

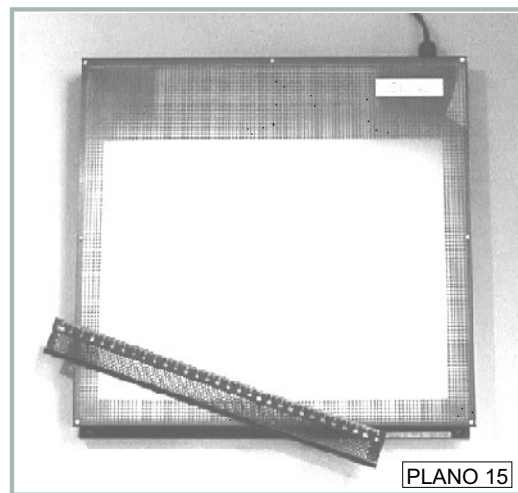
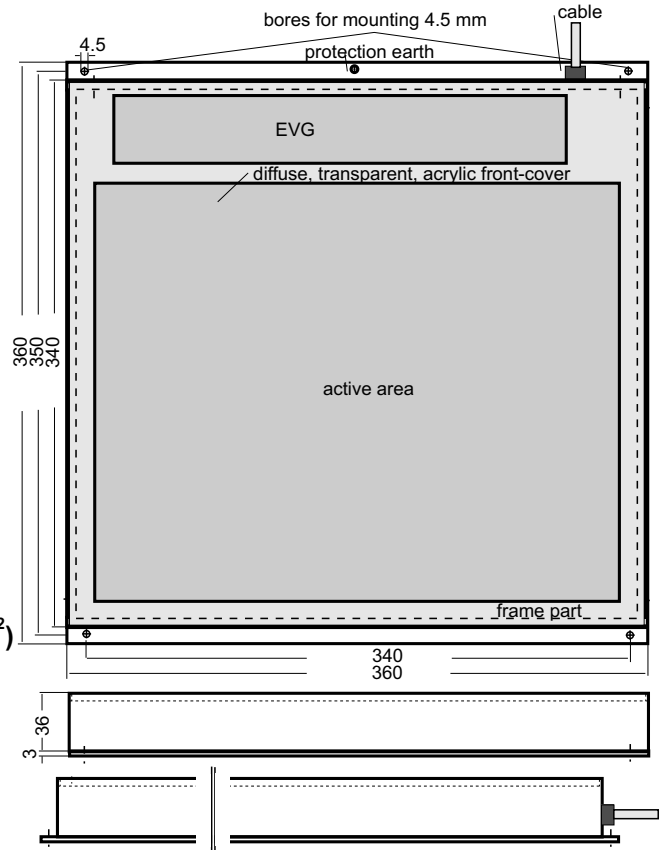
Professional Lighting Systems for Industrial Imaging

PLANO 15

the large-sized, flat, luminous lighting system for backlight as well as diffuse topight applications

PLANO 15 represents a new technology that involves flat, fluorescent lamps with a white spectrum combining long lifetime with high performance at a high level of homogeneity. The high-quality engineering is made for permanent industrial use. The construction of the case, consisting of milled alu frame parts with cooling ribs, is designed - together with all the other interior parts - to achieve an optimal heat deduction. The lamp is equipped with the matching parts for a 24VDC industrial voltage supply. An allround screened-off case, as well as the especially adjusted entrance filter for the integrated ballast, comply with all the established regulations for EMC. As a means of fluorescence a newly developed flat gas discharging lamp is employed, which permits a plane, homogeneous radiation of light and achieves an optimum of thermal coupling for efficient heat deduction.

- white spectrum
- high performance, high luminance (37W, 3500Cd/m²)
- milled, groined alu case for best possible heat deduction
- integrated ballast device for 24VDC voltage supply
- fully closed, screened case
- easy mounting by use of supplied bores
- full EMC confirmity
- arbitrarily often switchable
- high frequency ballast for image processing



Technical data:

case:	structural alu frame, all-round closed, screened, screwed, yellow chromated
size of base-plate:	360 x 360 mm
size of body:	340 x 360 x 36 mm
protection mode:	IP 54 (optional)
front cover:	acrylic 4 mm, type 010
voltage supply:	24VDC
cable:	1.5 m with open cores
starting current:	approx. 2.5 to 4.5 A
permanent current:	approx. 1.5 A
power consumption:	approx. 37 Watt
allowed duty time:	100 %
ballast operating frequency:	approx. 40 to 80 kHz
dimming factor (preset by supplier):	approx. 50 %
means of fluorescent:	plane lamp discharging gas, 15"
luminance (after passing diffusor):	approx. 3000 Cd/m ²
switchability of fluorescent material:	approx. 200 000
homogeneity of active light area:	approx. +/- 10 %
durability of fluorescent material:	approx. 50 000 to 100 000 h
CE / EMC :	DIN EN 61000-4
Order-No.	PL15-0001

Important Security Advice

The operation of this lighting system is only safe and permitted, when installed in a case earthed to a low amount of Ohm. The minus pole of the power supply and the protection earth may never be coupled! The lighting system has to be handled carefully and protected against strokes, as it contains glass components. It should be packed carefully and shipped only if correctly labelled as Glas.