

EclDisplay DATFC

40W RGB+WW LED gallery light, Tunable White and Full Colour with data control (DMX, Dali T8, knob-dimming)



EclDisplay DATFC
+
ECLDISPPRZL2040 (optional)



EclDisplay DATFC
+
ECLDISPWASH1530 (optional)



40W RGB + Warm White LED



Linear CCT channel 2.800 K ~ 10.000 K



Cross fade from white to any colour



(Wash lens - optional) 15° ~ 30° / 25° ~ 50° manual



(Profile lens - optional) 20° ~ 40° manual



Virtual colour wheel with macros



Shutter blades lockable (profile lens only)



360° rotation of lens and framing system



360° rotating barndoors and gel frame holder



Local Knob, DMX, DALI Type8, RDM



Built-in programs with execution speed adjustment



IP 20 for indoor use



RAL 9004 (black standard) - RAL 9010 (white standard)



RAL custom (colour on demand)



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

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for specifications and
tech documentations



EclDisplay is a range of revolutionary and flexible LED spotlights designed for galleries, retail and any public venue where an advanced but classical looking fixture is needed, with several control options, sources and optic versions available to precisely meet any application.

The **EclDisplay** DATFC can be set and addressed through RDM, featuring a broad set of on-board input control options: DMX, DALI Type 8, local knob dimming control. The **EclDisplay** DATFC includes a high-efficiency 40W RGB + Warm White LED capable of delivering both a Full Colour spectrum and also tuneable White, and it is completed with a wide selection of optional zoomable profile or wash lenses, and other optical accessories like louvres and snoots, making it a truly a multi-purpose fixture.

MAIN FEATURES

- Universal control through RDM, DMX, DALI Type 8 and local knob dimming
- 40W RGB + Warm White LED capable to deliver both a Full Colour generation and also Tunable White
- Multiple lens options: zoomable profile or wash optics

VERSIONS

Code	Housing
ECLDISPLAYDATFCB	Black
ECLDISPLAYDATFCW	White



PRODUCT SPECIFICATIONS

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 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: Local Knob, DMX, DALI Type8, RDM
- DMX channels: 5 / 6 / 15ch
- 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): 35W
- Output (at 230V): 40 units on a single power line
- 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

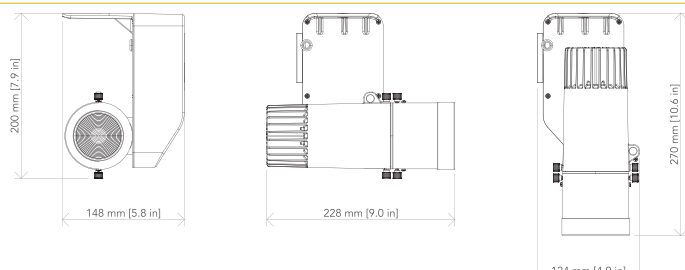
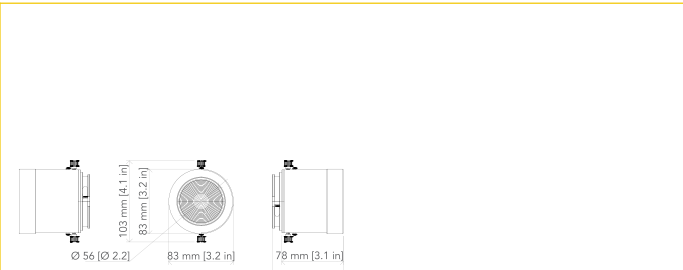
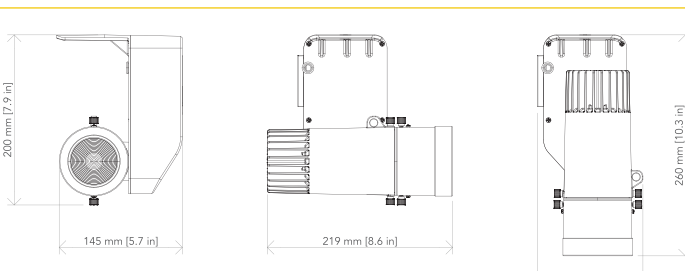
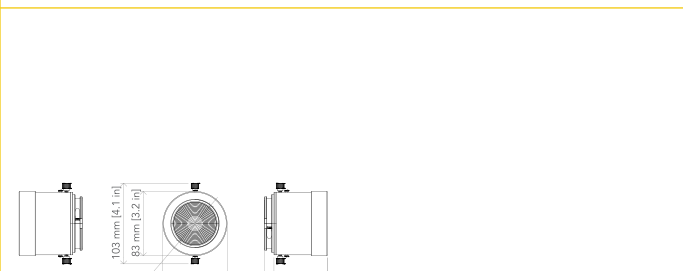
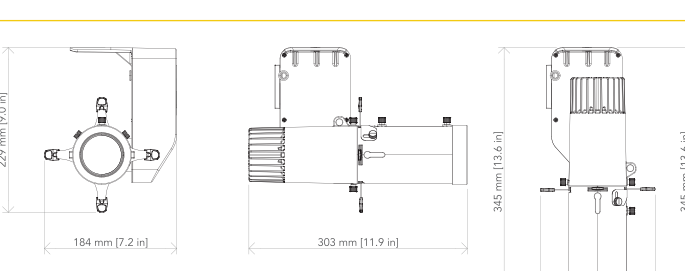
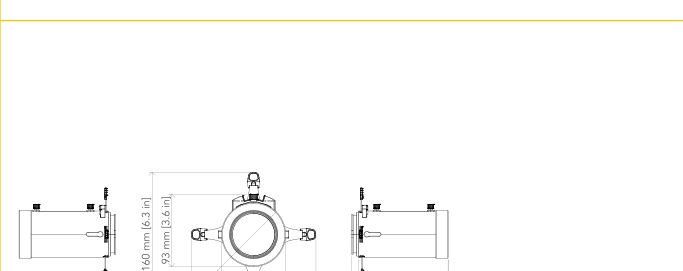
CERTIFICATIONS / REPORTS

