Diamond 19

19x15 W moving LED wash with pixel effects

Diamond 19 is the 'everyday' fixture from the stunning **Diamond** LED pixel wash family. As a wash light, the 6° - 66° zoom, even beam and truly fantastic colour range create an ideal workhorse fixture. For the next level, individual control of each LED pixel, tied with the **Diamond**'s clever optical design along with its onboard effects provide 'eye-candy' effects both to look at and in the air. Powerful, consistent and clever, the **Diamond** 19 makes a statement on every stage.

MAIN FEATURES

- 19x15 W Osram Ostar RGBW LEDs provide an extensive and consistent colour range
- Individual control of pixels with on-board FX generator for fast, precise effects
- Liquid cooling system for efficient cooling with virtually no noise

VERSIONS

Code	Housing
DIAMOND19BK	Black
DIAMOND19WH	White
DIAMOND19CR	Chrome

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 19x15 W RGBW Osram Ostar LEDs
- Lux: (6°) 7'299 lx - (66°) 711 lx @5 m
- Source life expectancy: > 50.000 h

OPTICS
- Zoom: 6° - 66° motorised linear zoom
- Lens diameter: 212 mm
- Lens type: honeycomb gapless plano-convex optics

COLOUR SYSTEM
- Colour mixing: RGBW / FC
- CTC: CTC control through independent DMX channel
- White presets: 2.000 K ~ 8.000 K
- Colour wheel: virtual colour wheel with presets

DYNAMIC EFFECTS
- Pixel patterns: pre-programmed dynamic and static patterns
- FX generator: adjustable foreground/background colour, index, speed, direction

BODY
- Pan angle: 630°
- Tilt angle: 265°
- Pan/Tilt resolution: 8 / 16 bit
- Feedback: automatic repositioning after accidental movement
- Body: aluminium structure with hi-resistance polycarbonate cover
- Body colour: black, white finishing available

CONTROL
- Protocols: DMX512, RDM, W-DMX
- DMX channels: 18 / 19 / 20 / 32 / 98 channel
- Pixel control: pixel2pixel control
- W-DMX: included, wireless solution receiver
- RDM: RDM ready for fixture remote monitor and settings
- Display: LCD high resolution colour display
- Firmware upgrade: yes, via USB - DMX interface (UPBOX2) not included
- Hibernation: power safe mode when lost DMX
- Master/Slave: for synchronized operation of more units linked in a chain

ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Strobe / shutter: 1 - 25 Hz, electronic
- Battery backup: battery backup for user operation without connecting to the main power
- Operating temperature: -10° ~ +45°
- Flicker: flicker free operation

ELECTRICAL
- Power supply: 100-240 V – 50/60 Hz
- Power consumption (at 230 V): 306 W
- Power consumption (at 120 V): 306 W
- Output (at 230 V): 6 units on a single power line

PHYSICAL
- Cooling: combination of heat pipe cooling system and low noise fan
- Sospension and fixing: any position with quick-lock omega brackets
- Signal connection: Amphenol XLR 3p + 5p IN/OUT connectors
- Power connection: Neutrik powerCON IN/OUT connectors
- IP rating: 20
- Dimensions (WxHxD): 338x449x235 mm
- Weight: 11 kg

ACCESSORIES & RELATED PRODUCTS
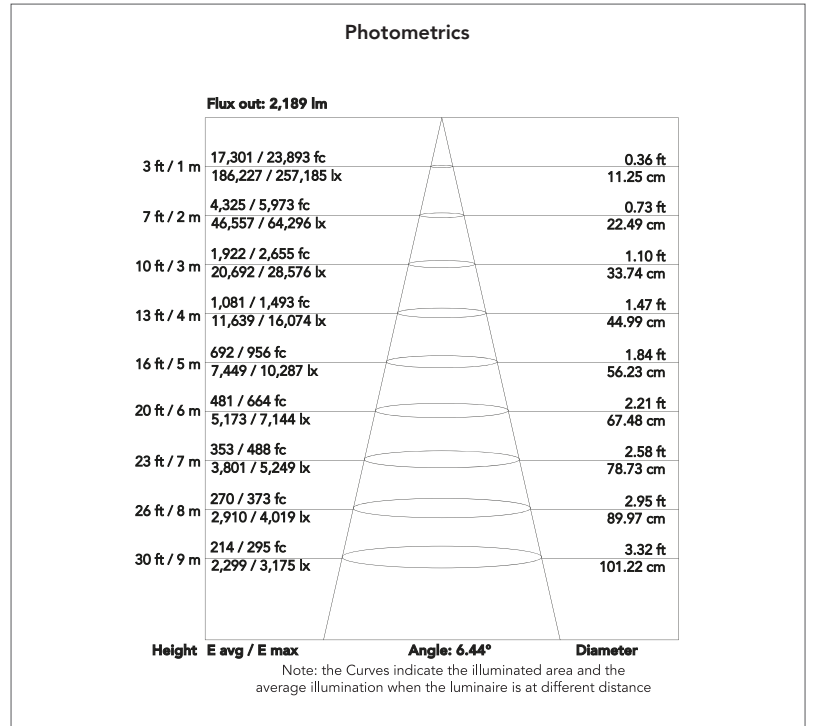
- OS24: Quick-lock omega bracket (included)
- WR24ANG5: WIRELESS SOLUTION, nano RX DMX 3.3V/5V-18V MCX (included)
- WSA40501: WDMX, antenna 2.4Ghz 2dBi omnidirectional, folding, SMA-male, indoor (included)

