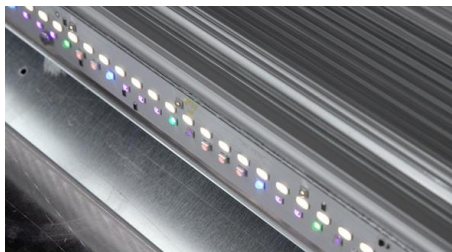


Cada vez más, las fuentes de luz LED se utilizan en la iluminación general, ya sea como modificaciones o en lugar de las fuentes de luz convencionales, como las lámparas fluorescentes, halógenas o incandescentes. El desafío que esto presenta es que la distribución espectral de los LED difiere sustancialmente de todas las demás fuentes de luz y, como resultado, cambia la percepción visual de los colores vistos por ellos.



JUST Digital Light Systems (DLS) ha conseguido que la iluminación basada en LED fuera homogénea, estable a corto y largo plazo lo que representa una solución de alto rendimiento, rentable y compatible con los estándares. Normalmente los LED estándar y los tubos LED, no pueden emitir una luz uniforme y estable a largo plazo, lo que se ve agravado por la calidad fluctuante de la fabricación del LED.

Las luminarias de JUST basadas en LED producen luz de la más alta calidad y estable a largo plazo gracias a un proceso de calibración patentado multietapa, a la selección de los mejores diodos emisores de luz y los controladores LED sometido todo ello a procesos de control sofisticados.

Descubra la última novedad en cabina de luces para verificación del color con nuestra luz de visualización del color **DLS v8**. El sistema de control optimizado permite una evaluación basada en LED mucho más sencilla. Además de las fuentes luminosas D50, D65 y UV-A, se pueden añadir dos fuentes luminosas específicas a la luz de visualización del color DLS v8, según las necesidades del cliente. Además, el contenido UV se puede activar o desactivar y los ajustes de verificación almacenados se pueden activar o desactivar fácilmente con solo pulsar un botón.



Luz de visualización LED de alto rendimiento con:

- distribución de la luz inigualable
- alta uniformidad y características espectrales óptimas
- difusor prismático basado en CAD sin sombras ni deslumbramientos
- vida útil prevista de 50 000 horas
- sin mantenimiento; sin sustitución de tubos
- 5 iluminantes LED según:
 - **D50** ISO 23603, CIE S 012, [ISO 3664](#)
 - **D65** ISO 23603, CIE S 012, [ISO 3668](#)
 - **ALT1** seleccionar [CIE 15:2018](#) B1 (2733K), B2 (2998K) o B3 (4103K)
 - **ALT2** seleccionar [CIE 15:2018](#) B1 (2733K), B2 (2998K) o B3 (4103K)
- **UV-A**
 - Coordenadas cromáticas exactas D50/D65
 - Índice de metamerismo bajo en el rango visible: $\leq 0,8$ (Mlvis)
 - Índice de metamerismo bajo en el rango UV: $\leq 0,6$ (MlUV)
 - Función de luz mixta
 - D50/D65 Regulación continua
 - D50/D65 apagado/encendido Contenido UV
 - Interfaz USB
 - Función de memoria para ajustes preestablecidos
 - Secuencias de luz programables
 - Patente estadounidense n.º US 8.592.748,B2

DLS Color Viewing Light v8

Diseño asimétrico de la luz para ver desde un lado (posición de visión fija).

Poco reflejo y deslumbramiento.

Desactivación de UV para la evaluación según la antigua norma ISO 3664.

4 tamaños; S / L / XL / XXL.



Interfaz USB para conexión a PC.

Los iluminantes son regulables.

Se pueden seleccionar varias fuentes de iluminación simultáneamente.

Se pueden programar diferentes secuencias de iluminación.

Aplicaciones

- 2D Para muestras planas, como papel, tejidos, recubrimientos.
- 3D Para ver muestras en 3D fabricadas con diferentes materiales.
- Buena detección del metamerismo gracias a múltiples iluminantes.
- Para muestras de visualización especialmente grandes y planas.

