

# PRODUCT MANUAL LED DISPLAY

*Cheer Your World With Innovation*



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# About Us

Shenzhen Cheer Optoelectronic Co., Ltd. focuses on the development, design and application of LED photoelectric products. Its LED display business covers indoor and outdoor fields. Its product lines include outdoor HD screen , indoor fine pixel pitch screen, 3D screen, rental screen, shelf screen, Transparent type LED screen , Special shape designed screen, outdoor HD intelligent advertising screen and so on .

As the high technical enterprise of LED display screen integrating R& D production and sales ,we have already exported to more than 120 countries , with more than 1000 successful cases.



## Qualification Certification



## Our Service



### 7/24 Hours Service

Cheer provides you with one-stop services covered from installation to training and maintenance, insisting on customer-oriented corporate culture and attitude.



### 3 Years Warranty & Spare Parts

3 years warranty guarantees you reassuring user experience. We always care about your satisfaction.



### Over 10 Years Experience, Sales&Technical Support

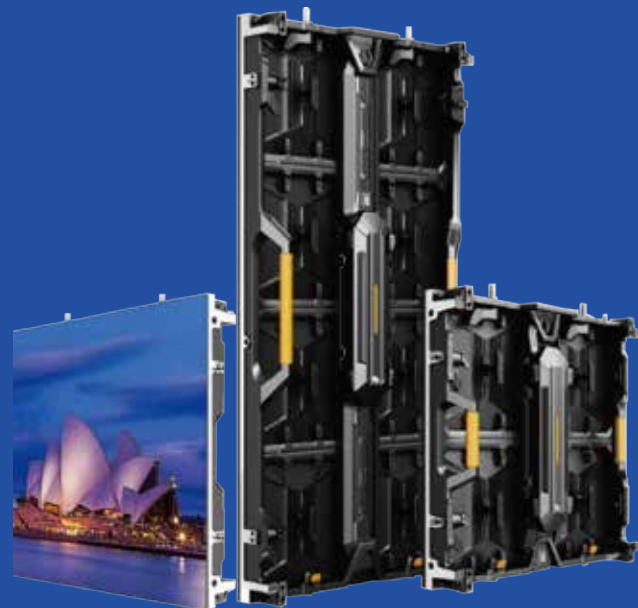
Based on the abundant experience team's cooperation of sales, technical and logistic department, Cheer provides excellent pre-sale services and after-sale services.

## Cheer Specialized Cost Saving Solution



Not only the intergrated solution of the whole LED display screen , Cheer also can provide LED screen components, including modules, power supplies, cables, and control cards, ensuring a seamless and integrated display system. Comprehensive Product Offering helps our customer to get more cose-effective display solution.





# Rental & Stage LED Display RS Series Standard

## Indoor&Outdoor Rental LED Display

Indoor and outdoor die-cast aluminum rental display screen with enhanced durability.



Anti-Collision Corner



Independent Power Box Fast Maintenance



3 Seconds Fast Installation



3840Hz



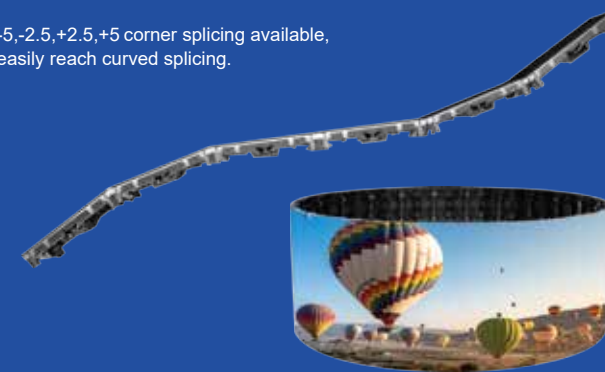
Arc Lock

## Parameter >>

Model	CHEER-RS2.6	CHEER-RS2.8	CHEER-RS3.9	CHEER-RS2.8	CHEER-RS3.4	CHEER-RS3.9	CHEER-RS4.8
Pixel Pitch	2.6mm	2.8mm	3.9mm	2.8mm	3.4mm	3.9mm	4.8mm
Environment	Indoor			Outdoor			
Brightness	700cd/m <sup>2</sup>			4500cd/m <sup>2</sup>			
Pixel Density	147456 dots/m <sup>2</sup>	123904 dots/m <sup>2</sup>	65536 dots/m <sup>2</sup>	123904 dots/m <sup>2</sup>	82944 dots/m <sup>2</sup>	65536 dots/m <sup>2</sup>	43264 dots/m <sup>2</sup>
Module Size(WxH)	250x250mm						
Panel Size	500x500x84mm/500x1000x84mm						
Panel Resolution	192x192/384 dots	176x176/352 dots	128x128/256 dots	176x176/352 dots	144x144/288 dots	128x128/256 dots	104x104/208dots
Panel Weight	7.2kg/13.2kg			7.5kg/13.5kg			
Ingress Protection	IP43			IP65			
Cuive(Convex Concave)	-5°, -2.5°, 0°, +2.5°, +5°						
ViewingAngle(HV)	140°/120°						
ContrastRate	5000:1			3000:1			
Input Power/Panel(Max)	480w/m <sup>2</sup>			560w/m <sup>2</sup>			
Input Power/Panel(Ave)	280w/m <sup>2</sup>			320w/m <sup>2</sup>			
Refresh Rate	3840Hz						
Input Voltage	AC100-240V 50-60Hz						
Standard Mounting Configuration	Hanging/Stacking						

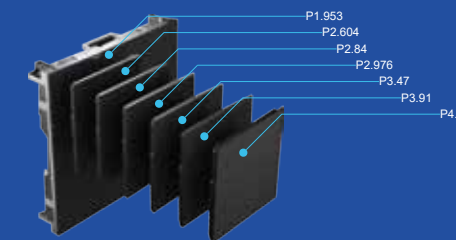
## Creative Slicing

-5,-2.5,+2.5,+5 corner splicing available, easily reach curved splicing.



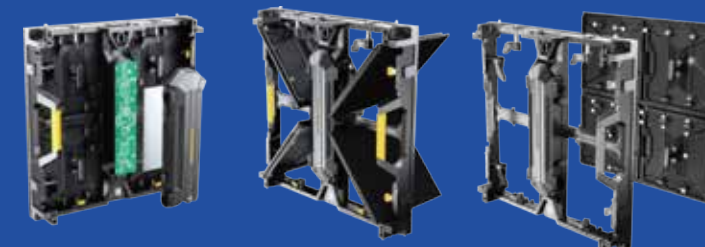
## Technical Parameters of Pixel Pitch

This LED display has two panel sizes for option, with pixel pitches from 1.9mm to 4.8mm, which can meet any demands with various stage display.



