JUST
PRODUCTS.

JUST
NORMLICHT

Powered by Innovation.

JUST.
EXCELLENCE
IN STANDARDIZED
LIGHTING
TECHNOLOGY.

Since the year 2000 the viewing standards for the graphic arts industries have been redefined, in order to eliminate discrepancies in color analysis of the printed copy. ISO 3664:2000 called for tighter standards of color viewing booths.

Additionally the new certification for process standardization in offset printing – ISO 12647-2 – has been established enabling individual printing companies to objectively document the quality of its printing production, satisfying the most demanding of customers. ISO 12647-2 has set an authoritative benchmark for analyzing the quality of the complete workflow in print production, of which a major element is a certified, controlled standardized lightingenvironment.

The complete range of Just Normlicht products fully complies to these new standards.

JUST Normlicht creates optimum conditions for critical color assessment throughout the complete digital workflow – the designer's color monitor work space – the proofer in the prepress area – the final print-out in the pressroom.

JUST Normlicht can offer a light audit for all companies wishing to qualify for the process standardization according to ISO 12647-2. The purpose of the light audit is to analyze and evaluate the lighting environment in all critical work places and an assessment of a printing company's requirements for achieving the ISO 12647-2 certificate.

Just Normlicht welcomes inquiries for a light audit!

Cyan does not always equal Cyan

All JUST Normlicht standardized viewing devices are being tested from 215 test colors (ISO 3664:2009 stipulates only 8 test colors). $CRI_{215} = 95.6$.

To comply with the standard, the following 4 conditions must be met at the same time:

1   Light quality

The critical demands of ISO 3664:2009 cannot be met using generic fluorescent tubes. Just daylight 5000 proGraphic tubes however comply with all criteria of the standard:

■ Color coordinates, defined as x = 0.3478 and y = 0.3595, tolerance allowed only 0.005°
■ Color temperature 5000 Kelvin (D50), mandatory for all prepress and press activities.
■ Color rendering value Ra > 90.

To determine the maximum metameric error, the ISO 3664:2009 specifies the metamerism index for the visible spectrum with a value MI(vis) < 1,0 and for UV the MI(uv) < 1,5.

Because of the use of optical brightener agents metameric failures are happening more frequently because of fluorescents. Just Normlicht products are achieving this requirement for years.

1

2   The ambient conditions

The ambient conditions in the room greatly affect the color impression. ISO 3664:2009 specifies the surrounding conditions as follows:
■ the general room lighting must be shaded and should neither directly nor indirectly influence the viewing surface.
■ Walls, ceilings, floors, and other surfaces (incl. clothing) must be a neutral, matte grey with a reflection degree of < 60%. JUST Normlicht equipment provides a far lower reflection percentage.

◄ Viewing slides with darkened frame

2

3   The brightness and eveness of the illuminated surface

For visual color control a light intensity of 2000 Lux (+/- 500 Lux) is required on the illuminated surface in order to visualize even the slightest color differences.

The comparison of a soft proof with a print or a hard copy proof is specified in ISO 12646. The lighting conditions should comply with all of the requirements of ISO 3664. The luminance level has to be adapted to match the illuminance level of the monitor. The ideal monitor illuminance level is greater than 120 cd/m². JUST Normlicht products featuring the USB control interface can be controlled by a calibration software and monitor calibrator to exactly match them to each other.

3

4   Preventing shine

Extreme glare and shine on the viewing surface affect critical color assessments and can lead to misinterpretations. Although not even the modified ISO 3664:2009 defines exact conditions to prevent shine, JUST Normlicht creates absolute glare-free properties by its uniquely developed combination of special asymmetrical reflectors and functional design to satisfy the highest demands.

4

ORIGINAL REPLACEMENT TUBES FROM JUST.

CERTIFIED LIGHTING QUALITY
JUST daylight 5000 proGraphic
ISO 3664:2009

daylight 5000 proGraphic, exclusively designed for JUST, are the only fluorescent tubes worldwide with exceptional standardized lighting quality. Read here for why this is important.

The ISO 12647 standard establishes strict quality parameters throughout the complete digital workflow in the graphic arts industry. Besides existing technical measuring procedures for color control, the visual control of printed products plays a decisive role. This is why standardized light conditions complying with ISO 3664:2009 are fundamental to prevent discrepancies in color assessment.

Choosing the right fluorescent tube is critical to create the right light conditions for color evaluation purposes.

The high quality fluorescent tubes, JUST daylight 5000 proGraphic, create optimum viewing conditions for critical color assessment. The only fluorescent tube on the market that fully complies with the critical demands of ISO 3664:2009 in terms of:

■ **Color coordinates**
Tolerance of only 0,005 and an even distribution of spectral lines.

■ **Color temperature**
5000 Kelvin and a high color rendering value of Ra8 > 98 (exceeding the established value of Ra > 90).

■ **Metameric index**
By far lower than 1.

■ **Innovative production process**
The only fluorescent tubes on the market to be produced with a 4-band technology. Light color is produced with 4 different phosphors, thus greatly improving spectral properties.

■ **Certified light quality**
Every daylight 5000 proGraphic tube is accompanied by a measuring certificate which verifies its exceptional light quality.

■ **No. 1 in environmental awareness**
JUST is again a step ahead when it comes to environment protection: daylight 5000 proGraphic contains less than 5 mg mercury in each tube.

■ **Technical consultancy**
Our qualified experts will be glad to evaluate the light conditions in your workplace.
Please inquire!

For JUST viewing devices with TLSI technology
Automatic warning for relamping after 2500 hours of light bulb use. Green light indicates: up to 2300 hours of use, tubes are within ISO 3664:2009 compliance. Yellow light: Less than 200 hours of use remaining, order replacement tubes. Red Light: Replace tubes!

Relamping
After 2500 hours of service, fluorescent tubes diminish their color temperature. In order to provide consistently accurate and reliable viewing conditions, JUST Normlicht requires relamping every 2500 hours.

For viewing devices with no hour counter simply mark the next date for relamping on the attached label according to the following schedule: Single shift = once per year, two shifts = every 6 months, three shifts = every 4 months.

For viewing devices with hour counter simply mark the time limit on the attached relamping-label by adding 2500 to the number of actual service hours.

Certified viewing conditions – made by JUST.
Spectral light distribution with a new, improved UV-content
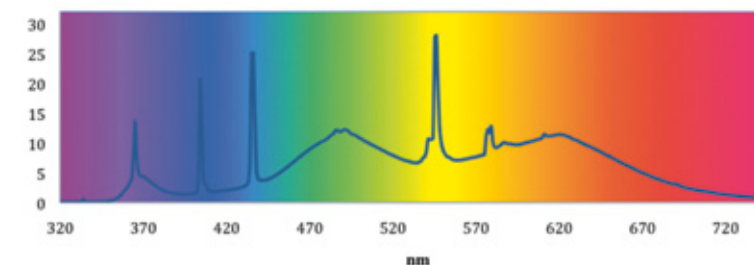
Test protocol reveals that the fluorescent lamp JUST daylight 5000 proGraphic fulfills the strict criteria for standardized lighting according to ISO 3664:2009.
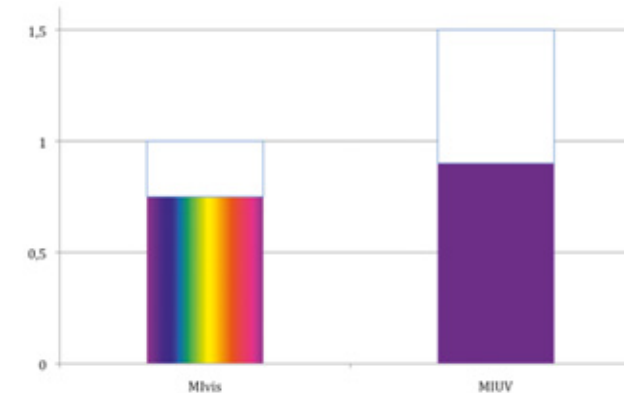
Metamerism index for the JUST daylight 5000 proGraphic fluorescent lamps

