

betac[®]

Licht AG

Picture lights





Clarus[©]

01 A unique creation

This painting light was developed in 1978 by Horst Lettenmayer for „the Paintings House“ in Munich. In its extremely minimal design, the light output should only serve its original purpose. The continuous light band of this light is protected by an international patent regarding the contiguous sequence of individual light bulbs set in a light chain. The result: a warm curtain of light covers valuable paintings while leaving the art shine through it. Currently, the lamp is manually produced as originally designed, except that the bulb has fallen victim of the EU energy efficiency regulations. In the meantime, this lamp has become an art object itself. Indeed, it was awarded the art protection in 1987 by the OLG in Munich. The new bulb is a tightly-packed light band of warm white LED's set and sealed in an acrylic tube. The advantage: Only 15% of the current electricity consumption without any warning of the illuminated painting or object. The LED's have a long-living up to 50.000 hours. We remain committed to the further development of this lamp.

02 Specifications

- Lamp tube rotates 360°.
- Lamp tube diameter: 14 mm.
- Material: Brass.
- LED life: up to 50.000 hours.
- Light colour: warm white 3050 Kelvin.
- Light output: 500 lm / 0.5 m.
- Operating voltage: 110 V - 240 V.
- With optional dimming function.

03 Informations

The latest lightning technology is exemplified by LED bulbs. The constant, high light output with low power consumption and extreme durability provide the ideal conditions for professional lighting of pictures and paintings. This lamp is also suitable for lighting graphical representations such as posters, menus, maps, printed music, etc. There are eleven sizes available in nine colour finishes.

A particularly striking effect can be produced by rotating the tube inside the metal tube and thereby changing the light emission (mechanical dimming). As the light beam is reflected by the inner tube, the emitted light adopts its colour.



Individuality

The arms of the Clarus picture lamp are made of a 6mm brass tube wherein the power supply cables run. On the tapering end of the arm, the lamp is attached to the frame backside with two holding clamps. It is important to ensure that the lamp tube extends in a plane parallel to the picture frame edge. The following arm types are available:



Swing arm type 10 12 cm

This arm is optimally designed for pictures up to 60cm in height. Please ensure a minimum distance of 10cm exists between the lamp tube and the image surface. This is assuming the lamp is directly mounted on the picture frame backside.



Swing arm type 12 17 cm

For pictures beyond 60 cm in height without a frame. The arm type 12 is recommended to ensure proper illumination and form / colour rendition in brightly-coloured art prints and pictures.



Swing arm type 20 22 cm

For pictures beyond 60 cm in height without a frame. For paintings featuring primarily dark tones, it is essential to create the highest light density possible. The arm type 20 is optimal for magnificent, wide frames with great depth (baroque frames).



Coupling arm

As for each of the arm types above, you can use this arm to connect several light together.



Maximus®

01 Large area lighting

For lighting large paintings with heavy frames, a correspondingly larger picture lamp is required for optical compensation.

Our picture light „Maximus“, suitable for picture widths up to two meters, can be fitted as a single lamp. Alternatively, you can use coupling arms to arrange a number of lamps together. Since large pictures present correspondingly large picture heights, it is necessary to choose the widest light-emission angle possible to reach the picture underneath. Accordingly, this lamp comes in three different versions.

As before, this lamp features a series of 48W halogen light bulbs in a light tube housed in an aluminium reflector. If necessary, you may increase the light count for dark pictures. Of course, these lamps are dimmable. As tableau illumination, „Maximus“ is delivered with 16mm fluorescent lamps. This light type is especially appropriate for black and white pictures or wall illumination and last but not least the version with Power LED.

02 Specifications

- Lamp tube rotates 170°.
- Lamp tube diameter: 34 mm.
- Material: Brass.

- Halogen:
 - Life span: up to 1.000 hours.
 - Light colour: warm white 2700 Kelvin.
 - Light output: 600 lm / 1m.
 - Operating voltage: 110 V - 240 V.
 - With optional dimming function.

- Fluorescent:
 - Life span: up to 5.000 hours.
 - Light colour: warm white 830 Kelvin.
 - Light output: from 14 to 35 watts.
 - Operating voltage: 230 V / 50 Hz.

