

EclDisplay DATVW

33W variable white LED Gallery light, with data control (DMX, Dali T6, knob-dimming)



The **EclDisplay** is a range of revolutionary and flexible LED spotlights designed for galleries, commercials and any public venue where an advanced but classy fixture, with several control options, sources and optic versions available to precisely meet any application. The **EclDisplay** DATVW can be set and addressed through RDM, and includes a broad set of on-board input control options: DMX, DALI Type 6 or local knob dimming control. The **EclDisplay** DATVW includes a high-efficiency 33W tunable white, high CRI LED source, with a CCT range from 2,700K to 5,600K, and it is completed with a wide selection of optional profile (zoom and static) or wash lenses, and other optical accessories like louvres and snoots, making it truly a multi-purpose fixture.

MAIN FEATURES

- Data control through RDM, DMX, DALI Type 6 and local knob dimming
- 33W high CRI tunable white LED, from 2,700K to 5,600K, in black and white housing
- Multiple lens options: profile (zoom and static) or wash optics

VERSIONS

Code	Housing
ECLDISPLAYDATVWB	Black
ECLDISPLAYDATVWW	White

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 35W Variable White LED
- Source CCT: 2700K to 5600K
- Luminous flux: 2700K: (profile - 8°) 461 lm - (profile - 18° HD) 525 lm - (profile - 36° HD) 582 lm - (profile - 50° HD) 573 lm - (profile - 10°-20°) 838 lm @20° - (profile - 20°-40°) 833 lm @40° - (wash 25°-50°) 866 lm @50° - (wash 15°-30°) 802 lm @30°
- Luminous flux: 5600K: (profile - 8°) 641 lm - (profile - 18° HD) 1'180 lm - (profile - 36° HD) 1'242 lm - (profile - 50° HD) 1'225 lm - (profile - 10°-20°) 1'168 lm @20° - (profile - 20°-40°) 1'153 lm @40° - (wash 25°-50°) 1'183 lm @50° - (wash 15°-30°) 1'122 lm @30°
- Lux: 2700K: (profile - 8°) 1'334 lx - (profile - 18° HD) 338 lx - (profile - 36° HD) 110 lx - (profile - 50° HD) 48 lx - (profile - 10°-20°) 1'344 lx @10°; 426 lx @20° - (profile - 20°-40°) 347 lx @20°; 91 lx @40° - (wash 25°-50°) 134 lx @25°; 49 lx @50° - (lx @5 m)
- Lux: 5600K: (profile - 8°) 1'807 lx - (profile - 18° HD) 738 lx - (profile - 36° HD) 232 lx - (profile - 50° HD) 100 lx - (profile - 10°-20°) 1'765 lx @10°; 529 lx @20° - (profile - 20°-40°) 587 lx @20°; 128 lx @40° - (wash 25°-50°) 186 lx @25°; 69 lx @50° - (lx @5 m)
- CRI: 2700K: >96; 5600K: >96
- R9: 2700K: >87; 5600K: >90
- TLCI: 2700K: >96; 5600K: >97
- TM30 Rf: 2700K: >96; 5600K: >92
- TM30 Rg: 2700K: <101; 5600K: <99
- 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 fix 8°, 18°, 36°, 50°
- 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: warm white + cold white - tunable white
- CCT: linear CCT control

DYNAMIC EFFECTS

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

CONTROL

- Supported Protocols: Local Knob, DMX, DALI Type6, RDM
- DMX channels: 1 / 2 / 3 / 4ch
- RDM: for remote addressing and parameter configuration
- Display: user interface through DATAMASTER external coder (not included)

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)

CONNECTIONS

- Power connection: screw terminal blocks
- Data connection: screw terminal blocks
- ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 33W
- Output (at 230V): 40 units on a single power line
- Power factor: > 0,93