JUST daylight 5000 proGraphic – fluorescent tubes

Item No.	Type	Watt	Length (mm)		
100479	LL/SE	15	438	5000 K	each
100529	LL/PA	15	438	5000 K	case of 10 pieces
100487	LL/PA	15	438	5000 K	case of 25 pieces
95521	LL/SE	18	590	5000 K	each
100537	LL/PA	18	590	5000 K	case of 10 pieces
100503	LL/PA	18	590	5000 K	case of 25 pieces
95323	LL/SE	36	1200	5000 K	each
100545	LL/PA	36	1200	5000 K	case of 10 pieces
100495	LL/PA	36	1200	5000 K	case of 25 pieces
95646	LL/SE	58	1500	5000 K	each
100552	LL/PA	58	1500	5000 K	case of 10 pieces
100511	LL/PA	58	1500	5000 K	case of 25 pieces

COLOR FRAME

The low cost entry into the standardized lighting technology – new design and easy to use, with superior illumination: JUST colorFrame: Ideal for photographers, advertising agencies and prepress studios.

Available in two sizes, with magnetic rear wall and optional dimmer for soft proofing applications.

COLOR FRAME 02
COLOR FRAME 02

Functional "laptop" design with convenient operation: foldable lamp with built in carrying handle for easy transportation, worldwide use with multi-voltage ballasts, optional dimmer for soft proofing applications.

Item No. 220 V	Type	Worksurface (H x W cm)	Outside dim. (H x W cm)	Watt
colorFrame				
104687	colorFrame 01	34 x 46	51 x 54 x 26	2 x 15
103986	colorFrame 01-di	34 x 46	51 x 54 x 26	2 x 15
104711	Side wall (2x) colorFrame 01			
104729	colorFrame 02	40 x 64	58 x 69 x 37	2 x 18
103291	colorFrame 02-di	40 x 64	58 x 69 x 37	2 x 18
104752	Side wall (2x) colorFrame 02			

COLOR MASTER

colorMaster is a price attractive entry into the world of JUST Normlicht standardized lighting technology. Ideal for photographers, ad agencies and pre-press companies. Available in three different sizes with magnetic rear wall and optional dimming.

COLOR MASTER 3

colorMaster 3 with large 62 x 64 cm viewing area for larger sized photographic prints

Item No.	Type	Worksurface (H x W cm)	Outside dim. (H x W cm)	Watt
colorMaster				
91264	colorMaster 1	34 x 49	47 x 53	2 x 15
91256	colorMaster 1 Dimmer	34 x 49	47 x 53	2 x 15
92197	Side wall (pair)			
90159	colorMaster 2	43 x 64	56 x 69	2 x 18
91132	colorMaster 2 Dimmer	43 x 64	56 x 69	2 x 18
92213	Side wall (pair)			
91637	colorMaster 3	62 x 64	75 x 69	3 x 18
91645	colorMaster 3 Dimmer	62 x 64	75 x 69	3 x 18
92221	Side wall (pair)			

TRANSPARENCY FLAT VIEWERS

Smart Light 5000

JUST Normlicht's price-attractive flat viewer in five different sizes for every type of application.

Color Control Classic Line 5000

The top of the line viewers are equipped with an electronic slide dimmer and available in 7 sizes. Features include electronic, instant start ballasts, infinite dimming, flicker free operations, and extremely uniform illumination. Suitable for reproducing transparent artwork and digitalizing slides by scanner.

Item No.	Type	Light area (D x W cm)	Outside dim. (D x W x H cm)	Watt
Smart-Light 5000 transparency flat viewer				
2105	SL5/DL 1	26 x 38	32 x 48 x 6	1 x 15
2113	SL5/DL 1A	26 x 51	32 x 63 x 6	1 x 18
3368	SL5/DL 2	35 x 38	42 x 48 x 6	2 x 15
3814	SL5/DL 2A	35 x 51	42 x 63 x 6	2 x 18
12146	SL5/DL 2C	35 x 112	42 x 124 x 6	2 x 36
Classic Line 5000 transparency flat viewer, electronic dimmer				
17244	CL /DL 1 EVG	38 x 35	52 x 38 x 8	2 x 15
17269	CL /DL 3 EVG	52 x 35	66 x 38 x 8	2 x 18
17277	CL /DL 4 EVG	74 x 48	76 x 62 x 10	4 x 18
11866	CL /DL 5 EVG	86 x 35	100 x 38 x 10	2 x 36
11874	CL /DL 6 EVG	86 x 59	100 x 62 x 10	3 x 36
21865	CL /DL 7 EVG	109 x 35	123 x 38 x 10	2 x 36
21899	CL /DL 8 EVG	109 x 59	123 x 62 x 10	3 x 36

COLOR COMMUNICATOR

JUST colorCommunicator is the world's first viewing booth that communicates via the JUST USB interface with a monitor calibration software to precisely match the softproof on the monitor and the hardcopy in the viewing booth.

The software:
adJUST monitor calibration
Based on the award-winning monitor profiling solution basICColor display, the adJUST monitor calibration software makes it possible, for the first time, to precisely calibrate the intensity of the standardized lighting along with the monitor and to test the results for continued accuracy. Possibility of measuring and assessing ambient light and viewing booths (with compatible instruments) according to ISO 3664:2009 and ISO 12646.

Devices with the JUST USB Interface are equipped with a digital display for brightness control and hour meter for the next tube change.

We are connected!

Leading manu-facturers rely on JUST Viewing Booths with USB interface.

Item No.	Type	Worksurface	Outside dim.	Watt
220 V		(H x W cm)	(H x W x D cm)	
colorCommunicator				
91975	colorCommunicator 01	38 x 49	49 x 54 x 35	2 x 15
86165	colorCommunicator 02	50 x 40	63 x 64 x 45	2 x 18
87049	adJUST monitorCalibration V5 Software			
86892	adJUST additional seat			
104380	adJUST upgrade V4:V5			
87031	Squid colorimeter			

COLOR VIEWING LIGHT

Pantone® Color Viewing Light provides consistent criteria for visual quality control with up to five different illuminants.

The continuous tube monitoring and convenient warning of necessary tube changes guarantees consistent viewing conditions.

Color Viewing Light Item No. 521
Type PJC / CVL 5 E

Outside dimensions:
W 68 cm, H 51 cm, D 42 cm
Usable space:
W 65 cm, H 38 cm, D 36 cm
With 5 different light colors.

Replacement bulb set
Item No. 1198

Color Viewing Light Item No. 737
Type PJC / CVL 3

Outside dimensions:
W 68 cm, H 46 cm, D 42 cm
Usable space:
W 65 cm, H 38 cm, D 36 cm
With 3 different light colors.

