

JUST Products.



publishing & proof
proof & print
storage & studio



INT



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 standardiza-

tion 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 lighting environment. The complete range of JUST Normlicht products fully complies to these new standards.

Cyan does not always equal Cyan.

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

1 Light quality

The critical demands of ISO 3664:2000 cannot be met using generic fluorescent tubes. JUST Normlicht Daylight 5000 proGraphic fluorescent 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° (see diagram page 4).
- Color temperature 5000 Kelvin (D50), mandatory for all prepress and press activities.
- Color rendering value $R_a > 90$.

According to ISO 3664:2000, the color rendering value (CRI) is derived from 8 test colors. This being a relatively small sample JUST daylight 5000 proGraphic

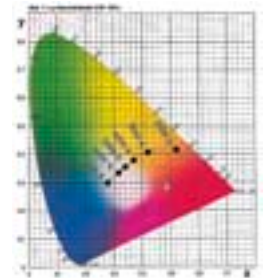
tubes are further tested from 215 colors. Even here JUST daylight 5000 tubes meet a value of $CRI_{215} = 95.6$, which is above any of the values set by common industry standards.

To determine the maximum metameric error, the ISO 3664:2000 specifies the metamerism index of a viewing booth for the visible spectrum with a value $MI(vis) < 1,0$ and for UV the $MI(uv) < 4$.

The metamerism index is quantifying how well the viewing booth is able to replicate the spectral power distribution of the D50 light source.

Because of the use of optical brightener agents metameric failures are happening more frequently because of fluorescents.

Therefore in the next version of the ISO 3664 the value for the $MI(uv)$ is decreased to $< 1,5$. Just Normlicht products are already achieving this future requirement.



Color table according to CIE 1931 with black body curve.

2 The ambient conditions

The ambient conditions in the room greatly affect the color impression. ISO 3664:2000 specifies the surrounding conditions as follows:



Viewing slides with darkened frame

- 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.
- When viewing slides, their frame must be darkened to a 5-10% brightness level for a width of at least 50 mm.



intro

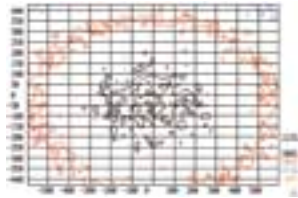
Cyan does not always equal Cyan



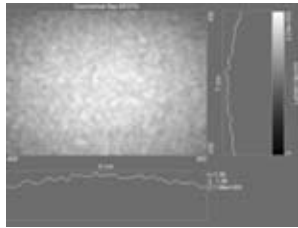
All JUST Normlicht standardized viewing devices are being tested from 215 test colors (ISO 3664:2000 stipulates only 8 test colors). $CRI_{215} = 95.6$.

3 The brightness and evenness 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. Different brightness levels lead to misinterpretations of colors.



- For print and proof, in the case of an illuminated surface of up to $1m^2$, the light intensity at any point on the illuminate surface should never be less than 75 % of the light intensity measured in the center of the illuminated surface.



- On the surface of the slide viewer, a luminance of 1270 cd/m^2 +/- 160 cd/m^2 is ideally required. However, the luminance should be at least 950 cd/m^2 .

Test chart showing illumination levels on viewing surface of a typical JUST Normlicht proofing station.

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/m^2 . 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.

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 3664:2000 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.

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!



JUST – for excellence in standardized lighting technology.



Standardized light is where JUST is:

JUST the leaders of standardized lighting: The new daylight 5000 proGraphic fluorescent tubes have been exclusively designed for JUST, using the latest 4-band technology, therefore achieving unparalleled spectral qualities. JUST daylight 5000 proGraphic fluorescent tubes are the sole illuminants currently

available to fully comply with the critical demands of the ISO 3664:2000 standard. To put it in black and white, every delivery of tubes comes with a certificate of compliance. Don't accept anything less – Daylight 5000 proGraphic, only by JUST Normlicht.

daylight 5000 proGraphic

JUST lighting technology and daylight 5000 proGraphic fluorescent tubes fully meet the requirements of ISO 3664:2000:

- tightest tolerance of color temperature (+/- 200K)
- exact color coordinates (tolerance +/- 0,005)
- even spectral power distribution
- maximum color rendering values, Ra8 = 98, Ra215 = 95.6

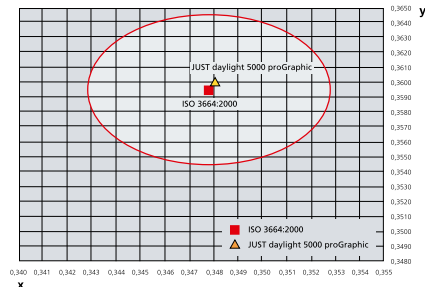
According to ISO 3664:2000, the color rendering value (CRI) is derived from 8 test colors. This being a relatively small sample, JUST daylight 5000 proGraphic tubes are further tested from 215 colors. Even here JUST daylight 5000 proGraphic tubes meet a value of $CRI_{215} = 95.6$, which is above any of the values set by common industry standards.

