watt! Conclusion: due to all the previously mentioned arrangements, we are capable of combining a high light output with a maximum lifespan.

5) The light of a LED lamp is cold as compared to a halogen lamp. CLS uses specially selected LEDs with an extra warm white colour temperature that makes the light extremely soft and warm. It is clear that the CLS MR16 distinguishes itself from all other replacement lamps in many aspects. We are convinced that with our product, you will save on years of maintenance and energy costs.

* The offered 3 year guarantee only applies in combination with the original CLS LED drivers, type (see product numbers)