Características de los Iluminantes



Características



Aplicaciones



DLS Color Viewing Light v8 | S

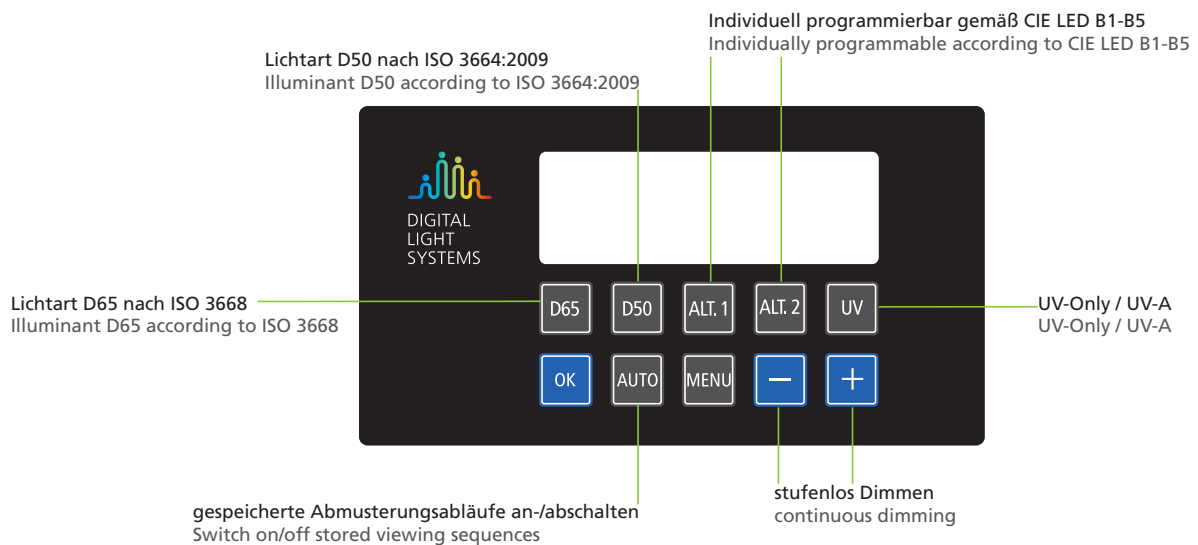
LED-based viewing booth, standard light luminaires D50, D65, UV-A and 2 alternatives



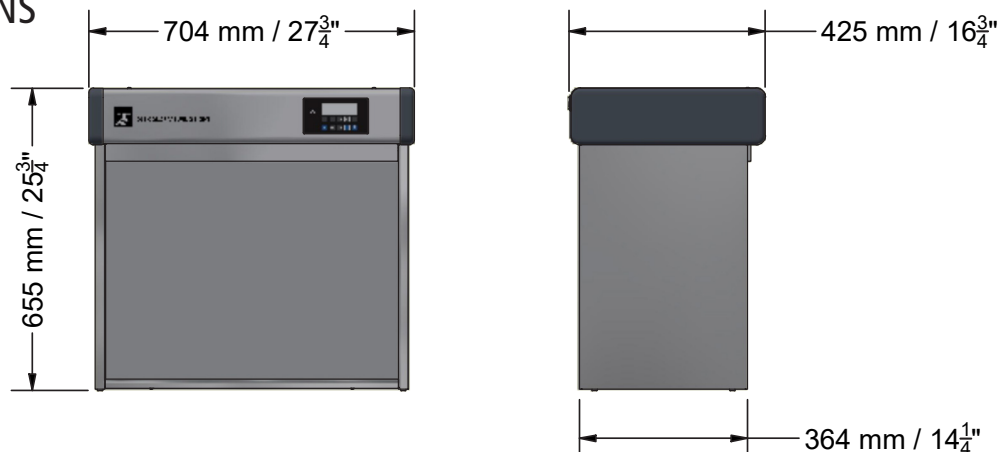
- LED-based viewing booth
- Article-No.: 203278/ 203279*

LED CONTROL

- Easy and intuitive operation
- External control optionally available (Art.-No. 203029)
- ALT1 and ALT2 is pre-programmed according to the request
- Mixed light function - several types of light can be selected simultaneously



DIMENSIONS



* Data for US version of the product

TECNICAL DATA

Electric data

Maximum electric power	80 W
Electrical operating power	33 W
Operating voltage	230 V / 110V*
Tension frequency	50 / 60 Hz
Connection cable	power cable, angle plug type 303 to IEC socket type 601 / NEMA 5-15P Male*
Maximum continuous current (continuous operation)	0,3 A / 0,7 A*
Operating mode	S1: Continuous operation
Expected lifetime (continuous operation)	>50.000 h

Photometric data and colormetric characteristics

Illuminant types	CIE D50 (5000 K) , CIE D65 (6500 K), UV-ONLY (UV-A), CIE B1-B5 (2733 - 6598 K / Ra=80)
Ra (Color Rendering Index) ø	>95
Metamerism Index (visible range)	≤ 0,8
Metamerism Index (UV-range)	≤ 0,6
Chromaticity error	<0,002
Chromaticity coordinate (10°)	D50: x = 0,3478 y = 0,3595 (≤ 0,002) D65: x = 0,3138 y = 0,3309 (≤ 0,002)
Dominant wavelength UV-ONLY	365 nm
Radiant power UV-ONLY	6 W
Risk assessment according to DIN-EN-62471	D65+UV / D50+UV: RG0 UV-ONLY: RG1

Mechanical data

Illumination area (WxD)	64 x 36 cm / 25 1/4" x 14 1/8"*
Outside dimensions (WxHxD)	70 x 71 x 43 cm / 27 1/2" x 28" x 16 7/8"*
Product weight	12 kg
Housing	Aluminium
Lens	special prismatic lens, UV-transmissive
Protection class	IP 52
Permitted ambient temperature	0°C - 40°C / 32°F - 104°F

Environmental aspect (compared to conventional fluorescent lamps)

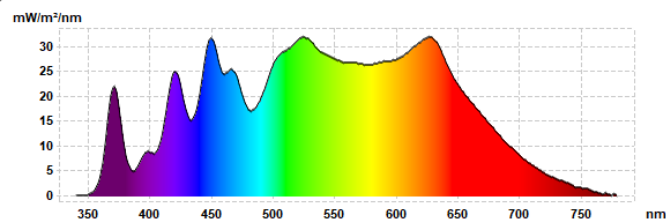
CO ₂ -savings	over 17 tons
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* Data for US version of the product