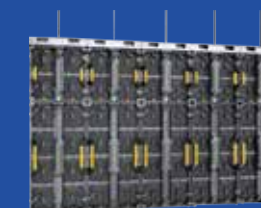
## Front and Rear Maintenance

Modular design effectively improves the mainance efficiency, saves the maintenance time and cost.

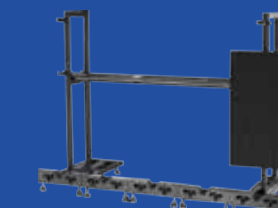


## Installation Method

Fast locks design, reach fast assembly and disassembly.



Hanging Installation



Floor-standing installation

## Wide Application





# Rental & Stage LED Display RP series Pro

Indoor&Outdoor Rental LED Display

Upgraded version of the indoor and outdoor die-cast aluminum rental display screen for improved performance.

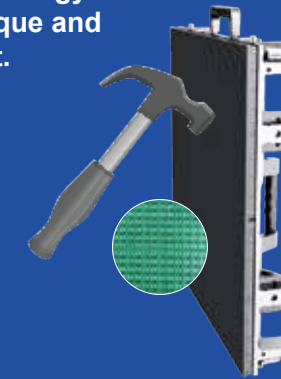
-   
 Current Sharing  
Power Supply, Refuse  
Blank Screen
-   
 Independent  
Power Box Fast  
Maintenance
-   
 High Flatness
-   
 $\geq 3840\text{Hz}$
-   
 Arc Lock

## Parameter »

TYPE	Indoor			Outdoor	
Model	CHEER-RP2.6	CHEER-RP2.976	CHEER-RP3.91	CHEER-RP2.976	CHEER-RP3.91
Pixel Pitch	2.6mm	2.976mm	3.91mm	2.976mm	3.91mm
Module Size	250x250mm				
Module Resolution	96x96 dots	84x84 dots	64x64 dots	84x84 dots	64x64 dots
Panel size	500x500mm/500x1000mm				
Panel Weight	500x500=6.5kg/500x1000=12kg				
Pixel Points/m <sup>2</sup>	147456	112896	65536	112896	65536
Panel Resolution	192x192/192x384	168x168/168x336	128x128/128x256	168x168/168x336	128x128/128x256
LED Lamp	SMD1515				
Scan	1/32	1/28	1/16	1/21	1/16
Refresh Frequency	$\geq 3840\text{Hz}$				
Average Power Consumption	300W/m <sup>2</sup>			350W/m <sup>2</sup>	300W/m <sup>2</sup>
Max Power Consumption	800W/m <sup>2</sup>			800W/m <sup>2</sup>	800W/m <sup>2</sup>
White balanced brightness	800-1000cd/m <sup>2</sup>	900-1200cd/m <sup>2</sup>		4000-4500cd/m <sup>2</sup>	

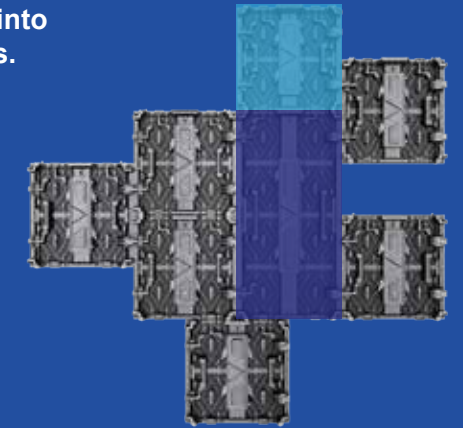
The latest anti-collision technology with higher anti-collision torque and impact resistance coefficient.

Using PCB anti-collision welding board with Enlarged solder pads.

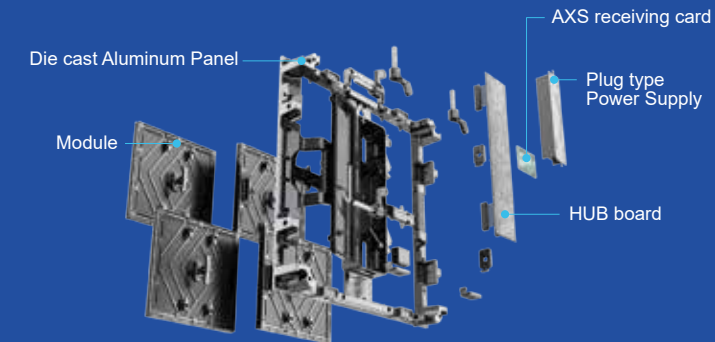


Can be spliced into irregular shapes.

Cabinet of 500\*500 and 500\*1000 can be mutually spliced, and can also be staggered for various creative displays.

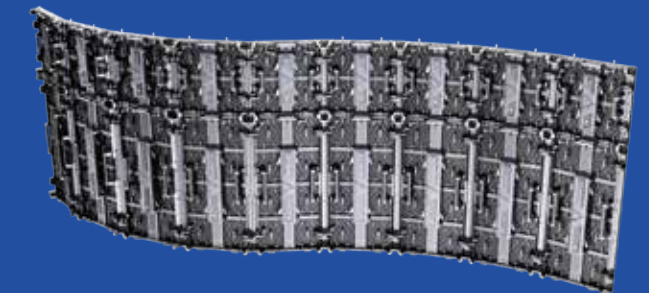


## Integrated modular design



## Arc lock design

Supports horizontal and vertical 160° viewing, achieving a wrap-around curved splicing experience.



## Wide Application





# Creative LED display LX Series

## Flexible LED Display



Indoor and outdoor soft module and flexible screen, offering versatile display options.



