

**JUST Normlicht
softProof solutions.**



INT



Light evenness and intensity are critical to successfully implementing a soft proofing workflow. Comparing images displayed on a monitor to proofs, press sheets, or product samples in the graphic arts industry requires exact specifications and consistent viewing conditions. JUST Normlicht's new innovative technology uses computer controls and monitor calibration devices to create a 100 % controlled viewing environment for soft proofing.

JUST Lighting solutions for soft proofing.



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 : 2000. The luminance level has to be adjusted 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 interface can be controlled by monitor calibration software and the monitor calibrator to an exactly match them to each other.

Softproofing:

»Interpretation of printing data to demonstrate the appearance of their CMYK separation on a color monitor instead of printing a hard proof. The colors should appear the same if the data is printed on a printing press.« ISO 12646 is the valid ISO standard for soft proofing.



Soft proofing lowers costs and saves time by displaying the printed product on a monitor which speeds up the production cycle.

These three different scenarios in the graphic arts industry represent the variety of applications and benefits of soft proofing:

**1 »Photographic Workflow«
Color matching on display**
The color corrected presentation of the digital data has to be guaranteed on a perfectly calibrated and adjusted monitor.

**2 »Repro Workflow«
Color matching between monitor and viewing booth.**
The images displayed on the monitor have to match the proofs, prints, textiles, and other samples.

**3 »Printing Press Workflow«
Press side color matching**
The printed sheet is matched to the image displayed on the monitor.



JUST Normlicht soft proof solutions help you take advantage of the opportunity to reduce costs by shortening the production cycle and establishing better, more accurate color communication between everyone involved in color decisions. The new self contained viewing area includes everything you need to create an ISO 3664:2000 compliant soft proofing area anywhere in your facility.

The software: adJUST monitorCalibration

makes it possible, for the first time, to precisely calibrate the intensity of the standardized lighting along with the monitor. The menu prompts are functional and concise and allow the user to test the results for continued accuracy. By using pre-defined settings the user can operate the software with one keystroke. An experienced user can utilize all of the available options via a wizard style user interface to create individual sophisticated settings. With the new profile validation and the color-space depiction, the color quality can be tested and documented thoroughly and efficiently.



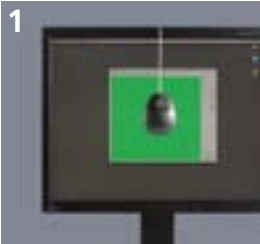
The key for Softproofing.

Get connected!

All JUST Normlicht lighting solutions with soft proofing capabilities are equipped with the JUST USB interface. For the first time it is possible to precisely calibrate the intensity of the standardized lighting along with the monitor and to test the results for continued accuracy.



The perfect calibration of a soft proofing workstation by JUST Normlicht:



1 Monitor Calibration

First with the adJUST monitorCalibration software the graphics monitor is calibrated. The color temperature, tonal value curve, lighting density and contrast are precisely adjusted according to the specification. The color profile is then created for the color rendering properties of the respective monitor. A colorimeter or a spectral photometer is used as a measuring device in this process.

Brightness control in the standardized viewing light, with the example of the colorCommunicator

For the comparison of hardcopy proofs in the standardized viewing light to the soft proof displayed on the monitor the brightness level of the standardized light is adjusted to precisely the same value that the monitor was calibrated to beforehand (in step 1). The measurement device used for this purpose is now placed on the viewing surface with the ambient light head facing the light source.