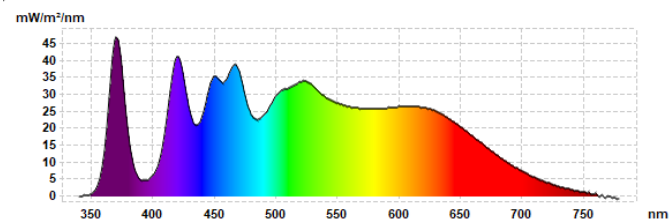


SPECTRES

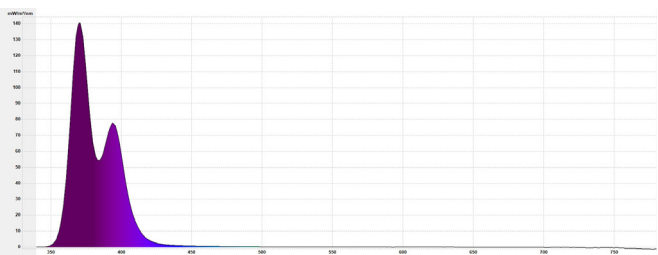
Spectrum DLS Color Viewing Light D50



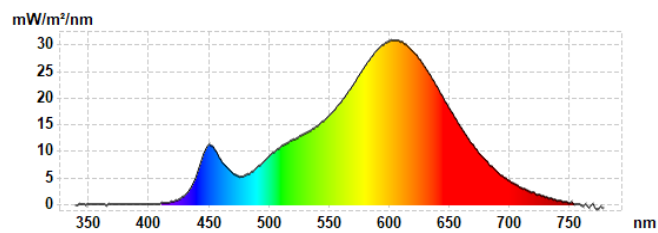
Spectrum DLS Color Viewing Light D65



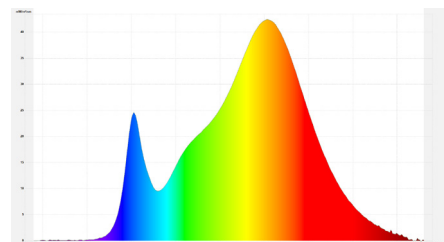
Spectrum UV-A (UV-Only)



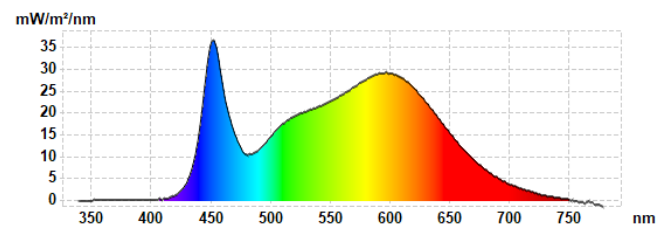
Spectrum DLS Color Viewing Light CIE B1



Spectrum DLS Color Viewing Light CIE B2



Spectrum DLS Color Viewing Light CIE B3



* Data for US version of the product



DLS Color Viewing Light v8 | L

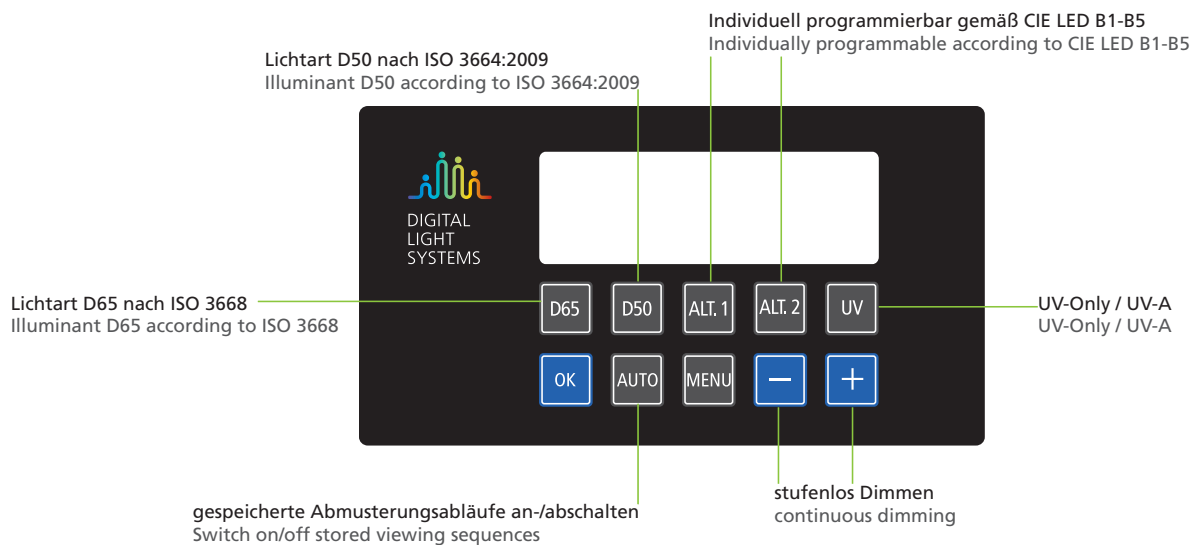
LED-based viewing booth, standard light luminaires D50, D65, UV-A and 2 alternatives



