# **Diamond** 19

ORDER CODE: **DIAMOND19CR**




## VERSIONS

| | Code | Housing |
|---|---|---|
|  | DIAMOND19BK | Black |
|  | DIAMOND19WH | White |
|  | **DIAMOND19CR** | **Chrome** |

SOURCE
**19x15W RGBW Osram Ostar LEDs**

ZOOM RANGE
**6,7° - 41° motorised linear zoom**

IP RATING
**IP20**

WEIGHT
**11kg / 24.25lbs**

LUMINOUS FLUX (MAX)
**2'339 lm**

# TECHNICAL SPECIFICATIONS

## LIGHT SOURCE

| | |
|---|---|
| Source: | 19x15W RGBW Osram Ostar LEDs |
| Luminous flux: | (6,7°) 2'339 lm - (41°) 3'811 @Full |
| Lux: | (6,7°) 5'575 lx - (41°) 840lx @5 m full |
| Source life expectancy: | > 50.000 h |

## OPTICS

| | |
|---|---|
| Zoom range: | 6,7° - 41° motorised linear zoom |
| Lens diameter: | 212mm |
| Lens type: | honeycomb gapless plano-convex optics |

## COLOUR SYSTEM

| | |
|---|---|
| CCT: | CCT control through dedicated DMX channel |
| White presets: | 2.000 K ~ 8.000K |
| Colour wheel: | virtual colour wheel with macros |

## DYNAMIC EFFECTS

| | |
|---|---|
| Pixel patterns: | pre-programmed static and dynamic pixel patterns |
| FX generator: | adjustable foreground/background colour, index, speed, direction |
| Special features: | Pixels controlled through On/Off switch for simplified control and budget friendly |

## CONTROL

| | |
|---|---|
| Supported Protocols: | DMX512, RDM, W-DMX |
| DMX channels: | 18 / 19 / 20 / 32 / 98ch |
| Pixel control: | pixel2pixel control through on/off switch |
| RDM: | for remote addressing and parameter configuration |
| Display: | LCD high resolution colour display |
| Hibernation: | power safe mode when lost DMX |
| Master/Slave: | for synchronised operation of more units linked in a chain |
| Other: | THEATRE mode for silent operation and fan control throught DMX |

## MOVEMENT

| | |
|---|---|
| Pan: | 630° - 8/16-bit resolution |
| Tilt: | 265° - 8/16-bit resolution |
| Position feedback: | automatic repositioning after external movement |

## ELECTRONICS

| | |
|---|---|
| Dimmer: | linear 0 - 100% electronic dimmer |
| Strobe / shutter: | 1 - 25 Hz, electronic |
| Display battery: | included, self-charging battery backup |
| Firmware upgrade with: | via DMX with UPBOXPRO/ UPBOX2 (not included) |

## CONNECTIONS

| | |
|---|---|
| Power connection: | Neutrik powerCON IN/OUT connectors |
| Signal connection: | Amphenol XLR 3p + 5p IN/OUT connectors |
| Wireless Connection: | integrated W-DMX receiver |

## ELECTRICAL

| | |
|---|---|
| Mains power supply: | 100-240V - 50/60Hz |
| Max power consumption (230V): | 280W |
| Output (at 230V): | 6 units on a single power line |
| Standby power: | 54.3W |
| Power factor: | > 0,93 |

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## TECHNICAL SPECIFICATIONS

### PHYSICAL

| | |
|---|---|
| IP rating: | IP20 |
| Cooling: | heat pipe with low-noise fan |
| Housing: | Aluminium structure with high-resistance polycarbonate cover |
| Finish: | black or white finishing |
| Operating temperature: | Ta -10 to +45 °C (+14 to +113 °F) |
| Dimensions (WxHxD): | 338x449x235mm |
| Weight: | 11kg |

### BOX CONTENT

1 x DIAMOND19

2 x OS24PLUS

1 x 1,5 meters 3G1,5mmq power cable (BARE END - NEUTRIK POWERCON power connector)

### INSTALLATION

| | |
|---|---|
| Suspension and fixing: | any position with quick-lock Omega brackets |

