EclDisplay CRMXFC

40 RGB+WW LED Spotlight with Wireless CRMX and wired control, without lens

The **EclDisplay** CRMX 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** CRMX unit can be programmed and controlled via RDM, encompassing a comprehensive array of built-in input control protocols such as Wireless CRMX, DMX and local knob dimming.

At the heart of the **EclDisplay** CRMX is a highly efficient 40 W RGB+WarmWhite, 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 louvres and snoots. This makes the **EclDisplay** CRMX not just a lighting fixture, but a comprehensive lighting solution adaptable to a multitude of environments and needs.

VERSIONS

Code	Housing
ECLDISPLAYCRMXFCB	Black
ECLDISPLAYCRMXFCW	White

MAIN FEATURES

- Data control through wireless CRMX, RDM, DMX and local knob dimming
- 40W RGB+WarmWhite LED
- Multiple lens options: Profile (zoom and static) or wash optics

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 40W RGB + Warm White LED
- Luminous flux: (profile 2040 - min) 388 lm - (profile 2040 - max) 344 lm; (wash 2550 - min) 357 lm - (wash 2550 - max) 466 lm; (wash 1530 - min) 363 lm - (wash 1530 - max) 402 @Full
- Lux: (profile 2040 - min) 194 lx - (profile 2040 max) 44 lx; (wash 2550 - min) 57 lx - (wash 2550 - max) 23 lx; (wash 1530 - min) 143 lx - (wash 1530 - max) 68lx @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 + Warm White
- CCT: CCT control through dedicated DMX channel
- Colour wheel: virtual colour wheel with macros

DYNAMIC EFFECTS
- Control Resolution: 16-bit dimmer, colours
- Static mode: selection of static colour
- Manual mode: manual adjustment of colour
- Auto mode: built-in programs with execution speed adjustment

BODY
- Hardware on-board: lockable tilt with screw
- Body: aluminium die-casting
- Body colour: RAL 9004 or RAL 9010
- Other: cable not included - Cable diameter range: 6 - 10 mm

CONTROL
- Protocols: Local Knob, DMX, RDM, CRMX
- Stand Alone: 1 push encoder
- DMX channels: 5 / 6 / 15channel
- Wireless Control: included, LumenRadio TiMo receiver
- RDM: RDM for remote monitoring and settings
- Display: user interface through DATAMASTER external coder (not included)
- Firmware upgrade: via DMX with UPBOXPRO/UPBOX1 (USB-DMX interface not included)

ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- LED Control: flicker free operation
- Selectable PWM: 600 ~ 25.000 Hz

ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 35W
- Output (at 230V): 40 units on a single power line
- Power factor: > 0,94

PHYSICAL
- Operating Temperature: -10° ~ +45°
- IP rating: 20
- Cooling: passive cooling and fan-free
- Suspension and fixing: track / hanging / ceiling installation
- Data connection: screw terminal blocks
- Power connection: screw terminal blocks
- Dimensions (WxHxD): 141X200x150mm / 5.55"x5.91"
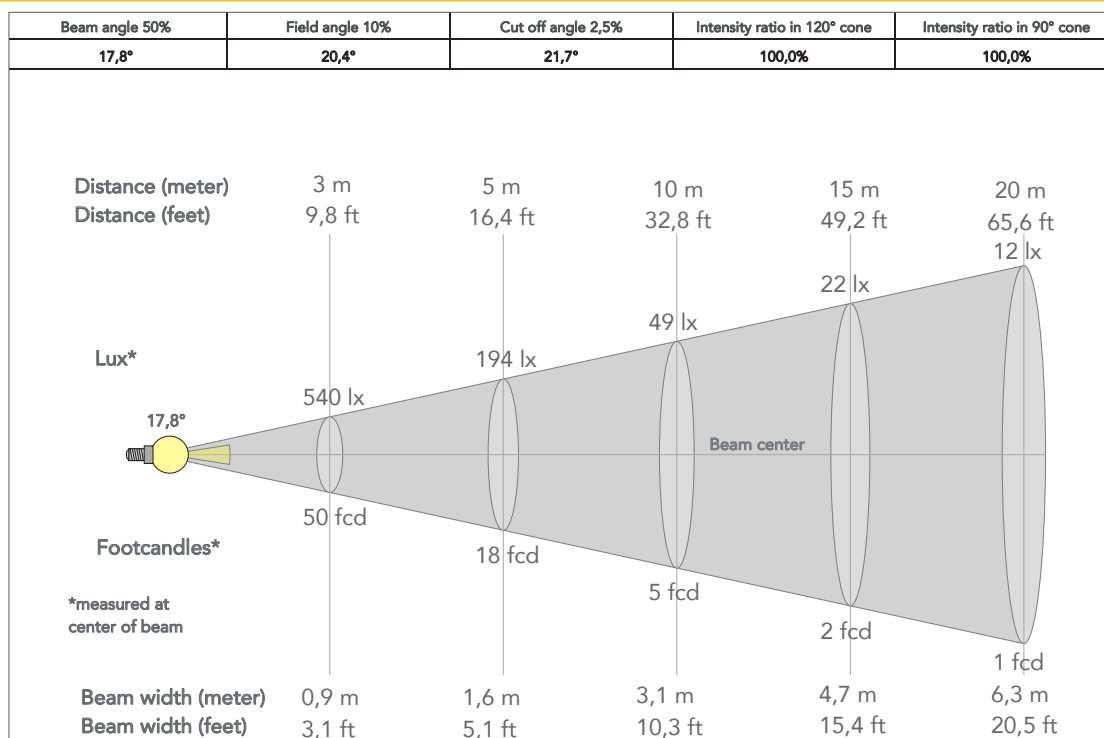- Weight: 1,4kg / 3.09lbs

