

PACEL ELECTRONICS LTD.

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TECHNICAL SPECIFICATION

Pacel P6 EL Inverter

PACEL EL INVERTER TYPE P6

This Inverter is a versatile general purpose device that will drive EL Panels up to approximately 400 sq.cm.

There are two input options:-

Pin 1*

A 3-10 volt input can be applied to this pin, which gives a nearly linear response in luminance from the EL Panel.

Pin 2

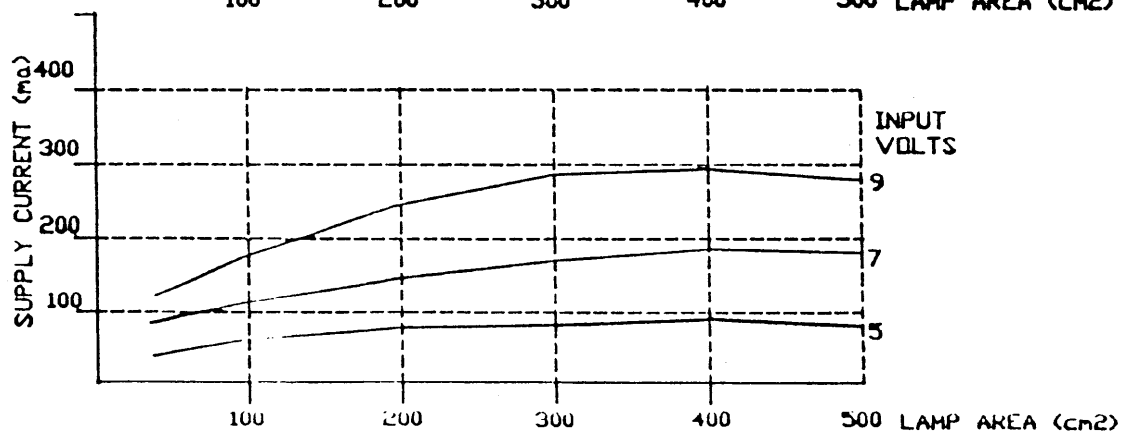
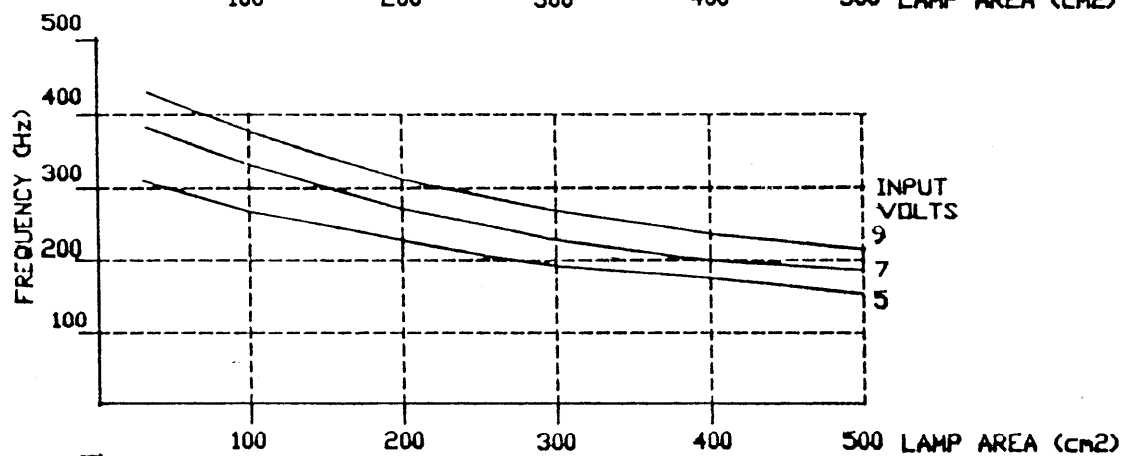
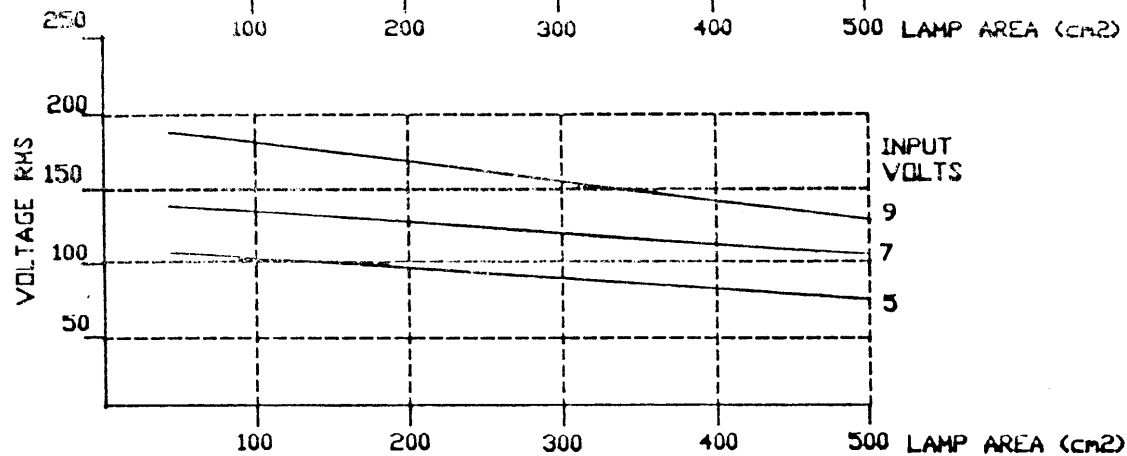
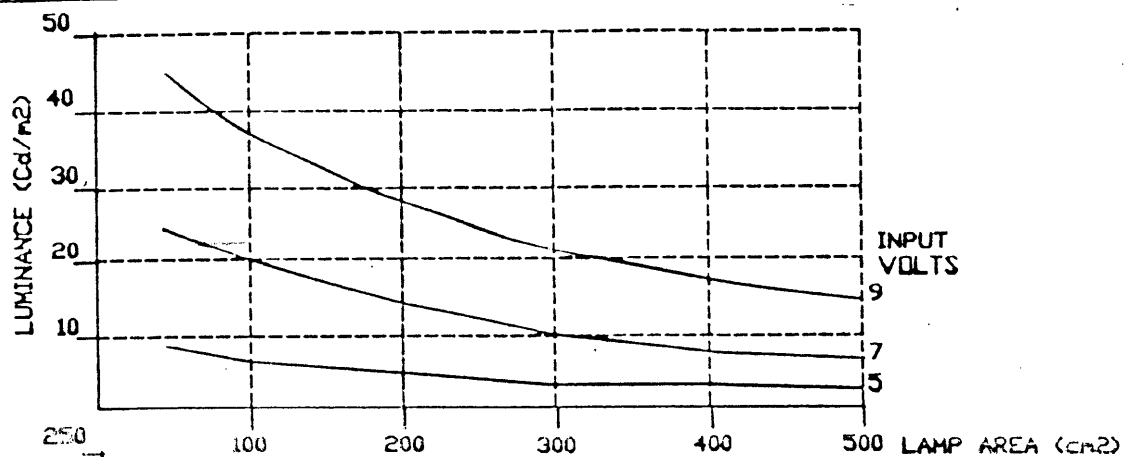
An 8-24 volt input can be applied to this pin, which is internally regulated to give an approximate voltage of 7.5 volts to the inverter.

