

# DATASHEET

# HELIOS

## LiWe i1.5/1.9/2.6

### HELIOS LiWe series

#### HIGHRESOLUTION, LEIGHTWEIGHT LED-SYSTEM

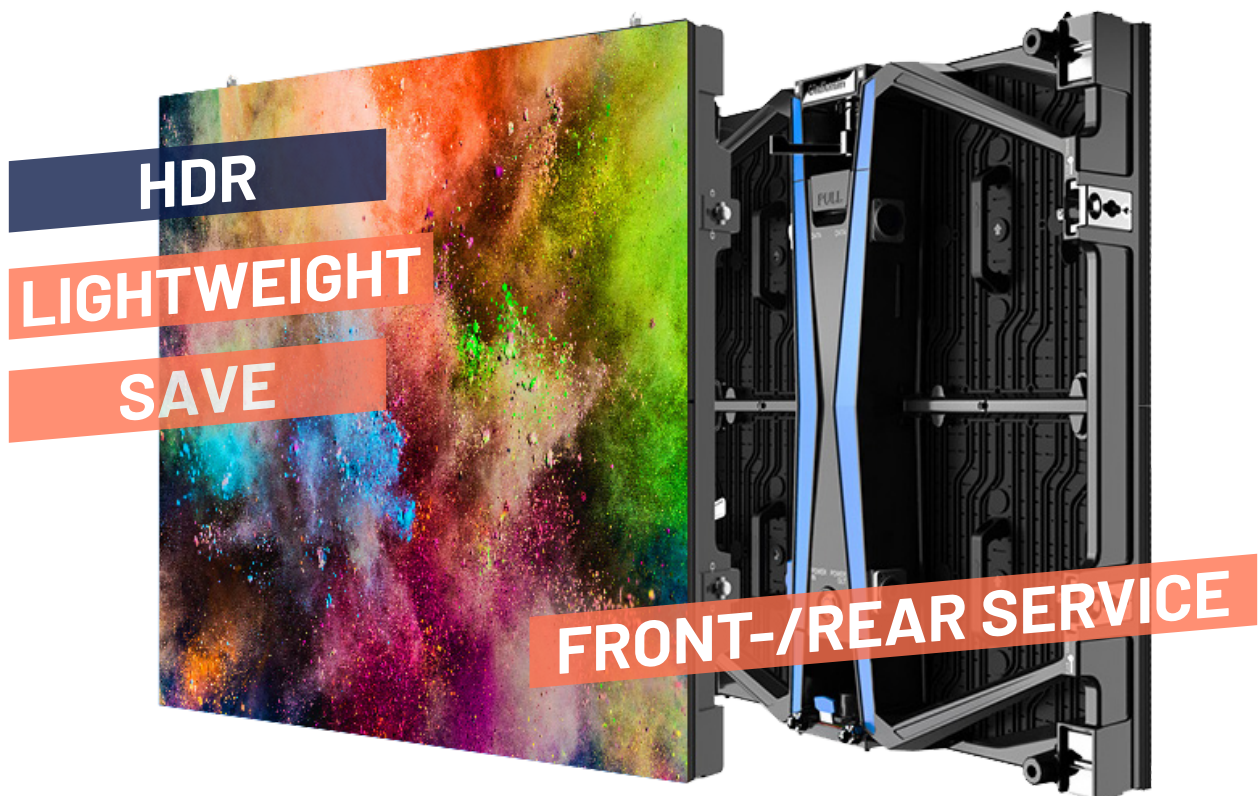
The HELIOS LiWe series (1.5/1.9/2.6 mm) is an universally applicable, lightweight LED system for presenting excellent image results for the highest demands.

It supports both concave and convex installation. In addition, external 90° corners can be installed using special corner cabinets.

The HELIOS LiWe system is designed for corporate event, broadcast and studio applications. The complete accessibility from the front and rear also extends the range of applications for trade fairs and fixed installations.

The HELIOS LiWe system was developed in collaboration with vision tools engineers and Unilumin. So it meets the highest quality standards and specifications.