- Power LED:
 - Life span: up to 50.000 hours.
 - Light colour: warm white 3000 Kelvin.
 - Operating voltage: 110 V - 240 V.

03 Informations

The applications of this lamp include painting or tableau lighting but also restaurant lighting. Thus, while the outgoing light mainly falls on the associated object, its inevitable light scatter fills the room with a background brightness which is assumed unobserved for our wellbeing.

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Individuality

We have equipped the arm with 8mm brass tubes in proportion to the 34mm lamp tube diameter. Electric cables run inside each arm, being connected to ground and power at its lower end using a connecting terminal. This lamp should be mounted using the supplied mounting clamps on the picture backside so that the lamp tube runs parallel to the edge of the picture frame.



Swing arm type 15 20 cm

Given its light span, this arm is suitable for pictures up to 100cm in height.



Swing arm type 23 25 cm

Beyond 100 cm in height, a greater light angle becomes necessary hence this lamp recommendation.



Swing arm type 31 30 cm

The straight arrangement of this lamp makes it especially appropriate as top light on parapets or cornices. Move the arm as required to optically adjust the angle-depth of the lamp.



Swing arm type 43 10 cm

Stirrups for installation on furniture mirror or gallery walls. Bores \varnothing 18 mm. Hole spacing according to the lamp length. The lamp can be plugged using this holder.



Colours

01 Quality and Design

The components of all our picture lighting models are manufactured in our factory using the traditional metalworking craft. Craftsmanship permeates all steps in the process - from the selection of raw materials to processing to surface finishing. As a final touch, each component is applied its surface finish. Galvanic processes for medical instruments are conducted in the factory; all paints are hand applied and cured at 180°C. Timeless design should be also timeless in its durability.



Brass



Bronze



Chrome



Gold



Gold matt



Nickel



Black



White



Nickel matt



References

Interior designers and architects avail of their imagination to find the design market products which best contribute to the space atmosphere quality and requirements specified by the planner for the customer.

Whether in the hotel sector or in private housing, the ultimate goal is achieving harmony, regardless of whether the style is primarily classic or modern. Timeless design should be timeless in its durability.



STEINWAY & SONS



betec Luce sull'arte

Pro “Galerie” System

A

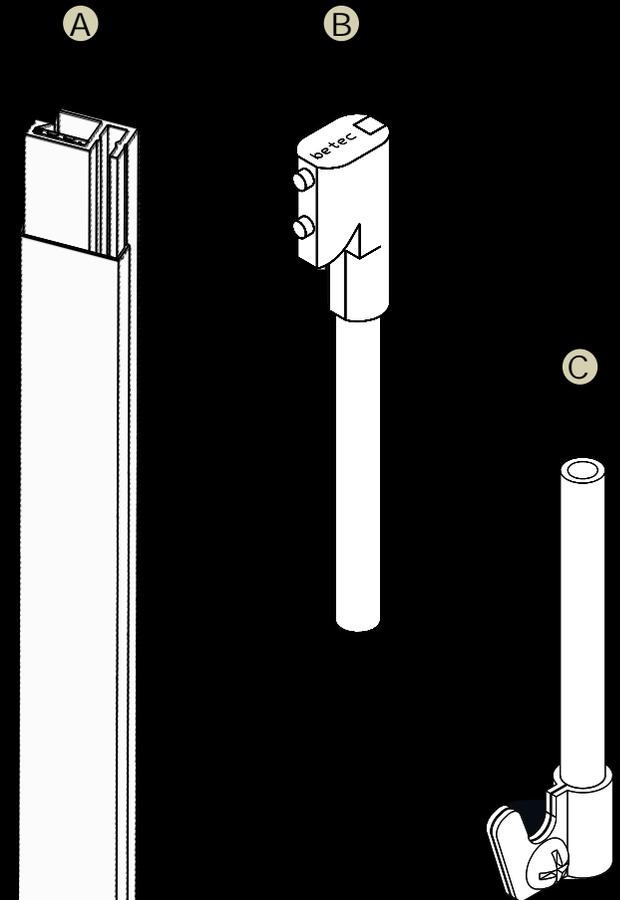
Busbar: 16 ampere connected load for high-voltage luminaries (110 - 230 V) as well as low-voltage lights (LED). As basic equipment mounted in the wall-ceiling joint around the room, it allows paintings to be hung at all heights and distances. At the same time, it carries the electricity needed to illuminate the painting. An anti-theft system can be also installed upon request. The mounted busbar is hidden by a plaster cornice. (on-site)

