Diamond 19

ORDER CODE: **DIAMOND19BK**



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

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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

INSTALLATION

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

CERTIFICATIONS / REPORTS

Compliance:	CE, UKCA, RCM

BOX CONTENT

1 x DIAMOND19

2 x OS24PLUS

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

ACCESSORIES & RELATED PRODUCTS



OS24PLUS

Quick-lock omega bracket, M12 hole



AETHERBOXONE

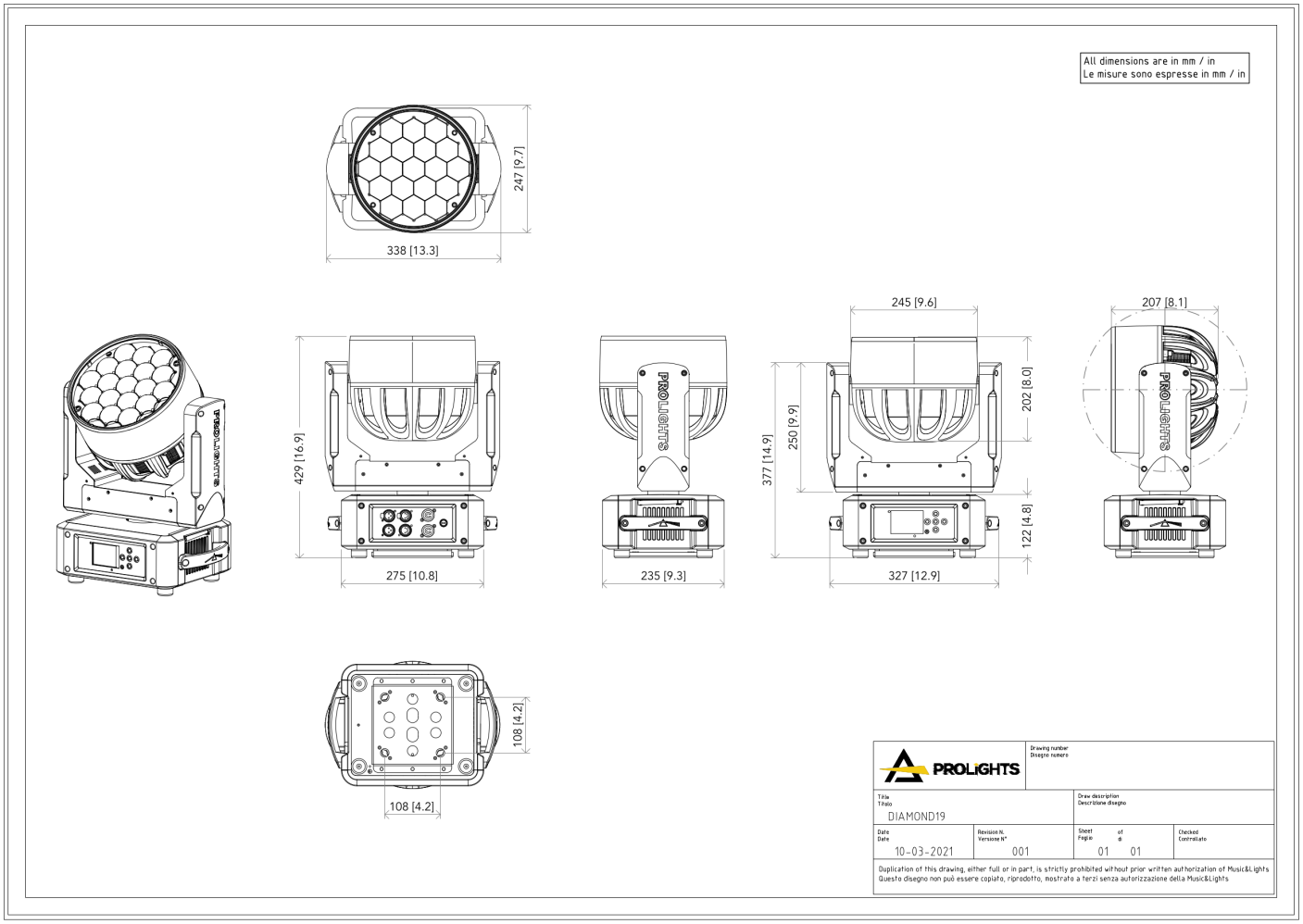
IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE



