

EclDisplay XBFC

40W RGB+Lime LED Spotlight with wired control, without lens



VERSIONS

Code	Housing
ECLDISPLAYXBFCB	Black
ECLDISPLAYXBFCW	White

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 40W RGB + Lime LEDs
- Luminous flux: (profile 36 HD) 644 lm; (profile 2040 HD - min) 584 lm - (profile 2040 HD - max) 571 @Full
- Lux: (profile 36 HD) 121 lx; (profile 2040 HD - min) 372 lx - (profile 2040 HD - max) 107lx @5 m full
- Source life expectancy: > 50.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS

- Zoom range: (wash lens - optional) 15° ~ 30° or 25° ~ 50° - (profile lens - optional) 10° ~ 20° or 20° ~ 40° or 8°
- Other: 360° lens rotation - shutter blades lockable - optional 360° rotating barndoors and gel frame holder
- Other: (profile lens) shutter blades lockable
- Other: (profile lens - optional) manual rotating gobo holder size E, outer: 37 mm - image: 23 mm - thickness: max 3 mm

COLOUR SYSTEM

- Colour mixing: RGB + lime / full colour
- CCT: CCT control through dedicated DMX channel
- Colour wheel: virtual colour wheel with macros

DYNAMIC EFFECTS

- Control Resolution: 16-bit dimmer and color control
- Static mode: selection of static colour
- Manual mode: manual adjustment of colour
- Auto mode: built-in programs with execution speed adjustment

CONTROL

- Supported Protocols: DMX512, RDM, CRMX (optional)
- DMX channels: 5 / 6 / 15ch
- RDM: for remote addressing and parameter configuration
- Display: user interface through DATAMASTER external coder (not included)
- Stand Alone: 1 push encoder

ELECTRONICS

- Dimmer: linear 0 - 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Selectable PWM: 600 to 25000 Hz (selectable steps)
- Firmware upgrade: via DMX with UPBOXPRO/UPBOX1 (not included)

The **EclDisplay** XB series presents an innovative and versatile range of LED spotlights, designed for use in galleries, commercial spaces, and other public venues. These advanced fixtures are distinguished by their refined design and multiple control options, including both wired and wireless protocols. They are adaptable to a variety of applications, thanks to the availability of different sources and optics.

Each **EclDisplay** XB unit can be programmed and controlled via RDM, built-in input control protocols such as DMX and local knob dimming.

At the heart of the **EclDisplay** XB is a highly efficient 40 W RGB+Lime, LED source, capable of delivering both a Full Colour spectrum and also tuneable White. The fixture's versatility is further enhanced by an extensive range of optional accessories, including profile (zoom and static) or wash lenses and additional optical elements like louvers and snoots. This makes the **EclDisplay** XB not just a lighting fixture, but a comprehensive lighting solution adaptable to a multitude of environments and needs.

MAIN FEATURES

- 40W RGB+Lime LED
- Up to 600 lm in full
- Data control through RDM, DMX, optional CRMX receiver and local knob dimming
- Compatible with all EclDisplay lenses: profile (zoom and static) or wash optics

CONNECTIONS

- Power connection: screw terminal blocks
- Wireless Connection: optional LumenRadio TiMo RX RDM - CRMX and W-DMX compatible
- Data connection: screw terminal blocks

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 38W
- Output (at 230V): 35 units on a single power line
- Standby power: 3,1 W
- Power factor: > 0,94

PHYSICAL

- IP rating: IP20
- Cooling: fan-free with natural convection
- Housing: Die-cast aluminium
- Finish: black (RAL 9004) or white (RAL 9010)
- Operating temperature: Ta -10 to +45 °C (+14 to +113 °F)
- Dimensions (WxHxD): 141X200x150mm / 5.55"x5.91"
- Weight: 1,4kg / 3.09lbs

INSTALLATION

- Suspension and fixing: track / hanging / ceiling installation
- Hardware on-board: lockable tilt with screw
- Other: cable not included - Cable diameter range: 6 - 10 mm

