

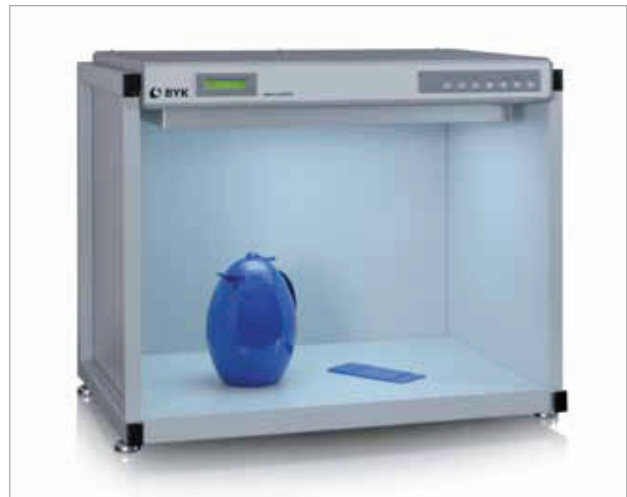
Colors appear differently under different lighting conditions. Use of a light booth to simulate different lighting conditions helps to obtain objective color assessment, improves communication and reduces product rejections. BYK-Gardner offers a complete line of light booths which allow you to see what your product will look like – independent of location and environmental influences.

byko-spectra

For critical color evaluation the byko-spectra light booth offers every option and feature that is needed to evaluate and communicate color with absolute confidence.

- Comparison of standard and sample in a color-neutral environment
- Five different controlled light sources:

Daylight	D65
Incandescent light	A
Department store light	CWF and TL84
Ultra-violet light	UV
- Viewing under ultraviolet light to detect and evaluate optical brighteners or fluorescent pigments
- No warm-up time or flickering which ensures quick and reliable color judgement
- Automatic light source sequencing to standardize testing procedures
- ColorGuard II timing center tracks light source usage and indicates when to replace the lamps
- Diffusing panel to eliminate direct reflection
- Comfortable testing in a compact design – for laboratory and production



Standards

ASTM	D 1729
ISO	3668 (accessory required)

Certified For Preventive Maintenance see page 271.

Ordering Information

Cat. No.	Description	Price
6047	byko-spectra	\$ 2,839.20
6046	byko-spectra	\$ 2,839.20

Comes complete with:
 byko-spectra light booth
 5 light sources: D65, A, CWF, TL84, UV
 Certificate
 Operating instructions

Technical Specifications

Voltage	D65	A	CWF	TL84	UV
230 V, 50/60 Hz	X	X	X	X	X
115 V, 50/60 Hz	X	X	X	X	X
Dimensions	63 x 76 x 55 cm (24.75 x 30 x 21.5 in)				
Viewing Area Size	51 x 71 x 55 cm (20 x 28 x 21.5 in)				
Weight	32kg (70 lbs)				

Ordering Information

Cat. No.	Description	Price
6048	Replacement Lamp Kit (including certificate)	\$ 610.50
6057	Insert Panel Set for ISO 3668 (Includes side walls, rear wall and floor panels)	\$ 254.80

Accessories

Voltage	D65	A	CWF	TL84	UV
230 / 115 V	X	X	X	X	X

byko-spectra *basic*

For general color evaluation under defined lighting conditions the byko-spectra basic light booth offers the following benefits:

- Comparison of standard and sample in a color-neutral environment
- Three different controlled light sources:
 - Daylight D65
 - Incandescent light A
 - Department store light CWF or TL84
- Easy to operate by using individual switches for each light source
- Can be set up in minutes without any tools
- Economical testing of large samples in a compact design – for laboratory and production



Standards

ASTM	D 1729
ISO	3668 (accessory required)

Ordering Information

Cat. No.	Description	Price
6054	byko-spectra <i>basic</i>	\$ 885.00
6052	byko-spectra <i>basic</i>	\$ 885.00
6051	byko-spectra <i>basic</i>	\$ 885.00
6053	byko-spectra <i>basic</i>	\$ 885.00

Comes complete with:

byko-spectra *basic* light booth
 3 light sources: D65, A, CWF or TL84
 Operating instructions

Technical Specifications

	Voltage	D65	A	CWF	TL84
	230 V, 50/60 Hz	X	X		X
	230 V, 50/60 Hz	X	X	X	
	115 V, 50/60 Hz	X	X	X	
	115 V, 50/60 Hz	X	X		X
Dimensions	48 x 67 x 42 cm (19 x 26.5 x 16.5 in)				
Viewing Area Size	37 x 60 x 33 cm (15 x 24 x 13 in)				
Weight	14kg (30 lbs)				