LED BY VISION TOOLS



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## MECHANICAL FEATURES

- **ONE-MAN INSTALLATION:** Innovative, automatically locking vertical connection mechanism enables safe and easy assembly by **just one person**.
- **PRECISION:** The toughest specifications regarding the manufacturing precision of mechanical components give the Helios LiWe system **outstanding flatness** - even for installations under time pressure.
- **CURVING BLOCKS:** Easily changeable **curving blocks** offer maximum precision and flexibility at the same time.
- **FULL-FRONT/FULL REAR SERVICE:** All components can be removed from both the front and rear. The power supply unit can be quickly replaced in seconds using **Quicklock**.
- **LIGHT WEIGHT:** A cabinet weighs just 6.3 kg and therefore offers an average weight **saving of approx. 30%** compared to other systems. This makes **handling and transport much easier** and significantly **reduces the load** on the ceiling and floor in particular.
- **AUTOMATIC EDGE PROTECTION:** The automatic edge protection, which is mounted on the top and bottom of the devices, protects against collision and as a shock absorber when two cabinets are connected vertically.
- **FLIGHTCASE-SYSTEM:** The almost **contact-free transport** of the cabinets mounted on guiding rails in the transport cases further reduces the risk of damage.
- **CREATIVE INSTALLATIONS:** Curving, corner and ceiling/floor installations are made possible with this system.
- **STACKING:** The stacking system allows upright installation heights **up to 6 meters**.
- **HANGING:** Up to **24 devices** can be connected one below the other.

## ELECTRONIC FEATURES

- **HIGH CONTRAST:** The 1515 SMDs used offer an excellent black level and a high maximum **brightness of 1200 cd/m<sup>2</sup>**.
- **RECEIVING CARDS:** The latest generation **Novastar A10S Pro** is used.
- **GRAYSCALE:** The high-quality IC drivers used enable a real representation of 16 bits, which can be **increased to 18bit+** as an option.
- **CALIBRATION:** Dynamic greyscale calibration ex factory, together with **A10S Pro and MX40 processor** provide excellent image quality.
- **FLEXIBLE OPERATION THANKS TO A WIDE RANGE OF FRAME RATES:** The system supports frame rates of 48Hz, 50Hz, 60Hz, 100Hz and 120Hz.
- **CABLE CONNECTION:** The universal, safe and easy-to-use **powerCON TRUE1** is used in the HELIOS LiWe series to meet the high demands of the rental business.

LED by vision tools





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### HELIOS LiWe i1.5/1.9/2.6 mm

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The HELIOS LiWe series is a universally applicable, lightweight LED system. It enables both concave and convex mounting. In addition, external 90° corners can be installed using corner cabinets.

Technical Data	HELIOS LiWe i1.5	HELIOS LiWe i1.9	HELIOS LiWe i2.6
Pixel pitch	1.5 mm	1.9 mm	2.6 mm
Dimensions	500 x 500 x 70.1 mm	500 x 500 x 70.1 mm	500 x 500 x 70.1 mm
LED Type	4-in-1 Black LED	3-in-1 Black SMD	3-in-1 Black SMD
Pixel/Cabinet	320 x 320	256 x 256	192 x 192
Brightness	800 cd/m <sup>2</sup>	1,200 cd/m <sup>2</sup>	1,200 cd/m <sup>2</sup>
Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz
Bit depth	16 bit	16 bit	16 bit
Kontrast	4,000 : 1	6,000 : 1	6,000 : 1
Viewing Angle	H 160° / V 160°	H 160° / V 160°	H 160° / V 160°
Curving	10° concave / 5° convex	10° concave / 5° convex	10° concave / 5° convex
Service	Full-Front/Full-Rear	Full-Front/Full-Rear	Full-Front/Full-Rear
Ingress protection	IP30	IP30	IP30
Power consumption max.	150 W/device	120 W/device	160 W/device
Operating voltage	100-240 V/50-60Hz	100-240 V/50-60Hz	100-240 V/50-60Hz
Weight	7.6 kg	7.3 kg	6.3 kg
Cabinet material	Aluminium-magnesium	Aluminium-magnesium	Aluminium-magnesium
Certificates	TÜV, CE, RoHS, WEEE	TÜV, CE, RoHS, WEEE	TÜV, CE, RoHS, WEEE



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Errors, technical or other changes and product availability are subject to change without notice.