8 Times Technical Upgrade



8 Years' Market Experience



Super Wide View



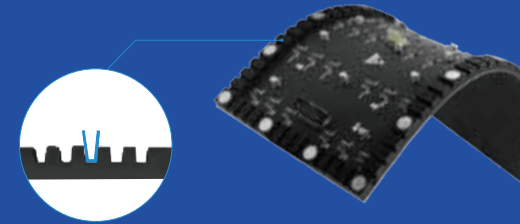
Max 120° Bending  
10000+ Times Folding Test

## Parameter ▶▶

Type	Indoor					Outdoor
Model	CHEER-LX1.25	CHEER-LX1.5625	CHEER-LX1.875	CHEER-LX2	CHEER-LX2.5	CHEER-LX4
Module Size	240×120	250×100	240×120	240×120	240×120	256×128
Module Resolution	192×96 dots	160×64 dots	128×64 dots	120×60 dots	96×48 dots	64×32 dots
Scan Mode	48	32	32	32	24	16
Refresh Rate	3840HZ					
Brightness	≥700cd/m <sup>2</sup>			≥800-1200cd/m <sup>2</sup>		≥4500cd/m <sup>2</sup>
Viewing Angle	120°/120°					
Gray scale	≥14Bit					
Power Consumption	17.5W/Pcs					
Usage	Indoor					Outdoor
Brightness Control	0-255					
Operator Voltage	AC100-220V/50/60HZ					
Working Temperature	-20°C~60°C					
Working Humidity	10-90%RH					
Lifetime	100,000Hours					

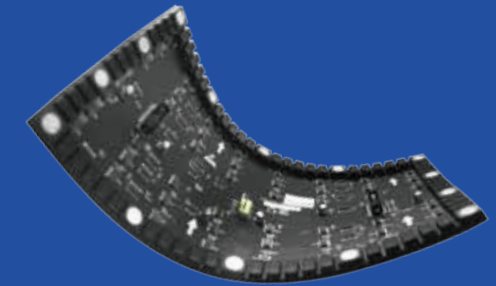
## Easy to Bend for Convenient Use

A soft led module is less than 2cm thick and is pliable up to 120°. It passed 10,000 folding tests and easily fits all curved surfaces.



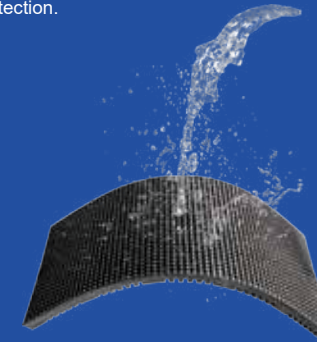
## Reliable High-quality Product

Composed of layers of quality raw materials, the flexible led module uses highly fireproof PCBs and soft bottom housing, thoroughly ensuring its reliability.



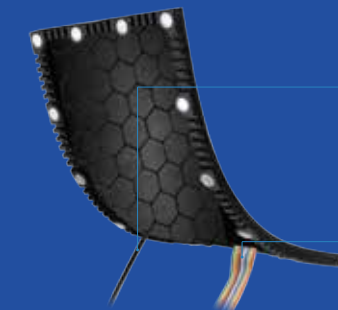
## High Protection for outdoor design

Both the front and back sides are filled with waterproof adhesive to improve protection.



## Wire Rod for outdoor design

Equipped with waterproof signal cable and waterproof power plug.



Waterproof Power Cable



Customized Waterproof Signal Cable

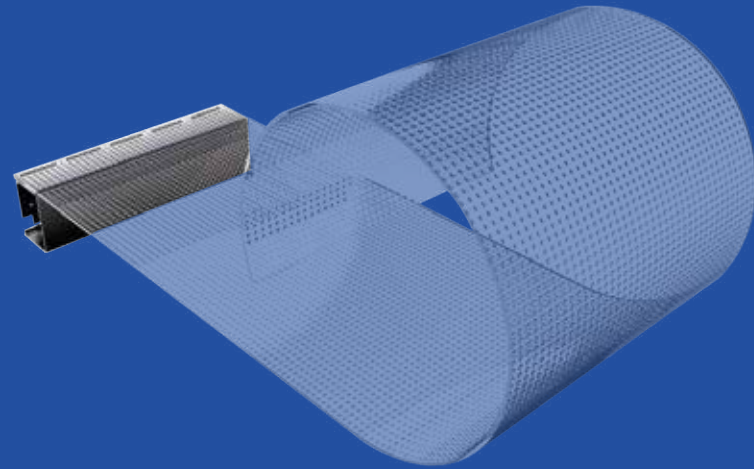
## Wide Application



# Creative LED display TF Series

Transparent Film LED Display

Indoor crystal film display screen for high-quality visual experience.

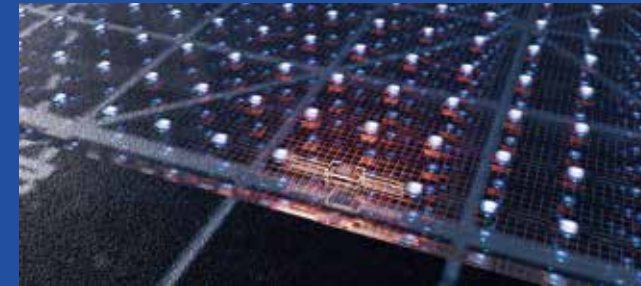


## Parameter »

Model	CHEER-TF6	CHEER-TF8	CHEER-TF10	CHEER-TF15	CHEER-TF20
Module size	816×384mm	1000×400mm	1000×400mm	990×390mm	1000×400mm
LED light	CH1515			CH2121	
Module pixel	136×64=8704 dots	125×50=6250 dots	100×40=6250 dots	66×26=1716 dots	50×20=1000 dots
Pixel/m <sup>2</sup>	27777	16500	10000	6625	2500
Brightness	2000/4000CD/m <sup>2</sup>				
Permeability	90%	92%	94%	94%	95%
Angle of view	160°/160°				
Peak power	400w/m <sup>2</sup>				
Average power	200w/m <sup>2</sup>				
Weight	1.3kg				
Thickness	2.5mm				
Refresh rate	3840Hz				
Grayscale level	16bit				
Typical value of life	100000H				

## Mini LED and Breakpoint continuation

The combination of light and drive, independent research and development, high reliability, industry leading

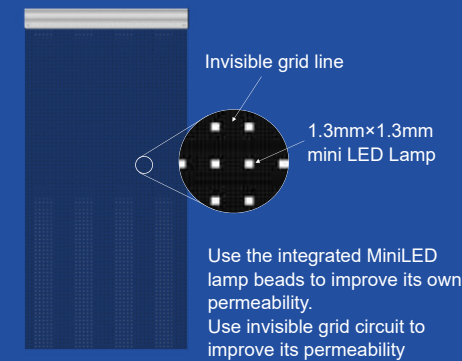


## Easy installation

No steel structure is required, just stick the thin screen slightly and connect the power signal.