The 5000 Kelvin fluorescent tube, in compliance with the latest ISO 3664:2000 is equally suited for pre-press, for production printing, for transparency viewing as well as for color comparison throughout the entire workflow ranging from slides and monitors to proofs and prints.

Each production run is accompanied by a measurement certificate, guaranteeing the outstanding quality of JUST daylight 5000 proGraphic fluorescent tubes – no other supplier of commercial fluorescent tubes can provide this service.

Even where the environment is concerned, JUST Normlicht can't be beat: The daylight 5000 proGraphic tube only contains a maximum of 5 mg of mercury per tube!

Certified light quality – made by JUST.
ISO 3664 / CIE 1931 color coordinates



Type/Watt	Length	Item No. 1 piece	Item No. 25 pieces
daylight proGraphic 5000			
LL / SE 15W	438 mm	84038	84020
LL / SE 18W	590 mm	84012	84004
LL / SE 36W	1200 mm	83998	83980
LL / SE 58W	1500 mm	83972	83964



colorMaster

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.



colorMaster 2

Ideal for tabloid size prints and proofs.

publishing & proof color Master

Highlights

- Price Attractive
- Collapsable and portable
- Universal power capability for use worldwide
- optional dimmer control



colorMaster 1

The perfect solution for traveling the smallest colorMaster is designed for prints and proofs up to A3.



The colorMaster is quickly set up and collapsible making it the ideal traveling solution. Optional sidewalls are available.

colorMaster 3

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



Item No.	Type H x W cm	Worksurface H x W cm	Outside dim. H x W cm	Watt
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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)			

Color assessment at the workplace.

The Color Match 5000 series is especially designed for the publishing and prepress areas. Transmissive or reflective lighting for transparency, proof or print-out. The guarantee for successful color assessment at the workplace.

In a high-end workflow, automated processes are predominant. Correct color rendering is a key factor for the quality of printing results. Colors, regardless of which hardware and software are being incorporated, must stay identical from start to finish. The visual color comparisons with JUST Normlicht in every processing phase adds an element of security along the way.

Reflective and transmissive lighting with electronic slide dimmer for exact adjustment to monitor brightness. Includes hour meter with LED display.

Color Match 5000



Color Match 5000 Reflective Lighting
Item No. 8607

More space for prints or proofs. Including hour meter with LED display.



Color Match 5000 Duo
Item No. 5584

Compact and space-saving unit for exact color matching under standardized lighting conditions. Proof and transparency side by side – both with electronic slide dimmer. Reflective lighting area adjustable 25 cm or 58 cm width. Including hour meter with LED display.



Color Match 5000 Combi
Item No. 8532

Color assessment directly at your workspace.

Visual color matching of slides and proofs with reflective or transmissive lighting. Ideal for using at the color monitor work space. With base or swivel arm. Including hour meter with LED display.

Item No.	Type	Light area H x W cm	Worksurface H x W cm	Outside dim. H x W cm	Watt
Color Match 5000 Combi reflective and transmissive lighting					
8532	CMC / VD 2AC base	31 x 45	31 x 58	56 x 64	3 x 18
Color Match 5000 reflective lighting					
8607	CMC / VD 2A base	-	31 x 58	56 x 64	1 x 18
Color Match 5000 Duo					
5884	CMC / VD 2 DUO	31 x 21	31 x 58	56 x 64	3 x 18

For precise color communication between the monitor and the standardized viewing lights.

JUST colorCommunicator

Is the first standardized light available worldwide that communicates with monitor calibration software to precisely coordinate the on screen-representation and the standardized light to each other.



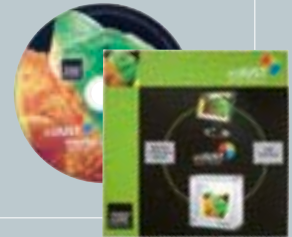
1 Monitor Calibration
First, with the adJUST monitor calibration software, the graphics monitor (CRT or LCD) is calibrated. The color temperature, tonal value curve, lighting density and contrast are precisely adjusted according to specifications.

2 Brightness control in the standardized viewing light of the colorCommunicator
When comparing hardcopy proofs to the soft proof displayed on the monitor the luminance level of the standardized light is precisely adjusted to match the illuminance level of the calibrated monitor from step 1.

Item No.	Type	Outside dim. H x W x D cm	Worksurf. H x W cm	Watt
JUST colorCommunicator				
91975	colorCommunicator 1	49 x 54 x 35	38 x 48	2 x 15
86165	colorCommunicator 2	63 x 64 x 45	50 x 40	2 x 18
87049	adJUST monitor calibration Software			
86892	adJUST additional seat			
87031	basIColor SQUID 2, Monitor Colorimeter			

The software: adJUST monitor calibration

Based on the award-winning monitor profiling solution basIColor 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 3664:2000 and ISO 12646.



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(s), 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.



For more detailed information ask for our exclusive colorCommunicator 2 catalog.

(see page 20)

adJUST
monitor calibration

Essential for a perfect presentation!

Uncompromised in quality and design – JUST Color Control transparency flat viewers are the ideal tool for the perfect presentation.