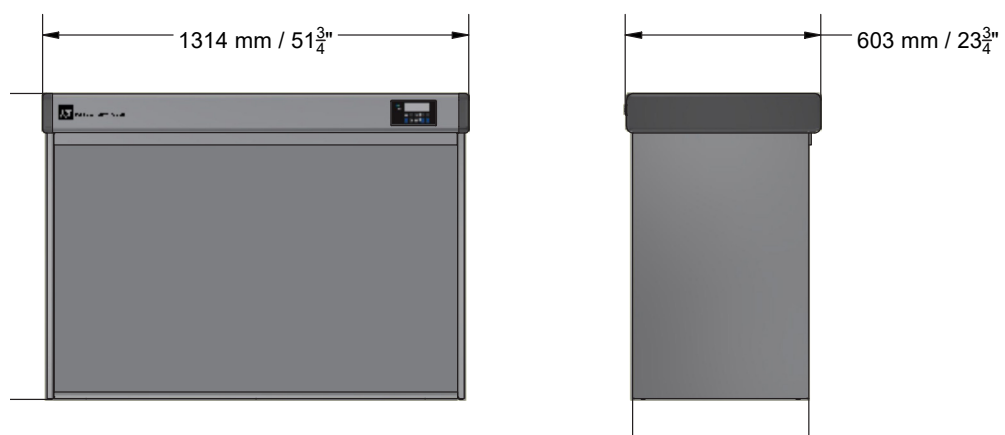
- LED-based viewing booth
- Article-No.: 203280/ 203281*

LED CONTROL

- Easy and intuitive operation
- External control optionally available (Art.-No. 203029)
- ALT1 and ALT2 is pre-programmed according to the request
- Mixed light function - several types of light can be selected simultaneously



DIMENSIONS



* Data for US version of the product

TECNICAL DATA

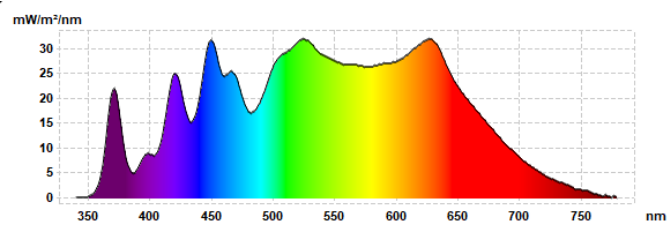
Electric data	
Maximum electric power	183 W
Electrical operating power	170 W
Operating voltage	230 V / 110V*
Tension frequency	50 / 60 Hz
Connection cable	power cable, angle plug type 303 to IEC socket type 601 / NEMA 5-15P Male*
Maximum continuous current (continuous operation)	0,8 A / 1,7 A*
Operating mode	S1: Continuous operation
Expected lifetime (continuous operation)	>50.000 h
Photometric data and colormetric characteristics	
Illuminant types	CIE D50 (5000 K) , CIE D65 (6500 K), UV-ONLY (UV-A), CIE B1-B5 (2733 - 6598 K / Ra=80)
Ra (Color Rendering Index) ø	>95
Metamerism Index (visible range)	≤ 0,8
Metamerism Index (UV-range)	≤ 0,6
Chromaticity error	<0,002
Chromaticity coordinate (10°)	D50: x = 0,3478 y = 0,3595 (≤ 0,002) D65: x = 0,3138 y = 0,3309 (≤ 0,002)
Dominant wavelength UV-ONLY	365 nm
Radiant power UV-ONLY	6 W
Risk assessment according to DIN-EN-62471	D65+UV / D50+UV: RG0 UV-ONLY: RG1
Mechanical data	
Illumination area (WxD)	125 x 54 cm 49 1/4" x 21 1/4"*
Outside dimensions (WxHxD)	132 x 97 x 60 cm 52" x 38 1/4" x 23 5/8"*
Product weight	31 kg 68,3 lbs
Housing	Aluminium
Lens	special prismatic lens, UV-transmissive
Protection class	IP 52
Permitted ambient temperature	0°C - 40°C / 32°F - 104°F
Environmental aspect (compared to conventional fluorescent lamps)	
CO ₂ -savings	over 17 tons