Replacement bulb set
Item No. 1719

PANTONE® is a registered trademark of Pantone, Inc.

The 5 adjustable light sources:

1 D 65
D65 North sky daylight, conforms to all important international regulations for visual color matching (CIE D 65)

2 D 50
D50 Daylight for color matching in the graphic arts industry. For reproductions and color proofs (CIE D50, ANSI PH 2.30, ISO 3664)

TL 84
TL84 Typical lighting for stores, offices, supermarkets and exhibition halls

A
A Typical incandescent for homes, offices or hotels

UV
UV
UV Required for textile or paper industries, stimulates optical brightness, whitening agents, fluorescent pigments

LED TECHNOLOGY

Precise, controllable lighting conditions for an exact match between a proof or original samples – important in many industries such as, textiles, plastics, automotive, furniture and graphic arts to ensure reliable color decisions.

JUST Normlicht has developed a multispectral LED illuminant (Pat. pend.) that is able to reproduce many different light spectrums with great accuracy. In addition to the standard illuminants D50, D65, A, C, D55 and D75, virtually any other light source can be simulated in with excellent quality – The unique JUST LED calibration method (pat.pend.) guarantees consistent spectral properties for sophisticated industrial applications for many years.

LED colorControl

The multi-spectral LED technology provides a perfectly controlled lighting environment for the visual comparison of an original or a proof and a production sample.

With JUST LEDcontrol any light source is controlled in an excellent quality.

LED COLOR CONTROL

LED COLOR VIEWING LIGHT XL HYBRID

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

LED control software professional allows the selection and reproduction of any light source – standard illuminants such as D50, D65, A, C, D55, D75 but also any other light source – free choice of color temperature or chromaticity coordinates out of the available gamut. The selected illuminant can be safed and recalled at any time with consistent spectral properties for years.

LED control professional

* PROFESSIONAL Version only

LED Color Viewing Light

LED Color Viewing Light has the ability to simulate and program any conceivable lighting environment: In addition to the standard illuminants D50, D65, A, C, D55 and D75 virtually any other light source can be simulated with excellent quality. The multi-spectral LED even includes the proper UV content to show fluorescence (OBA's). In the hybrid model metamerism caused by mercury peaks can be identified by using three additional TL84 fluorescent lamps.

LED COLOR PROOF LIGHT XL HYBRID

LED Color Proof Light

The proof light hanging from the ceiling has the ability to simulate and program different light sources to illuminate larger areas – in the meeting room as well as in the laboratory. In the hybrid model, metamerisms caused by mercury peaks can be identified by using three additional TL84 fluorescent lamps. For larger areas multiple lamps can be easily connected together and controlled by one computer and software.

Item No. 220 V	Type	Illuminated area (W x H x D cm)	Outside dim. (W x H x D cm)
LED Technology			
96891	LED Color Viewing Light	65 x 38 x 36	68 x 51 x 42
96909	LED colorControl	62 x 45	68 x 58 x 37
98681	LED Color Viewing Light XL Hybrid	95 x 64 x 73	108 x 80 x 88
104166	LED Color Proof Light XL Hybrid	100 x 70	108 x 80 x 12
96925	LED colorControl Software professional		

COLOR PROOF LIGHT

CONTROL STATION CTP PRO

JUST proof lights guarantee precise color control with efficient lighting technology and asymmetrical light control – at the press as well as in the prepress studio.
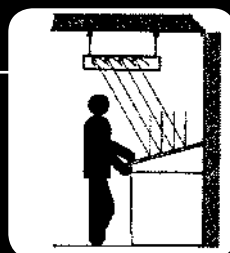
Equipped with JUST daylight 5000 proGraphic ISO 3664:2009 fluorescent lamps, 6500K lamps are an available option.

Electronic ballasts*: instant start, extended tube lifetime, flicker-free, eye-friendly operation, low power consumption.
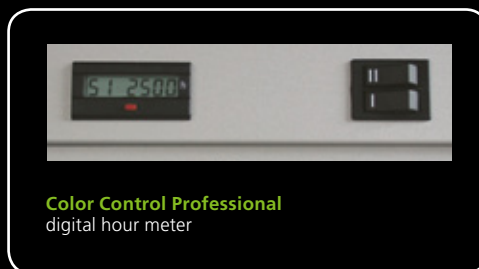
Color Control Professional
digital hour meter

Asymmetrical light design
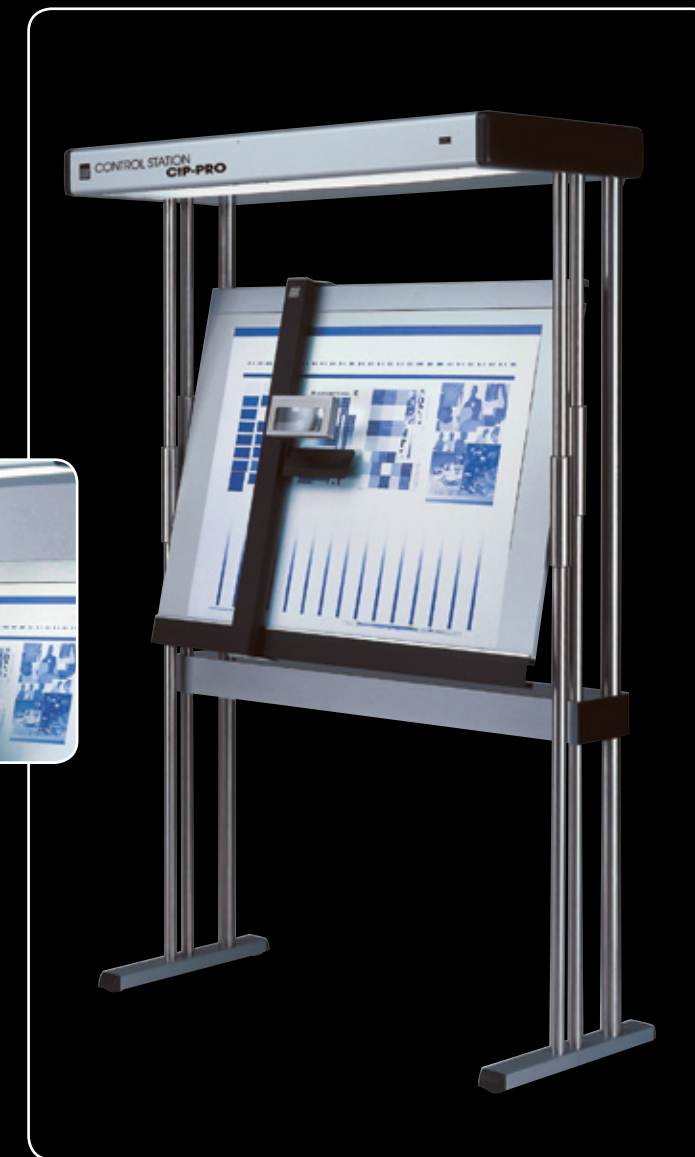prevents glare and distracting reflections on the printed sheets.

Control Station CtP Pro – makes spot checks of CtP- and conventional Offset Plates more efficiently and safely.

Today, quality control becomes much more important during all digital prepress steps, especially with the process of computer to plate. The printing plate is the last and sometimes the only visible hardcopy that can be checked before starting the printing press.

