ORION 1650M IP

IP65 RGBL ZOOM WASH MOVING HEAD WITH PIXEL RING



The ORION 1650M IP is an IP65 LED wash moving head that combines sixteen 50 W TX 4-in-1 RGBL LEDs with an inner aperture of 204 RGB LEDs for flowing colour-changing effects. Uniform RGBL colour mixing, a rainbow effect and colour temperatures from 2700 K to 8000 K deliver both saturated colours and quality white light, while every LED and colour can be controlled individually for detailed pixel looks. A linear 4° – 60° zoom takes the fixture from tight, punchy beams to a wide wash, and fast, quiet pan 540° / tilt 270° movement keeps up with any show. DMX512, RDM, Art-Net and sACN control in five personalities from 24 to 113 channels, an OLED touch display, selectable PWM up to 25 kHz and Seetronic waterproof connectors in a die-cast aluminium housing make it ready for outdoor stages, festivals and touring.

Optical System

- Light source: 16 × 50 W TX 4-in-1 RGBL LEDs
- Pixel ring: 204 × 0.3 W 3-in-1 RGB LEDs
- Zoom: 4° – 60°, linear
- Colour temperature: 2700 K – 8000 K
- Rainbow effect; individual LED / colour control
- Strobe: 1 – 30 Hz, electronic and random
- LED life: 50 000 h

Electrical Specs

- Voltage: AC 100 – 240 V, 50/60 Hz
- Power consumption: 900 W

Control

- Protocols: DMX512, RDM, Art-Net, sACN
- DMX modes: 24 / 44 / 48 / 91 / 113 CH
- Run modes: DMX, sound, auto 1 / 2, master / slave
- Pan / tilt: 540° / 270°
- Dimmer 0 – 100 %, 4 curves; PWM 1 – 25 kHz
- OLED touch display, auto rotation

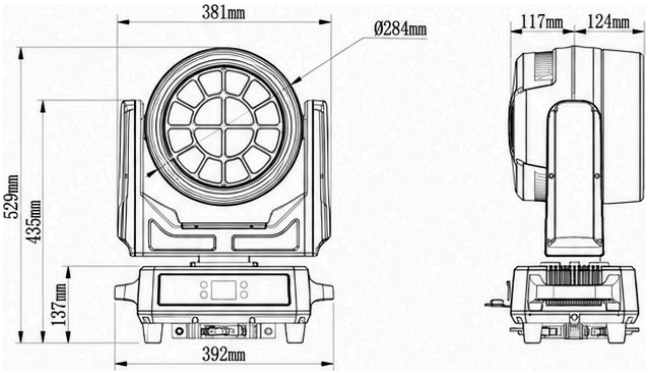
Work environment

- IP rating: IP65
- Max. ambient temperature: 40 °C
- Cooling: temperature controlled, overheat protection

Physical

- Dimensions: 392 × 283 × 511 mm
- Weight: 21 kg net, 23.7 kg gross
- Housing: die-cast aluminium
- Connectors: Seetronic waterproof DMX, PowerCon, Art-Net

Dimensions (mm)



Photometrics (all colours, centre lux)

Zoom	5 m	Ø 5 m	10 m	Ø 10 m
Zoom in (4°)	38 588	0.77 m	9069	1.40 m
Zoom out	1184	6.34 m	326	12.68 m

DMX channel modes

BASIC	STAND	EXTEND	EXTEND	EXTEND2
24 CH	44 CH	48 CH	91 CH	113 CH

Full channel tables are provided in the ORION 1650M IP User Manual and DMX Chart.

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