



TUNGSTEN
LAMP
EFFECT

ZOOM
5.5° - 75°

BEAM
SHAPER
MODULE



Packaging

Cardboard
ROBIN DL4F Wash™



570 x 610 x 800 mm
(22.4" x 24.0" x 31.5")

Single Top Loader Case
ROBIN DL4F Wash™



560 x 580 x 760 mm
(22.5" x 22.8" x 29.9")

Dual Top Loader Case
ROBIN DL4F Wash™



1130 x 590 x 760 mm
(44.5" x 23.2" x 29.9")

Exterior dimensions



www.robe.cz



Head office: ROBE lighting s. r. o. | Hážovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz | Factory: ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz | UK: ROBE UK Ltd. | Northampton | United Kingdom | Tel.: 01604 741000 | E-mail: info@robeuk.com | France: ROBE Lighting France SAS | ZI Paris Nord 2 | Bâtiment Euler | 33, rue des Vanesses | 93420 Villepinte | Tel.: +33 1 48 63 84 81 | Fax: +33 1 48 63 84 87 | E-mail: info@robelighting.fr | America: ROBE Lighting Inc. | 12349 SW 53rd Street, Suite 202 | Cooper City | Florida | USA | Tel.: +1 954 680 1901 | E-mail: info@robelighting.com | Asia and Pacific: Robe Lighting Asia Pacific Pte. Ltd. | 12 New Industrial Road | #02-05 Morningstar Centre | S-536202 | Singapore | Tel.: +65 6280 8558 | E-mail: sales@robeap.com | Middle East: Robe Middle East trading LLC | Office Nbr 507 5th floor | Al Asmawi Building DIP 1 | Dubai | UAE | Po Box: 391 898 | Tel.: +971 4 885 3223 | E-mail: info@robe-me.com | Russia and CIS: Taganskaya str. 26-1-72 | 109004 Moscow | Russia | Tel.: +7 495 504 9569 | E-mail: info@roberussia.com | Central and South America: Galicia 1198 ap 303 | 1100 Montevideo | Uruguay | Tel.: +5982 900 67 47 | E-mail: info@robecca.com

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ROBIN® DL4F Wash™



30%
BRIGHTER
LED MODULE

FRESNEL
WASH
FIXTURE

TRUE
WHITES



DL4F Wash

This is the perfect companion to the ROBIN® DL4S Profile, the new **ROBIN® DL4F Wash** is based on the same RGBW LED module with improved brightness and with specifically modified colour mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels. With a perfectly smooth output via the front Fresnel lens, this fixture has been optimized for those wanting an even light output with no shadows. (RGB breakups and shadows are not present even when on closely positioned trussing or other objects.) Mechanical features include a newly designed linear motorized zoom of 5.5°–60° and a diffusion filter for extension of the zoom up to 75°. The fixture uses an internal Barndoor module for creating different shapes. The module consists of four individually controllable blades and is rotatable by plus or minus 90 degrees. Advanced software features include RGBW or CMY colour mixing, a set of calibrated whites, CTO, Tungsten lamp emulation (amber shift) and more.

Source

- Light source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs

Optical System and effects

- RGBW or CMY colour mixing mode
- Beam angle: 5°– 60° (75° with frost)
- Beam shaping module with four individually controllable blades
- Beam shaping module rotatable by 180°
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
- Tungsten lamp effect at whites 2.700K and 3.200K
- CTO filter
- Colour rainbow effects in both directions with variable speed
- Strobe effect with variable speed (max. 20 flashes per second)

Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–250V, 50/60 Hz
- Max. power consumption: 550W @ 230V / 50 Hz (RGBW=full)
- Typical power consumption: 160W–215W (one colour=full)

Mechanical Specification

- Height: 681 mm (26.8") - head in vertical position
- Width: 432 mm (17.0")
- Depth: 483 mm (19.0") - head in horizontal position
- Weight: 20.8 kg (45.9 lbs)
- Fixation option: Pan/Tilt-lock mechanism

Thermal

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum housing temperature: 90 °C (194 °F)