- Comes with an asymmetrical proof light for even illumination of the plate
- Vertical control panel allows comfortable and easy positioning of plates
- Magnifying glass with comfortable hand rest support
- Magnifying glass moves smoothly in vertical and horizontal directions
- Manual height adjustable plate board for comfortable working in upright position
- Adjustable slanted plate board can be used for color matching of press sheets under standardized lighting conditions.

With the wide-field lens a fast and secure control of the printing plate is assured.

Item No.	Type	Viewing area W x H cm	Outside dimensions D x W x H cm	Watt
Color Control 5000				
Color Proof Light, asymmetrical, one brightness level				
2501	CC / FD	3-AS-4 / 36	70 x 100	80 x 128 x 16	4 x 36
20115	CC / FD	4-AS-4 / 58	70 x 130	80 x 158 x 16	4 x 58
21279	CC / FD	6-AS-4 / 58	100 x 140	100 x 158 x 16	4 x 58

*in Color Control Professional version

Item No.	Type	Viewing area W x H cm	Outside dimensions D x W x H cm	Watt
Color Control Professional				
Color Proof Light, asymmetrical electronic ballasts – digital hour meter, two brightness levels				
11098	CCP / FD	3-AS-4 / 36	70 x 100	80 x 128 x 16	4 x 36
11106	CCP / FD	4-AS-4 / 58	70 x 130	80 x 158 x 16	4 x 58
11163	CCP / FD	6-AS-4 / 58	100 x 140	100 x 158 x 16	4 x 58
11296	CCP / FD	8-AS-4 / 58	120 x 160	108 x 155 x 16	6 x 58

Item No.	Type	Plate format (W x H cm)	Control area of magnifying glass (W x H cm)	Outside dimensions (H x W x D cm)
Control Station CtP Pro				
10280	CTP/OP CtP-PRO 1	125 x 90	107 x 80	220 x 140 x 70
10306	CTP/OP CtP-PRO 2	157 x 131	149 x 126	220 x 185 x 70

MODULIGHT

If you have a small meeting room or a complete print shop the moduLight is flexible enough to fit into every room situation and creates standard lighting conditions where ever they are needed.

moduLight 01
Single module used to illuminate smaller areas on the work desk in meeting rooms at publishers and ad agencies, prepress studios and copy shops.
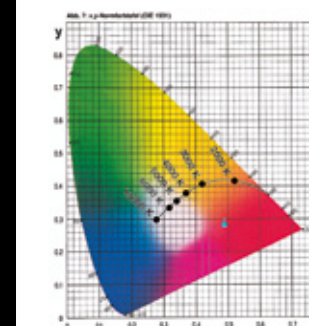
moduLight 02
Combination of two modules for use in meeting rooms, reception areas, customer lounges and linear applications adaptable to every need.

moduLight 05
Combination of five modules designed to illuminate an area of 70 x 100 cm exceeding all of the requirements of ISO 3664:2009.

JUST moduLight has not only met the ISO 3664:2009 specification but has exceeded the standard by:

■ a lumination quality with tightest chromaticity tolerances of 0.005 a color temperature of 5000 Kelvin a CRI – Color Rendering Index >90 at approx. CRI = 97
■ a luminance level of 2000 Lux (+/– 250 Lux) on the viewing surface
■ an even distribution of the light and a glare and shadow free viewing environment
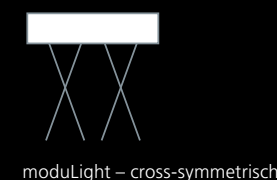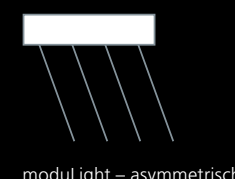
Suspension from ceiling with an innovative, height adjustable steel cable system, suitable to the modern design of moduLight.

TLSI Technology – integrated LED field with easy to understand signal technology. Automatic warning for relamping after 2500 hours of light bulb use.

Digital dimmer with USB interface and software adJUST monitor calibration for softproof-on-press applications (optional).

moduLight – asymmetrisch

moduLight – cross-symmetrisch

Color table according to DIN 5033 with Planck curve.

Item No. 220 V	Type	Outside Dimension (L x W x D cm)	Illumin area (H x W cm)	max. Lux at distance viewing area (lx/cm)
moduLight 5000 – asymmetrical				
64501	HS/ML moduLight 1/18-AS	88 x 15,5 x 8,5	30 x 50	350 / 80
64576	HS/ML moduLight 1/36-AS	133,5 x 15,5 x 8,5	30 x 100	780 / 80
81224	HS/ML moduLight 1/58-AS	163,5 x 15,5 x 8,5	30 x 140	900 / 80
64527	HS/ML moduLight 2/18-AS	88 x 31 x 8,5	50 x 50	700 / 80
64618	HS/ML moduLight 2/36-AS	133,5 x 31,0 x 8,5	50 x 100	>1650 / 90
81208	HS/ML moduLight 2/58-AS	163,5 x 31,0 x 8,5	50 x 140	>1650 / 85
64543	HS/ML moduLight 4/18-AS	88,0 x 62,0 x 8,5	50 x 70	>2000 / 90
64592	HS/ML moduLight 5/36-AS	133,5 x 77,5 x 8,5	70 x 100	>2000 / 125
86603	HS/ML moduLight 6/36-AS	133,5 x 93,0 x 8,5	100 x 100	2000 / 145
81182	HS/ML moduLight 6/58-AS	163,5 x 93,0 x 8,5	100 x 140	>2900 / 130
81166	HS/ML moduLight 24/36-AS	267 x 186 x 8,5	130 x 250	2000 / 200
moduLight 5000 – cross-symmetrical				
81141	HS/ML moduLight 2/18-AS-S	88 x 31 x 8,5	50 x 50	700 / 80
55715	HS/ML moduLight 2/36-AS-S	133,5 x 31,0 x 8,5	50 x 100	>1300 / 80
81117	HS/ML moduLight 2/58-AS-S	163,5 x 31,0 x 8,5	50 x 140	>1550 / 80
81091	HS/ML moduLight 4/18-AS-S	88 x 62 x 8,5	50 x 70	2000 / 85
55707	HS/ML moduLight 4/36-AS-S	133,5 x 62,0 x 8,5	60 x 100	>2000 / 110
81067	HS/ML moduLight 4/58-AS-S	163,5 x 62,0 x 8,5	80 x 140	>2000 / 110
Just moduLight 5000 SoftProof – asymmetrical				
68445	4/18-AS moduLight SP	88 x 62 x 8,5	50 x 70	2000 / 85
69476	5/36-AS moduLight SP	133,5 x 77,5 x 8,5	100 x 70	dimmbar
69211	6/58-AS moduLight SP	163,5 x 93,0 x 8,5	140 x 100	dimmbar
Just moduLight 5000 SoftProof – cross-symmetrical				
93344	4/18-SA-S moduLight SP	88 x 62 x 8,5	50 x 70	2000 / 85
98517	4/36-SA-S moduLight SP	133,5 x 62,0 x 8,5	100 x 60	dimmbar
93211	6/58-SA-S moduLight SP	163,5 x 93,0 x 8,5	140 x 100	dimmbar

WALL ILLUMINATION

Wall Illumination is the professional JUST solution for large format viewing walls – with magnetic back drop, suitable for advertising agencies, photographic and prepress studios, and large format printing applications.

