## **Technical Information**

Edition: 05/2002 - subject to change Status: preliminary

## PLANON 15,0"/868

OSRAM PLANON®

#### **Technical Information for Systems:**

Lamp		Inverter/ECG
PLANON 15,0"/868 2	+	QT PLANON 15,0"/50/24 2
PLANON 15,0"/868 6	+	QT PLANON 15,0"/40/24 6

Diffuser Set

- + D PLANON 15,0"/A
- + D PLANON 15,0"/A

Explanations/Nomenclature:

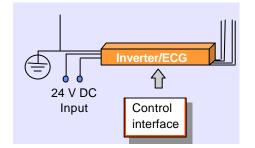
Lamp: PLANON lamp diagonal/colour code combinable ECG type(s) ECG: QT PLANON lamp diagonal/system power/supply voltage ECG type

#### Product Features PLANON®

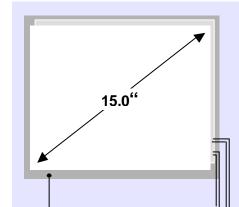
- flat, mercury free discharge lamp for extremely flat fixtures < 20 mm</li>
- lamp size not limited by physical constraints (5 inch to 30 inch)
- unique lighting power wide viewing and illumination angle constant luminance from centre to edge
- lamp with integrated reflector
- mercury free luminous flux not related to temperature (-30°C to +85°C) instant light with high luminance no ramp-on/ramp-off effects (power save mode) no hazardous waste
- extreme long lamp life, up to 100,000h (meantime to half brightness/MTTH) absence of damage susceptible electrodes much less severe darkening
- switching cycles show no influence on lifetime
- soft illumination with virtually no shadow
- dimmable down to 20%

#### Product Features QT PLANON

- designed for optimising PLANON<sup>®</sup> lamp performance
- suitable for applications in which lamps are switched on and off frequently
- reliable system start-up at low temperatures
- safe shutdown of the power supply to defective lamps
- electromagnetic compatibility
- dimming interface







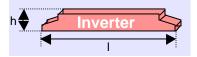
# **Technical Information**

### PLANON 15,0"/868

### **Technical Data**

w1 $w2$ $w2$ $w1$ $w1$ $w1$ $w2$ $w2$ $w2$ $w2$ $w2$ $w2$ $w2$ $w2$	— lamp — metal plate (thickness min. 1mm)
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PLANON 15,0"/868 6	PLANON 15,0"/868 2
324 mm x 258 mm x 8,5 mm	324 mm x 258 mm x 8,5 mm
308 mm x 232 mm	308 mm x 232 mm
950 g	975 g
Ra86	Ra86
6800 K	6800 K
4	4
420 mm	395 mm
plug	clamps
QT PLANON 15,0"/40/24 6	QT PLANON 15,0"/50/24 2
4400 cd/m <sup>2</sup>	5900 cd/m <sup>2</sup>
3700 cd/m <sup>2</sup>	5100 cd/m <sup>2</sup>
900 lm	1250 lm
40 W	56,4 W
1,67 A	2,35 A
7,9 cd/W	7,8 cd/W
50,000 h	50,000 h
50 cm	50 cm
	324 mm x 258 mm x 8,5 mm 308 mm x 232 mm 950 g Ra86 6800 K 4 420 mm plug <b>QT PLANON 15,0"/40/24 6</b> 4400 cd/m <sup>2</sup> 3700 cd/m <sup>2</sup> 900 lm 40 W 1,67 A 7,9 cd/W 50,000 h







	QT PLANON 15,0"/40/24 6	QT PLANON 15,0"/50/24 2
Linear dimming range	10020%	*10050%
Supply voltage	24V DC	24V DC
Voltage range	20V30V DC	20V30V DC
Operating frequency	4080 kHz	4080 kHz
Ambient temperature range ta	-20°C60°C, 80% RH	-2070°C; 80% RH
Control temperature tc max	tbd	tbd
Dimensions (I x w x h)	200 mm x 40 mm x 20 mm	280 mm x 42 mm x 29 mm
Weight	132 g	350 g

\*For making use of the dimming capability of this type a separate potentiometer is necessary.

Safety
Radio interference suppression
Immunity to interference

acc. to EN 60950 / EN 60950 (in preparation) acc. to EN 55022, Class B (in preparation) acc. to EN 55024 (in preparation)