Color Control transparency flat viewers



Color Control Smart Light 5000
Item No. 2105

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



Color Control Classic Line
Item No. 17277

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.

Color Control mini 5000
Item No. 11726

Mini 5000 viewers with a great design are flat (4 cm), easy to handle and lightweight. Professional quality with non reflective acrylic light surface.



Item No.	Type	Light area D x W cm	Outside dim. D x W cm	Watt
Smart Light 5000 transparency flat viewer				
2105	SL 5 / DL 1	26 x 38	32 x 48 x 6	1 x 15
2113	SL 5 / DL 1A	26 x 51	32 x 63 x 6	1 x 18
3368	SL 5 / DL 2	35 x 38	42 x 48 x 6	2 x 15
3814	SL 5 / DL 2A	35 x 51	42 x 63 x 6	2 x 18
12146	SL 5 / DL 2C	35 x 112	42 x 124 x 6	2 x 36
mini 5000 transparency flat viewer				
11049	CM5 / DM mini 1A	20 x 25	24 x 38 x 4	1 x 8
15412	CM5 / DM mini 2A	30 x 25	34 x 38 x 4	2 x 8
11726	CM5 / DM mini 4	30 x 48	34 x 61 x 4	2 x 13
Classic Line 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

Light and Color – JUST and PANTONE

JUST Normlicht's PANTONE Color Viewing Light with a maximum of 5 different light colors offers ideal conditions for color decisions. Only under standardized lighting can metameric effects be recognized in time.

Color Viewing Light



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.

Item No. 1719
Replacement bulb set



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.

Item No. 1198
Replacement bulb set



The JUST electronic control panel

Offers manual and programmable selection of light sources and an automatic mode which is important to maintain regularity when viewing different colors by providing a constant test criteria. Permanent monitoring of the lifespan for all tubes ensures a consistent test environment by avoiding the use of aged tubes that no longer have the correct light color. The digital display, along with multi-colored LEDs serve as a reminder to change the tubes in a timely manner.

Symbol	Source	Color Temp. Kelvin	Color Rendering RA	Watt	Application area
1	D65	6500	98	2 x 18	North sky daylight, conforms to all important international regulations for visual color matching (CIE D 65)
2	D 50	5000	98	2 x 18	Daylight for color matching in the graphic arts industry. For reproductions and color proofs (CIE D50, ANSI PH 2.30, ISO 3664)
	TL 84	4100	85	2 x 18	Typical lighting for stores, offices, supermarkets and exhibition halls
	A	2700	100	2 x 40	Typical incandescent for homes, offices or hotels
UV	UV	-	-	1 x 8	Required for textile or paper industries, stimulates optical brightness, whitening agents, fluorescent pigments

PANTONE® is a registered trademark of Pantone, Inc.

studio & print Color Viewing Light

Highlights

- electronic ballasts
- service hour meter
- metameric- and glare-free viewing surface
- interior reflection abatement system





Standard

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.

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.

publishing & proof

Transparency /
Litho Light Tables

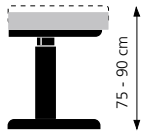
Highlights

- standardized lighting according to ISO 3664:2000
- even illumination
- Color rendering quality RA 98
- easy and flexible usage
- ergonomically designed

Transparency / Litho Light Tables

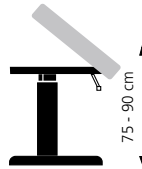
Standard ST

manual height adjustment



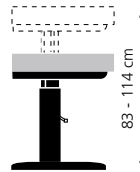
Standard MV

manual height adjustment and 85° slope adapter



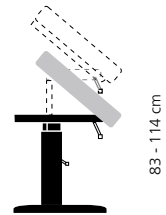
Vario HO

spring loaded height adjustment



Vario SV

spring loaded and 85° slope adapter



Vario



Outside dim. D x W cm	Light area D x W cm	Standard ST Type	Item No.	Standard MV Type	Item No.	Vario HO Type	Item No.	Modell Vario SV Type	Item No.
Litho Light Tables									
80 x 100	73 x 93	LT / LM ST 4	21311	LT / LM MV 4	21444	LT / LM HO 4	21337	LT / LM SV 4	21519
80 x 123	73 x 116	LT / LM ST 5	21535	LT / LM MV 5	21725	LT / LM HO 5	21568	LT / LM SV 5	21816
80 x 153	73 x 146	LT / LM ST 6	21915	LT / LM MV 6	21972	LT / LM HO 6	21949	LT / LM SV 6	21998
100 x 123	93 x 116	*LTS / LM ST 9	23028	*LTS / LM MV 9	23150	*LTS / LM HO 9	23036	*LTS / LM SV 9	23168
100 x 153	93 x 146	*LTS / LM ST 10	23176	*LTS / LM MV10	23192	*LTS / LM HO 10	23184	*LTS / LM SV 10	23200
Transparency Light Tables									
80 x 100	73 x 93	LTS / NL ST 4	21006	LTS / NL MV 4	21030	LTS / NL HO 4	21014	LTS / NL SV 4	21048
80 x 123	73 x 116	LTS / NL ST 5	21055	LTS / NL MV 5	21071	LTS / NL HO 5	21063	LTS / NL SV 5	21089
80 x 153	73 x 146	LTS / NL ST 6	21105	LTS / NL MV 6	21139	LTS / NL HO 6	21121	LTS / NL SV 6	21147
100 x 123	93 x 116	LTS / NL ST 9	21154	LTS / NL MV 9	21170	LTS / NL HO 9	21162	LTS / NL SV 9	21188
100 x 153	93 x 146	LTS / NL ST 10	21204	LTS / NL MV 10	21238	LTS / NL HO 10	21220	LTS / NL SV 10	21246
Litho Light Tables Large Format									
123 x 153	116 x 146	LTS / LM ST 12	23432	LTS / LM HO 12	23465				
123 x 220	116 x 217	LTS / LM ST 14	23523	LTS / LM HO 14	23572				

