



Zirconium

pitch	1.9	2.6	3.1	3.9	5.2
pixel tech	SMD	SMD	SMD	SMD	SMD

ideal for
Unique shapes and non-standard aspect ratios

summary

Zirconium is a freeform series that enables **configuration in units of 250mm both vertically and horizontally**. Zirconium has three panel widths and two heights. Panel sizes are used dynamically to get extremely close to any target dimensions. All panels use the same, interchangeable modules.

Zirconium panels can be **edge-chamfered to 45 degrees** on either the left side, right side, or both. This allows Zirconium to make faceted convex curves or **outside 90-degree corners**.

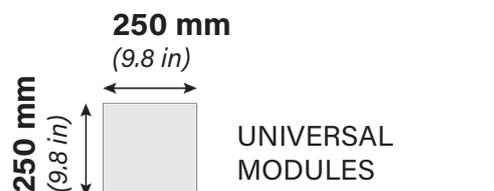
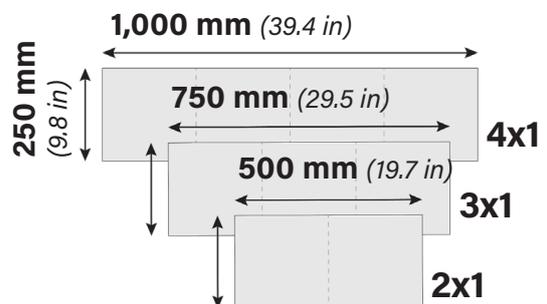
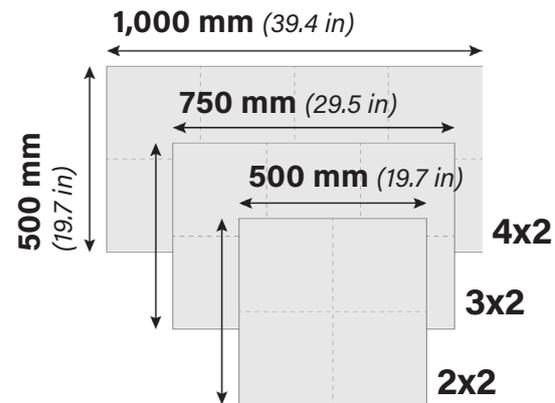
special configurations



