



CHROMOPHARE® EXAM LIGHTING

Ideal color

With a color temperature of 4300K (closest to noon sunlight), CHROMOPHARE produces a neutral white light on the field for accurate color rendition and tissue differentiation.



User convenience

Bulb exchange is quick and tool-free.



Known for light:

BERCHTOLD's signature, multi-faceted, mirrored polygon reflector is responsible for delivering pure, high-intensity light to the examination and/or surgical field.



From BERCHOLD, the leaders in surgical lighting technology, comes the CHROMOPHARE® D 510 and D 300 our versatile minor procedure and exam lighting to meet your ER, trauma, lab and other exam specialty needs. With configurations including ceiling mounts, wall mounts and mobile floorstands, each light boasts the same color-correct, shadow-free illumination as our surgical lights but with a footprint better suited for emergency, laboratory and examination environments.

Illumination where and when you need it

Bright, focused and shadow free

A highly efficient double-optical, mirrored polygon reflector returns 98% of original illumination to the site delivering:

- an adjustable field diameter (optional) and intensity of 130,000 lux for D 510
- a fixed field diameter and intensity of 50,000 lux for D 300

Depth of field

Refocusing is unnecessary when changing table height as brighter, clearer light creates a working site with a depth of field (L1+L2) of:

- 125 cm for D 510
- 130 cm for D 300

Color correct

At 4300K, the patented CHROMOPHARE double filter color-correction system casts a neutral white light on the surgical field for accurate color rendition and tissue differentiation.

Precise positioning

Strong, yet easily repositionable offering maximum user convenience and flexibility when maneuvering the lighthouse to the desired position.

Wall mount

Ideal for laboratories and examination rooms where ceiling height is restricted; configured as:

- D 300-single or dual arm



Ceiling mount

Ideal for emergency or examination rooms; configured as:

- D 300-single or dual arm
- D 510-dual arm

Flexible

With ceiling mounting or tip-resistant mobile floorstands, D 510 (offered with our minor suspension) can be custom-configured (light with brightness control, field size adjustment, spare lamp with automatic switch-over – optional with 40 % or with 100 % intensity – or rail for easy handling) to perform various functions.

CHROMOPHARE D 510 and D 300 exam lights go where you need them. Their ultra-light, drift-free suspensions offer fingertip control for optimal light source positioning and superior maneuverability:

- 270° lighthouse rotation for D 300
- 360° lighthouse rotation for D 510



Floorstand

Ideal for environments where mobility is a priority; configured as:

- D 300
- D 510

Standard features	D 300	D 510
Color temperature	4300K	4300K
Intensity	50.000 Lux	130.000 Lux
Color rendering index	88	93
Light field diameter	140 mm	170 mm
Depth of illumination (L1+L2)	130 cm	125 cm
Radiant energy	4 mW / m ² lx	3,5 mW / m ² lx
Bulb	Halogen 12V / 50W	BRITe 22,8V / 150W
Lifetime of bulb	1000 h	1000 h

Optional features	D 300	D 510
Intensity control	no	65.000 - 130.000 Lux
Field size adjustment	no	170 - 280 mm
Rail	no	available
Backup lamp (40 % intensity)	no	available
Backup lamp (100 % intensity)	no	available
Second gimbal joint (classic cardanic suspension) 1	no	available
CCD-camera with fixed zoom (FZ)	no	available

CCD-camera with variable zoom (AFII) 2		no		available
Wall control 1,3		no		available
EndoLite 3,4		no		available

All lighting specifications $\pm 10\%$

1 Not available on mobile light

2 Only in combination with field size adjustment

3 Only in combination with brightness control

4 Only in combination with backup lamp