### CERTIFICATIONS / REPORTS

| | |
|---|---|
| Compliance: | CE, UKCA, RCM |

## ACCESSORIES & RELATED PRODUCTS



**OS24PLUS**

Quick-lock omega bracket, M12 hole



**AETHERBOXONE**

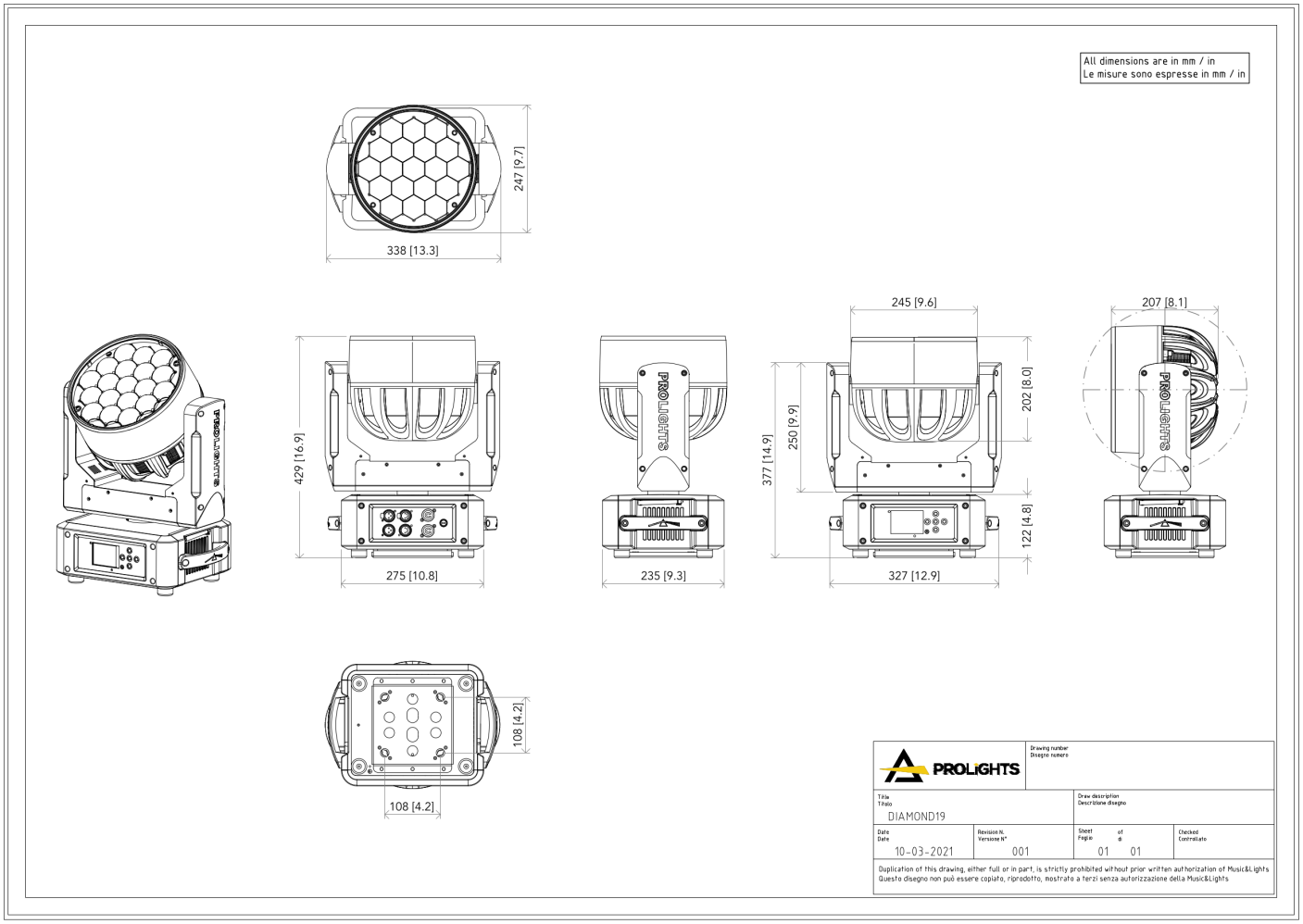
IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE