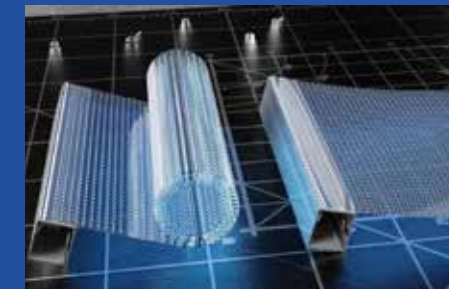


## High Transmittance



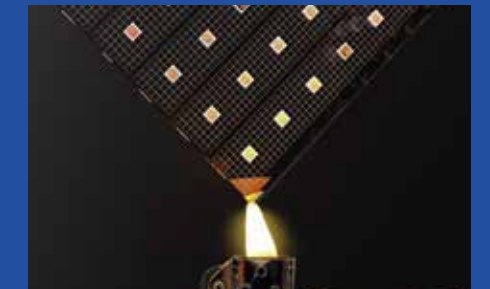
## Flexibility

Applies to any surface  
Fig. 1 Real shot of module curled into a circle  
Surface case



## Flame retardant and UV resistant

Grade V1 flame retardant  
Uv resistance without yellowing >8 years



## Wide Application

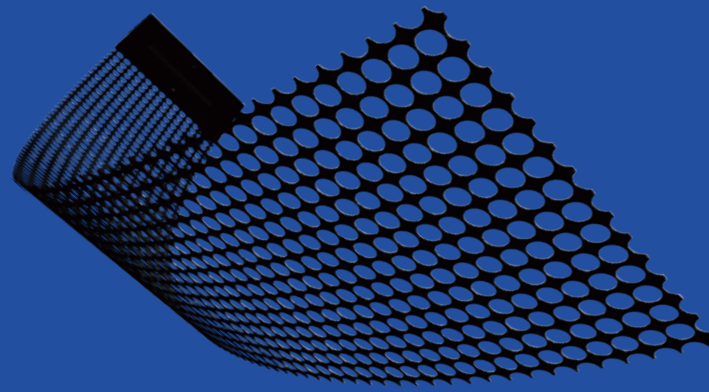




# Creative LED display HI Series

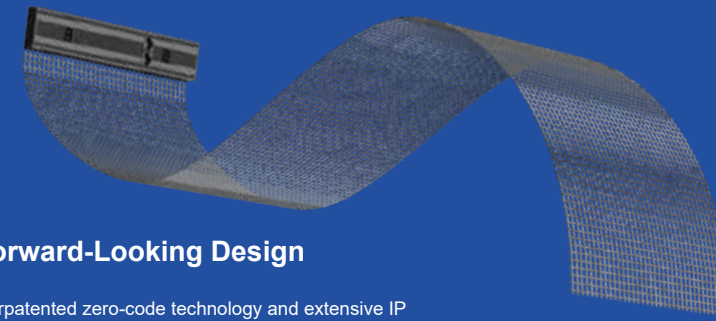
Holographic Invisible LED Display

Indoor holographic LED display screen for captivating visual effects.



## Parameter »

Model	CHEER-HI3.91	CHEER-HI6.25
Pixel Spacing	H:3.91mm; V:3.91mm	H:6.25mm; V:6.25mm
Led lamp	SMD1717	SMD2121
Pixel Density	65536 dots/sq.m	25600 dots/sq.m
Module Size	1000×250mm/1500×250mm	1000×250mm/1500×250mm
Module Resolution	256×64 dots/384×64 dots	160×40 dots/240×40 dots
Brightness	3000/1500CD/m <sup>2</sup>	3000/1500CD/m <sup>2</sup>
Refresh Rate	≥3840Hz	
Weight	1.5kg/Piece (6kg/m <sup>2</sup> )	
Transparency	92%	
Viewing Angle	140°/120°	
Average Power	200W/m <sup>2</sup>	
Max Power Consumption	800W/m <sup>2</sup>	
Grayscale level	16bit	
Operator Voltage	AC100–220V/50/60HZ	



## Forward-Looking Design

Our patented zero-code technology and extensive IP portfolio set a new global standard for invisible screen displays.

## Unparalleled Transparency

With up to 90% transparency, the Holographic Invisible Screen seamlessly integrates into any environment.

## Versatile Installation

Easily installed without a back frame and can be cut or bent to fit any space.

## High Brightness



## Lightweight(2kg/m<sup>2</sup>)

Easily installed without a back frame and can be cut or bent to fit any space.

## Thin(1-3mm)

Seamlessly integrates with glass and other surfaces.

## Up to 90% Transparency

Delivers an unobtrusive, fully transparent display experience.

## Wide Application





# Creative LED display OM Series

## Outdoor Mesh LED Display

Outdoor transparent grid screen for see-through display applications.



Light



IP65



Freely Assembly



Energy



All-weather

### Parameter >>

Model	CHEER-OM3.9x7.8	CHEER-OM5.2x10.4	CHEER-OM10.4x10.4	CHEER-OM15.6x15.6
Pixel Pitch	H:3.9mm; V:7.8mm	H:5.2mm; V:10.4mm	H:10.4mm; V:10.4mm	H:15.6mm; V:15.6mm
Transparency	53%	65%		80%
Pixel Density	32768 dots/sq.m	18432 dots/sq.m	9216 dots/sq.m	4096 dots/sq.m
Scanning method	1/8	1/4	1/2	Static
Refresh Rate	5120-7000Hz	3840Hz		5120-7000Hz
Brightness	≥4500CD			
LED Specification	SMD1921		SMD2727	
Maximum viewing angle	140°/140°			
LED lamp life	≥100,000 hours			
Maintenance	Front / Rear			
Protection grade	IP65			
Cabinet size	1000×500×80mm			
Weight	15kg/m <sup>2</sup>			
Input Power(Max/Ave)	800/240w/m <sup>2</sup>			
Input voltage	AC100-240V 50/60Hz			

### Good light transmittance

Less wind resistance and safer



### IP65 waterproof, no fear of weather changes

High and low temperature resistance

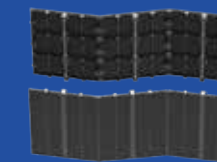


### 15° angle-cut arc lock cabinet combination method

The lock can be adjusted according to the scale achieve -15° internal/external arc of adjacent cabinets.