* Data for US version of the product

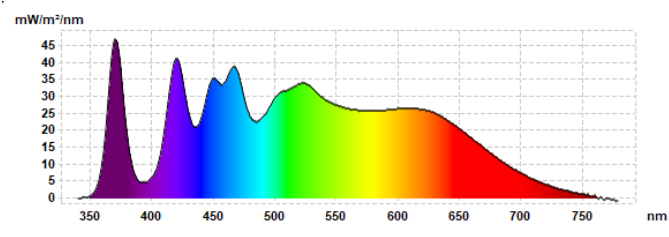


SPECTRES

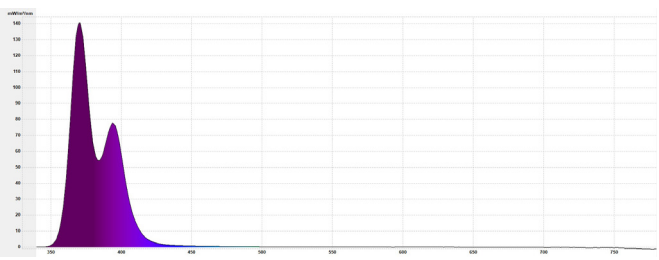
Spectrum DLS Color Viewing Light D50



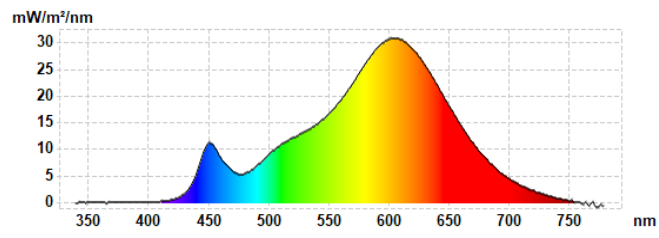
Spectrum DLS Color Viewing Light D65



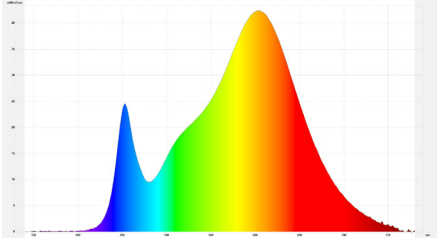
Spectrum UV-A (UV-Only)



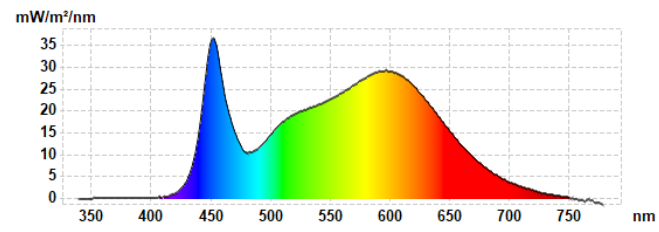
Spectrum DLS Color Viewing Light CIE B1



Spectrum DLS Color Viewing Light CIE B2



Spectrum DLS Color Viewing Light CIE B3



* Data for US version of the product



DLS Color Viewing Light v8 | XL

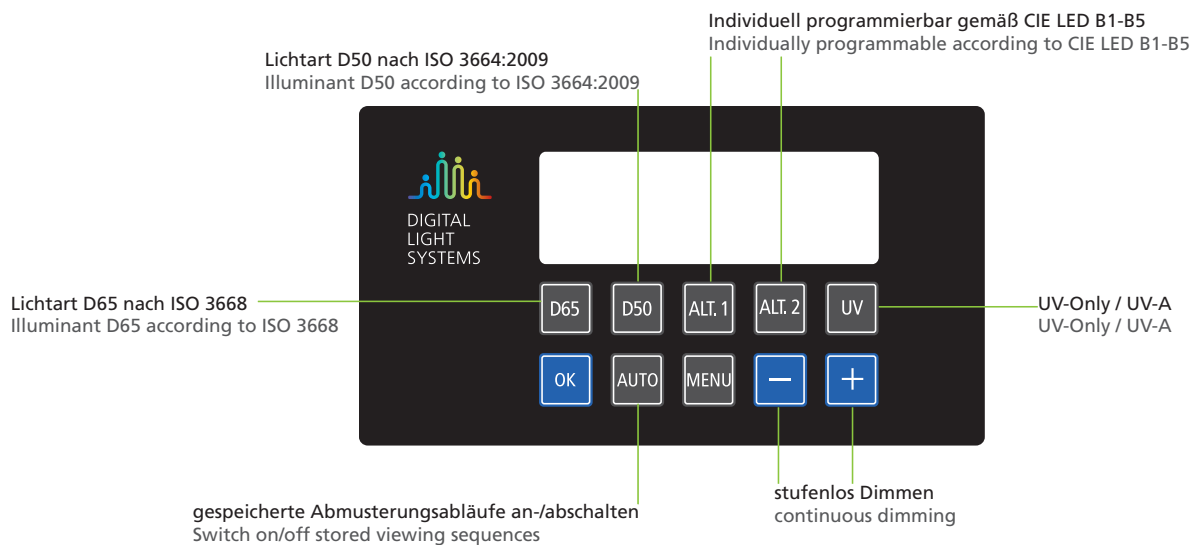
LED-based viewing booth, standard light luminaires D50, D65, UV-A and 2 alternatives



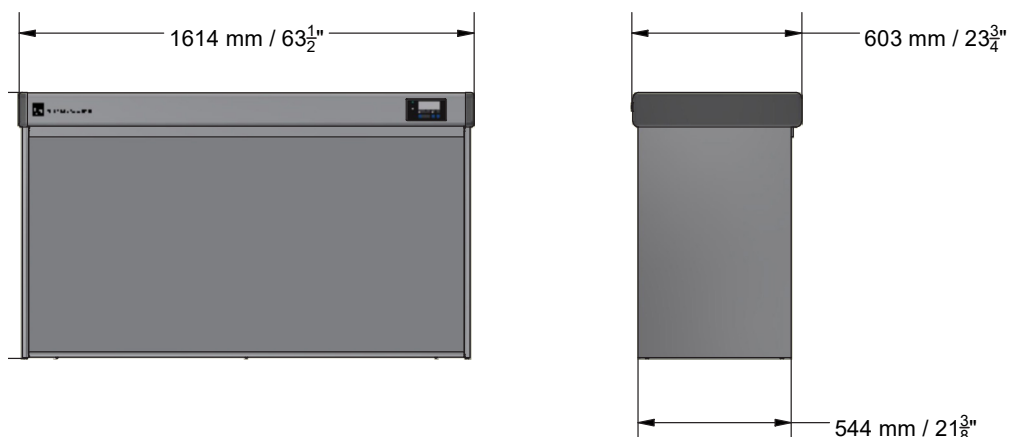
- LED-based viewing booth
- Article-No.: 203282/ 203283*