optional

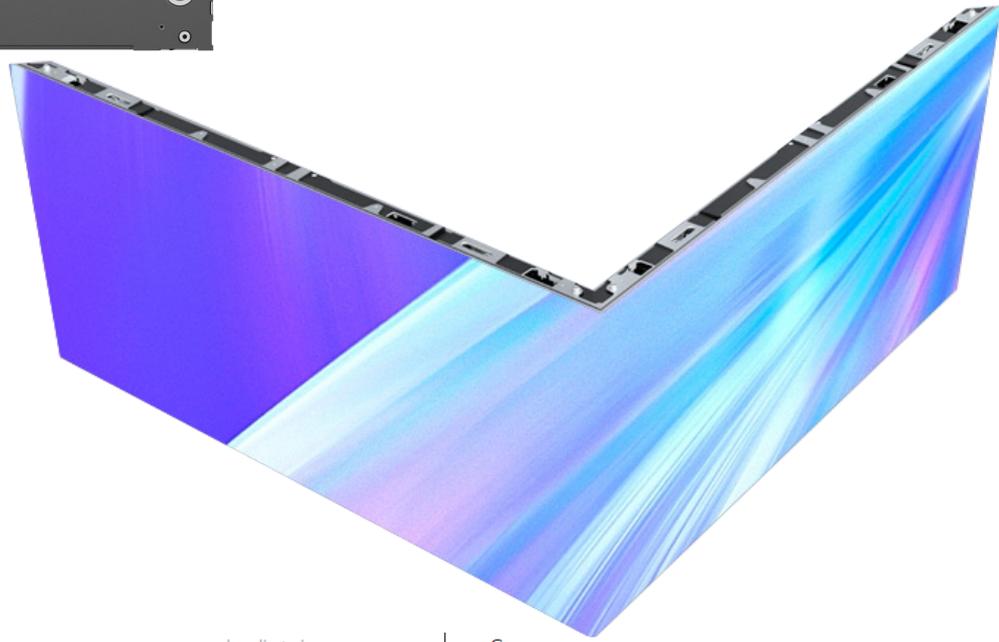
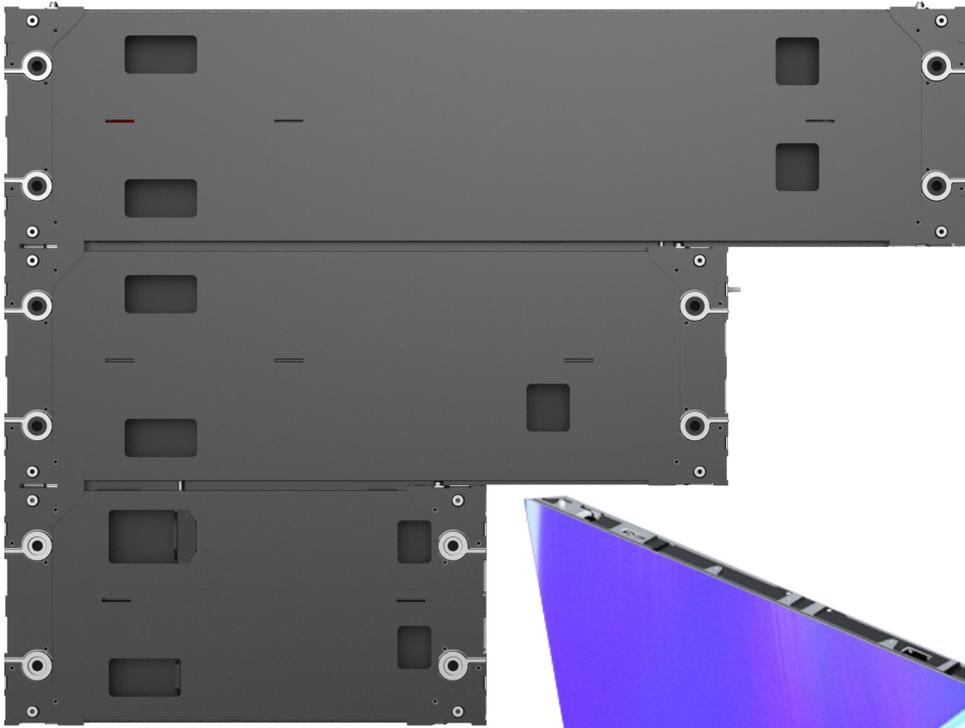
- Cosmetic/protective edge trim
- 45-degree edges for corner displays
- Connecting plates
- Reduced magnets for transit stations
- Dual receiving cards for data redundancy
- Hydrophobic treatment
- Flight cases

panel dimensions



IP rating
IP30

max brightness
1,000 nits



series name

Zirconium (ZR)

maximum brightness (nits)

up to 1,000

dimensions

WIDTH

1000 mm (39.4 in)

HEIGHT

up to 500 mm (19.7 in)

DEPTH

42 mm (1.7 in)

panel aspect ratio

2:1, 4:1

panel weight

up to 11 mm (24.3 in)

modules per panel

up to 8 per panel

viewing angle

HORIZONTAL

160°

VERTICAL

160°

led lifetime* (hrs)

120

contrast

8,000:1

drivers

ICN2055, ICN2150, ICN2165

scan rate

1/32, 1/64

processing depth (bits)

14 default (10-16 range)

refresh rate (hz)

3,840 default (3840-7680 range)

frame rate

60 default (50, 60, 120 options)

color temperature

7,500 default (2000-12000 range)

color gamut

2.8

bonding wire

Copper

power common

Anode

watts per panel

132W max (46W average)

watts per sq m

650W max (228W average)

max amps per cascade

10

operating voltage

100-240V AC, 50/60 Hz

operating temperature

-20°C - +50°C

maximum heat

up to 988.9 BTU/hr

humidity

10% - 90%, non-condensing

ip rating

IP30

frame material

Die-cast Aluminium

hanging and stacking

no hanging | no stacking

rear bolt threading

M6

power connectors

C13/C14

data connectors

RJ45

service access

Front

warranty

3 year (up to 5 available)

certifications

EMC-B, CCC, FCC, ETL, LVD, CE, RoHS, UKCA, CB, BIS, KC, PSE

supported controllers

