Technical Information

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GTL-OS-PL18

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Technical Information for PLANON Systems

Lamp Inverter/ECG

PLANON 18,1"/880 8 + QT PLANON 18,1"/80/24 8

Explanations/Nomenclature:

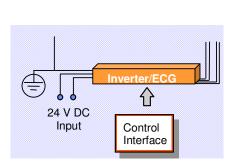
PLANON: 18,1" / 8 * / 80 ** / 8 Lamp Diagonal / Color Rendering Index Code / Correlated Color Temperature / Inverter Type ECG: QT PLANON 18,1" / 80 / 24 / 8 Lamp Diagonal / System Power / Supply Voltage / ECG type (*) 8 = Color Rendering Index between 80 and 90 (**) 80 = 8,000 K

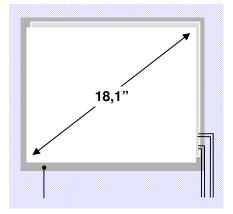
Product Features PLANON

- Flat mercury-free discharge lamp ≤ 10 mm
- Homogeneous lamp brightness
- Mercury-free technology
 Virtually constant light output in temperature range 30 °C to + 85 °C
 Instant On (No warm-up time)
 Environmentally friendly product (no mercury)
- Extremely long lamp service life of up to 100,000 hours MTTH (Mean Time To Half Brightness)
 50 % of initial luminance
- Lamp life not influenced by switching cycle
- Dimming ratio 1:5 (20 % of nominal power)
- High brightness (luminance)
- Uniform light distribution
- Instant light

Product Features QT PLANON

- Reliable operation even at low temperatures
- Dimming interface







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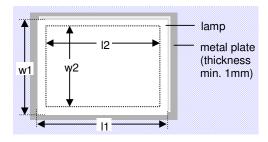
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	DI 411011 40 411/000 0
	PLANON 18,1"/880 8
Outer dimensions (I1 x w1 x h) (mm)	384 x 317 x 8.5
Illuminated area (I2 x w2) (mm)	364 x 292
Weight (g) (approx.)	1350
Color rendering index CRI (approx.)	86
Oranglated Orleads government (IO) (No going LV)	0.000
Correlated Color temperature (K) (Nominal Value)	8,000
Lamp Service Life of up to (hours) (MTTH) 1)	100,000
Cable length (mm) (approx.)	400
Connection between lamp and inverter/ECG	Cable with connector
Matched with inverter / ECG	QT PLANON 18,1"/80/24 8 3)
Center luminance (cd/m²)	5,600
System power W) (nominal value)	80
Inverter MTRF 2) (hours)	100 000



	QT PLANON 18,1"/80/24 8 3)
Dimming range (PWM) 4)	10020%
Supply voltage	24V DC
Supply voltage range	20V30V DC
Operating frequency	4080 kHz
Permissible ambient temperature range	-20°C+60°C (80% RH)
Dimensions (I x w x h) (mm)	200 x 75 x 20
Weight (g) (approx.)	280

Maximum distance between lamp and ECG (mm)





500

¹⁾ Mean Time To Half Brightness ²⁾ Mean Time Between Failures in accordance with SN 29500 ³⁾ Inverter meets standard UL/EC 60950

⁴⁾ PWM = Pulse Width Modulation