3 Result: the soft proof and the proof are identical!

The perception of the colors is influenced by the spectral properties of the respective illuminant as well as the brightness level at which the sheet is viewed. For optimum evaluation of colors both factors now correspond precisely to each other – in the standardized viewing light as well as on the monitor.

softProofing

JUST color Communicator



Item No.	Type	Outside dim. H x W x D cm	Viewing area H x W cm	Watt
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JUST colorCommunicator

91975	JUST colorCommunicator 1	49 x 54 x 35	38 x 48	2 x 15
86165	JUST colorCommunicator 2	63 x 64 x 45	50 x 40	2 x 18
87049	adJUST monitorCalibration software (1 st License)			
86892	adJUST monitorCalibration software (additional license)			
87031	basICColor SQUID 2, colorimeter			



JUST color Communicator, the professional viewing solution for the classic repro-workflow. Now available in two sizes, the JUST colorCommunicator series features an absolutely even, gloss and glare free illumination of the viewing surface with a special designed proof support. The colorCommunicator series is the first viewing booth available worldwide with the unique USB interface.



Viewing booths equipped with the JUST USB interface also are equipped with a digital display for showing brightness level, hours of use and the next scheduled tube replacement. If required the viewing booth can also be adjusted manually as well.



adJUST[®]
monitor calibration

softProofing



moduLight

JUST moduLight has not only met the requirements of ISO 3664 : 2000 specification but has exceeded the standard with:

- an illumination quality within the tightest chromaticity tolerances of 0.005
- a color temperature of 5000 Kelvin
- a CRI – Color Rendering Index > 90 at approximately 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.

The soft proof versions of the JUST moduLight are equipped with digital dimming and JUST USB interface, making them the ideal solutions for the soft proof to printing press workflow.



Item No.	Type	Outside dim. H x W x D cm	Viewing area H x W cm	max. Lux at Distance viewing area
moduLight asymmetrical				
68445	4/18-AS	50 x 70	88 x 62 x 8,5	2000 lx / 85 cm
69476	5/36-AS	70 x 100	133,5 x 77,5 x 8,5	2000 lx / 125 cm
69211	6/58-AS	100 x 140	163,5 x 93 x 8,5	2900 lx / 130 cm
moduLight symmetrical				
93344	4/18-AS-S	50 x 70	88 x 62 x 8,5	2000 lx / 80 cm
93260	6/36-AS-S	70 x 100	133,5 x 93 x 8,5	2300 lx / 125 cm
93211	6/58-AS-S	100 x 140	163,5 x 93 x 8,5	2900 lx / 130 cm
87049	adJUST monitorCalibration software (1 st License)			
86892	adJUST additional seat			
87031	basICColor SQUID 2, colorimeter			

moduLight asymmetrical

68445	4/18-AS	50 x 70	88 x 62 x 8,5	2000 lx / 85 cm
69476	5/36-AS	70 x 100	133,5 x 77,5 x 8,5	2000 lx / 125 cm
69211	6/58-AS	100 x 140	163,5 x 93 x 8,5	2900 lx / 130 cm



moduLight
asymmetrical

moduLight symmetrical

93344	4/18-AS-S	50 x 70	88 x 62 x 8,5	2000 lx / 80 cm
93260	6/36-AS-S	70 x 100	133,5 x 93 x 8,5	2300 lx / 125 cm
93211	6/58-AS-S	100 x 140	163,5 x 93 x 8,5	2900 lx / 130 cm



moduLight
symmetrical

softProofing

proofStation SP

The way that colors are being printed is changing in a revolutionary way. The printing industry is changing rapidly into a digital work flow with the possibility to send digital data through the internet to various locations. Industry buzzwords like soft proofing, remote proofing, and virtual proofing are everywhere, but do you get real results?

The proofStation SP, with the newest standardized lighting technology offers the perfect solution for the digital workflow. The SP (soft proof) version of the proofStation, equipped with digital dimming and JUST USB Interface, are the ideal solutions for the soft proof to press workflow.



Optional: Copy Holder at the rear wall. Order Article 88245



Standard feature for all sizes: extricable keyboard holder and mousepad



Included in every proofStation SP is 1 standard VESA mount adapter with swivel arm for TFT-LCD monitors weighing up to 30 lbs. and under shelf keyboard and mouse tray.