With scratch resistant crystal glass and white acrylic diffusor.

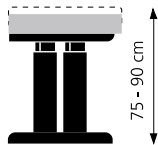
*) With electronic dimmer
300-3500 Lux

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.

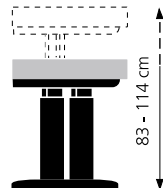
**Litho Light Tables
Large Format**
Item No. 23523

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



**Litho Light Tables
Large Format**

Manual height
adjustment



**Litho Light Tables
Large Format**

Spring loaded
height adjustment

studio & print
Color Station CtP Pro

Highlights

- prevents press downtime
- increases workflow
- increases quality and productivity
- reduces costs and time



Control Station CtP Pro

**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.



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
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Control Station CtP Pro

10280	CTP / 1	125 x 90	107 x 80	220 x 140 x 70
10306	CTP / 2	157 x 131	149 x 126	220 x 185 x 70

Color Proof Lights

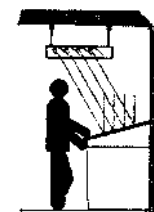
Asymmetrical Color Proof Lights

They are ideally used in combination with base cabinets with slanted surface in order to compare proofs with the final print sheets. The asymmetrical direction of the interior aluminium reflectors casts light at precisely calculated angles on the viewing surface, eliminating glare and shadows almost completely.



Best solution for visual quality control!

The JUST Normlicht product line satisfies the requirements of any color proofing application. Equipped with daylight 5000 proGraphic tubes (ISO 3664:2000). Optional: 6500 Kelvin.



Asymmetrical Color Proof Lights

JUST Normlicht Color Proof Lights – state-of-the-art lighting technology to guarantee precise color control and assessment. Asymmetrical color proof lights are designed to compare proofs and final print sheets in the pressroom. Symmetrical color proof lights are ideally suited for color correct office illumination and conference room lighting. Color Control Professional line equipped with digital hour meter for permanent monitoring of tube lifespan.

Asymmetric

Item No.	Type	Lighted area W x H cm	Outside dimensions D x W x H cm	Watt	
Color Control 5000 asymmetrical, one brightness level					
2477	CC / FD	1-AS-3 / 36	50 x 100	64 x 128 x 16	3 x 36
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
18101	CC / FD	5-AS-5 / 36	100 x 100	100 x 128 x 16	5 x 36
21279	CC / FD	6-AS-4 / 58	100 x 140	100 x 158 x 16	4 x 58
Color Control Professional asymmetrical electronic ballasts - digital hour meter, two brightness levels					
11064	CCP / FD	1-AS-3 / 36	50 x 100	64 x 128 x 16	3 x 36
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
11148	CCP / FD	5-AS-5 / 36	100 x 100	100 x 128 x 16	5 x 36
11163	CCP / FD	6-AS-4 / 58	100 x 140	100 x 158 x 16	4 x 58
11296	CCP / FD	8-AS-6 / 58	120 x 160	108 x 155 x 16	6 x 58

Color Control 5000 asymmetrical, one brightness level

2477	CC / FD	1-AS-3 / 36	50 x 100	64 x 128 x 16	3 x 36
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
18101	CC / FD	5-AS-5 / 36	100 x 100	100 x 128 x 16	5 x 36
21279	CC / FD	6-AS-4 / 58	100 x 140	100 x 158 x 16	4 x 58

Color Control Professional asymmetrical electronic ballasts - digital hour meter, two brightness levels

11064	CCP / FD	1-AS-3 / 36	50 x 100	64 x 128 x 16	3 x 36
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
11148	CCP / FD	5-AS-5 / 36	100 x 100	100 x 128 x 16	5 x 36
11163	CCP / FD	6-AS-4 / 58	100 x 140	100 x 158 x 16	4 x 58
11296	CCP / FD	8-AS-6 / 58	120 x 160	108 x 155 x 16	6 x 58