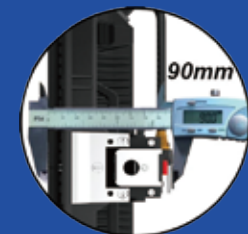
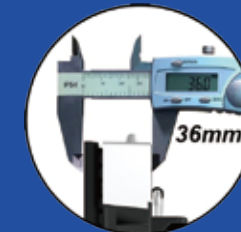
Combined into a 90° right-angled screen, Combined into squarecolumn screen



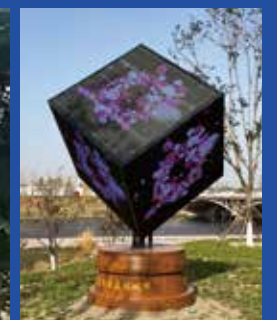
Cabinet with curved locking angle of 15° ,can be customized according to needs combined to form a curved screen with a wider viewing angle

### CNC precision machining cabinet

Super slim cabinet



### Wide Application



# Creative LED display SF series

## Indoor&Outdoor Sphere LED Display

Indoor and outdoor spherical display screen for unique and immersive visual presentations.

-  Super Wide View
-  Good Fire Retardency
-  Customization
-  Max 3840Hz
-  Seamless Splicing



### Parameter >>

Model	CHEER-SF1.5	CHEER-SF1.8	CHEER-SF2.0	CHEER-SF2.5	CHEER-SF3	CHEER-SF4		
Pixel Pitch	1.5mm	1.8mm	2.0mm	2.5mm	3mm	4mm		
Pixel Density	428000 dots/sq.m	290000 dots/sq.m	250000 dots/sq.m	160000 dots/sq.m	111111 dots/sq.m	62500 dots/sq.m		
Spherical Diameter/Weight	0.5m/30kg	1m/90kg	1.2m/120kg	1.5m/220kg	1.8m/300kg	2m/360kg	2.5m/360kg	3m/360kg
Scanning method	1/58	1/52	1/48		1/32			
Grayscale level	16bit							
View Distance	1.5m	1.8m	2m	2.5m	3m	4m		
Maximum viewing angle	360°							
Brightness	600CD		700CD		900CD			
Refresh Rate	3840Hz							
IP Rating ( front/back)	IP54 (IP65 can be customized)							
Input Voltage	AC100-240V 50-60Hz							
Lifetime	100,000Hours							
Working Temperature	-20°C~60°C							
Working Humidity	10-90%RH							
Maintenance	Front							

### Seamless Splicing

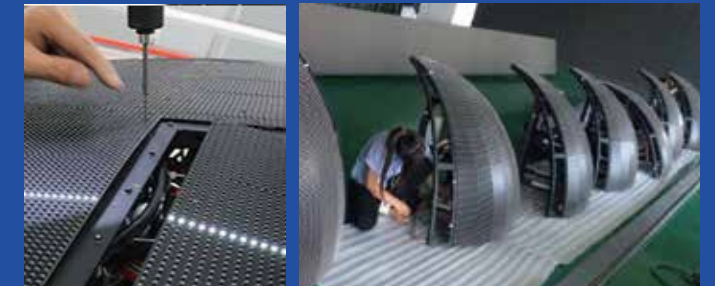
Using trapezoidal circuit design, it can achieve seamless splicing;



supports uniform sampling technology to ensure that the display image is not distorted.

### Good heat dissipation

Adopts an aluminum structure heat dissipation solution.



### Silicone gel encapsulation for pixel front waterproofing (outdoor only)

Ensures that outdoor display projects have sufficient brightness, the color of the silicone gel can be customized according to project requirements, and matching with the building's exterior colors.

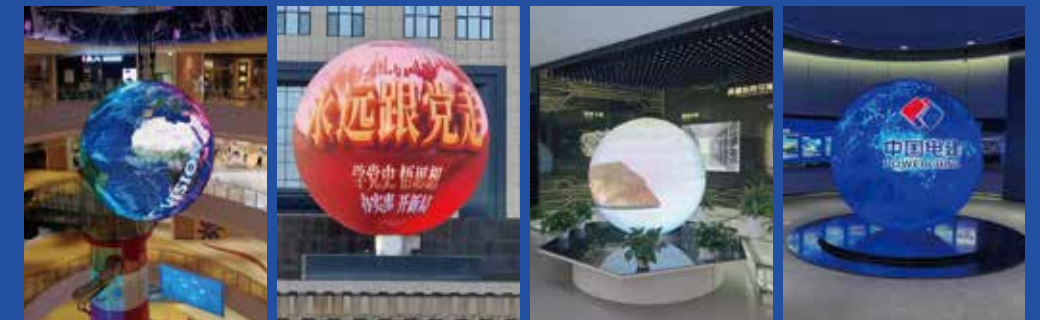


### Fully sealed waterproof structure with protection level up to IP67 (outdoor only):

Uses high and low-temperature resistant silicone wires, with professional waterproof connectors, and can work within a temperature range of -20 to 80 degrees Celsius.



### Wide Application





# Creative LED display CZ Series

## Customized LED Display

Customized indoor and outdoor display screens for various shapes and sizes.



Max 10,000 Nits



Max 3840Hz



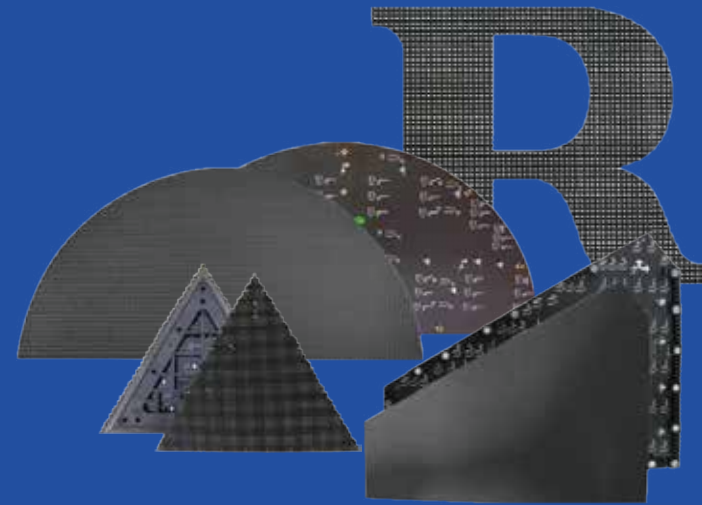
Energy Saving



Front&Rear Service



Good Fire Retardancy



## Parameters customized according to the project »



### Parameters

Pixel Pitch	4mm
Gray Scale	≥12Bit
Pixel Density	62500 dots/m <sup>2</sup>



### Parameters

Pixel Pitch	2.5mm
Gray Scale	≥12Bit
Pixel Density	160000 dots/m <sup>2</sup>

## 1:1 inquiry

There are always some very important and special occasions that need to be the focus of attention. For creative screens, rich styling and unique design are essential.