- Compliance: CE, UKCA, RCM, cTUVus, FCC

BOX CONTENT

- 1 x ECLDISPLAYDATFC
- User Manual

TECHNICAL DRAWINGS

 Weight: 2.1 kg - 4.63 lbs ECLDISPLAYUNFC with ECLDISPWASHL1530	 ECLDISPWASHL1530
 Weight: 2.08 kg - 4.60 lbs ECLDISPLAYUNFC with ECLDISPWASHL2550	 ECLDISPWASHL2550
 Weight: 2.27 kg - 5 lbs ECLDISPLAYUNFC with ECLDISPPRZL2040	 ECLDISPPRZL2040

ACCESSORIES

- 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 - ECLDISPFNSNOOTB/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 - DATAMASTER RDM/DMX tool, cable tester, 5p XLR connectors, pouch, charging cable, XLR adapters
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ACCESSORIES

▪ NAXTSC61002	Global Pulse XTSC Lighting Track, 3 circuit DALI, 1000mm, black	▪ NAXTSNC6383	Global Pulse XTSN Connector 3-CCT DALI X connector, white
▪ NAXTSC61003	Global Pulse XTSC Lighting Track, 3 circuit DALI, 1000mm, white	▪ NAXTSNC6392	Global Pulse XTSN Connector 3-CCT DALI T connector, earth right/left, black
▪ NAXTSC62002	Global Pulse XTSC Lighting Track, 3 circuit DALI, 2000mm, black	▪ NAXTSNC6393	Global Pulse XTSN Connector 3-CCT DALI T connector, earth right/left, white
▪ NAXTSC62003	Global Pulse XTSC Lighting Track, 3 circuit DALI, 2000mm, white	▪ NAXTSNC6402	Global Pulse XTSN Connector 3-CCT DALI T connector, earth left/right, black
▪ NAXTSC63002	Global Pulse XTSC Lighting Track, 3 circuit DALI, 3000mm, black	▪ NAXTSNC6403	Global Pulse XTSN Connector 3-CCT DALI T connector, earth left/right, white
▪ NAXTSC63003	Global Pulse XTSC Lighting Track, 3 circuit DALI, 3000mm, white	▪ NAXTS412	Global Pulse XTS Connector 3-CCT DALI END cap, black
▪ NAXTSC64002	Global Pulse XTSC Lighting Track, 3 circuit DALI, 4000mm, black	▪ NAXTS413	Global Pulse XTS Connector 3-CCT DALI END cap, white
▪ NAXTSC64003	Global Pulse XTSC Lighting Track, 3 circuit DALI, 4000mm, white	▪ NAKKT3013184	Kit for Global Pulse 3-Circuit MULTI Adapter NAXTSA68
▪ NAXTSC6112	Global Pulse XTS Connector 3-CCT DALI end feed, earth right, black	▪ NAKKT3013185	Kit for Global Pulse 3-Circuit MULTI Adapter NAXTSA68
▪ NAXTSC6113	Global Pulse XTS Connector 3-CCT DALI end feed, earth right, white	▪ NAKKT306007	Kit for Global Pulse DMX/DALI 3-Circuit Adapters NAGAC600
▪ NAXTSC6122	Global Pulse XTS Connector 3-CCT DALI end feed, earth left, black	▪ NAKKT306008	Kit for Global Pulse DMX/DALI 3-Circuit Adapters NAGAC600
▪ NAXTSC6123	Global Pulse XTS Connector 3-CCT DALI end feed, earth left, white	▪ NAXTSA682	Global Pulse 3-Circuit MULTI Adapter, 10A 100N Slot connection, black
▪ NAXTSC6142	Global Pulse XTS Connector 3-CCT DALI middle feed, black	▪ NAXTSA683	Global Pulse 3-Circuit MULTI Adapter, 10A 100N Slot connection, white
▪ NAXTSC6143	Global Pulse XTS Connector 3-CCT DALI middle feed, white	▪ NAGAC6002	Global Pulse DMX/DALI 3-Circuit Adapters, 10A 100N Slot connection, black