Symmetric

Item No.	Type	Lighted area W x H cm	Outside dimensions D x W x H cm	Watt	
Color Control 5000 symmetrical, one brightness level					
2220	CC / FS	1-SY-2 / 18	40 x 60	42 x 63 x 7,5	2 x 18
8078	CC / FS	2-SY-2 / 36	40 x 100	42 x 125 x 7,5	2 x 36
2238	CC / FM	1-SY-3 / 36	50 x 100	60 x 126 x 12	3 x 36
2469	CC / FD	3-SY-4 / 36	70 x 100	80 x 128 x 16	4 x 36
10348	CC / FD	4-SY-4 / 58	70 x 130	80 x 158 x 16	4 x 58
14753	CC / FD	6-SY-4 / 58	100 x 140	100 x 158 x 16	4 x 58
Color Control Professional symmetrical electronic ballasts - digital hour meter, two brightness levels					
11262	CCP / FD	3-SY-4 / 36	70 x 100	80 x 128 x 16	4 x 36
11270	CCP / FD	4-SY-4 / 58	70 x 130	80 x 158 x 16	4 x 58
11288	CCP / FD	6-SY-4 / 58	100 x 140	100 x 158 x 16	4 x 58
64428	CCP / FD	6-SY-6 / 58	120 x 160	100 x 158 x 16	6 x 58

Color Control 5000 symmetrical, one brightness level

2220	CC / FS	1-SY-2 / 18	40 x 60	42 x 63 x 7,5	2 x 18
8078	CC / FS	2-SY-2 / 36	40 x 100	42 x 125 x 7,5	2 x 36
2238	CC / FM	1-SY-3 / 36	50 x 100	60 x 126 x 12	3 x 36
2469	CC / FD	3-SY-4 / 36	70 x 100	80 x 128 x 16	4 x 36
10348	CC / FD	4-SY-4 / 58	70 x 130	80 x 158 x 16	4 x 58
14753	CC / FD	6-SY-4 / 58	100 x 140	100 x 158 x 16	4 x 58

Color Control Professional symmetrical electronic ballasts - digital hour meter, two brightness levels

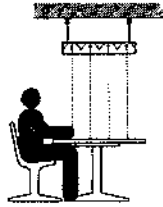
11262	CCP / FD	3-SY-4 / 36	70 x 100	80 x 128 x 16	4 x 36
11270	CCP / FD	4-SY-4 / 58	70 x 130	80 x 158 x 16	4 x 58
11288	CCP / FD	6-SY-4 / 58	100 x 140	100 x 158 x 16	4 x 58
64428	CCP / FD	6-SY-6 / 58	120 x 160	100 x 158 x 16	6 x 58

Modern Switching Technology: Color Control Professional

Proof lights with electronic ballasts offer further advantages: Immediate flicker-free start, prolonged tube life, flicker-free operation and energy saving qualities.

Symmetrical Color Proof Lights

Especially suitable for color corrected office illumination and conference room lighting. The symmetrical, mirror like aluminium reflectors in combination with the prismatic acrylic glass distribute the light vertically and evenly over a level surface. Equipped with JUST daylight 5000 proGraphic tubes (ISO 3664:2000). Optional: 6500 Kelvin tubes available.

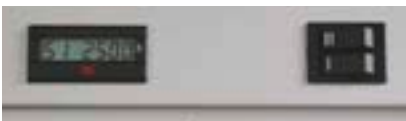


Symmetrical
Color Proof Lights



Color Control Professional

digital hour meter



Standardized light for flexible application: JUST moduLight.



JUST moduLight has not only met the ISO 3664:2000 specification but has exceeded the standard by.

- a luminance 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

Available with electronic dimmer and USB control interface together with adJUST monitorCalibration software for soft proofing environments.



moduLight 05

Combination of five modules designed to illuminate an area of 70 x 100 cm exceeding all of the requirements of ISO 3664:2000.

For more detailed information ask for our exclusive proofStation catalog. (see page 20)



Widely used in the publishing and pre-press areas, JUST Proof Top Multi is the perfect, multifunctional color quality control system for the presentation of layouts, proofs, print-outs or transparencies. Can be used as table top unit or complete proof station. Equipped with many features, Proof Top Multi is highly adaptable to customers' needs and different workplace conditions.

Optimize Visual Color Control for Proofs 50x70 cm

JUST Normlicht's multi-purpose Proof Top is useful for several prepress requirements and adaptable to different workplace conditions. It can be used as a stand alone unit or placed on existing furniture. Equipped with a trolley, the Proof Top turns into a free-standing, mobile and space-saving Proof Station.

