



KONICA MINOLTA

LED TECHNOLOGY

The future of visual colour assessment



Giving Shape to Ideas

LED Technology – Innovation for Visual Colour Evaluation

A lighting cabinet enables users to view colours under consistent lighting conditions.

The use of a colour assessment cabinet is recommended when carrying out visual assessments of colour samples.

Using a JUST Normlicht LED colour assessment cabinet can help eliminate quality and supply chain problems caused by inconsistent lighting conditions when viewing critical colours.

The ability to program specific lighting colours, measured with a light measuring device, enables the user to assess colours under both standard and special light sources. Metamerism and other colour inconsistency can be clearly identified and simulated for many different lighting conditions.

JUST Normlicht has developed the first LED light source that meets the requirements of colour assessment for all industries where colour is a critical quality issue.

The LED Color Viewing Light hybrid offers additional fluorescent light tubes to enable accurate assessment of metamerism under fluorescent lighting.

LED Color Viewing Light v8 (S · L · XL · XXL)

- 4 sizes available (S, L, XL, XXL)
- Possibility to add fluorescent tubes (hybrid version)
- 5 LED-based illuminants
- Simulation of standard illuminants D50 and D65, as well as UV-A
- New LED standard illuminants B1, B2, or B3 (according to CIE 15:2018)
- D50/D65 Continuous dimming
- Mixed-light function



LED Color Viewing Light v8 L



LED Color Viewing Light v8 XL



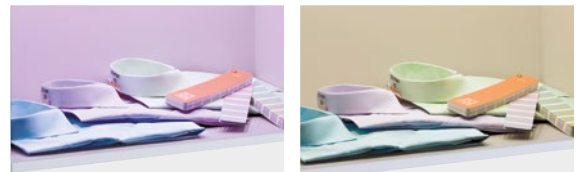
LED Color Viewing Light v8 S



LED Color Viewing Light v8 XXL

LED Color Viewing Light v2 (M / XL)

- Simulation of standard Daylight e.g. D50, D65, D75
- Simulation of different UV levels to visualize fluorescence (e.g. optical brighteners)
- Light colour selectable from a large gamut (only available with optional software)
- Unique calibration process creates stable lighting conditions
- Lifespan of the Multispectral LED light source is 10x that of fluorescent tubes
- Mercury Free
- Additional fluorescent light tubes (standard is TL84, can be customized upon request) to accurately visualize metamerism effects with fluorescent lighting (Hybrid version)



Perfect creation of multiple light colour for immediate recognition of metamerism failures.

LED Color Proof Light v2 XL Hybrid Luminaire

- Simulation of standard Daylight e.g. D50, D65, D75
- Simulation of different UV levels to visualize fluorescence (e.g. optical brighteners)
- Light colour selectable from a large gamut (only available with optional software)
- Unique calibration process creates stable lighting conditions
- Lifespan of the Multispectral LED light source is 10x that of fluorescent tubes
- Three additional fluorescent light tubes (standard is TL84, can be customized upon request) to accurately visualize metamerism effects with fluorescent lighting
- Can be used as luminaire version (hanging)



Color Viewing Light (Basic M · XL · XXL)

Light cabinets using traditional fluorescent lamp technology (Basic 4 or 5 lamps, Professional M / XL / XXL 5 lamps versions).

- Basic 4 lamps: Illuminants D65 / TL84 / A / UV
- Basic 5 lamps: Illuminants D50 / D65 / TL84 / A / UV
- Professional 5 lamps: Illuminants D50 / D65 / TL84 / A / UV
- Service hour meter
- Electronic control panel (Color Viewing Light 5 lamps)
- Metameric- and glare-free viewing surface
- Electronic control panel



Model	LED Color Viewing Light v8 S	LED Color Viewing Light v8 L	LED Color Viewing Light v8 XL	LED Color Viewing Light v8 XXL
Light sources	D50, D65, ATL1*, ATL2*, UV-A	D50, D65, ATL1*, ATL2* UV-A	D50, D65, ATL1*, ATL2* UV-A	D50, D65, ATL1*, ATL2*, UV-A
Outside dimensions W x H x D (cm)	70 x 71 x 43	132 x 97 x 60	162 x 95 x 60	132 x 97 x 80
Illuminated area W x H x D (cm)	64 x 56 x 36	125 x 79 x 54	155 x 79 x 54	125 x 85 x 74
Weight (kg)	TBC			
User Calibration	—			

* Select from B1, B2 or B3 (default: B1 + B3)

Model	LED Color Viewing Light v2 M (Hybrid)	LED Color Viewing Light v2 XL (Hybrid)	LED Color Proof Light v2 XL (Hybrid Luminaire)	Color Viewing Light Basic (4 lamps)	Color Viewing Light M Professional (5 lamps)	Color Viewing Light XL Professional (5 lamps)	Color Viewing Light XXL Professional (5 lamps)
Light sources	D50, D65, A, simulated TL84, UV*	D50, D65, A, simulated TL84, UV*	D50, D65, A, UV + tubes**	D65, A, TL84, UV	D50, D65, A, TL84, UV	D50, D65, A, TL84, UV	D50, D65, A, TL84, UV
Outside dimensions W x H x D (cm)	68 x 51 x 42	108 x 88 x 80	108 x 12 x 80	70 x 47 x 43	81 x 60 x 60	165 x 94 x 60	128 x 111 x 100
Illuminated area W x H x D (cm)	65 x 38 x 36	95 x 64 x 73	100 x 70	64 x 33 x 36	75 x 41 x 51	155 x 76 x 54	114 x 80 x 83
Weight (kg)	34	88	72	14	17.5	24	67
User Calibration	Unique LED calibration method (Pat. Pend.) provides long-lasting, consistent light quality			—	—	—	—

* Independent selection of colour temperature or chromaticity coordinates in the available colour space with software

** Standard is TL84; can be customized upon request

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ISO Certifications of KONICA MINOLTA, INC., Sakai Site



JQA-QM1588
Design, development, manufacture/
manufacturing management, calibration,
and service of measuring instruments



JQA-E-80027
Design, development,
manufacture, service and sales
of measuring instrument