Optional: sidewalls to control ambient light, Order Article 87783

Item No.	Type	Description	Outside dim. H x W x D cm	Viewing area H x W cm	Watt
93310	proofStation 01 SP	4 light modules, Tabletop Version	120 x 97 x 110	50 x 70	4 x 18
86231	proofStation 10 SP	4 light modules, Floor standing Version	210 x 97 x 110	50 x 70	4 x 18
81232	proofStation 20 SP	5 light modules, Floor standing Version,	223 x 135 x 155	70 x 100	5 x 36
88252	proofStation 22 SP	5 light modules, 1 work surface, cabinet with 8 drawers	223 x 135 x 155	70 x 100	5 x 36
88245	Copyholder				
87791	Sidewall PS 01/10				
87783	Sidewall PS 20/22				
87049	adJUST monitorCalibration software (1st License)				
86892	adJUST monitorCalibration software (additional license)				
87031	basICColor SQUID 2, Colorimeter				

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Virtual proofStation

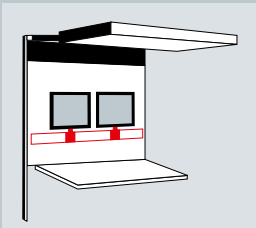
The new Virtual Proof Station is the first press-side viewing station that offers the unique computer controls to create an exact viewing environment match between monitors and press sheets.

The Virtual Proof Station helps you take advantage of the opportunity to reduce costs by shortening the production cycle and establishing better, more accurate color communications between everyone involved in color decisions. The new self contained viewing area includes everything you need to create an ISO 3664:2000 compliant soft proofing area – anywhere in your facility.



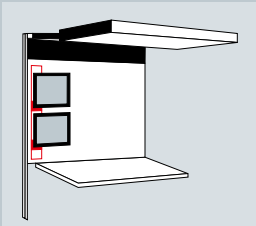
Perfect for the commercial printer that wants to implement the newest cost savings technology, the Virtual Proof Station offers the latest features and functionality available today:

- including JUST moduLight lighting technology
- ISO 3664:2000 standardized viewing conditions for hard copy and soft proof comparison
- JUST USB Interface for exact luminance level control
- adJUST monitorCalibration software integration included.
- Multiple monitor mounting options allowing for up to two 30" monitors in landscape or portrait orientation.
- digital dimmer also for manual operation
- digital display showing luminance level, hourmeter and tube replacement
- built in vented CPU cabinet, keyboard & mouse trays and file drawers
- 3 file drawers
- Sidewalls included to block out ambient light
- Dual VESA mount monitor support
- Lockable wheels for easy mobility.



Optional: Aluminum crossbar with two flexible VESA mount adaptors and swivel arms for two TFT-LCD monitors side by side.

Order Article 88856



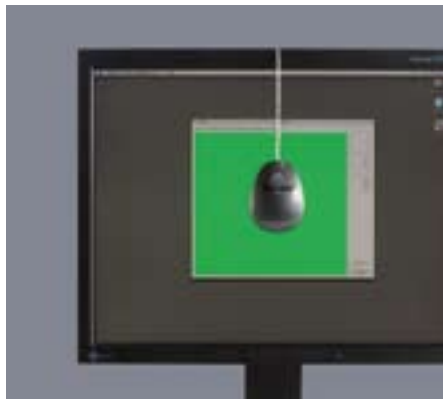
Optional: Aluminum vertical bar with two flexible VESA mount adapters and swivel arms for two TFT-LCD monitors on top of each other.

Order Article 88849

Item No	Type	Description	Outside dim. H x W x D cm	Viewing area H x W cm	Watt
93302	VPS/SP	1-3B	230 x 146 x 127	140 x 71	4 x 36
87049		adJUST monitorCalibration software (1st License)			
86892		adJUST monitorCalibration software (additional license)			
87031		basICColor SQUID 2, Colorimeter			



JUST setting standards.



Patents pending.

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