Output from the Inverter - Pins 4&5.

Depending upon the impedance presented to the inverter from the EL panel, the output voltage will vary from 50v to approximately 200v at 200-500Hz depending upon the input voltage applied to pin 1 or pin 2

N.B. The following performance characteristics have been obtained with Pacel EL Panels as the load. EL Panels from other manufacturers are likely to present the inverter with a different impedance and hence the performance may vary.

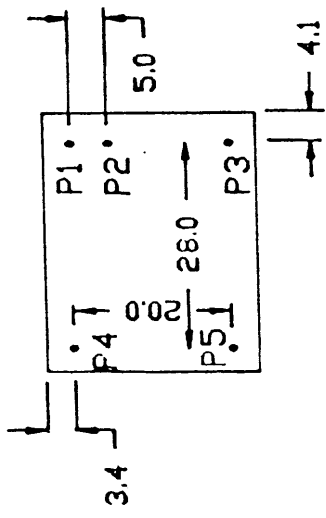
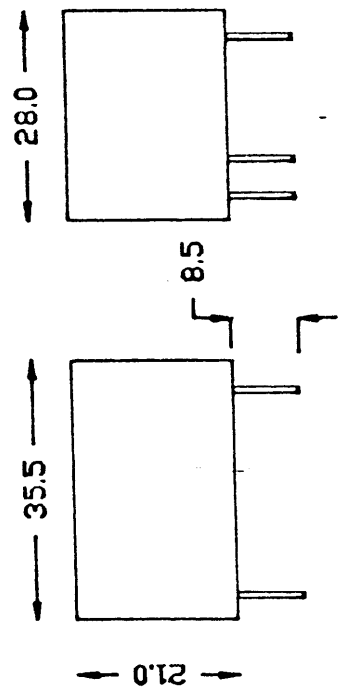
PACEL P6 INVERTER - TYPICAL PERFORMANCE CHARACTERISTICS



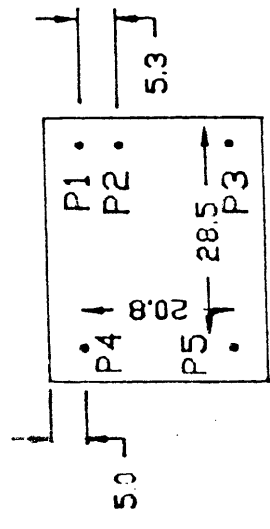
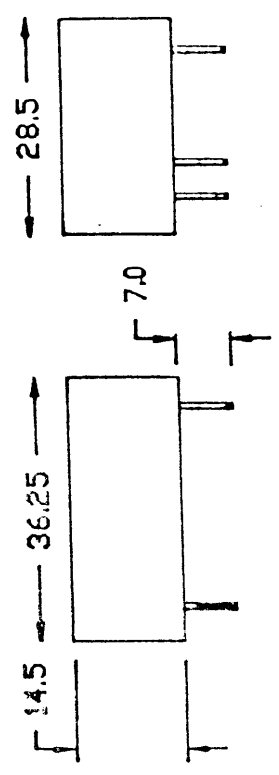
DWG. P0475



PACEL P6 EL INVERTER - STANDARD AND LOW PROFILE VERSIONS



STANDARD



LOW PROFILE

- KEY:
 P1 - 3-10v dc
 P2 - 8-24v dc REGULATED SUPPLY
 P3 - COMMON
 P4&P5 - AC OUTPUT

FOR ELECTRICAL CHARACTERISTICS SEE
 PACEL PUBLICATION PEDG100-3
 'A COMPLETE DESIGN GUIDE TO
 ELECTROLUMINESCENCE'

DATE	ISS	REV	CHK	APP

1 VOLT: V1, PACE P45 300
 TEL 622-676616

PACEL ELECTRONICS LTD

DESIGNED BY: []
 DRAWN: []
 CHECKED: []
 SCALE: []
 TOL: []

DWG. No P0475