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: 1,5kg / 3.31lbs

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, UKCA, RCM, cTUVus, FCC

BOX CONTENT

- 1 x ECLDISPLAYDATVW
- User Manual

ACCESSORIES & RELATED PRODUCTS

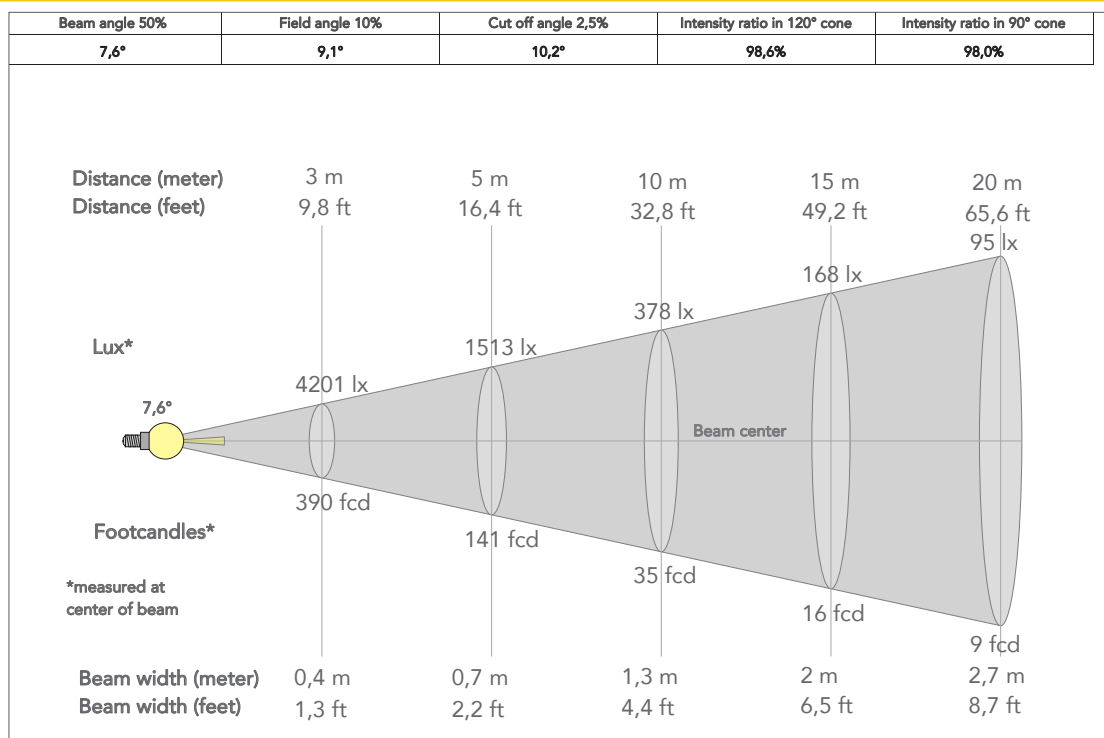
- PLCPW7500D65B/W Power PVC cable H05VV-F 3G0,75, 1 meter lenght, black/white
- ECLDISPFILT01L Light 1° frost filters for ECLDISPLAY and ECLMINI series, 87 mm diameter
- ECLDISPFILT03M Medium 3° frost filter for ECLDISPLAY and ECLMINI series, 87 mm diameter
- ECLDISPFILT10H Heavy 10° frost filter for ECLDISPLAY and ECLMINI series, 87 mm diameter
- GWASHDATWK CRMX Timo Rx kit for GALLERYWASHDAT series
- 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
- ECLDISPPRHDL70B/W 70° 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
- 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
- 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,
- UPBOXPRO Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

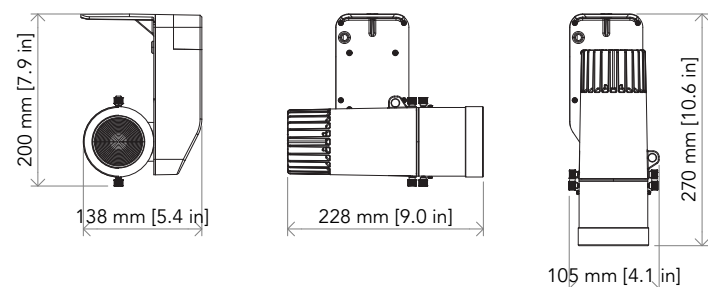
PRESET FULL ON 2,700K

Beam angle 50%: 7.8°

Profile Lens 8°



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