Proof Top Multi



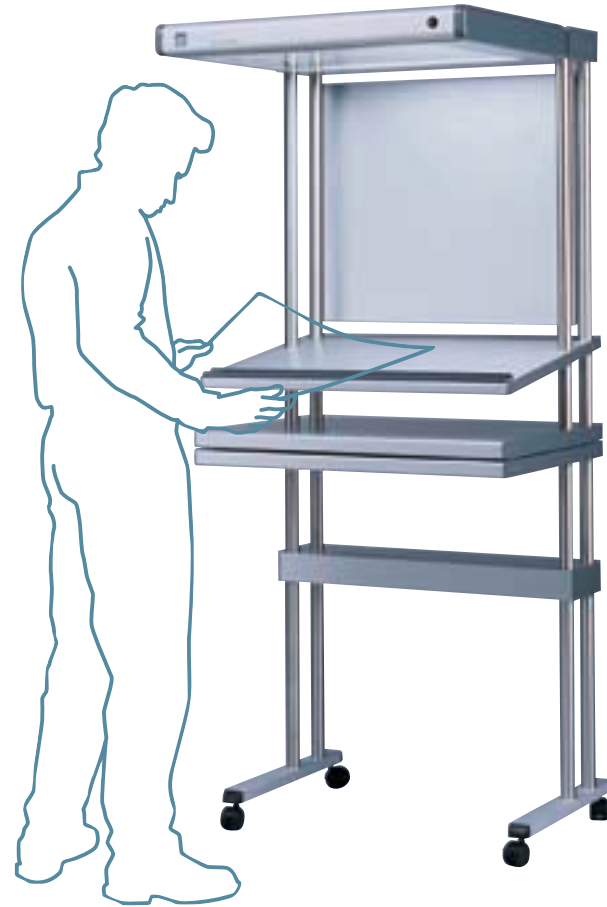
Proof Top Multi
Item No. 20438

- asymmetrical proof light
- glare-free



Proof Top Multi

Optional: Proof Top Multi with sidewalls.
Item No. 20461



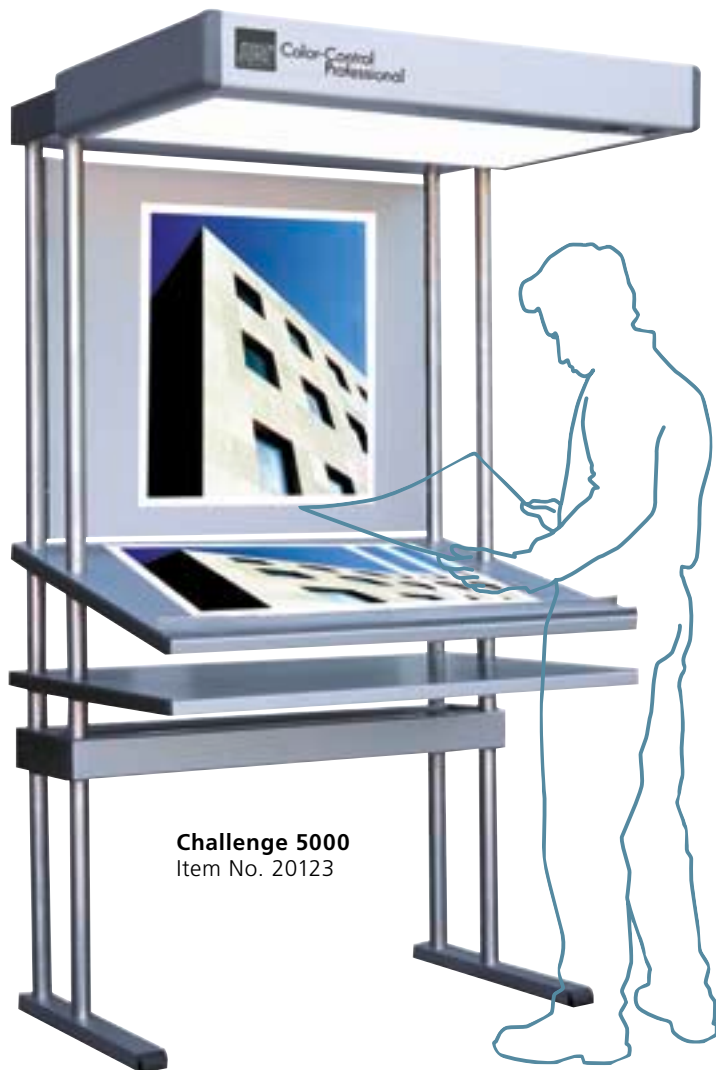
Proof Top Multi
Item No. 20438 a

Optional:
trolley with wheels
Item No. 20453

Item No.	Type		Printing size D x W cm	Outside Dimensions H x W x D cm	Watt
Challenge 5000					
20123	CPS/SR 3B DU		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/SW	side walls 3B (pair)			
9613	CPS/SW	side walls 6B (pair)			
Proof Top Multi 5000					
20438	CPT/SR 0B	Proof Top Multi 5000	50 x 70	101 x 81 x 74	4 x 18
20453	CPT/SR	Trolley, tall		94 x 81 x 60	
20461	CPT/SR	Side walls (pair)			

CHALLENGE 5000

JUST Normlicht's price-attractive proof station for the printing size 3B and 6B. Design fits perfectly into conference rooms, prepress studios or advertising agencies.



Challenge 5000
Item No. 20123

JUST proofStation. Color - Management. Next Generation.

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 22
3B-Format (70 x 100 cm),
5 light modules,
suspended work surface
and file cabinet with
8 drawers. Available with
optional digital dimmer
and USB interface for
soft proofing.

proofStation 01
0B Format 4 light modules, table
top version.

proofStation 10
0B format 4 light
modules, free standing version.

proofStation 20 und 22
3B format 5 light modules,
free standing version.