Pixel Pitch	4mm
Gray Scale	≥12Bit
Pixel Density	62500 dots/m <sup>2</sup>



Pixel Pitch	1.8mm
Gray Scale	≥12Bit
Pixel Density	308641 dots/m <sup>2</sup>

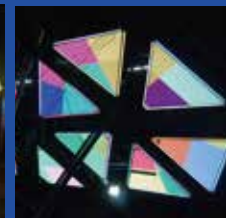
## Creative Trumpet LED Display

The trumpet led screen is composed of conventional flexible led modules and sector flexible led modules. Height can be customized.



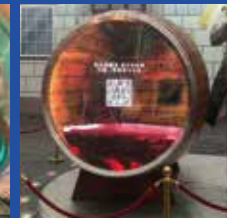
## Creative Triangle LED Display

LED display with triangle led module design, any size can be customized according to the clients requests.



## LED Donut/Circle LED Screen

The circle led display consists of fan shape led modules. Fan shape led module is the combine of the led display and the art aesthetic. Circle led screen can be customized. Beautiful appearance good presentation effect.



## Wide Application



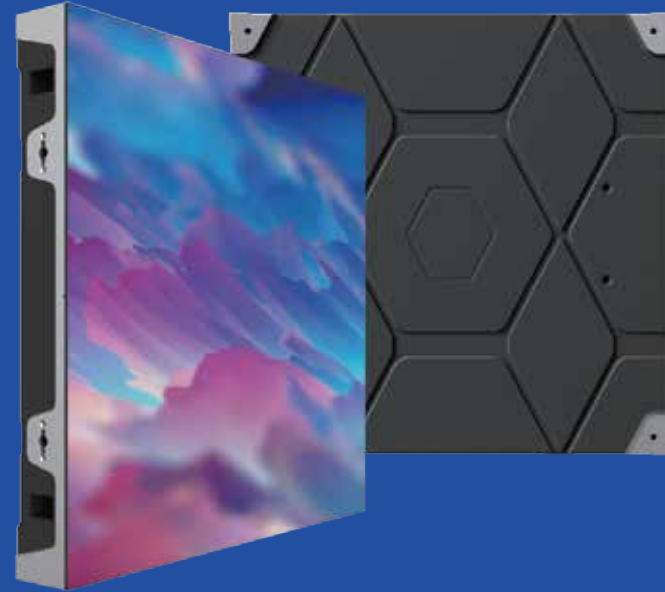


# Commercial LED display HD Series

## Ultra HD Fine Pixel Pitch LED Display

Ultra-high-definition product designed for the fine-pitch LED display market. It provides high-quality display applications.

-   
Super Wide View
-   
Full and Half Size
-   
Easy Maintenance
-   
Front Service
-   
GOB Optional

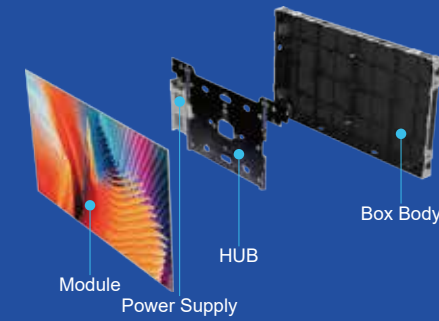


### Parameter >>

Model	CHEER-HD1.25	CHEER-HD1.579	CHEER-HD1.875	CHEER-HD2.5
Pixel Pitch	1.25mm	1.579mm	1.875mm	2.5mm
Cabinet Resolution	384x384 dots	304x304 dots	256x256 dots	192x192 dots
Pixel Density	640,000 dots/m <sup>2</sup>	401,084 dots/m <sup>2</sup>	284,444 dots/m <sup>2</sup>	160,000 dots/m <sup>2</sup>
Pixel Configuration	SMD1010	SMD1010/1212	SMD1515	SMD2121
Cabinet Size	480x480x58mm			
Brightness	200~800cd/m <sup>2</sup>			
Gray Scale	10~16Bit			
IP Level	IP41			
Frame Rate	50/60Hz			
Refresh Rate	≥3840Hz			
Max Power Consumption	≤725w/m <sup>2</sup>	≤680w/m <sup>2</sup>	≤600w/m <sup>2</sup>	≤520w/m <sup>2</sup>
Avg Power Consumption	≤290w/m <sup>2</sup>	≤270w/m <sup>2</sup>	≤240w/m <sup>2</sup>	≤200w/m <sup>2</sup>
Lifetime	100,000Hours			
Cabinet Weight	5.85kg			

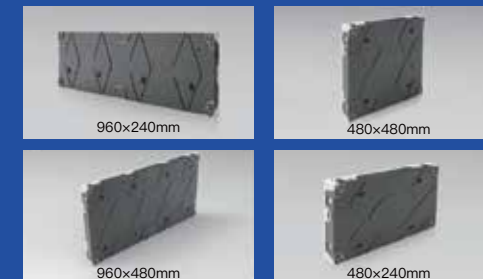
### Hard Connection

All parts adopt customized hard connector to realize wireless; Connection, Internal High Integration Design, Hot Plug-in Support.



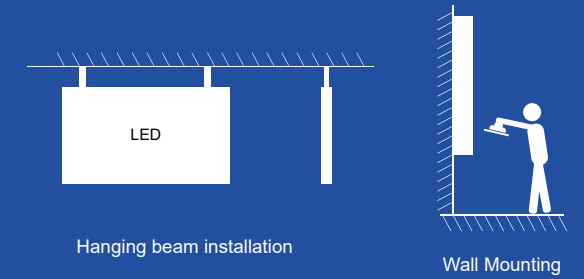
### Full and Half Size

Customizable cabinet sizes are available to meet the specific needs of different application scenarios as per customer requirements.



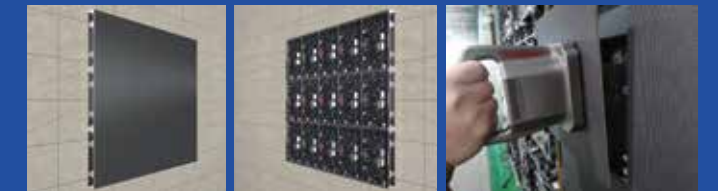
### User-Level Usage Experience

The autonomous connectors are patent protected; The box body can be hoisted or wall mounted for multiple purposes.



