



Poseidon

pitch	6.8	8.3	10	16.7
pixel tech	SMD	SMD	SMD	SMD

ideal for
Outdoor, permanent installation

summary
Poseidon is **designed for the most intense weather** with an **IP66 rating**, making it an ideal choice for coastal or cruise ship applications. Poseidon has **nine panel sizes**, resulting on a **300 mm design integer both horizontally and vertically**.

Poseidon features **new dual-channel voltage input** for red, green, and blue sub-pixels, **dramatically reducing power consumption** and **generated heat**, but without the loss of high-end pixel performance associated with traditional common cathode.

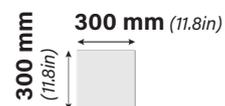
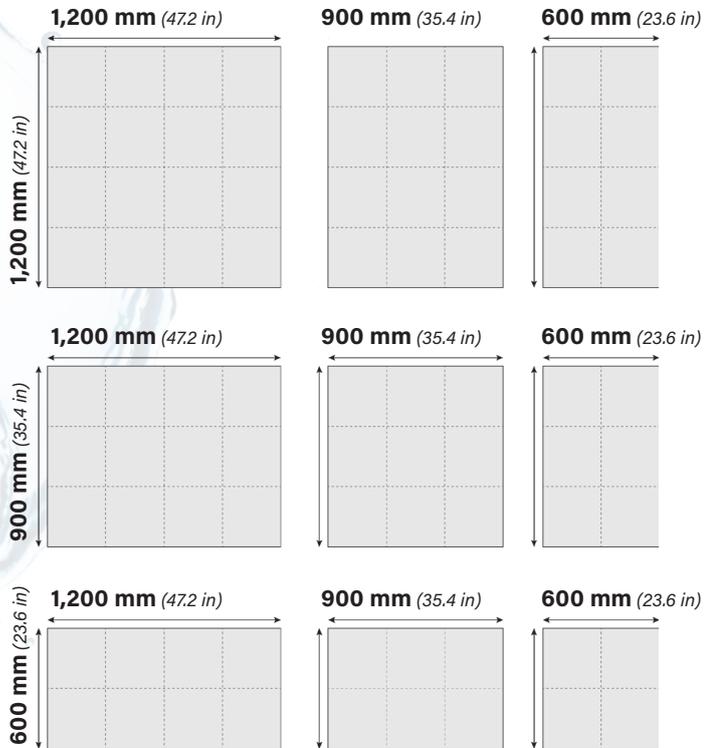
special configurations



optional

- Protective epoxy masking or coating
- IMD or MIP pixels at select pitches
- 45-degree edges for corner displays
- Connecting plates
- IP66 extreme moisture protection
- Hydrophobic module treatment

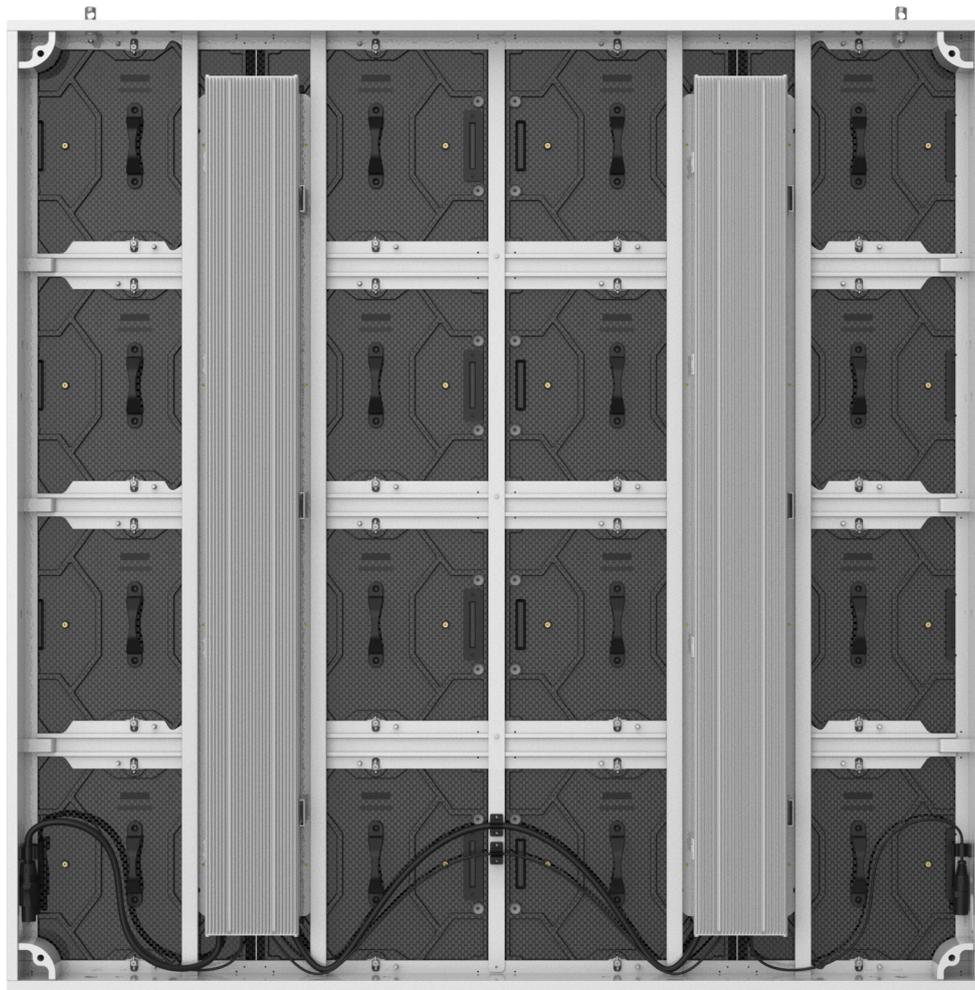
dimensions IP66



UNIVERSAL
MODULES

max brightness
10,000 nits

IP rating
IP66



series name

Poseidon (PS)

maximum brightness (nits)

up to 10,000

dimensions **WIDTH**

up to 1200 mm (47.2 in)

HEIGHT

up to 1200 mm (47.2 in)

DEPTH

92 mm (3.6 in)

panel aspect ratio

0.5:1, 0.7:1, 0.8:1, 1.5:1, 1:1, 2:1, 4:3

panel weight

up to 38.88 mm (85.7 in)

modules per panel

up to 16 per panel

viewing angle **HORIZONTAL**

160°

VERTICAL

160°

led lifetime* (hrs)

100

contrast

7,000:1

drivers

LS

scan rate

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

Gold

power common

Anode

watts per panel

132W max (46W average)

watts per sq m

650W max (228W average)

max amps per cascade

16

operating voltage

100-240V AC, 50/60 Hz

operating temperature

-20°C - +50°C

maximum heat

up to 3542.75 BTU/hr

humidity

10% - 90%, non-condensing

ip rating

IP66

frame material

Die-cast Aluminium

hanging and stacking

20 hanging | 20 stacking

rear bolt threading

M10

power connectors

Seetronics Powercon

data connectors

Seetronics Ethercon

service access

Front and Rear

warranty

5 year (up to 7 available)

certifications

EMC-0, CCC, FCC, ETL, LVD, CE, RoHS, UKCA, CB, BIS, KC, PSE

supported controllers

