# Diamond 19CC

19x15W moving LED wash RGBW FC
ORDER CODE: **DIAMOND19CC**



**Dliamond** 19CC is a pure wash light version of the Diamond 19. Retaining the massive 7,5° - 41,4° zoom, even beam and truly fantastic colour range but removing the individual control of each pixel. When the budget won't quite stretch to the fully featured **Diamond** 19, the show can still look stunning with the **Diamond** 19CC.

## MAIN FEATURES

- 19x15W RGBW FC LEDs
- 7,5° - 41,4° zoom
- Dual LED zone control for basic 'eye-candy' effects
- CT channel with white emulation: 2.800 K - 9.000 K
- Liquid cooling system for minimal noise

## TECHNICAL SPECIFICATION

### LIGHT SOURCE
- Source: 19x15W RGBW LED
- Luminous flux: (7,5°) 2'701 lm - (41,4°) 3'875lm @full
- Lux: (7,5°) 5'411 lx - (41,4°) 831lx @5 m full
- Source life expectancy: > 50.000 h

### OPTICS
- Zoom: 7,5° - 41,4° motorised linear zoom
- Lens type: honeycomb gapless plano-convex optics

### COLOUR SYSTEM
- Colour mixing: RGBW / FC
- CCT: CCT control through dedicated DMX channel
- White presets: 2800 K ~ 9000K
- Colour wheel: virtual colour wheel with macros

### DYNAMIC EFFECTS
- FX generator: 2 sections ring control

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

### CONTROL
- Protocols: DMX512, RDM
- DMX channels: 14/15/16/26channel
- Pixel control: ring control
- Wireless Control: optional, wireless solution receiver
- RDM: RDM for remote monitoring 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 synchronised operation of more units linked in a chain

### ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Strobe / shutter: 1 - 25 Hz, electronic
- Display battery: self-charging battery backup
- Operating temperature: -10° ~ +45°
- LED Control: flicker free operation

### ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 275W
- Output (at 230V): 6 units on a single power line

### PHYSICAL
- IP rating: 20
- Cooling: combination of heat pipe cooling system and low noise fan
- Suspension and fixing: any position with quick-lock omega brackets
- Signal connection: Amphenol XLR 3p IN/OUT connectors
- Power connection: Neutrik powerCON IN/OUT connectors
- Dimensions (WxHxD): 338x449x235mm
- Weight: 11kg
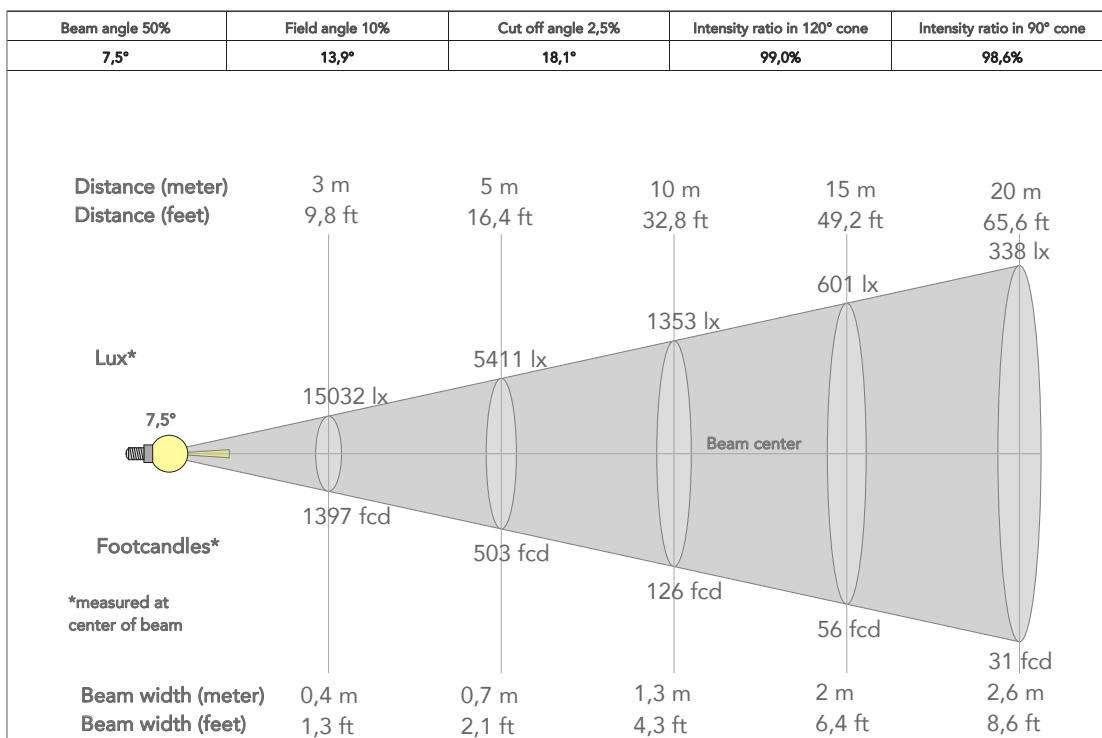
### CERTIFICATIONS / APPROVALS
- Certifications / Approvals: CE, UKCA, RCM