### Easy Maintenance

Support full front maintenance, featuring hot-plug modules and cable-free connection.



### Wide Application



# Commercial LED display COB Series

## COB LED Display

Small pixel pitch display screen and COB display screen for high-resolution and seamless images.



### Parameter »

Model	CHEER-COB0.75	CHEER-COB1.0	CHEER-COB1.25	CHEER-COB1.50
Cabinet Resolution	640x360	480x270	384x216	320x180
Brightness	Factory delivery standard: 1000nits(Colour temperature 6500K)			
Pixel Density	1,777,778 dots/sqm	1,000,000 dots/sqm	640,000 dots/sqm	444,444 dots/sqm
Cabinet Dimension	480mmx270mmx28mm			
Cabinet Weight	3.11Kg/Panel,24Kg/sqm			
Refresh Rate	≥3840Hz			
Flatness between modules	≤0.1mm			
LED Chip	Flip Chip COB			
Maximum Contrast	≥1000000:1, Ultra high contrast ratio			
Gray Scale (Bit)	18-20Bits (Control system algorithm processing)			
Peak power	≤500W/ m <sup>2</sup> @800nits	≤400W/ m <sup>2</sup> @800nits	≤380W/ m <sup>2</sup> @800nits	
Average power	150~250W/m <sup>2</sup>			

Model	CHEER-CN0.78125	CHEER-CN0.9375	CHEER-CN1.25	CHEER-CN1.5625
Cabinet Resolution	768 x 432	640 x 360	480x270	384x216
Brightness	Factory delivery standard: 1000nits(Colour temperature 6500K)			
Pixel Density	1,638,400 dots/sqm	1,137,778 dots/sqm	640,000 dots/sqm	409,600 dots/sqm
Cabinet Dimension	600mmx337.5mmx28mm			
Cabinet Weight	4.69Kg/Panel,23.16Kg/sqm			
Refresh Rate	≥3840Hz			
Flatness between modules	≤0.1mm			
LED Chip	Flip Chip COB			
Maximum Contrast	≥1000000:1, Ultra high contrast ratio			
Gray Scale (Bit)	18-20Bits (Control system algorithm processing)			
Peak power	≤500W/ m <sup>2</sup> @800nits	≤400W/ m <sup>2</sup> @800nits	≤380W/ m <sup>2</sup> @800nits	
Average power	150~250W/m <sup>2</sup>			

### Ultra Thin (28mm) & Light

Cabinet Size: 480x270 mm  
Weight: 3.11 kg

Cabinet Size:600x337.5 mm  
Weight: 4.69 kg



28 mm for wall mounting 100% front service

Wall Mounting

### Flip Chip COB Unique Design

High stability and reliability, anti-collision,moisture-proof, dust-proof, seamless, no optical stitching, extremely visual experience, 100% front maintenance, hot plugging.



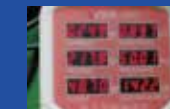
### Excellent Power Saving Ultra Low Temperature Rise



Start Temperature



Temperature After 60 Mins



Only 49W / 480x270mm P1.25 COB panel @ 1000 nits



### High Grayscale Technology Ultra High Contrast Ratio 1000000:1

By Control system algorithm processing 22bits+, screen can reach as high as 20bits performance quality. The greater the contrast, the clearer the image, and the brighter the color prolong the screen service life. Super high contrast supports all levels of colors, which can easily display vivid and rich colors



Before



Contrast 1000000:1



After



Contrast 1000000:1

### Wide Application





# Commercial LED Display AO Series

All-In-One LED Display

All in one LED display screen integrates all the necessary components into a single unit, providing a seamless and compact solution for displaying content.



Seamless Splicing



Long Lifetime



Good Heat Dissipation



Fanless Design



Low Failure Rate

## Parameter >>

Model	CHEER-AO1.25 108"	CHEER-AO1.56 135"	CHEER-AO1.875 163"	CHEER-AO2.3 216"
Pitch	P1.25	P1.56	P1.875	P2.3
Product size	2400×1350×51mm	3000×1687.5×51mm	3600×2025×51mm	4800×2700×51mm
Resolution	1920×1080Pixles	1920×1080Pixles	1920×1080Pixles	1920×1080Pixles
Cabinet Weight	105/kg	145/kg	190/kg	240/kg
Gray Scale	16bit			
Refresh Rate	3840Hz			
Brightness Intensity	600–1000cd/m <sup>2</sup> ((8 levels adjustable)			
Viewing Angle	160°/160°			
Average Power	900W/Pcs	900W/Pcs	1000W/Pcs	2720W/Pcs
Installation	Wall hanging/floor/hoisting			
Lifetime	100,000Hours			
Operator Voltage	AC100–220V/50/60HZ			
Working Temperature	–20°C~60°C			
Working Humidity	10–90%RH			

## GOB/COB



## Highly Integrated



Integrated 90%

## Shutter style 3D - immersive experience



Dual operating system  
Supports seamless switching between Windows and Android dual systems, and supports customized apps

Supports multiple expansion modes



Support cloud platform cluster management



Multiple combination applications  
Customizable non-standard sizes to meet various scenario applications



## Wide Application







# DOOH LED Display FP Series Pro

Indoor&Outdoor Fixed LED Display

Indoor & outdoor front maintenance die casting fixed LED display series Pro version, suitable for outdoor advertising, markets, squares, theme parks, stadiums, etc.