Ordering Information

Cat. No.	Description	Price
6055	Replacement Lamp Kit CWF	\$ 137.30
6056	Replacement Lamp Kit TL84	\$ 137.30
6058	Insert Panel Set for ISO 3668 (Includes side walls, rear wall and floor panels)	\$ 171.60

Accessories

	Voltage	D65	A	CWF	TL84
	230 / 115 V	X	X	X	
	230 / 115 V	X	X		X

Note: We recommend to replace the lamps every 2500 hours.

byko-spectra *mini*

For general color evaluation of small samples the byko-spectra *mini* light booth offers the following benefits:

- Comparison of standard and sample in a color-neutral environment
- Three different controlled light sources:

Daylight	D65
Incandescent light	A
Department store light	CWF or TL84
- Easy to operate by using individual switches for each light source
- Can be set up in minutes without any tools
- Economical testing of small samples in a compact design – for laboratory and production



Standards

ASTM	D 1729
ISO	3668 (accessory required)

Ordering Information

Cat. No.	Description	Price
6043	byko-spectra <i>mini</i>	\$ 711.40
6041	byko-spectra <i>mini</i>	\$ 711.40
6040	byko-spectra <i>mini</i>	\$ 711.40
6042	byko-spectra <i>mini</i>	\$ 711.40

Comes complete with:

byko-spectra *mini* light booth
 3 light sources: D65, A, CWF or TL84
 Operating instructions

Technical Specifications

Voltage	D65	A	CWF	TL84
230 V, 50/ 60 Hz	X	X		X
230 V, 50/ 60 Hz	X	X	X	
115 V, 50/ 60 Hz	X	X	X	
115 V, 50/ 60 Hz	X	X		X
Dimensions	46 x 52 x 34 cm (18 x 20.5 x 13.25 in.)			
Viewing Area Size	33 x 46 x 25 cm (13 x 18 x 10 in.)			
Weight	10 kg (22 lbs)			

Ordering Information

Cat. No.	Description	Price
6045	Replacement Lamp Kit TL84	\$ 139.40
6044	Replacement Lamp Kit CWF	\$ 139.40
6050	Replacement Lamp Kit TL84	\$ 139.40
6049	Replacement Lamp Kit CWF	\$ 139.40
6059	Insert Panel Set for ISO 3668 (Includes side walls, rear wall and floor panels)	\$ 164.30

Accessories

Voltage	D65	A	CWF	TL84
230 V	X	X		X
230 V	X	X	X	
115 V	X	X		X
115 V	X	X	X	

Note: We recommend to replace the lamps every 2500 hours.

Effect finish appearance is influenced by different viewing angles and viewing conditions. With BYK-Gardner's new byko-spectra *effect* light booth, it is now possible to control both parameters to ensure objective evaluation of the total color impression of effect finishes. This helps to improve communication and reduce product rejections.

byko-spectra *effect*

For objective evaluation of color under different viewing angles, and flake characterization under different illumination conditions, the new byko-spectra *effect* light booth offers the following advantages:

Comparison of standard and sample under direct illumination in a black environment

- Color evaluation for daylight under 6 defined viewing angles: A tiltable sample table allows the samples to be presented at the following angles: -15°/15°/25°/45°/75°/110°. The illumination system also pivots, insuring excellent agreement with the measurement results of multi-angle color instruments.
- Sparkle evaluation under 15°, 45° and 75° direct illumination: Three individual LED sets simulate the impression of direct sunlight. The LED light sources are guaranteed for 10 years.
- No warm-up or flickering – quick and reliable color and effect judgement is ensured
- Timer to track daylight lamp usage and indicate when to replace the tube
- Dimmable sparkle illumination to adjust for different sample lightness



New!

Info!

For more information on objective measurements of effect finishes see pages 95 – 112.

Ordering Information

Cat. No.	Description	Price
6027	byko-spectra <i>effect</i>	\$ 20,280.00

Comes complete with:

byko-spectra *effect* light booth
Operating instructions

Technical Specifications

Voltage	115 / 230 V, 50 / 60 Hz
Dimensions Light Booth	121 x 80 x 76 cm (47.7 x 31.7 x 29.9 in)
Dimensions Sample Table	32 x 60 cm (12.6 x 23.6 in)
Weight	58.8 kg (127.2 lbs)

Ordering Information

Cat. No.	Description	Price
6026	Replacement Daylight Tube	\$ 32.20

Accessories

Replacement is recommended after 2500 hours