## ACCESSORIES & RELATED PRODUCTS

| | | |
|---|---|---|
| 9513FCAL03 | Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FCA socket, L.3m | |
| 9533FCAL03 | Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FCA socket, L.3m | |
| 958025L03 | 3x2.5mm TH07 Cable, 20A 3p PwCon FCA, 20A 3p PwCon FCB, L. 3m | |
| C6016B | Quick-trigger slim clamp, 250Kg load, 48-51mm tubes, M10 bolt incl, Black | |
| OS24 | Quick-lock omega bracket. | |
| RSR0630B | Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black | |
| TOUR53413L03 | Dmx cable HC5340. CANC3MXX XLR 3p->CANC3FXX XLR (f) 3p, L.3m | |

| | | |
|---|---|---|
| TOUR53415L03 | Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m | |
| WSA40501 | WDMX, antenna 2.4Ghz 2dBi omnidirectional, folding, SMA-male, indoor | |
| WR24ANG5 | WIRELESS SOLUTION, nano RX DMX 3.3V/5V-18V MCX | |
| FCL40019 | Flight case for 4x STARK400 or DIAMOND19 | |
| FCLDIAMOND19 | Flight case for 4pcs of DIAMOND19 | |
| FCLDIAMOND19E | Flight case for 4pcs of DIAMOND19, made in UE | |
| FSHLW01 | 1U Foam shell compatible with DIAMOND19, STARK400 | |
| UPBOX2 | Firmware uploader kit, USB IN, 3-pin XLR DMX OUT | |

## PRESET FULL ON
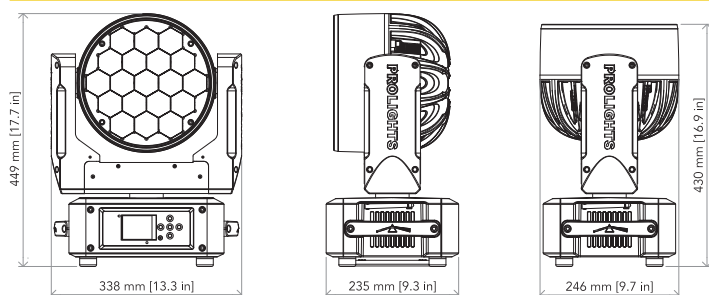Beam angle 50%: 7,5°

| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|---|---|---|---|---|
| 7,5° | 13,9° | 18,1° | 99,0% | 98,6% |

| Distance (meter) | 3 m | 5 m | 10 m | 15 m | 20 m |
|---|---|---|---|---|---|
| Distance (feet) | 9,8 ft | 16,4 ft | 32,8 ft | 49,2 ft | 65,6 ft |

7,5°

Lux*

15032 lx · 5411 lx · 1353 lx · 601 lx · 338 lx

Beam center

1397 fcd · 503 fcd · 126 fcd · 56 fcd · 31 fcd

Footcandles*

*measured at center of beam

| Beam width (meter) | 0,4 m | 0,7 m | 1,3 m | 2 m | 2,6 m |
|---|---|---|---|---|---|
| Beam width (feet) | 1,3 ft | 2,1 ft | 4,3 ft | 6,4 ft | 8,6 ft |

## PRESET FULL ON
Beam angle 50%: 41,4°

| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|---|---|---|---|---|
| 24° | 41,4° | 52,9° | 99,4% | 99,1% |

| Distance (meter) | 3 m | 5 m | 10 m | 15 m | 20 m |
|---|---|---|---|---|---|
| Distance (feet) | 9,8 ft | 16,4 ft | 32,8 ft | 49,2 ft | 65,6 ft |

24°

Lux*

2310 lx · 831 lx · 208 lx · 92 lx · 52 lx

Beam center

215 fcd · 77 fcd · 19 fcd · 9 fcd · 5 fcd

Footcandles*

*measured at center of beam

| Beam width (meter) | 1,3 m | 2,1 m | 4,3 m | 6,4 m | 8,5 m |
|---|---|---|---|---|---|
| Beam width (feet) | 4,2 ft | 7 ft | 14 ft | 20,9 ft | 27,9 ft |

## TECHNICAL 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]

CE · UKCA

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