

FLDX 2.5 - 4.6 (EN64)

Long Zoom lens with encoders



The EN64 is an all-glass lens that is designed to optimize the image quality and performance of your projection product. The internal lens elements are carefully selected and coated to achieve the highest resolution performance and the coatings are furthermore optimized for night vision and IR transmission for training with Night Vision Goggles. The lens comes with encoders for accurate positioning of zoom, focus and iris.

Can also be used on the Barco Fx400-HR series with adapter.

Can also be used on the Barco F80-series with adapter and related software.

Product specifications**FLDX 2.5 - 4.6 (EN64)**

General specifications	
Lens type	FLDX EN64 Long Zoom lens with encoders for
Platform	Fx40 Mk1/Mk2, Fx70, F80, F90 and Fx400
Working F/#	F 2.04-2.87 Motorized Iris F/2.04-6.0
Throw Ratio	DMD chip <ul style="list-style-type: none">▪ 4K 2.19-4.05:1▪ WQXGA 2.50-4.63:1▪ WUXGA 2.33-4.32:1▪ F80 (WQXGA/4K UHD) 3.30 - 6.08:1 (F80 requires the FLD/FLD+ lens adapter)▪ F400-HR native 4K 2.19-4.05:1 (Requires the use of individual F400-lens adapters) TR: Front of lens, 111.4'@6m
Zoom ratio	Image size tolerance +/-2% 1.85 Motorized zoom and focus
Focal length	49.52 – 91.6 mm
Focus Range	Standard: 2.5m –25m (Optical)
MTBF	66 lp/mm Center: 60% min, Corner 50% min
Lateral lens color on edge of image	440-650nm < 3.78 micron
Optical	Optical distortion Within -1.0 % at any projection distance
Weight	3.08 kg
Lens Shift	vertical +/-134% horizontal +/-50%

Last updated: 28 Apr 2023

© 2018 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.