Thanks to the JUST moduLight technology an even illumination of the viewing area in compliance with ISO 3664:2009 is guaranteed.

Wall bracket for moduLight is optionally available.

| Item No. 220 V	Type	Outside Dimension (L x W x D cm)	Illumin area (H x W cm)
Wall Illumination, consiting of moduLight and wall panel, wall bracket optional			
104778	Wall Illumination 4/36 130 x 80	133.5 x 62.0 x 8.5	100 x 60
104802	Wall Illumination 4/36 130x80 – SP	133.5 x 62.0 x 8.5	100 x 60
105148	wall bracket 4/36		
104828	Wall Illumination 5/58 160/80	163.5 x 77.5 x 8.5	140 x 80
104844	Wall Illumination 5/58 160/80 SP	163.5 x 77.5 x 8.5	140 x 80
105155	wall bracket 5/58		

SOFTPROOF ON PRESS

Soft proofing at the press console.

At the press console there are two problems for softproofing:

1. Disturbing influence of ambient light
2. The size of the press sheet doesn´t fit the monitor

JUST offers customized and modular solutions to printers to retrofit existing press consoles.
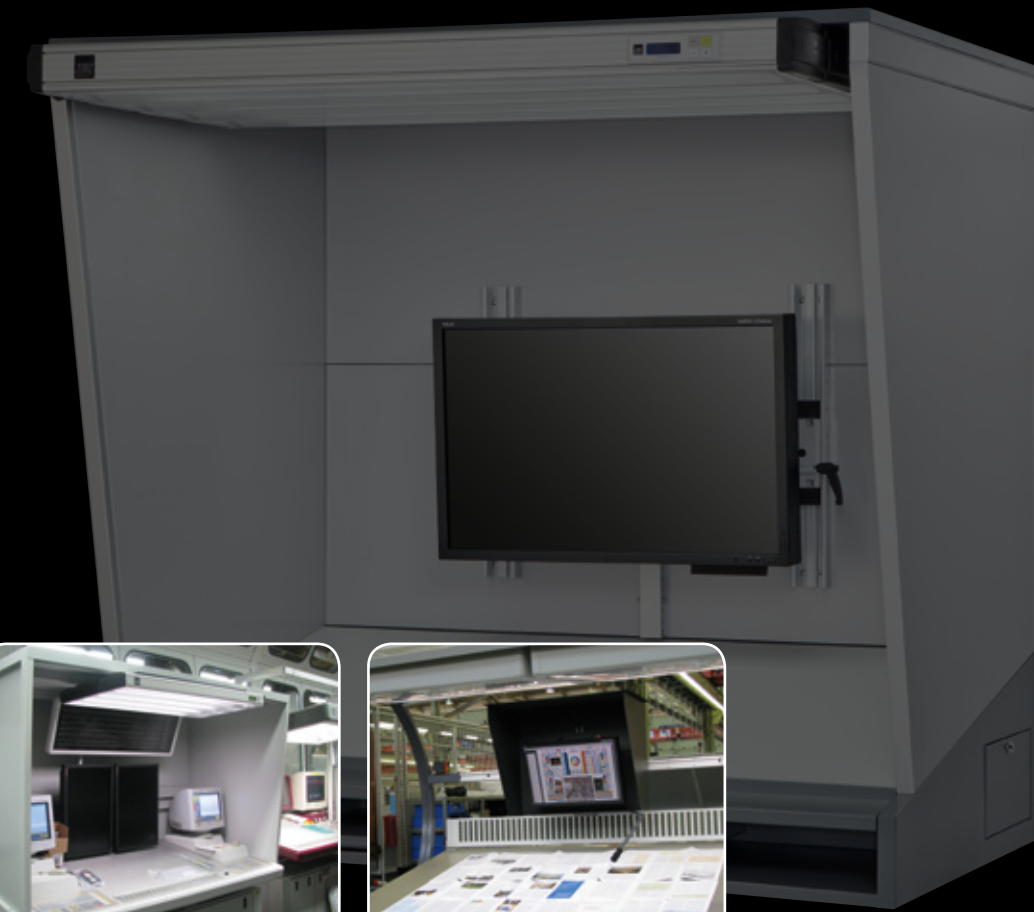
Custom-made control center housing.

Representation of an entire press sheet on multiple monitors.

The "Scroll" solution: movable monitor with position sensor for displaying zone by zone areas of the press sheet.

Customized soft proofing on press solution: To control the disturbing influence of ambient light JUST provides individually developed press console enclosures which are either mounted directly at the console or free standing around the console. Sheet format – screen size: JUST is offering two approaches: 1. For the use of multiple monitors side by side in order to display the complete sheet size at a glance JUST provides a stable crossbar with multiple VESA monitor mounts. 2. Some softproof software solutions are supporting the "scroll" version: where a monitor is moved on a "tracking rail" zone by zone, back and forth. The built-in position sensor enables the display to show the exact detail of the press sheet where the monitor is positioned.

PROOF TOP MULTI 5000

Visual color matching for small sizes up to 50 x 70 cm. The multifunctional JUST Proof Top Multi, with its compact size fits easily into any publishing or prepress environment.

Whether as a freestanding, mobile viewing booth or in the desktop version, the Proof Top Multi is a flexible and practical solution for the presentation and evaluation of layouts, proofs, or prints.

Asymmetrical proof light for glare and shadow free illumination of the work surface and rear wall.
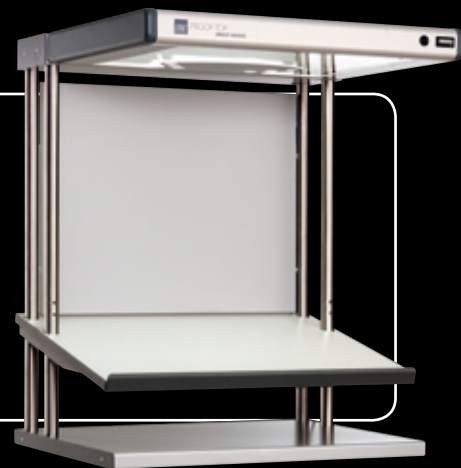
Proof Top Multi Freestanding version, floor stand with wheels.

Side walls for ambient light control (optional).

Item No.	Type		Printing size (D x W cm)	Outside Dimensions (H x W x D cm)	Watt
Proof Top Multi 5000					
20438	CPT/SR 0B-TOP	Proof Top Multi 5000	50 x 70	101 x 81 x 74	4 x 18
20453	CPT/SR TROLLEY	Trolley, tall		94 x 81 x 60	
20461	CPT/SR SW-0B	Side walls (pair)			

CHALLENGE 5000

Visual color matching in 70 x 100 and 100 x 140 cm sizes. The viewing booth for the presentation and visual control of layout, proofs and press sheets for advertising agencies, publishers and prepress studios.

Side walls for ambient light control (optional).

Challenge 5000 Asymmetrical proof light for glare and shadow free illumination of the work surface and rear wall.

Item No.	Type		Printing size (D x W cm)	Outside Dimensions (H x W x D cm)	Watt
Challenge 5000					
20123	CPS/SR 3B-5/36		70 x 100	230 x 128 x 118	5 x 36
22749	CPS/SR 6B		100 x 140	230 x 158 x 118	4 x 58
4374	CPS/SR SW-3B-CHALL.	Side walls (pair)			
9613	CPS/SR SW-6B-CHALL.	Side walls (pair)			

COLOR PROOF STATION

Color Proof Stations have been used for decades in quality control for printing. Forward-looking light-technology for all print sizes (20 x 28" to 47 x 63") and numerous trim levels provide a perfect, comfortable quality control of proof and production printing.