CERTIFICATIONS / REPORTS

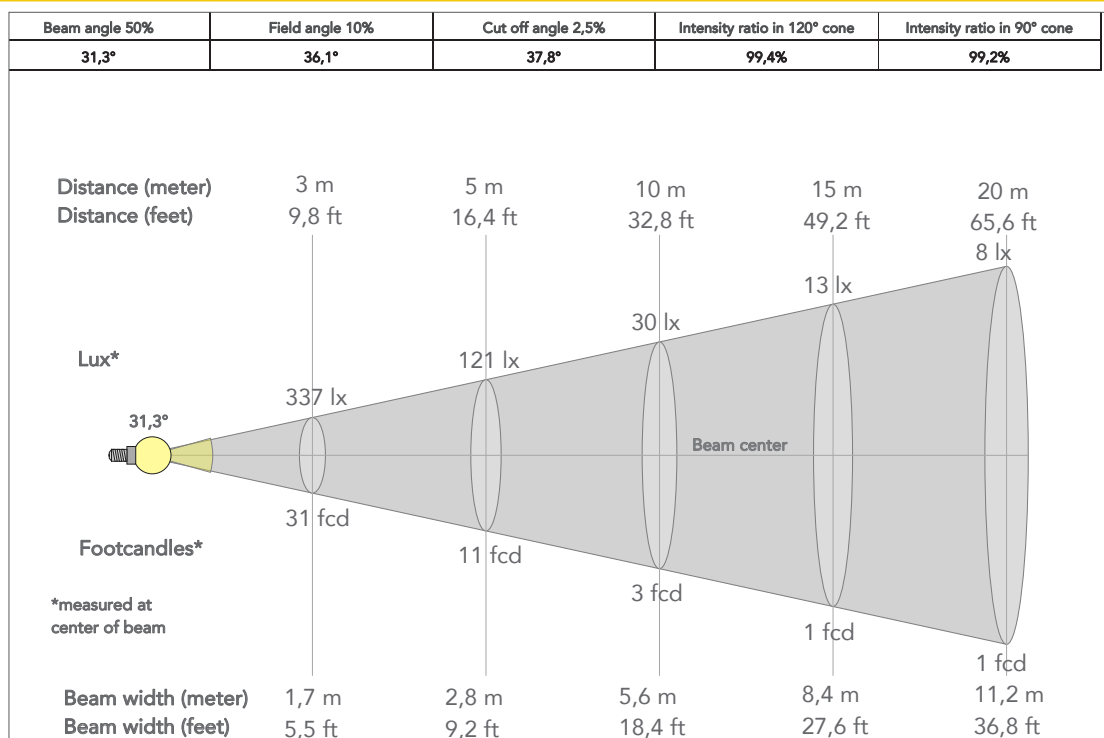
- Compliance: CE, RCM, FCC, cTUVus

ACCESSORIES & RELATED PRODUCTS

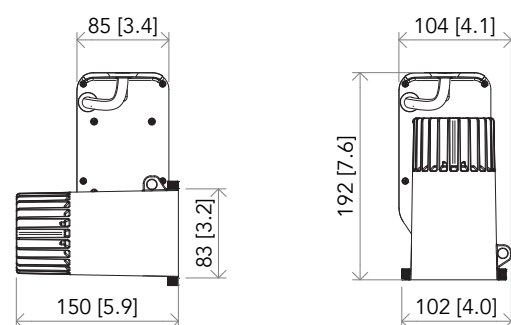
PLCPW7500D65B/W	Power PVC cable H05VV-F 3G0,75, 1 meter lenght, black/white	ECLDISPPRZL2040B/W	Zoomable Profile Lens 20-40°, with 4 framing shutters, for EclDisplay, black/white housing
ECLDISPFILT01L	Light 1° frost filters for ECLDISPLAY and ECLMINI series, 87 mm diameter	ECLDISPCEILKIT	Ceiling adapter kit for EclDisplay (without flange)
ECLDISPFILT03M	Medium 3° frost filter for ECLDISPLAY and ECLMINI series, 87 mm diameter	ECLDISPHSNOOTB/W	Half Snoot for EclDisplay, black/white housing
ECLDISPFILT10H	Heavy 10° frost filter for ECLDISPLAY and ECLMINI series, 87 mm diameter	ECLDISPFSNOOTB/W	Full Snoot for EclDisplay, black/white housing
GWASHDATWK	CRMX Timo Rx kit for GALLERYWASHDAT series	ECLDISPLOUVREB/W	Anti-glare louvre for EclDisplay, black/white housing
ECLDISPPHDZL2040B/W	20° - 40° Zoomable High definition profile lenses for Ecl Display series	ECLDISPBDNFFB/W	Barndoor and filter frame (compatible with Wash Lenses) for EclDisplay, black/white housing
ECLDISPPRLO8B/W	Fix Profile 8° Lens, with 4 framing shutters, for EclDisplay, black/white housing	ECLDISPGOBOHINDB/W	Gobo holder for EclDisplay with manual index gear on board, black/white housing
ECLDISPPRHDL18B/W	18° High definition profile lenses for Ecl Display series, black/white housing	ECLDISPCEILFLGB/W	Black flange to complete the EclDisplay ceiling adapter kit, black/white housing
ECLDISPPRHDL36B/W	36° High definition profile lenses for Ecl Display series, black/white housing	PLCDX53D5	120 Ohm DMX cable, 2 twisted poles, external sheath with reduced diameter, 1 m
ECLDISPPRHDL50B/W	50° High definition profile lenses for Ecl Display series, black/white housing	PLCPD7501P14D	Power & DMX 120 Ohm, 1 meter length
ECLDISPPRHDL70B/W	70° High definition profile lenses for Ecl Display series, black/white housing	PLCPD7501P68D	Power & DMX 120 Ohm
ECLDISPWASHL1530B/W	Zoomable Wash Lens 15-30° for EclDisplay, black/white housing	PLCYA7501P14D	YY splitter cable Power 3x0.75 mm2 + 5p IN/OUT DMX 120 Ohm, bare end, 1 meter
ECLDISPWASHL2550B/W	Zoomable Wash Lens 25-50° for EclDisplay, black/white housing	C6002B	Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
ECLDISPPRZL1020B/W	Zoomable Profile Lens 10-20°, with 4 framing shutters, for EclDisplay, black/white housing	RSR0630B	Steel security cable for hanging bodies, inox steel shackle, L=60 cm,
		UPBOXPRO	Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector
		DATAMASTER	RDM/DMX tool,cable tester, 5p XLR connectors,pouch, charging cable, XLR adapters

PRESET FULL ON

Beam angle 50%:



TECHICAL DRAWINGS



CERTIFICATIONS / APPROVALS



Conforms to UL STD. 1573
Certified to CSA STD: C22.2 NO. 166

Visit our website
for specifications and
tech documentations



MUSIC & LIGHTS S.r.l.

Via A. Olivetti, sn
04026 - Minturno (LT) ITALY

info@prolights.it
Tel: +39 0771 72190

prolights.it
VAT No. IT 02057590594