▪ NAXTSC6212	Global Pulse XTS Connector 3-CCT DALI straight connector, black	▪ NAGAC6003	Global Pulse DMX/DALI 3-Circuit Adapters, 10A 100N Slot connection, white
▪ NAXTSC6213	Global Pulse XTS Connector 3-CCT DALI straight connector, white	▪ NASPW12SK215M	Global Pulse Track clip wire suspension set 1.5m, 150N, black
▪ NAXTSC6232	Global Pulse XTS Connector 3-CCT DALI flexible corner connector, black	▪ NASPW12SK25M	Global Pulse Track clip wire suspension set 5m, 150N, black
▪ NAXTSC6233	Global Pulse XTS Connector 3-CCT DALI flexible corner connector, white	▪ NASPW12SK315M	Global Pulse Track clip wire suspension set 1.5m, 150N, white
▪ NAXTSNC6342	Global Pulse XTSN Connector 3-CCT DALI L connector, earth right, black	▪ NASPW12SK35M	Global Pulse Track clip wire suspension set 5m, 150N, white
▪ NAXTSNC6343	Global Pulse XTSN Connector 3-CCT DALI L connector, earth right, white	▪ NAXTSA57129	Global Pulse Rotating Nipples 3-Circuit Adapters, M10, H 12mm, D 7,4mm
▪ NAXTSNC6352	Global Pulse XTSN Connector 3-CCT DALI L connector, earth left, black	▪ NAXTSA55129	Global Pulse Rotating Nipples 3-Circuit Adapters, M13, H 12mm, D 9mm
▪ NAXTSNC6353	Global Pulse XTSN Connector 3-CCT DALI L connector, earth left, white	▪ NAGAM109	Global Pulse Nut M10 for NAXTSA57129
▪ NAXTSNC6362	Global Pulse XTSN Connector 3-CCT DALI T connector, earth right/right, black	▪ NASKB122	Global Pulse Track Mounting Clamp for Rod and Wire, 200N, black
▪ NAXTSNC6363	Global Pulse XTSN Connector 3-CCT DALI T connector, earth right/right, white	▪ NASKB123	Global Pulse Track Mounting Clamp for Rod and Wire, 200N, white
▪ NAXTSNC6372	Global Pulse XTSN Connector 3-CCT DALI T connector, earth left/left, black	▪ INF7501P14D5L01	YY splitter cable Power 3x1 mm2 + DMX 120 Ohm, bare end
▪ NAXTSNC6373	Global Pulse XTSN Connector 3-CCT DALI T connector, earth left/left, white	▪ EUT997592	EUTRAC multiAdapter with data bus option
▪ NAXTSNC6382	Global Pulse XTSN Connector 3-CCT DALI X connector, black	▪ EUT997596	EUTRAC multiAdapter with data bus option
		▪ EUT990662	Mounting nut66 for EUT99759
		▪ EUT990666	Mounting nut66 for EUT99759
		▪ EUT996980	Data bus tap EUT99759

ORDERING INFORMATION

MODEL	COLOUR TEMP	HOUSING	LENS TYPE	OPTICAL ACCESSORIES	TRACK ADAPTER & DRIVER	CEILING INSTALLATION
ECLDISPLAYDAT	FC (RGB + WW)	BK (black housing) WH (white housing)	ECLDISPWASHL1530 (15°-30° wash lens) ECLDISPWASHL2550 (25°-50° wash lens) ECLDISPPRZL2040 (20°-40° profile lens)	ECLDISPHSNOOT (half snoot) ECLDISPFSNOOT (full snoot) ECLDISPLOUVRE (anti-glare louver) ECLDISPBDNFF (barndoor + filter frame) ECLDISPGOBOHIND (gobo holder)	NAXTSA68 (Nordic Aluminium track adapter) NAGAC600 (Nordic Aluminium track adapter with DALI) NAXTSA5 (Nordic Aluminium rotating nipple) NAGAM1 (Nordic Aluminium nut)	ECLDISPCEILKIT (ceiling installation kit) ECLDISPCEILFLG (ceiling installation flange)