LED CONTROL

- Easy and intuitive operation
- External control optionally available (Art.-No. 203029)
- ALT1 and ALT2 is pre-programmed according to the request
- Mixed light function - several types of light can be selected simultaneously



DIMENSIONS



* Data for US version of the product

TECNICAL DATA

Electric data

Maximum electric power	205 W
Electrical operating power	190 W
Operating voltage	230 V / 110 V*
Tension frequency	50 / 60 Hz
Connection cable	power cable, angle plug type 303 to IEC socket type 601 / NEMA 5-15P Male*
Maximum continuous current (continuous operation)	0,9 A / 1,9 A*
Operating mode	S1: Continuous operation
Expected lifetime (continuous operation)	>50.000 h

Photometric data and colormetric characteristics

Illuminant types	CIE D50 (5000 K) , CIE D65 (6500 K), UV-ONLY (UV-A), CIE B1-B5 (2733 - 6598 K / Ra=80)
Ra (Color Rendering Index) ø	>95
Metamerism Index (visible range)	≤ 0,8
Metamerism Index (UV-range)	≤ 0,6
Chromaticity error	<0,002
Chromaticity coordinate (10°)	D50: x = 0,3478 y = 0,3595 (≤ 0,002) D65: x = 0,3138 y = 0,3309 (≤ 0,002)
Dominant wavelength UV-ONLY	365 nm
Radiant power UV-ONLY	6 W
Risk assessment according to DIN-EN-62471	D65+UV / D50+UV: RG0 UV-ONLY: RG1

Mechanical data

Illumination area (WxD)	155 x 54 cm 61" x 21 1/4"*
Outside dimensions (WxHxD)	162 x 95 x 60 cm 63 3/4" x 37 3/8" x 23 5/8"*
Product weight	34 kg 75 lbs
Housing	Aluminium
Lens	special prismatic lens, UV-transmissive
Protection class	IP 52
Permitted ambient temperature	0°C - 40°C / 32°F - 104°F

Environmental aspect (compared to conventional fluorescent lamps)

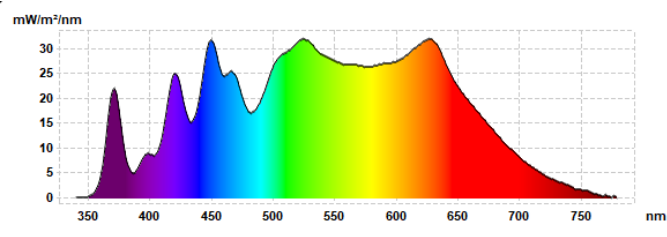
CO ₂ -savings	over 17 tons
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* Data for US version of the product

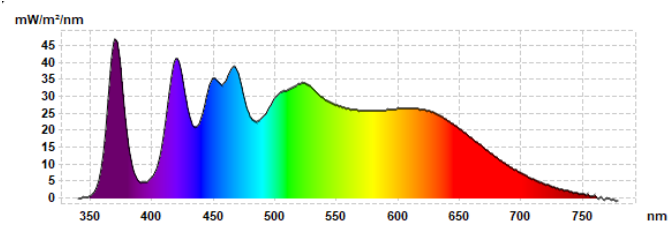


SPECTRES

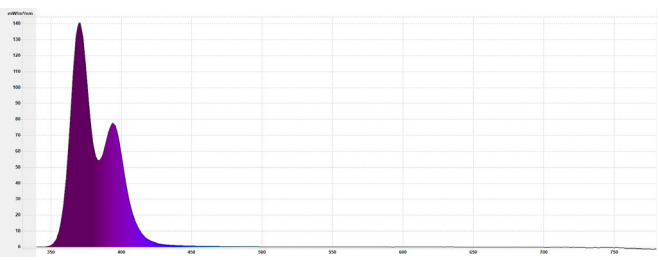
Spectrum DLS Color Viewing Light D50



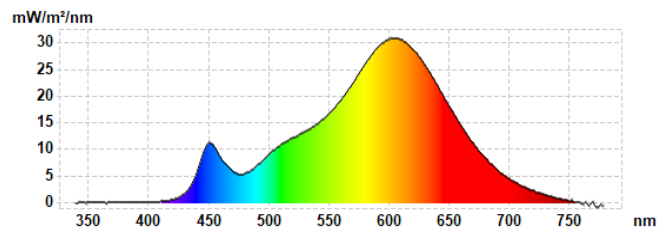
Spectrum DLS Color Viewing Light D65



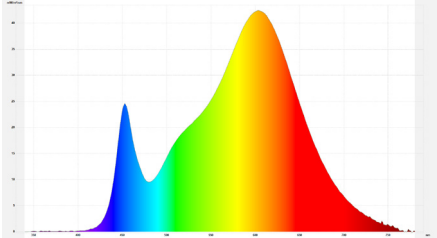
Spectrum UV-A (UV-Only)



