

# DC-MP DRAGONchain® Mounting Profile

## Preliminary Datasheet



### Benefits

- Fast mounting of DRAGONchain®
- Pre-assembly possible
- Efficient cooling of DRAGONchain®
- No thermal interfaces needed

### Application

- Back lighting of large light boxes
- Light ceilings
- Light walls

### Technical data and Ordering Guide

Product	EAN*	S-Unit*	Length [mm]	Width [mm]
DC-MP2200	4052899910294	6	2200	50
DC-MP1000	4052899910270	6	1000	50
DC-MC	4052899910317	66	45	41
LD-MB	4008321225672	12 x 5 x 5	32	22

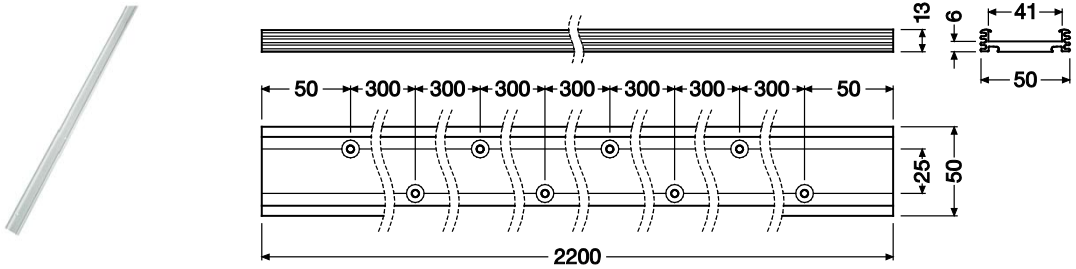
\*) EAN: Ordering number per single module; S-Unit: Modules per shipping unit

### Technical Features

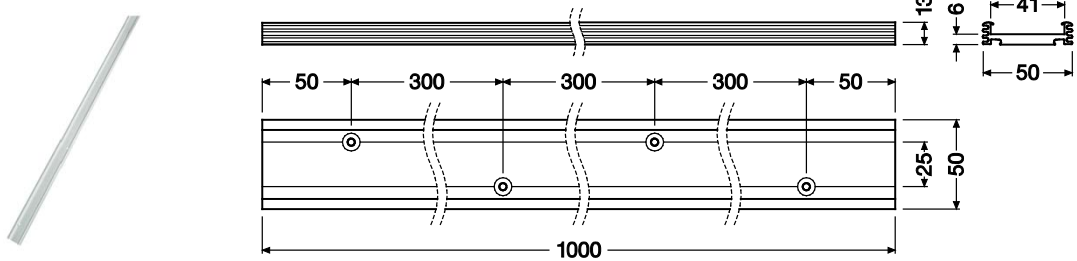
- Profile material: aluminium
- Fast and easy assembly and mounting
- Can be used as a heat sink
- DC-MP2200/DC-MP1000:
- Weight: 1680/764 g per profile
- Dimensions: L x B x H (mm): 1000/2200 x 50 x 13

## Drawings

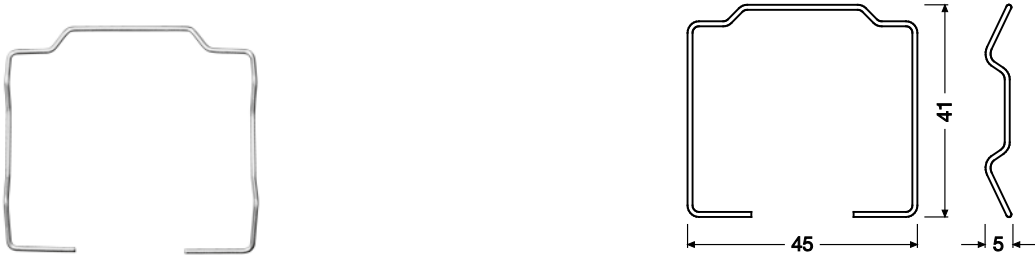
### DC-MP2200 Mounting Profile



### DC-MP1000 Mounting Profile



### DC-MC Mounting Clip



### LD-MB Mounting Bracket



## Assembly Information and Safety Information

- During the entire installation process, the personnel must be ESD-protected.
- For effective thermal management, the distance between two LED modules has to be at least 100 mm at a  $T_a$  (ambient temperature) of 25°C
- It must be ensured, that a  $T_c$  temperature of 75°C is not exceeded.
- Insert the open ends of the mounting clip into one side of the mounting profile, with the nose in the middle of the mounting clip pointing upwards.
- Make sure the mounting clip is centered above the lateral holes in the LED module.
- Push the nose of the mounting clip down until it snaps into the opposite side of the profile.
- Make sure that the V-shaped angles of the mounting clip are engaged in the modules' holes.
- In order to avoid shadowing effects, the cables between the LED modules can be folded on top of each other.
- The ribbon cables may be bended (folded) only once per position.
- the mounting clip is no substitute for a strain relief for the ribbon cables between the LED modules or for the feed cable of the first LED module.
- The maximum temperature ranges have to be maintained.
- Screw the mounting brackets (LD-MB) onto the desired surface.
- The mounting brackets have to be in line to each other.
- Please use chipboard screws with countersunk head and a maximum diameter of 4mm for the fixation of the mounting brackets.
- Place the mounting profile on the mounting brackets.
- Minimum distance between two mounting brackets is 500 mm.
- At least two mounting brackets have to be applied for profiles shorter than 500 mm.
- Push the mounting profile onto the mounting brackets until it snaps in.
- Make sure that no pressure is applied on the LED modules.
- Make sure that there is enough air space present around the profile to ensure an effective thermal management.
- Minimum distance between two profiles which are mounted in parallel is 50mm.
- With and without a mounting profile, it must be ensured, that a  $T_c$  temperature of 75°C is not exceeded.

## Sales and Technical Support

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Sales and technical support is given by the local OSRAM subsidiaries.

On our world wide homepage all OSRAM subsidiaries are listed with complete address and phone numbers.

## Further Information

- Brochure „A new approach to light“ 153 S006 GB
- OPTOTRONIC® Technical Guide 130 T008 GB [www.osram.com/ecg-downloads](http://www.osram.com/ecg-downloads)
- OSRAM LED systems [www.osram.com/led-systems](http://www.osram.com/led-systems)
- Datasheets for DC24B-TW, DC24B-RGBW [http://www.osram.com/osram\\_com/products/led-technology/modules/flexible-led-modules/index.jsp](http://www.osram.com/osram_com/products/led-technology/modules/flexible-led-modules/index.jsp)
- AppNote\_DRAGONchain [http://www.osram.com/osram\\_com/products/led-technology/modules/colored-color-change-led-modules/dragonchain-colormix/index.jsp](http://www.osram.com/osram_com/products/led-technology/modules/colored-color-change-led-modules/dragonchain-colormix/index.jsp)
- AppNote IP Protection <http://www.osram.com/media/resource/HIRES/333839/326035/esd-protection-led-systems.pdf>
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