Color Proof Stations are equipped with JUST daylight 5000 proGraphic ISO 3664:2009 fluorescent tubes, 6500K is available on request.

Color Proof Station 0B/3B in 3 standard versions

Description:
1 shelf
1 drawer
(12 cm)
1 door

OB
Item No. 9837
3B
Item No. 8839

Description:
1 shelf
3 drawers
(3.5 cm)
1 door

OB
Item No. 9548
3B
Item No. 8979
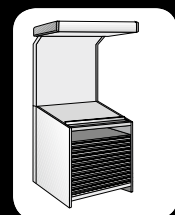
Description:
1 shelf
12 drawers
(3.5 cm)

OB
Item No. 9407
3B
Item No. 8821

Color Proof Station for 3B sheet size

With optional side panels. The asymmetrical proof light illuminates work surface and rearwall evenly – ideal for quality control of proof and production printing.

Side walls (optional): Item No. 4242

0B Illumination of work surface and rear wall for printing size 0B (70 x 50 cm)
Outside dim. cabinet: 100 W x 80 D cm
Drawers: 90 W x 73 D cm
4 x 36 W

3B Illumination of work surface and rear wall for printing size 3B (100 x 70 cm)
Outside dim. cabinet: 120 W x 90 D cm,
Drawers: 110 W x 83 D cm
Side walls (optional): Item No. 4242
5 x 36 W

6B Even Illumination of work surface for the printing size 6 B (140 x 100 cm)
Outside dimensions cabinet: 159 W x 127 D cm
Drawers: 149 W x 117 D cm
6 x 58 W

7B Even Illumination of work surface for the printing size 7 B (160 x 120 cm)
Outside dimensions cabinet: 180 W x 143 D cm
Drawers: 170 W x 133 D cm
6 x 58 W

Color Proof station for large formats 6B/7B

Color Proof Station with asymmetrical proof light, simultaneous illumination of work surface and rearwall (duplex), adjustable slanted work surface, 7 flat drawers, a large drawer with a lockable private compartment.

6B
Item No. 15446
7B
Item No. 13680

PROOF STATION

JUST Normlicht proofStation is setting new standards in design, functionality and innovative lighting technology.

A new color quality control system of exceptional style and design, providing even light distribution and a glare and shadow free color viewing environment.

proofStation SP versions are equipped with digital dimming and JUST USB interface for soft proofing applications.

The proofStation SP versions are also equipped with a monitor bar and standardized VESA mounting for each LCD Monitor up to 30". Mounts for larger monitors are available on request.

Keyboard holder
(optional)

Side walls
for ambient light control
(optional)

Item No.	Type	Outside Dimensions (H x W x D cm)	Viewing area (W x H cm)	Watt
proofStation				
64691	HS/PD proofStation 10	210 x 97 x 110	50 x 70	4 x 18
86231	HS/PD proofStation 10 SP	210 x 97 x 110	50 x 70	4 x 18
64675	HS/PD proofStation 20	223 x 135 x 155	70 x 100	5 x 36
81232	HS/PD proofStation 20 SP	223 x 135 x 155	70 x 100	5 x 36
87791	Side wall PS 10			
87783	Side walls PS 20			49 x 33

We are connected!

Leading soft proofing vendors has integrated the JUST USB Interface directly into their monitor proofing applications.

QUATO KFLOW *the digital workflow company*
manroland NEC
Serendipity Blackmagic
EIZO ColorNavigator basICColor®
CGS RemoteDirector

VIRTUAL PROOF STATION

Soft proofing is coming to the pressroom! JUST Virtual proofStation is the first press side viewing station that offers the unique computer controls to create an exact viewing environment match between monitors and press sheets.

Saves time and reduces costs with improved communication and coordination in the color decision process.

Virtual Proof Station includes the JUST USB Interface, a VESA monitor mount, ventilated computer cabinet and a keyboard and mouse tray. Built-in side walls and movable wheels make the Virtual Proof Station a complete solution for the soft proofing workflow.
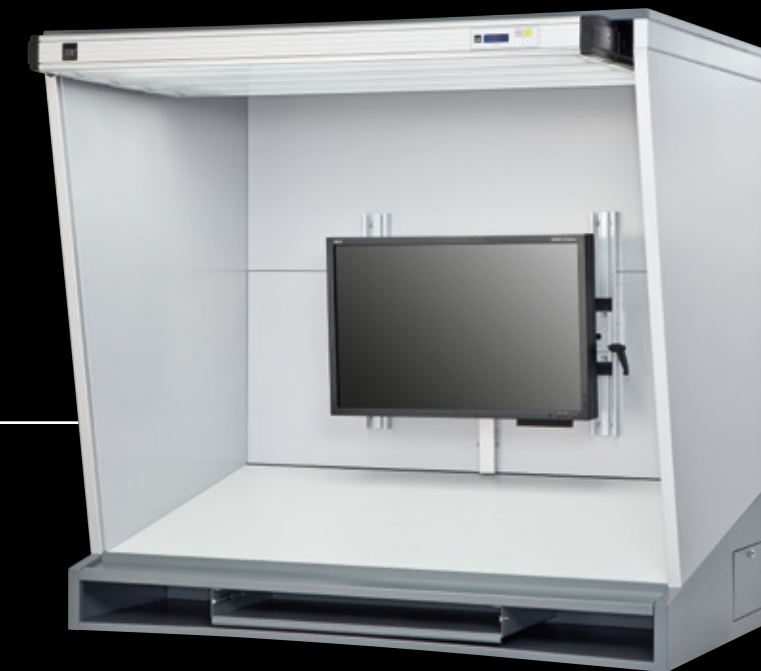
Virtual Proof Top is the desktop version for space-saving integration into an existing viewing area.

The Virtual Proof Station is equipped with the latest, cost-efficient soft proofing on press technology and offers ISO 3664 compliant viewing conditions.

Item. No.	Type	Outside Dimensions (H x W x D cm)	Viewing area (W x H cm)
Virtual Proof Station			
93302	VPS/SP1 Virtual Proof Station	145 x 116 x 220	140 x 71
67801	VPT/SP1 Virtual Proof Top	145 x 116 x 138	140 x 71
105163	VPT/TG Desk Duplex MV	H = 62 – 86 cm	
95489	Copyholder angle adjustable 0 – 90°		49 x 33

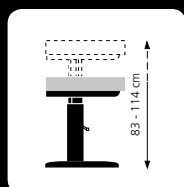# TRANSPARENCY /
LITHO LIGHT TABLES

**JUST Litho Light Tables for retouching and cutting purposes.
Ergonomical design and flexible handling ensure efficiency.**

Transparency light tables are dimmable 500 – 5000 Lux. Equipped with
non-reflective acrylic light diffusers and state-of-the-art lighting technology,
they offer the ideal solution for color assessment of transparencies and films.
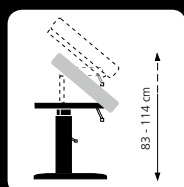
Standard ST
manual
height adjustment

75 - 90 cm
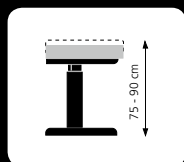
Vario HO
spring loaded height
adjustment

83 - 114 cm

Vario SV
spring loaded and
85° slope adapter

83 - 114 cm

Litho Light Tables
For cutting, pasting or retouching, with
scratch resistant surface. Light intensity
3500 Lux for comfortable working.