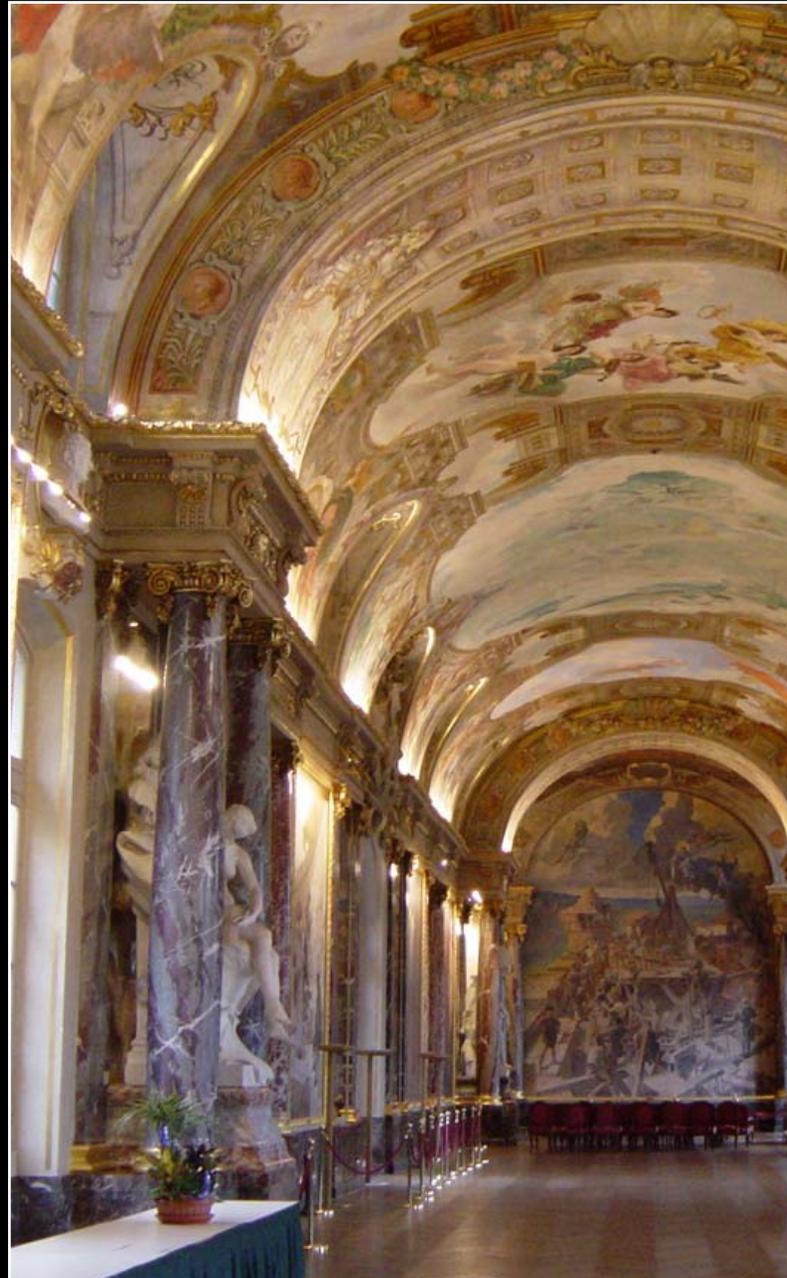
B

The suspension rods, made of 6 mm round-bar aluminium, are available in different lengths and colours. With a simple 90° turn they are locked into the busbar and electrically contacted. Each rod has a maximum load capacity of 20kg.

C

A height-adjustable picture hook is mounted at the bottom end of each suspension rod. This equipment allows you to individually decorate, illuminate and secure each vernissage. This would otherwise not be possible on walls with wood panelling or fabric covering.





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