All proofStations are available
with digital dimmer and USB control
interface for soft proofing.

**For more detailed
information ask
for our exclusive
proofStation
catalog.** (see page 20)

For decades JUST Normlicht Color Proof Stations have been the classic tool for printers, and for good reason. All JUST Normlicht Color Proof Stations include a lighting technology which has set standards for years. Available in 4 print format sizes and with many different configurations available it is a product that is sure to satisfy the requirements of any color matching application.

Get a grip on proof and final print

An asymmetrical proof light eliminates glare and shadows on the viewing surface and with the duplex design light is cast on the rear wall and the work surface for simultaneous comparisons of proof to press sheets. The base cabinet is available in 3 standard versions and the light is equipped with JUST daylight 5000 proGraphic tubes for ISO 3664:2000 compliance. Optional: 6500 Kelvin tubes.

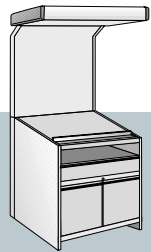
Color Proof Station

0B Illumination of work surface and rear wall for printing size 0B (70x50cm)
 Outside dim. cabinet: 100Wx80Dcm
 Drawers: 90Wx73Dcm
 4x36 W

6B Even Illumination of work surface for the printing size 6B (140x100cm)
 Outside dimensions cabinet:
 159Wx127Dcm
 Drawers: 149Wx117Dcm
 6x58 W

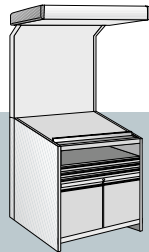
3B Illumination of work surface and rear wall for printing size 3B (100x70cm)
 Outside dim. cabinet: 120Wx90Dcm,
 Drawers: 110Wx83Dcm
 Side walls (optional): Item 4242
 5x36 W

7B For the printing size 7B (160x120cm)
 Outside dimensions cabinet:
 180Wx143Dcm
 Drawers: 170Wx133Dcm
 6x58 W



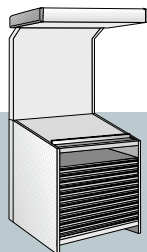
Description:
 1 shelf
 1 drawer
 (12 cm)
 1 door

Item No. Type



Description:
 1 shelf
 3 drawers
 (3,5 cm)
 1 door

Item No. Type



Description:
 1 shelf
 12 drawers
 (3,5 cm)

Item No. Type

Color Proof Station

9837	CPS/MS 015/13 0B	9548	CPS/MS 015/5 0B	9407	CPS/MS 015/10 0B
8839	CPS/MS 315/13 3B	8979	CPS/MS 315/5 3B	8821	CPS/MS 315/10 3B

Item No.	Type	Lighted area W x D cm	Outside dimension H x W x D cm
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Color Proof Station large format sheet size

15446	CCP/PS 6B	140 x 100	235 x 159 x 175
13680	CCP/PS 7B	160 x 120	235 x 180 x 192

Proof Station for large format sheet sizes

Asymmetrical proof light equipped with JUST daylight 5000 proGraphic fluorescent tubes, base cabinet with adjustable slanted worksurface, seven (3,5 cm) drawers, one (12 cm) drawer, integrated drawer locking and one private safe.



Color Proof Station
 Item No. 15446

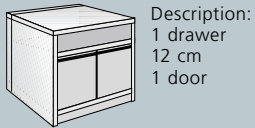
Individual storage possibilities

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

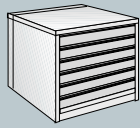
print & storage Color Proof Station System-Cabinet



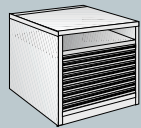
System-Cabinet



Description:
1 drawer
12 cm
1 door



Description:
6 drawers
8,5 cm



Description:
1 shelf
9 drawers
3,5 cm

Item No. Type

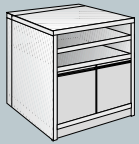
Item No. Type

Item No. Type

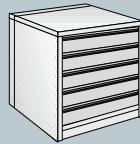
Item No.
optional
light surface

12 HE Cabinet Height 80 cm

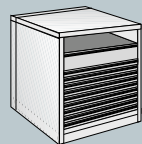
8565	CAM/BS 012/5 0B	8672	CAM/BS 012/9 0B	3798	CAM/BS 012/10 0B	711
14563	CAM/BS 312/5 3B	24414	CAM/BS 312/9 3B	15305	CAM/BS 312/10 3B	992



Description:
2 shelves
1 door



Description:
5 drawers
12 cm



Description:
1 shelf
1 drawer
12 cm
9 drawers
3,5 cm

15 HE Cabinet Height 95 cm

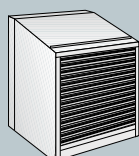
5736	CAM/BS 015/4 0B	5769	CAM/BS 015/9 0B	6502	CAM/BS 015/8 0B	711
13508	CAM/BS 315/4 3B	13656	CAM/BS 315/9 3B	13664	CAM/BS 315/8 3B	992



Description:
1 shelf,
1 drawer
12 cm
1 door



Description:
5 drawers
12 cm



Description:
15 drawers
3,5 cm

15 HE Cabinet slanted work surface Height 118 cm

9720	CAM/AS 015/13 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

15 HE Cabinet with slanted work surface with integrated light surface, 12 drawers



12 HE Cabinet
6 drawers

Studio Light HF 5000 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.