Max 10,000 Nits



Max 3840Hz



Energy Saving



Front&Rear Service



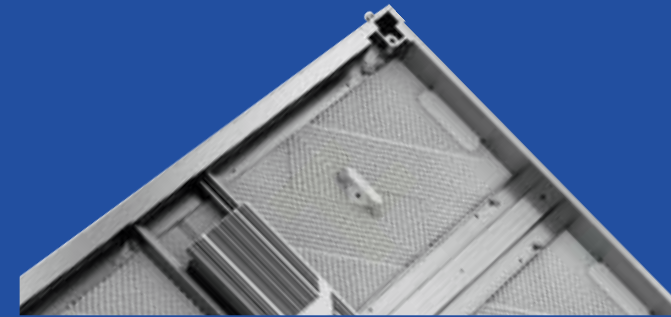
Good Fire Retardency

## Parameter ▶▶

Model	CHEER-FP4.44	CHEER-FP5.7	CHEER-FP6.66	CHEER-FP8	CHEER-FP10
Pixel Pitch	4.44mm	5.7mm	6.66mm	8mm	8mm
Pixel Density	50635 dots/m <sup>2</sup>	30625 dots/m <sup>2</sup>	22500 dots/m <sup>2</sup>	15625 dots/m <sup>2</sup>	10000 dots/m <sup>2</sup>
Module size	480×320mm				
Module Resolution	108×72 dots	84×56 dots	72×48 dots	60×40 dots	60×40 dots
Cabinet Size	960×960×77mm				
Cabinet Resolution	216×216 dots	168×168 dots	144×144 dots	120×120 dots	96×96 dots
Cabinet Weight	25kg				
IP Rating ( front/back)	IP65				
Brightness Intensity	>6000cd/m <sup>2</sup>		>6500cd/m <sup>2</sup>		
Viewing Angle (H/V)	140°/140°				
View Distance	>5m	>7m	>8m	>10m	>12m
Gray Scale	14bit				
Display Scale	16.7M				
Input Voltage	AC100–240V 50–60Hz				
Max.Power Consumption	650w/m <sup>2</sup>		680w/m <sup>2</sup>	650w/m <sup>2</sup>	
Ave.Power Consumption	220w/m <sup>2</sup>		240w/m <sup>2</sup>	220w/m <sup>2</sup>	
Drive Mode	1/9s	1/7s	1/6s	1/4s	1/2s
Refresh Frequency	≥3840Hz				

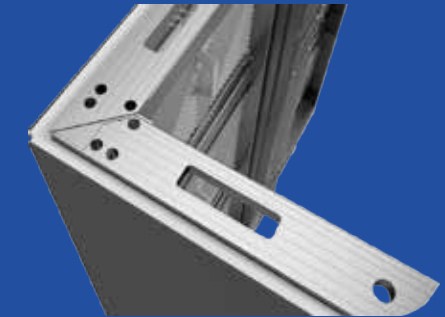
### High heat dissipation

Full die cast aluminum kit, high heat conduction efficiency, ripple heat sink, high rib area and large area.



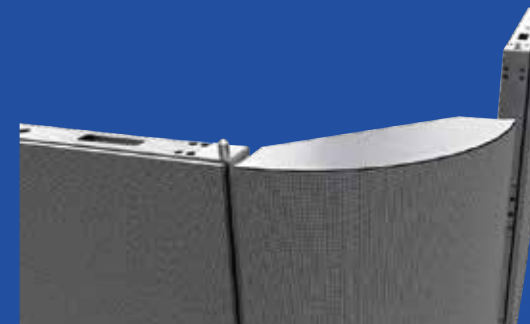
### Right angle splicing

The module comes standard with beveled edges and supports direct splicing.



### Arc splicing

40×320mm small module, supporting 90 degree arc splicing.



### Front and rear maintenance design

Power box front maintenance design, module front maintenance design.



## Wide Application



# DOOH LED Display FS Series Standard

## Outdoor Fixed LED Display

Classic outdoor fixed installation display screen, cost-effective choice to meet your display needs.



Waterproof



High Refresh Rate



Ultra HD



Good Fire Retardency



Front Service

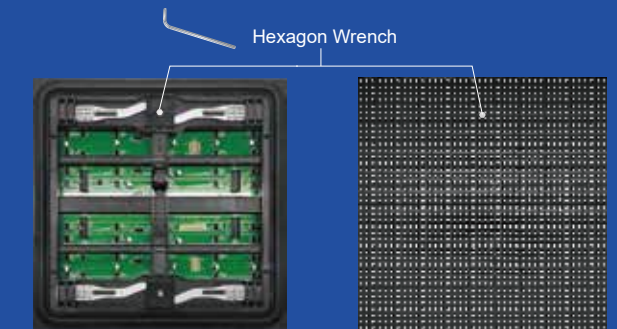
### High Protection

Adopting an independent waterproof module and excellent sealing box, with an erosion resistant mask design.



### Front and rear dual maintenance

Dual maintenance can be easily achieved using a hexagonal wrench.



### High Brightness Display

The key to a quality outdoor advertising LED screen billboard is variable brightness for any condition day or night. Meiyad Traditional advertising outdoor LED screen has brightness offerings between 6500-7500 Nit.



### Stable, Reliable Connections

Traditional outdoor advertising LED display billboard utilizes data and power connections that are 100% water tight allowing for stable and reliable connections between each outdoor LED display cabinet.



## Parameter ▶▶

Model	CHEER-FS3.57	CHEER-FS3.84	CHEER-FS4	CHEER-FS5	CHEER-FS6.67	CHEER-FS8	CHEER-FS10
Pixel Pitch	3.57mm	3.84mm	4mm	5mm	6.67mm	8mm	10mm
Pixel Density	78400 dots/m <sup>2</sup>	67600 dots/m <sup>2</sup>	62500 dots/m <sup>2</sup>	40000 dots/m <sup>2</sup>	22500 dots/m <sup>2</sup>	15625 dots/m <sup>2</sup>	10000 dots/m <sup>2</sup>
Module Resolution	56×56 dots	52×52 dots	80×40 dots	64×32 dots	48×48 dots	40×40 dots	32×32 dots
Module Size	200×200mm			320×160mm			
Cabinet Size	1000×1000mm			960×960mm			
Brightness	5500cd/m <sup>2</sup>						
Gray Scale	≥14Bit						
Viewing Angle	140°/140°			120°/120°			
Scanning Method	1/14s	1/13s	1/10s	1/8s	1/6s	1/5s	1/2s
Protection Grade	IP65/54						
Refresh Rate	≥1920Hz						
Viewing Distance	≥4m			≥5m	≥7m	≥8m	≥10m
Max Power Consumption	1000W/m <sup>2</sup>	900W/m <sup>2</sup>	1100W/m <sup>2</sup>	850W/m <sup>2</sup>	750W/m <sup>2</sup>	600W/m <sup>2</sup>	1000W/m <sup>2</sup>
Average Power	300W/m <sup>2</sup>	300W/m <sup>2</sup>	360W/m <sup>2</sup>	285W/m <sup>2</sup>	250W/m <sup>2</sup>	200W/m <sup>2</sup>	330W/m <sup>2</sup>

## Wide Application





# Exciting Cases