CERTIFICATIONS / APPROVALS
- Certifications / Approvals: CE, RCM, FCC, cTUVus
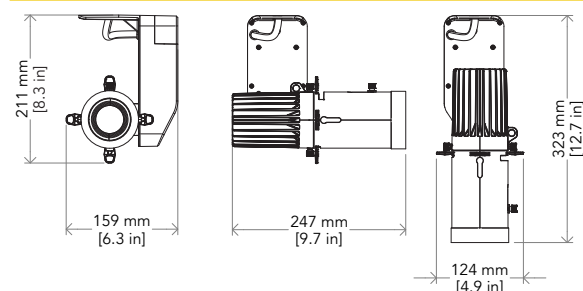
ACCESSORIES & RELATED PRODUCTS

• ECLDISPPHDZL2040B/W	20° - 40° Zoomable High definition profile lenses for Ecl Display series
• ECLDISPPRL08B/W	Fix Profile 8° Lens, with 4 framing shutters, for EclDisplay, black/white housing
• ECLDISPPRHDL18B/W	18° High definition profile lenses for Ecl Display series, black/white housing
• ECLDISPPRHDL36B/W	36° High definition profile lenses for Ecl Display series, black/white housing
• ECLDISPPRHDL50B/W	50° High definition profile lenses for Ecl Display series, black/white housing
• ECLDISPWASHL1530B/W	Zoomable Wash Lens 15-30° for EclDisplay, black/white housing
• ECLDISPWASHL2550B/W	Zoomable Wash Lens 25-50° for EclDisplay, black/white housing
• ECLDISPPRZL1020B/W	Zoomable Profile Lens 10-20°, with 4 framing shutters, for EclDisplay, black/white housing
• ECLDISPPRZL2040B/W	Zoomable Profile Lens 20-40°, with 4 framing shutters, for EclDisplay, black/white housing
• ECLDISPCEILKIT	Ceiling adapter kit for EclDisplay (without flange)
• ECLDISPHSNOOTB/W	Half Snoot for EclDisplay, black/white housing
• ECLDISPFSNOOTB/W	Full Snoot for EclDisplay, black/white housing
• ECLDISPLOUVREB/W	Anti-glare louvre for EclDisplay, black/white housing
• ECLDISPBDNFFB/W	Barndoor and filter frame (compatible with Wash Lenses) for EclDisplay, black/white housing

• ECLDISPGOBOHINDB/W	Gobo holder for EclDisplay with manual index gear on board, black/white housing
• ECLDISPCEILFLGB/W	Black flange to complete the EclDisplay ceiling adapter kit, black/white housing
• PLCPW93075	Power PVC cable H05VV-F 3G0,75, 1 meter lenght
• PLCDX53D5	120 Ohm DMX cable, 2 twisted poles, external sheath with reduced diameter, 1 m
• PLCPD7501P14D	Power & DMX 120 Ohm, 1 meter length
• PLCPD7501P68D	Power & DMX 120 Ohm
• INF7501P14D5L01	YY splitter cable Power 3x1 mm2 + DMX 120 Ohm, bare end
• PLCYA7501P14D	YY splitter cable Power 3x0.75 mm2 + 5p IN/OUT DMX 120 Ohm, bare end, 1 meter
• C6002B	Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
• RSR0630B	Steel security cable for hanging bodies, inox steel shackle, L=60 cm,
• UPBOX1UP5	Firmware uploader kit, USB IN, 5p XLR DMX OUT, DMX OUT
• UPBOXPRO	Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

PRESET FULL ON (2040)

Beam angle 50%: 17,8°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	20,4°	21,7°	100,0%	100,0%

	3 m	5 m	10 m	15 m	20 m
Distance (meter)					
Distance (feet)	9,8 ft	16,4 ft	32,8 ft	49,2 ft	65,6 ft
Lux*	540 lx	194 lx	49 lx	22 lx	12 lx
Footcandles*	50 fcd	18 fcd	5 fcd	2 fcd	1 fcd
Beam width (meter)	0,9 m	1,6 m	3,1 m	4,7 m	6,3 m
Beam width (feet)	3,1 ft	5,1 ft	10,3 ft	15,4 ft	20,5 ft

17,8°

Beam center

*measured at center of beam

TECHICAL DRAWINGS

211 mm [8.3 in]
159 mm [6.3 in]
247 mm [9.7 in]
323 mm [12.7 in]
124 mm [4.9 in]

CERTIFICATIONS / APPROVALS

TÜVRheinland

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

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