Transparency light tables
Complies with the standard of
5000 Kelvin in slide evaluation.
With non reflective acrylic
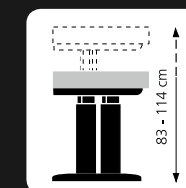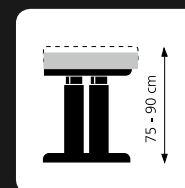surface, even illumination
and high light strength.

VARIO
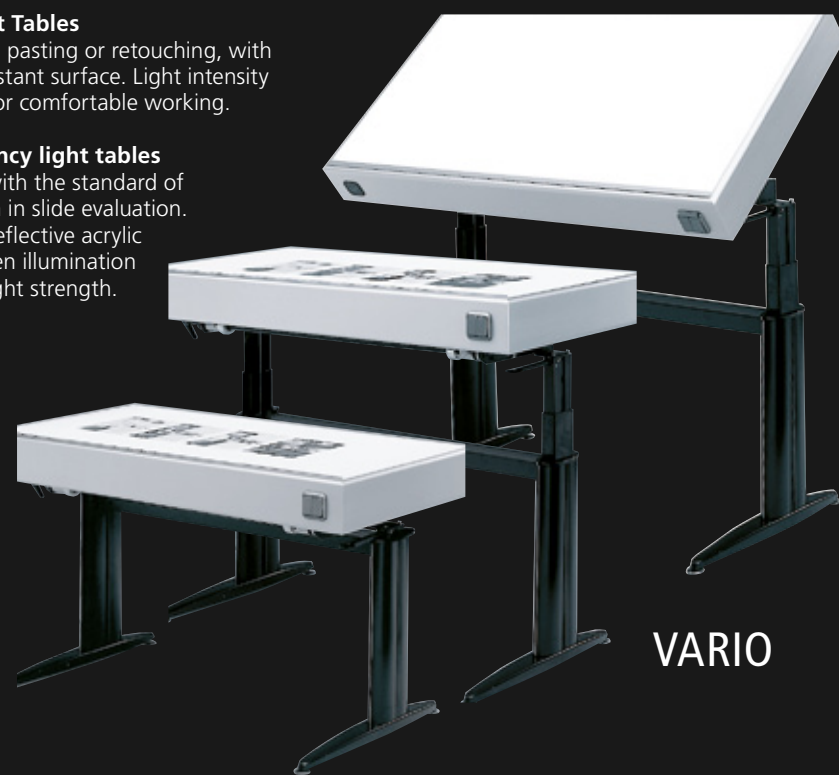
Litho Light Tables large Format
Item No. 23523

Upon request: Custom tailored light tables
available formats up to 153 x 250 cm.

**Litho Light Tables
Large Format**
Manual height adjustment

75 - 90 cm

**Litho Light Tables
Large Format**
Spring loaded height
adjustment

83 - 114 cm

LITHO LIGHT TABLES
LARGE FORMAT

Outside dim. (D x W cm)	Light area (D x W cm)	Standard ST		Vario HO		Vario SV	
		Item No.	Type	Item No.	Type	Item No.	Type
Litho Light Tables							
80 x 100	73 x 93	21311	LT /LM ST 4	21337	LT /LM HO 4	21519	LT /LM SV 4
80 x 123	73 x 116	21535	LT /LM ST 5	21568	LT /LM HO 5	21816	LT /LM SV 5
80 x 153	73 x 146	21915	LT /LM ST 6	21949	LT /LM HO 6	21998	LT /LM SV 6
100 x 123	93 x 116	23028	LTS/LM ST 9*	23036	LTS/LM HO 9*	23168	LTS/LM SV 9*
100 x 153	93 x 146	23176	LTS/LM ST 10*	23184	LTS/LM HO10*	23200	LTS/LM SV10*
Transparency Light Tables							
80 x 100	73 x 93	21006	LTS/NL ST 4	21014	LTS/NL HO 4	21048	LTS/NL SV 4
80 x 123	73 x 116	21055	LTS/NL ST 5	21063	LTS/NL HO 5	21089	LTS/NL SV 5
80 x 153	73 x 146	21105	LTS/NL ST 6	21121	LTS/NL HO 6	21147	LTS/NL SV 6
100 x 123	93 x 116	21154	LTS/NL ST 9	21162	LTS/NL HO 9	21188	LTS/NL SV 9
100 x 153	93 x 146	21204	LTS/NL ST 10	21220	LTS/NL HO 10	21246	LTS/NL SV 10
Litho Light Tables Large Format							
123 x 153	116 x 146	23432	LTS/LM ST12	23465	LTS/LM HO12		
123 x 220	116 x 217	23523	LTS/LM ST14	23572	LTS/LM HO14		

With scratch resistant crystal glass
and white acrylic diffusor.

*With electronic dimmer
 300 – 3500 Lux

With non reflective acrylic light
surface (6 mm). Standardized with
electronic dimmer 500 – 5000 Lux
and electronic ballasts.

With electronic ballasts and
dimmer, 300 – 3500 Lux.

SYSTEM-CABINET

Individual storage possibilities

JUST System Cabinets with flexible cabinet configurations improve the organization of each work station. Cabinets with slanted surface are ideally used in combination with asymmetrical proof lights.

15 HE Cabinet with slanted work surface
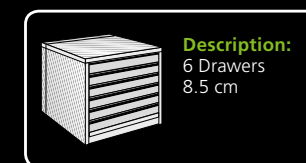with integrated
light surface, 2 drawers

12 HE Cabinet
6 drawers

Individual configurations available upon request.
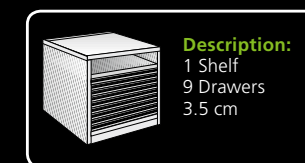Optional: Integrated light surface available for all cabinet versions.

Description:
1 Drawer
12 cm
1 Door

Description:
6 Drawers
8.5 cm

Description:
1 Shelf
9 Drawers
3.5 cm

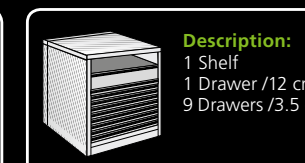| Item No.	Type	Item No.	Type	Item No.	Type	Item No. optional light surface
12 HE Cabinet						
8565	CAM/BS 012/5 **0B**	8672	CAM/BS 012/9 **0B**	3798	CAM/BS 012/10 **0B**	711
14563	CAM/BS 312/5 **3B**	24414	CAM/BS 312/9 **3B**	15305	CAM/BS 312/10 **3B**	992

Description:
2 Shelves
1 Door

Description:
5 Drawers
12 cm

Description:
1 Shelf
1 Drawer /12 cm
9 Drawers /3.5 cm

Item No.	Type	Item No.	Type	Item No.	Type	Item No.
15 HE Cabinet						
5736	CAM/BS 015/4 **0B**	5769	CAM/BS 015/9 **0B**	6502	CAM/BS 015/8 **0B**	711
13508	CAM/BS 315/4 **3B**	13656	CAM/BS 315/9 **3B**	13664	CAM/BS 315/8 **3B**	992

Description:
1 Shelf
1 Drawer/12 cm
1 Door

Description:
5 Drawers
12 cm

Description:
15 Drawers
3.5 cm

Item No.	Type	Item No.	Type	Item No.	Type	Item No.
15 HE Cabinet slanted work surface						
9720	CAM/AS 015/3 **0B**	5595	CAM/AS 015/9 **0B**	5629	CAM/AS 015/11 **0B**	653
8987	CAM/AS 315/13 **3B**	10298	CAM/AS 315/9 **3B**	10330	CAM/AS 315/11 **3B**	893

GL OPTIC SPECTRAL LIGHT MEASUREMENT

The right tool for light assessment as required by ISO 3664:2009.

