



Overview

Product name	LG4
Principle	High intensity illuminator for transparent charts based on LED technology.

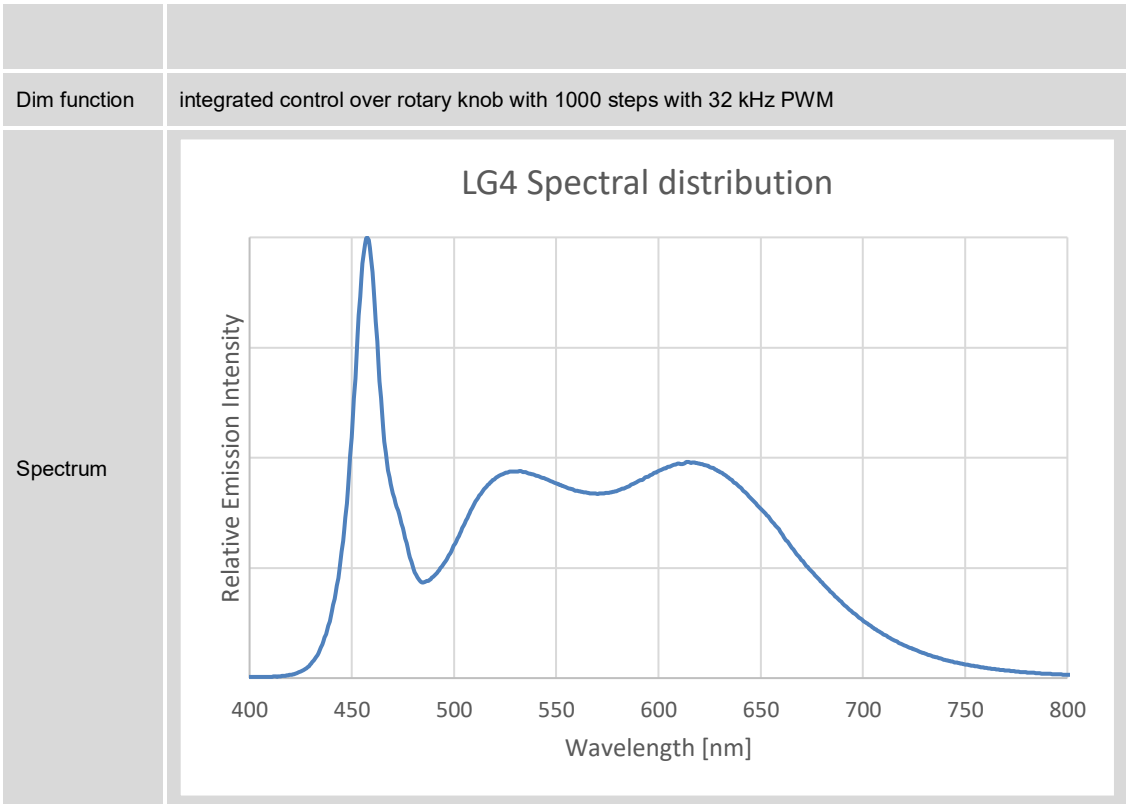
Features

Hardware

Output window	rectangular output window, 290 x 220 mm dual slot for D280 sized test charts
Max. device height	470 mm
Slides for test charts	2
Max. device depth	120 mm
Max. device weight	approx. 7,5 kg

Illumination

Light source	432 LEDs
CRI	>90 Ra
Color Temperature	approx. 5000K +/-5%
Uniformity	> 95 % for active chart area*, 280 x 157.5 mm > 85% at intensity settings lower the 1% of max. intensity
Illumination stability	+/-5% (after warm up)
Warm up time	Up to 10 min (depending on set illumination level and ambient temperature)
Guaranteed illumination range	Approx. 10 – 65000 lx *** <ul style="list-style-type: none"> • normal mode: 0 – 100% / 32 kHz / 100 to 65000 lx *** • low mode: 0 – 100% / 32 kHz / 10 to 6500 lx ***



Software

System requirements	PC with Windows 7 operating system (or higher) USB port
Functions	<ul style="list-style-type: none"> • Intensity • Groups • Presets
API (C++)	optional extra



General description hardware

Power supply / consumption	110 V / 230 V, 250 W
Ports	1 x USB for software control 1 x 24 V DC Power 1 x CAN in 1 x CAN out
Dimension lighting unit [W x H x D]	590 x 470 x 120 mm
Weight	7.5 kg illumination unit
Connection to tripod	Handle prepared for LG4 Tripod
Operating conditions	Optimal: 22 - 26 °C Maximum: 18 - 28 °C
Scope of delivery	1 x LG4 1 x Tripod Handle 1 x 2 m Power Supply Cable 1 x 3 m USB Cable 1 x User Manual 1 x LG Software

Miscellaneous

Accessories	C++ API LG4 Tripod 5m CAN cable
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* measured on chart plane

** Absolute inaccuracy is dependent on the inaccuracy of the used calibration device

*** Absolute intensity range is dependent on the inserted chart