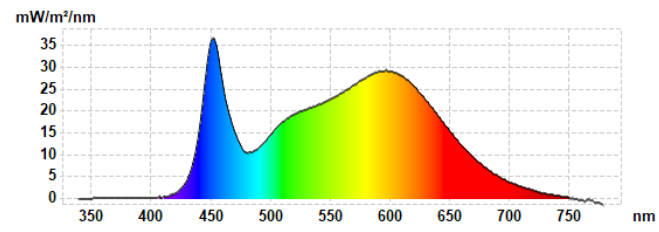
Spectrum DLS Color Viewing Light CIE B1



Spectrum DLS Color Viewing Light CIE B2



Spectrum DLS Color Viewing Light CIE B3



* Data for US version of the product



DLS Color Viewing Light v8 | XXL



LED-based viewing booth, standard light luminaires D50, D65, UV-A and 2 alternatives

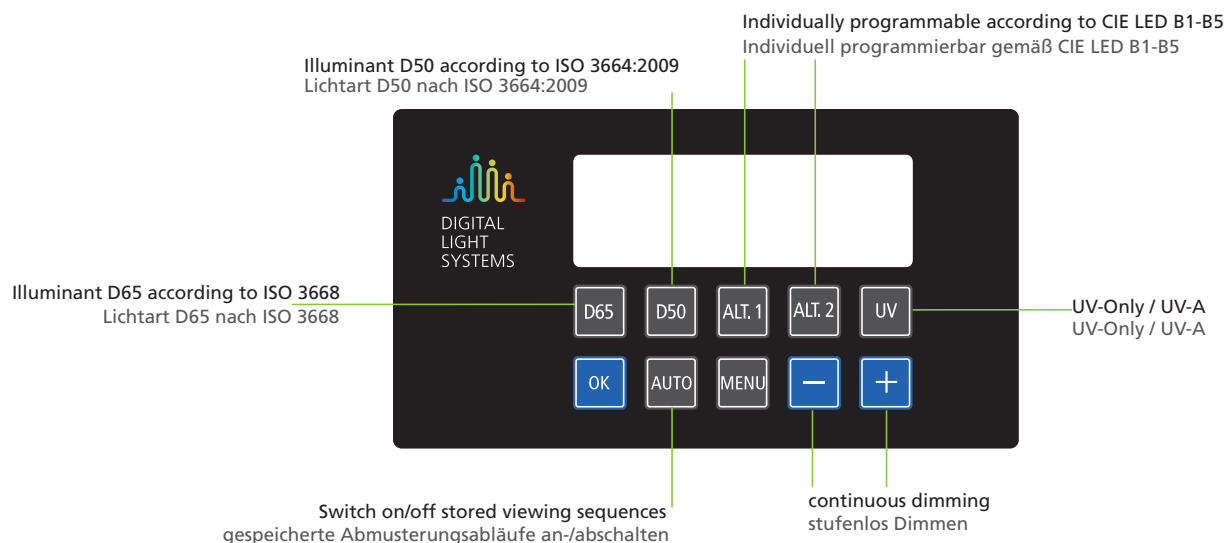


③ LED-based viewing booth

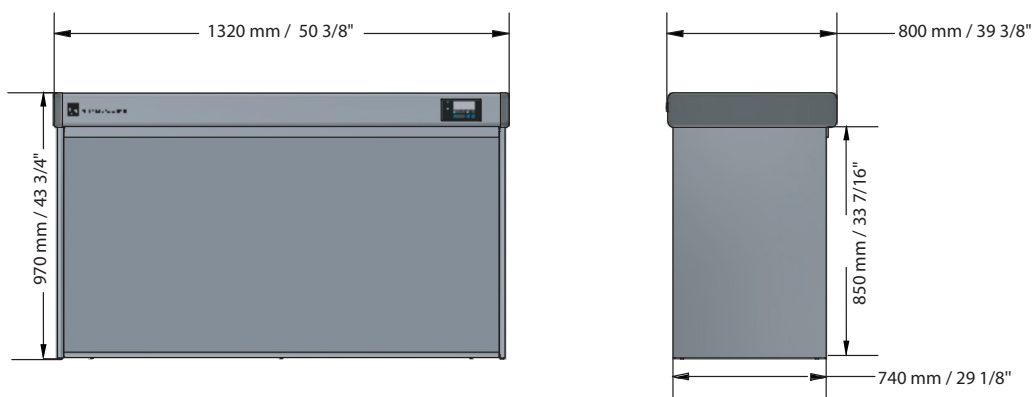
③ Article-No.: 203404 / 203405*

LED CONTROL

- ③ Easy and intuitive operation
- ③ External control optionally available (Art.-No. 203029)
- ③ ALT1 and ALT2 is pre-programmed according to the request
- ③ Mixed light function - several types of light can be selected simultaneously