**UPBOXPRO**

Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

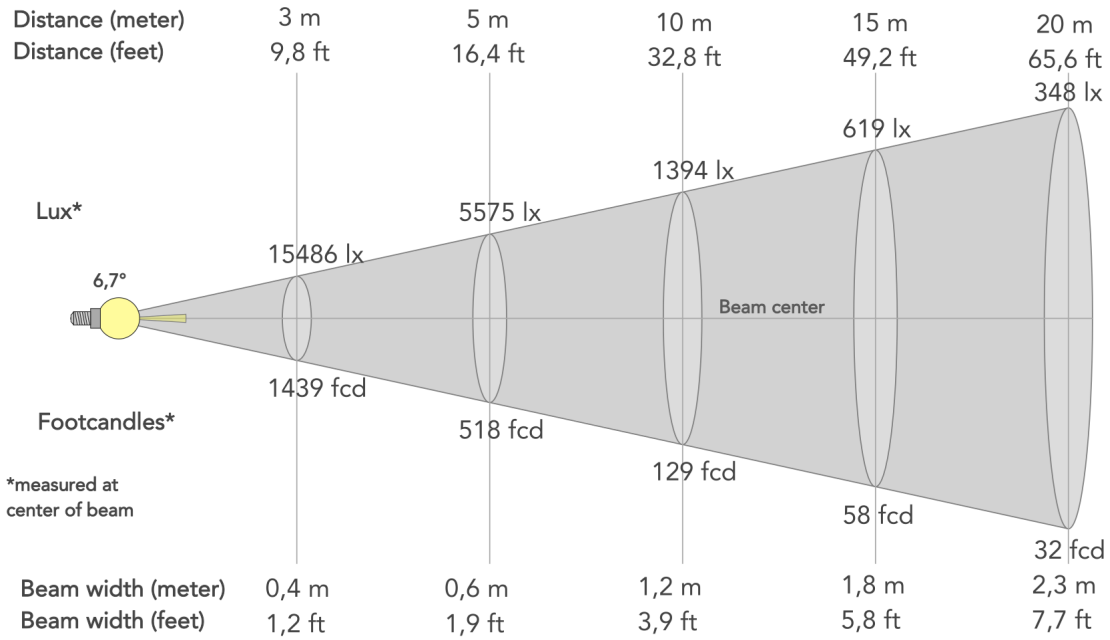
## TECHNICAL DRAWINGS




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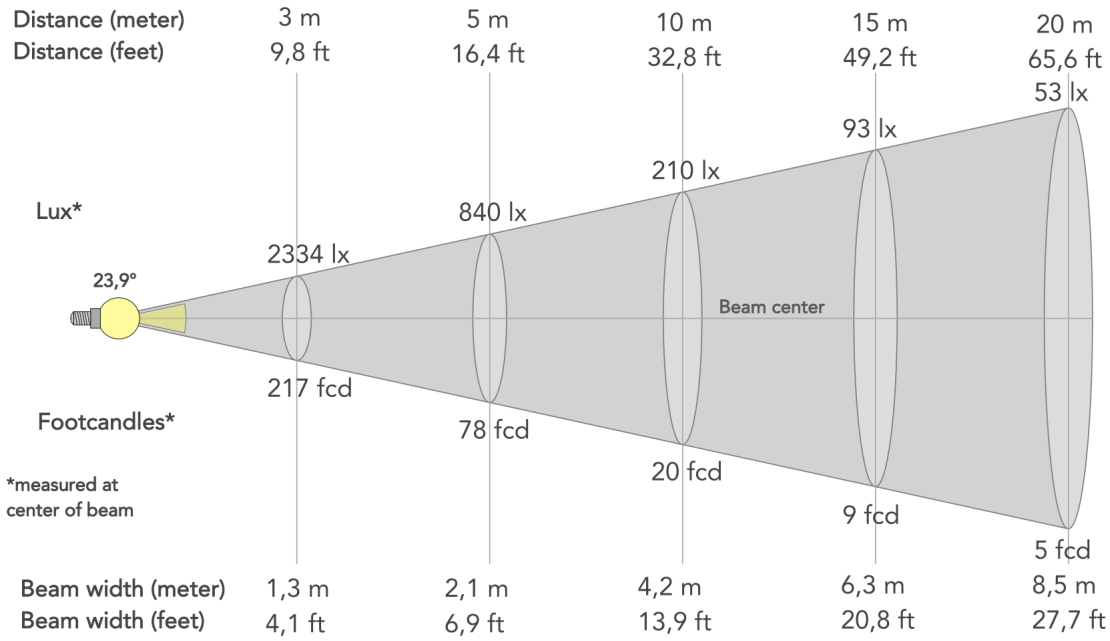
## PHOTOMETRICS

**Full on - Min Zoom**




| | | |
|---|---|---|
| Beam angle (50%): **6.7°** | Field angle (10%): **12.3°** | Cut-off angle (2.5%): **16.7°** |

**Full on - Max Zoom**




| | | |
|---|---|---|
| Beam angle (50%): **23.9°** | Field angle (10%): **40.9°** | Cut-off angle (2.5%): **51.8°** |

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