Control and programming

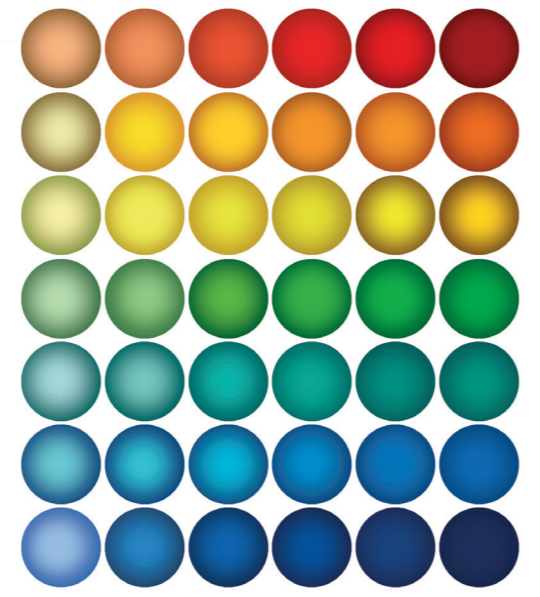
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Control channels: 29, 23, 21
- 3 DMX protocol modes
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- 3-editable programs, each up to 100 steps
- Stand-alone operation
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning, operation memory service log with RTC
- Pan/Tilt resolution: 8 or 16 bit
- Movement control: Tracking and vector
- RGBW (CMY), 8 or 16 bit colour mixing
- Zoom: 8 or 16 bit
- Beam shaping module rotation: 8 bit
- Beam shaping blades movement: 8 bit
- 41 beam shaper macros
- Electronic Dimmer: 8 or 16 bit
- Theatre mode for silent operation
- Ethernet port: Art-Net protocol, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power input: Neutrik PowerCon
- Built-in analyser for easy fault finding

Electromechanical Effects

- Four internal Barndoors
- Barndoors module rotation +/- 90°
- Frost effect: Separate, variable
- Motorized zoom: 8°– 55°
- Pan: 540°
- Tilt: 260°

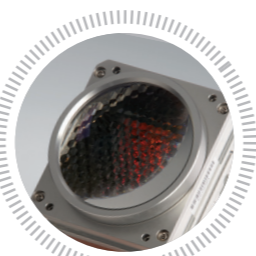
Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega bracket with ¼-turn quick locks



NEW LED module

The new, 30% brighter, ROBE LED module is precisely unified and offers very powerful colour output utilizing unique combination of RGBW high powered single chip LEDs for perfect projection, while drawing very little energy and lasting for amazing 20.000 hours. The LED module is combined with an advanced heat management for very silent operation. (Patent pending).



LED colours

ROBIN DL4F Wash is able to produce 4.300 from pastel to saturated colours.



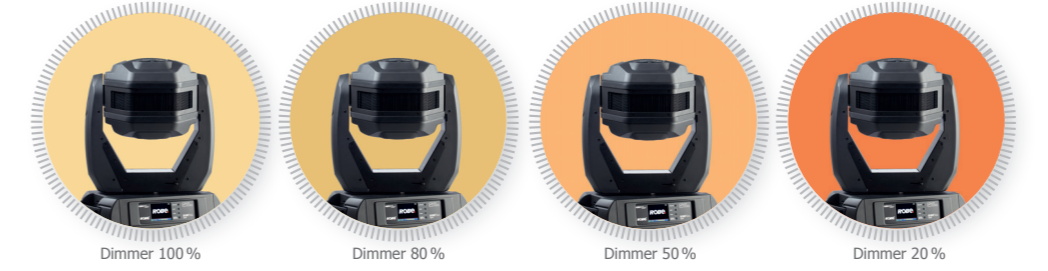
True White Colours

Spotless Colour mixing of specially calibrated LEDs together with predefined values on a Virtual Colour wheel channel allow quick direct calling of exact white hues of 2.700K, 3.200K, 4.200K, 5.600K and 8.000K.



