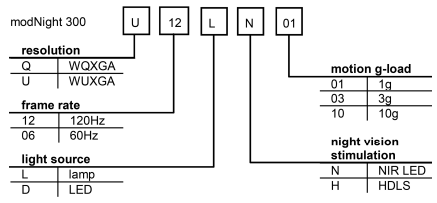
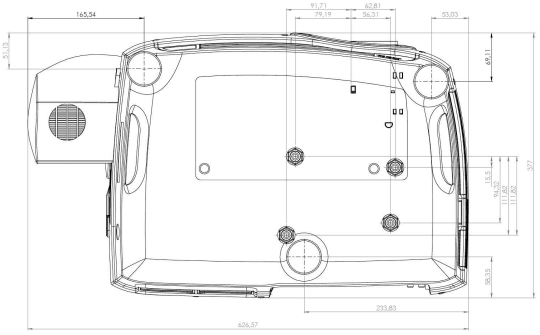
modNight 300 U12LH01 technical specifications

projector		DLP® digital projector
display	technology	single chip DMD™ (Digital Micromirror Device™)
	concept	sealed, all-glass optical design with lens shift
	available resolutions	1920 x 1200
	brightness	2000 lumens
	contrast ratio	7500 : 1
	colours	30-bit
	colour management accuracy	± 0.002 on x, y, z axis with VizSim colour wheel
	image processing latency	~ 22 ms on graphics port
input signal compatibility	computer	up to 1920 x 1200 pixels
	horizontal scan frequency	15 - 150 kHz
	vertical scan frequency	48 - 190 Hz
	video	HDTV (1080i, 720p, 576i/p, 480i/p)
		NTSC 3.56/4.43, PAL BGHI, M, N, SECAM
	bandwidth	HDTV (1080i, 720p, 576i/p, 480i/p)
		NTSC 3.56/4.43, PAL BGHI, M, N, SECAM
optics	available lenses	fixed focal ultra wide angle EN12 (503-0057-00)
		fixed focal wide angle EN15 (503-0060-00)
		wide angle zoom EN13 (503-0058-00)
		standard zoom EN11 (503-0056-00)
		short tele zoom EN14 (503-0059-00)
		long tele zoom EN16 (503-0061-00)
	optical lens shift	WUXGA vertical: ± 110% horizontal: ± 90%
	focusing distance	0.5 - 40m (see separate lens specifications)
	optical lens shift	vertical and horizontal
		EN12 on axis only
	lens iris control	F/2.1 – 6.5 for all lenses, continuously adjustable
	shutter	mechanical
	colour wheel options	RGBRGB
	lamp	2 x 300W UHP™
	lamp life	2000 hrs (5000 hrs in eco relay mode)
	replacement lamp part no.	400-0500-00
frame rate	DLP® operates at 120 Hz	smear and motion blur reduction
	video signal	two separate 60Hz video input channels
	blending	effective blending of near infrared images due to separate input channels

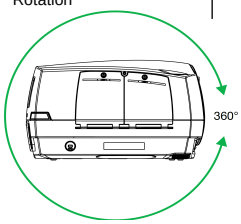
High **D**ynamic **L**ight **S**ource & NVG capability	light source	2 x 300W UHP lamps
	dimmable	two separate spectral filters adjust the actual output intensity in the visible and nir region
	contrast	300.000:1 sequential contrast ratio due to dimmable light source
	stimulation of night vision goggle	ambient light amplification / near infrared radiation coming from the nir spectrum range of the UHP lamp
	Lamp life (typically expected)	2000 hrs
	HDLS life	>20000 hrs
connectivity	computer	1x HDMI (1.3)
		1x DVI-D
	video	1x HDMI (1.3)
		1x DVI-D
	control and communication for master board	1x RJ45 TCP/IP network port
		2x RS232 9-pin DSUB
		1x USB – mouse control & firmware upgrade
		2x 12V (60mA) triggers (screen drop / aspect)
		1x RC repeater, 3.5mm mini jack
	other	2x configurable XPort™ (front- / back end)
supplied accessories	cables	4m power cord (country dependant)
	other	backlit IR remote control, ceiling mount cable cover
		product documentation
general	dimensions (dwh)	376 x 627 x 230 mm (ex. lens)
	weight	about 12.6 kg (ex. lens)
	environmental	RoHS, WEEE
	security	4-digit PIN code, Kensington lock
	power requirements	100 – 240 VAC, 50/60 Hz, +/- 10%
		<1050W power consumption
	BTU/hr	<2900
	conformances	CE, CSA "C/US", FCC Class A, CCC
	operating temperature	0 – 40ºC / 32 – 104ºF, 0 – 1500 m
		0 – 35ºC / 32 – 95ºF, 1500 – 3000 m
	operating and storage	20 – 90% RH
	available colours	black metallic, silver metallic
	warranties	2 years, 24/7, 500 hours or 90 days on lamp
		Up to 5 years total extended warranty available. Conditions apply.