UPBOXPRO

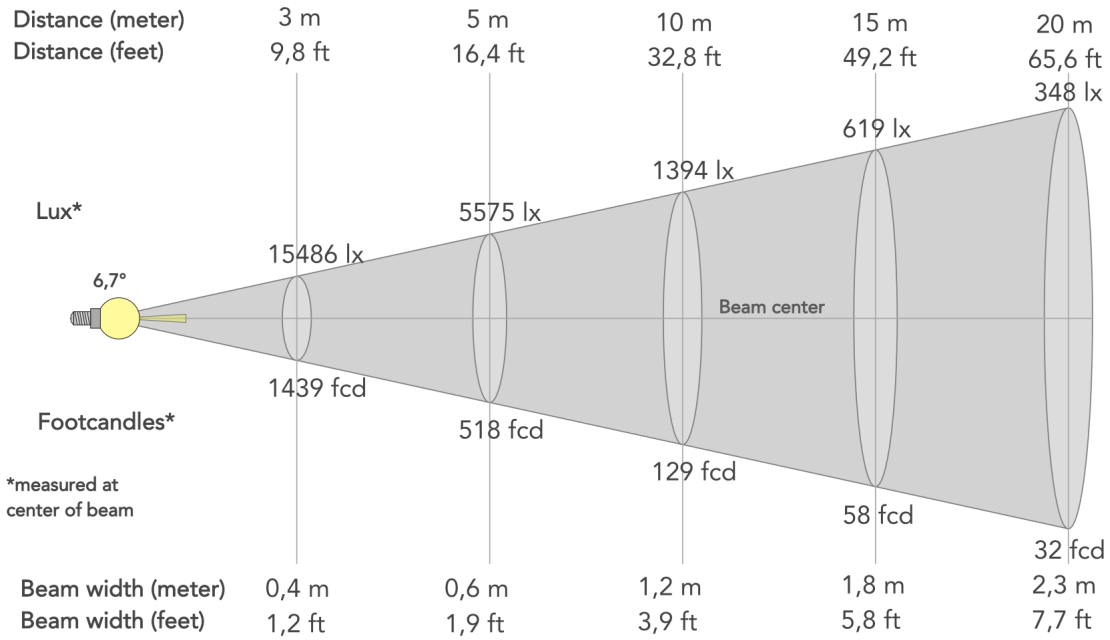
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

TECHNICAL DRAWINGS



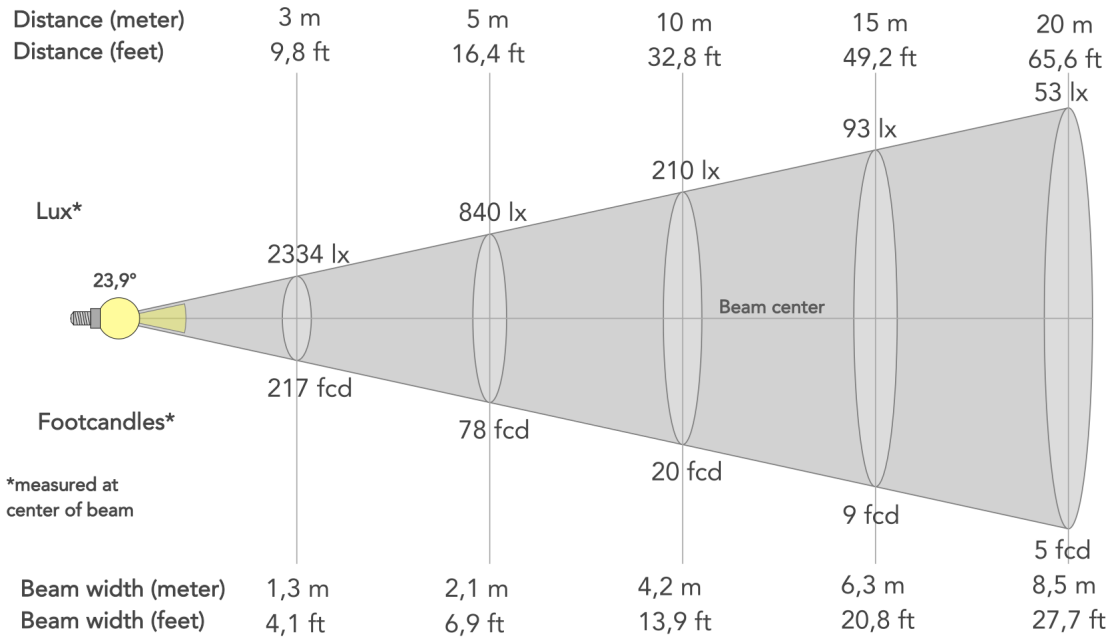
PHOTOMETRICS

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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