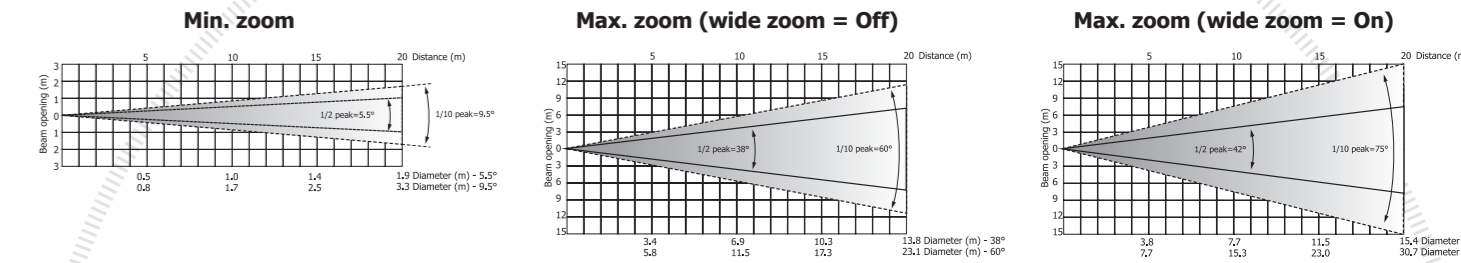
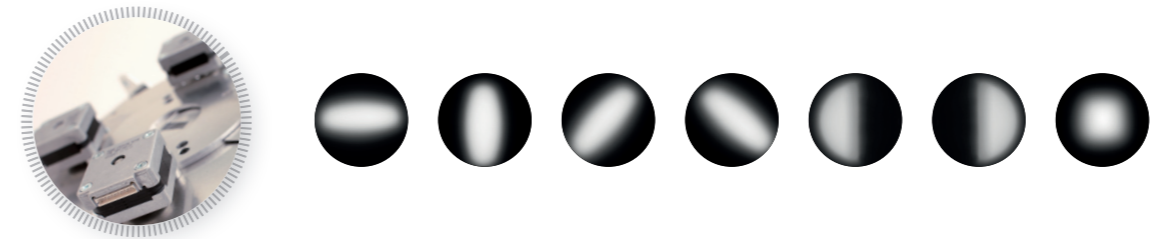
Tungsten effect

In the Halogen lamp mode predefined for White Halogen 2.700K and 3.200K, the Dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) during dimming.



DL4F Beam Shaping module

Robin DL4F Wash uses a beam shaping module for creating different rectangular and square soft edged shapes, which also simulate barndoor effects. The module consists of four individually controllable blades and is rotatable by 180 degrees. (Patent pending).



Distance (m)	5	6	8	10	12	14	15	20
Red	3100/280	2153/200	1210/113	775/72	538/50	392/37	344/32	194/18
Green	7200/669	5000/465	2813/261	1800/167	1250/116	918/85	800/74	450/42
Blue	1500/139	1041/97	586/54	375/35	260/24	191/18	167/16	94/9
White	7000/650	4861/452	2734/254	1790/165	1215/113	863/83	770/72	438/41
R+G+B+W	1600/176	1040/124	570/68	480/64	333/319	245/228	213/198	120/111

Distance (m)	5	6	8	10	12	14	15	20
Red	96/8	61/6	34/3.2	22/2	15/1.4	11/1.0	10/0.9	6/0.5
Green	188/18	131/12	73/7	47/4	33/3	24/2.2	21/1.9	12/1.1
Blue	42/4	29/2.7	16/1.5	11/1	7/0.7	5/0.5	5/0.4	3/0.2
White	515/54	360/30	205/18	130/12	90/8	65/6	58/5	35/3
R+G+B+W	40/4	27/2.7	15/1.5	10/1.0	7/0.7	5/0.5	5/0.4	3/0.2

Distance (m)	5	6	8	10	12	14	15	20
Red	5/5	4/4	2/2	1/1.2	10/0.8	7/0.7	6/0.6	4/0.3
Green	13/12	9/9	5/5	3/3	2/2	1/1.5	1/1.3	0/0.1
Blue	3/0.3	2/1.9	1/1.1	0/0.1	5/0.5	4/0.4	3/0.2	2/0.2
White	11/10	7/7	4/4	2/2	1/1.8	1/1.3	1/1.2	0/0.1
R+G+B+W	31/30	21/20	12/11	7/7	5/5	4/4	3/3	1/1.0