- FCL40019: Flight case for 4x STARK400 or DIAMOND19
- FSHLW01: 1U Foam shell compatible with DIAMOND19, STARK400
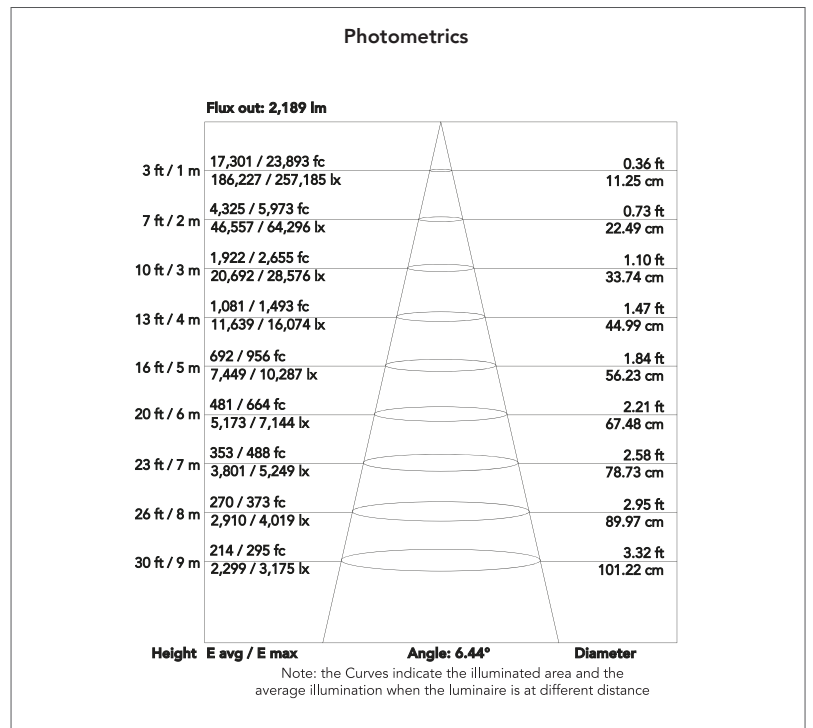- UPBOX2: Firmware uploader kit, USB IN, 3-pin XLR DMX OUT
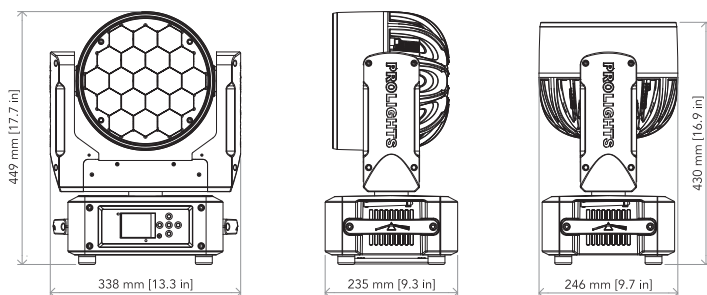
COLOUR PRESET RGBW/FC

Beam angle 6°

Photometrics

Flux out: 2,189 lm

Height	E avg / E max	Angle: 6.44°	Diameter
3 ft / 1 m	17,301 / 23,893 fc 186,227 / 257,185 lx		0.36 ft 11.25 cm
7 ft / 2 m	4,325 / 5,973 fc 46,557 / 64,296 lx		0.73 ft 22.49 cm
10 ft / 3 m	1,922 / 2,655 fc 20,692 / 28,576 lx		1.10 ft 33.74 cm
13 ft / 4 m	1,081 / 1,493 fc 11,639 / 16,074 lx		1.47 ft 44.99 cm
16 ft / 5 m	692 / 956 fc 7,449 / 10,287 lx		1.84 ft 56.23 cm
20 ft / 6 m	481 / 664 fc 5,173 / 7,144 lx		2.21 ft 67.48 cm
23 ft / 7 m	353 / 488 fc 3,801 / 5,249 lx		2.58 ft 78.73 cm
26 ft / 8 m	270 / 373 fc 2,910 / 4,019 lx		2.95 ft 89.97 cm
30 ft / 9 m	214 / 295 fc 2,299 / 3,175 lx		3.32 ft 101.22 cm

Note: the Curves indicate the illuminated area and the average illumination when the luminaire is at different distance

COLOUR PRESET RGBW/FC

Beam angle 66°

Photometrics

Flux out: 2,189 lm

Height	E avg / E max	Angle: 6.44°	Diameter
3 ft / 1 m	17,301 / 23,893 fc 186,227 / 257,185 lx		0.36 ft 11.25 cm
7 ft / 2 m	4,325 / 5,973 fc 46,557 / 64,296 lx		0.73 ft 22.49 cm
10 ft / 3 m	1,922 / 2,655 fc 20,692 / 28,576 lx		1.10 ft 33.74 cm
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TECHICAL DRAWINGS

449 mm [17.7 in]

338 mm [13.3 in]

235 mm [9.3 in]

246 mm [9.7 in]

430 mm [16.9 in]

For more product info and downloads visit our website

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Via A. Olivetti snc
04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

prolights.it
info@prolights.it