KONICA MINOLTA

LED TECHNOLOGY

The future of visual color assessment

JUST NORMLICHT

Giving Shape to Ideas

LED Technology –
Innovation for Visual Color Evaluation

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

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

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

The ability to program specific lighting colors, measured with a light measuring device, enables the user to assess colors under both standard and special light sources. Metamerism and other color 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 color assessment for all industries where color is a critical quality issue.

The LED color viewing Light XL hybrid offers three additional fluorescent light tubes to enable accurate assessment of metamerism under fluorescent lighting.
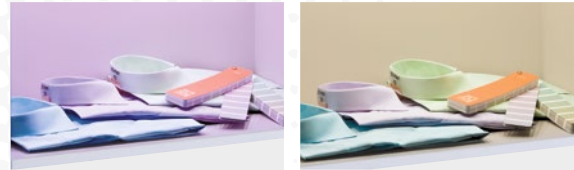
→ LED ColorControl

- Simulation of standard Daylight e.g. D50, D65, D75
- Integrated groove
- 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
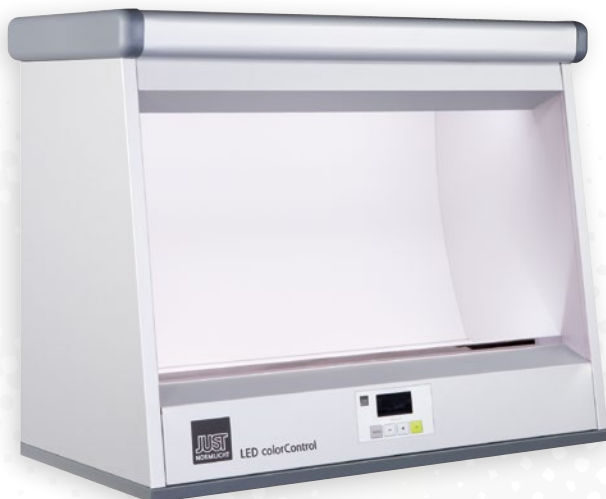
Perfect creation of multiple light colour for immediate recognition of metameric failures.

→ # LED Color Viewing Light & LED Color Viewing Light XS

- 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

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

→ # LED Color Viewing Light XL Hybrid

- 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 metameric effects with fluorescent lighting
- Can be used as luminaire version (hanging)

➡ Color Viewing Light

Light cabinets using traditional fluorescent lamp technology (4 or 5 lamps versions).

- 4 lamps: Illuminants D65 / TL84 / A / UV
- 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

➡ Color Viewing Light XL & XL 3B

Large format light cabinets using traditional fluorescent lamp technology (5 lamps versions only).

- 5 lamps: Illuminants D50 / D65 / TL84 / A / UV
- Service hour meter
- Electronic control panel
- Metameric- and glare-free viewing surface

Model	LED Color Control	LED Color Viewing Light	LED Color Viewing Light XS	LED Color Viewing Light XL Hybrid	Color Viewing Light (4 lamps)	Color Viewing Light (5 lamps)	Color Viewing Light XL	Color Viewing Light XL 3B
Light sources	D50 (incl. UV), D50 (UV cut), D65*	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 58 x 37	68 x 51 x 42	36 x 51 x 42	108 x 80 x 88	68 x 46 x 42	79 x 59 x 51	128 x 46 x 42	128 x 110 x 100
Illuminated area W x H x D (cm)	62 x 45	65 x 38 x 36	33 x 38 x 36	95.5 x 64.5 x 73	65 x 38 x 36	74 x 40 x 50	114 x 38 x 36	114 x 100 x 85
Weight (kg)	16.0	17.0	10.0	45.0	6.0	12.0	14.0	57.0
UV recognition	Controlled UV content for recognition of optical brightening agents used in today's papers	Controlled UV content for recognition of fluorescence (OBA´s)	Controlled UV content for recognition of fluorescence (OBA´s)	Controlled UV content for recognition of fluorescence (OBA´s)	UV tube	UV tube	UV tube	UV tube
Calibration	Unique LED calibration method (Pat. Pend.) provides long-lasting, consistent light quality	Unique LED calibration method (Pat. Pend.) provides long-lasting, consistent light quality	Unique LED calibration method (Pat. Pend.) provides long-lasting, consistent light quality	Unique LED calibration method (Pat. Pend.) provides long-lasting, consistent light quality	—	—	—	—

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

** Standard is TL84; can be customized upon request

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