Starting in 2009, under the brand of GL Optic, JUST has developed and distributed a complete line of precise light measuring devices. Recently introduced the GL Optic MINI spectrometer measures light according to the ISO 3664 standard. This high-quality, easy to use device gives you everything you need for reliable, consistent light measurement. The device is immediately ready to use once it is connected to your Windows PC. Thanks to its high sensitivity and accuracy, it is the ideal solution in for accurate light measurement.

GLspectrosoft is an intuitive software for complete evaluation of the measured spectra according to all applicable standards, such as ISO 3664:2009.
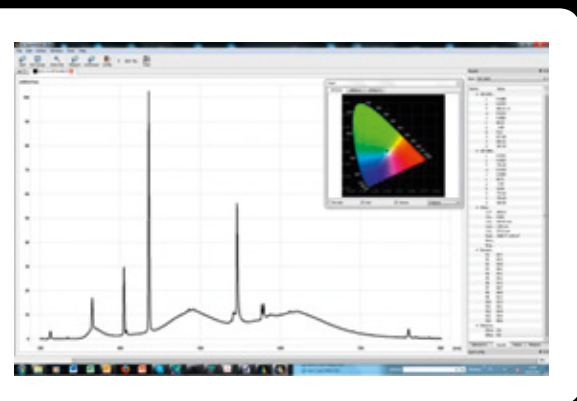
GLspectrosoft is laboratory software for complete spectral analysis. It is intuitive and easy to use software that offers many possibilities.

Item No. 102095

GL Optic MINI spectrometer
An easy to use light meter with unprecedented performance in this class of spectral measurement devices.

Item No. 67827

GL Optic display sensor
For monitor calibration, contact or distance measurements.

Item No. 93047

Features:

■ High sensitivity and precise calibration

■ Low noise and stable measurements

■ Ready to work when connected to PC after approximately 10 min

■ Small size and low energy consumption

■ Powered via USB connection

Applications:

■ ISO 3664:2009 compliance test and audit

■ Measurements of different light sources: halogens, fluorescent lamps

■ LED measurement

■ Display measurement

STUDIO LIGHT SYSTEM 5000

JUST Studio Light Systems offer a complete solution for digital and analog photography. Fully equipped with flicker-free daylight lamps in a large format yet compact design. The ideal tool for "inhouse" photography.

The entire studio offers the user a complete solution, quick set-ups and an efficient working environment. The studio is ready in minutes and completely equipped with 3 lamps that are variably adjustable on mobile support arms. The studio surface is equipped with dimmable transmissive lighting. Worksurface height 32 1/4". Complete studio, including 3 lamps (2x/4x/6x55W) and backdrop. Please ask for further information.

Camera Holder with swivel arm
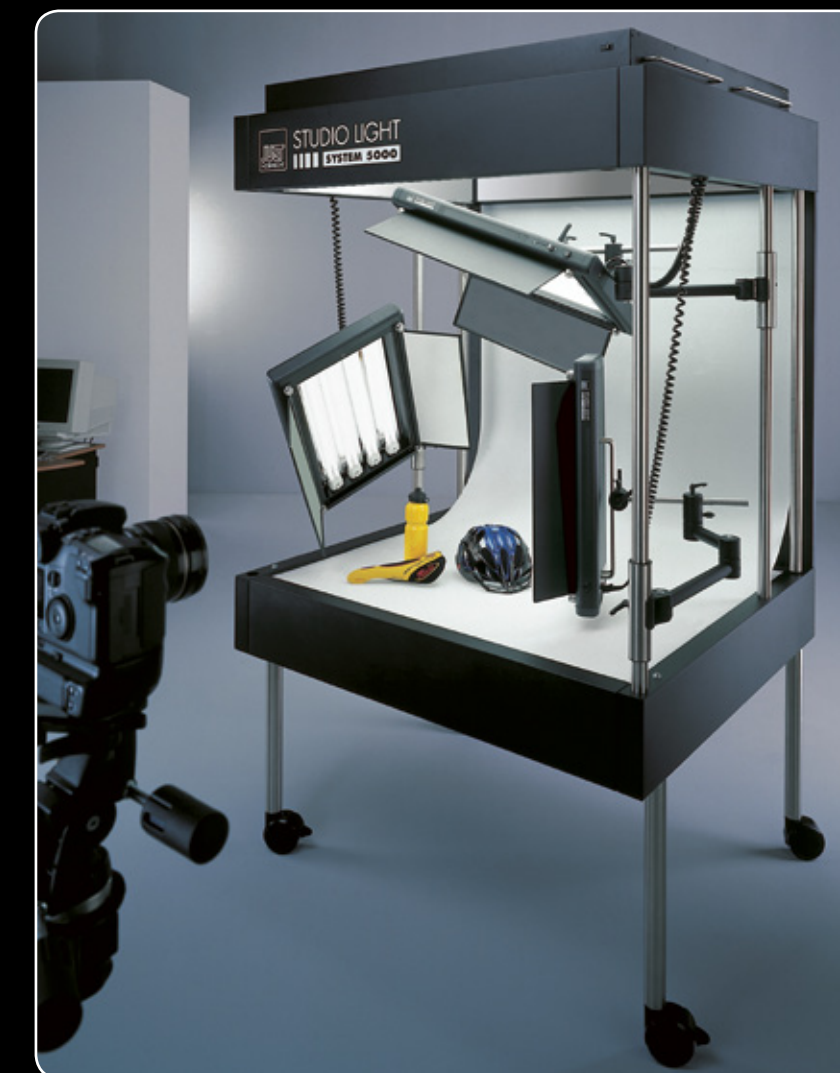Optional Camera Holder and swivel arm for stationary pictures without tripod.

Item. No. 8243

Laptop Holder with swivel arm
Optional Laptop Holder and swivel arm for immediate control of your set from your laptop display.

Item. No. 13094

Headquarter
JUST Normlicht GmbH
Vertrieb+Produktion
Tobelwasenweg 24
73235 Weilheim/Teck
Germany
Fon +49 (0)7023 9504-0
Fax +49 (0)7023 9504-52
info@just-normlicht.com
www.just-normlicht.com

JUST Normlicht, Inc.
2000 Cabot Blvd West
Suite 120
Langhorne, PA 19047-2408
U.S.A.
phone +1 (267) 852-2200
fax   +1 (267) 852-2207
sales@justnormlicht.com
www.justnormlicht.com

JUST NORMLICHT
FRANCE Sàrl
3 rue Louis Pasteur
67240 Bischwiller
France
Tél +33 (0)3 88 06 28 22
Fax +33 (0)3 88 06 28 23
info@just-normlicht.fr
www.just-normlicht.fr

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FTA Flexographic Technical Association
PMA Photo Marketing Association

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