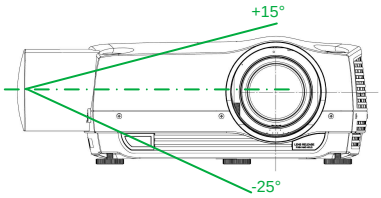
product key

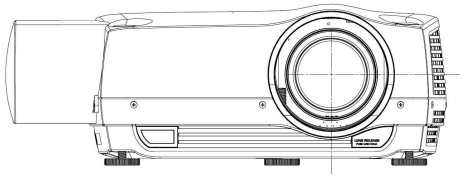




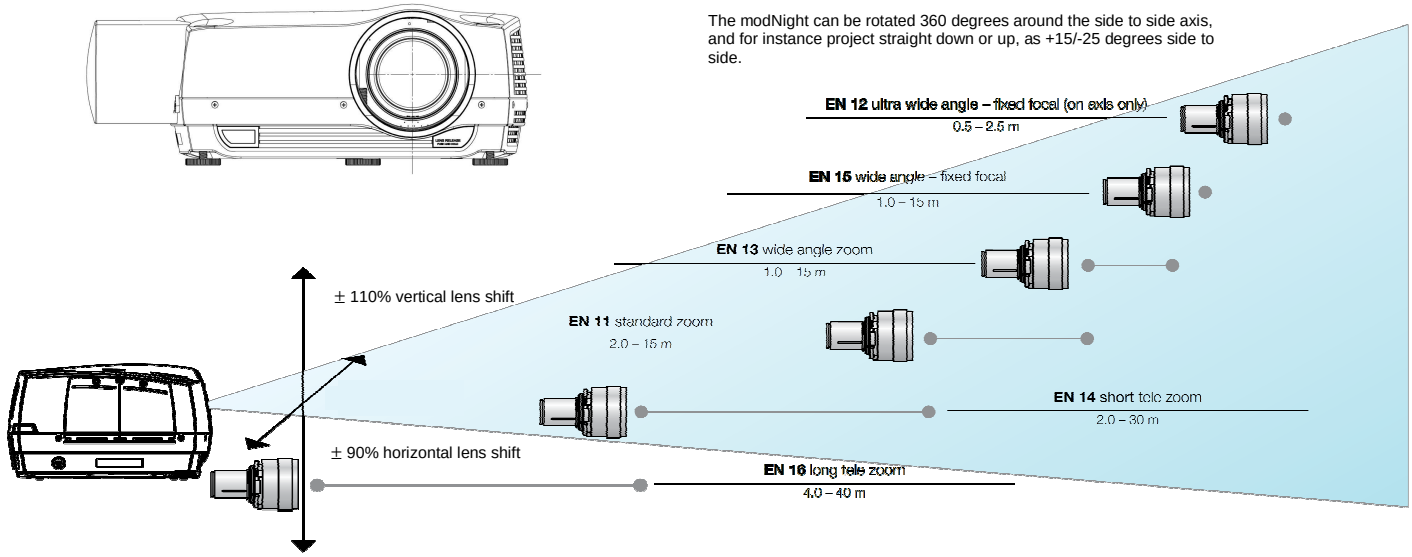
Rotation







The modNight can be rotated 360 degrees around the side to side axis, and for instance project straight down or up, as +15/-25 degrees side to side.



Multiple lens options and very wide lens shift adjustment ranges allow for flexibility in instalations