DIMENSIONS



* Data for US version of the product

TECNICAL DATA

Electric data

Maximum electric power	320 W
Electrical operating power	300 W
Operating voltage	230 V / 110V*
Tension frequency	50 / 60 Hz
Connection cable	power cable, angle plug type 303 to IEC socket type 601 / NEMA 5-15P Male*
Maximum continuous current (continuous operation)	0,4 A / 0,8 A*
Operating mode	S1: Continuous operation
Expected lifetime (continuous operation)	>50.000 h

Photometric data and colormetric characteristics

Illuminant types	CIE D50 (5000 K) , CIE D65 (6500 K), UV-ONLY (UV-A), CIE B1-B5 (2733 - 6598 K / Ra=80)
Ra (Color Rendering Index) ø	>95
Metamerism Index (visible range)	≤ 0,8
Metamerism Index (UV-range)	≤ 0,6
Chromaticity error	<0,002
Chromaticity coordinate (10°)	D50: x = 0,3478 y = 0,3595 (≤ 0,002) D65: x = 0,3138 y = 0,3309 (≤ 0,002)
Dominant wavelength UV-ONLY	365 nm
Radiant power UV-ONLY	6 W
Risk assessment according to DIN-EN-62471	D65+UV / D50+UV: RG0 UV-ONLY: RG1

Mechanical data

Illumination area (WxD)	119 x 74 cm 46 7/8" x 29 1/8"*
Outside dimensions (WxHxD)	128x112,2x100,5 cm 50 3/8" x 44 1/16" x 39 9/16"*
Product weight	65kg 143.3 lbs
Housing	Aluminium
Lens	special prismatic lens, UV-transmissive
Protection class	IP 52
Permitted ambient temperature	0°C - 40°C / 32°F - 104°F

Environmental aspect (compared to conventional fluorescent lamps)

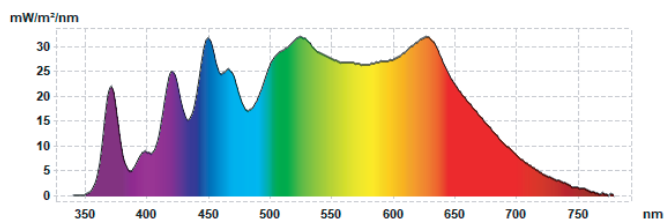
CO ₂ -savings	over 17 tons
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* Data for US version of the product

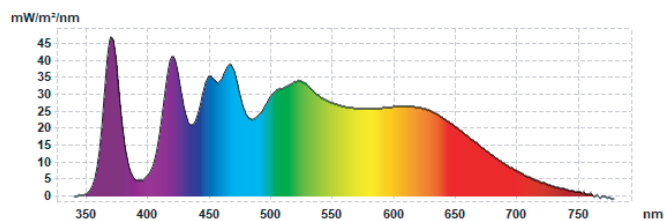


SPECTRES

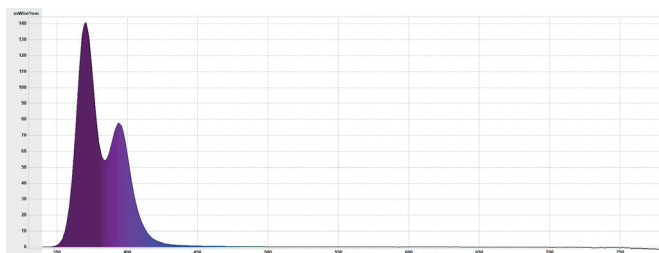
Spectrum DLS Color Viewing Light D50



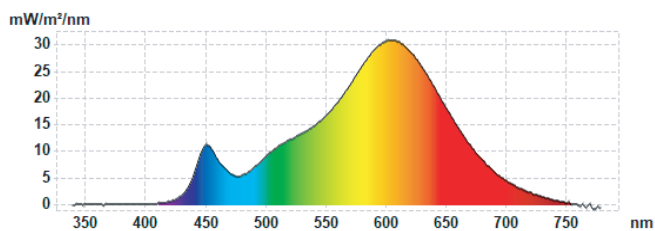
Spectrum DLS Color Viewing Light D65



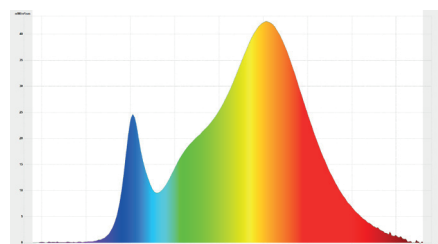
Spectrum UV-A (UV-Only)



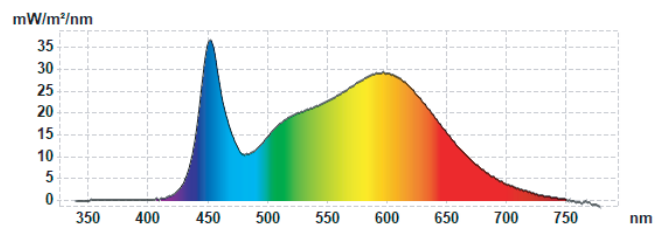
Spectrum DLS Color Viewing Light CIE B1



Spectrum DLS Color Viewing Light CIE B2



Spectrum DLS Color Viewing Light CIE B3



* Data for US version of the product