JUST Studio Light System 5000

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 three lamps that are variably adjustable on mobile support arms. The studio surface is equipped with dimmable transmissive lighting. Complete studio, including 3 lamps (2x/4x/6x55 W) and backdrop. Please ask for further information. Item No. 8243

Item No.	Type		Watt
Studio Light HF 5000 studio lamps and accessories			
65060	HF5 / SL 0	studio lamp	2 x 36
7518	HF5 / SL 1	studio lamp	2 x 55
7526	HF5 / SL 2 DI	studio lamp	4 x 55
7534	HF5 / SL 3 DI	studio lamp	6 x 55
3673	HF5 / SR 1	diffuser for	2 x 55
4044	HF5 / SR 2	diffuser for	4 x 55
5652	HF5 / SR 3	diffuser for	6 x 55
20966	DTS / ST	tripod	
5017		counterweight for SL2 and SL3	

Studio Light System 5000

			Outside dim. H x W x D cm
65045	DTS / FS	Studio COMPACT	101 x 82 x 71
64485	DTS / SR	Trolley COMPACT with wheel	74 x 82 x 71
8243	DTS / FS	Complete-Studio Light System 5000	212 x 128 x 110
7369	DTS/GS	Additional pole for optional item	
92973	DTS/GS	Swivel arm	
13094	DTS/GS	Laptop Holder with swivelarm	
92981	DTS/GS	Camera Holder with swivelarm	
92999	DTS/BL	backlit rearwall for backdrop illumination	





JUST Studio Light System 5000

Large photo surface evenly lit with consistent 5000 Kelvin daylight quality light. Includes electronic slide dimmer to regulate light intensity, voltage regulator allowing less than 1 % fluctuation, and electronic ballasts with upper wave frequency suppression.



**Camera Holder
with swivel arm**
Item No. 92981

Optional Camera holder
and swivel arm for
stationary pictures
without tripod.



**Laptop Holder
with swivel arm**
Item No. 13094

Optional laptop holder and swivel
arm for immediate control of
your set from your laptop display.



Studio Light Compact 5000
Item No. 65045

The compact solution:
a complete studio light system in
small format. Completely equipped
with 2 daylight lamps (2x36 W)
on mobile support arms, back drop,
transmissive lighting. Optional:
Third daylight lamp to cast light onto
rear wall.



Studio Light Compact 5000
Item No. 65045

Optional: Trolley
Item No. 64485

Fax-Order Form

Yes, I am interested in JUST Normlicht's standardized lighting solutions. Please send us the special brochures marked below:

- JUST Products.**
- JUST proofStation. JUST moduLight.**
- Original Replacement Tubes from JUST.**
- JUST softproofing and adJUST monitor calibration.**
- JUST Visual Color Control.**
- JUST lightDisplay Programm.**

Company

Contact Name

Street address

City, State, Zip code

Phone Number

email address

JUST Normlicht GmbH
Vertrieb + Produktion
D 73235 Weilheim / Teck
Fon +49 (0)7023 9504-0
info@just-normlicht.com



JUST setting standards.

JUST-Product Information



JUST Products.



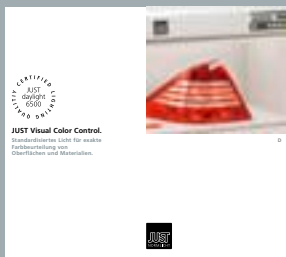
**JUST proofStation.
JUST moduLight.**



**Original Replacement
Tubes from JUST.**



**JUST softproofing and
adJUST monitor calibration.**



JUST Visual Color Control.



JUST lightDisplay Programm.

www.just-normlicht.com

Headquarter

JUST Normlicht GmbH
Vertrieb + Produktion
Tobelwasenweg 24
73235 Weilheim / Teck
Germany

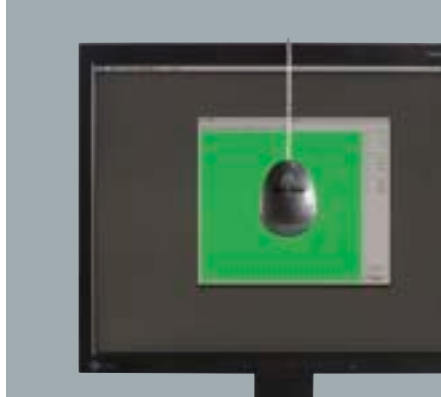
Fon +49 (0)7023 9504-0
Fax +49 (0)7023 9504-52
info@just-normlicht.com
www.just-normlicht.com

JUST NORMLICHT FRANCE Sarl
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

JUST Normlicht, Inc.
2010 Cabot Blvd West
Suite E
Langhorne, PA 19047
U.S.A.

phone: (267) 852-2200
fax: (267) 852-2207
sales@justnormlicht.com
www.justnormlicht.com



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