

**MECHANICAL DATA**

<b>CASE DIMENSIONS</b> (excluding brackets)	W1646mm x H330mm x D33mm
<b>DISPLAY VIEWING AREA</b>	W1626mm x H249mm
<b>CASE CONSTRUCTION</b>	Aluminium, textured matt black powder coated finish
<b>WEIGHT</b>	5.8kg
<b>CABLE EXIT POINTS</b> (as viewed from back)	Rear panel, top left*, top right, bottom left*, bottom right

\*Available for ITxPT

**DISPLAY DATA**

<b>MAXIMUM CHARACTER HEIGHT</b>	249mm
<b>BRIGHTNESS</b>	3500 cd/m <sup>2</sup>
<b>TEXT FORMAT</b>	Static, paging or scrolling, 1 or 2 lines
<b>FONT OPTIONS</b>	Hanover fonts as supplied with HELEN programming software plus Windows™ fonts
<b>DISPLAY TECHNOLOGY</b>	High visibility LEDs (with integrated ambient light sensor)
<b>COMMUNICATION INTERFACES</b>	RS485 (standard), RS232, IBIS, J1708, Ethernet (via controller), Ethernet M12 connector (ITxPT)

**LED SPECIFICATION**

<b>LIFETIME</b>	Approx. 100,000 hours dependent on temperature and current
<b>SIZE AND TYPE</b>	PLCC-2 SMT package W2.8mm x H3.5mm x D1.9mm
<b>DOMINANT COLOUR WAVELENGTH</b>	Amber 588 - 594nm (typically 591nm)
<b>PITCH</b>	Horizontal 10.2mm / vertical 13.3mm
<b>VIEWING ANGLE</b> (horizontal)	120°

**ELECTRICAL DATA**

<b>OPERATING VOLTAGE</b>	24Vdc nominal (18-32V) / 12Vdc nominal (10-32V)
<b>NORMAL POWER CONSUMPTION</b> (33% LEDs lit at 50% brightness)	24 watts (1.01A with 24V input and 2.02A with 12V input)
<b>MAXIMUM POWER CONSUMPTION</b> (all LEDs lit at 100% brightness)	75 watts (3.12A with 24V input and 6.24A with 12V input)
<b>ELECTRICAL PROTECTION</b>	Anti-surge, reverse polarity
<b>DISPLAY PROCESSOR FUSE RATING</b>	5A quick blow

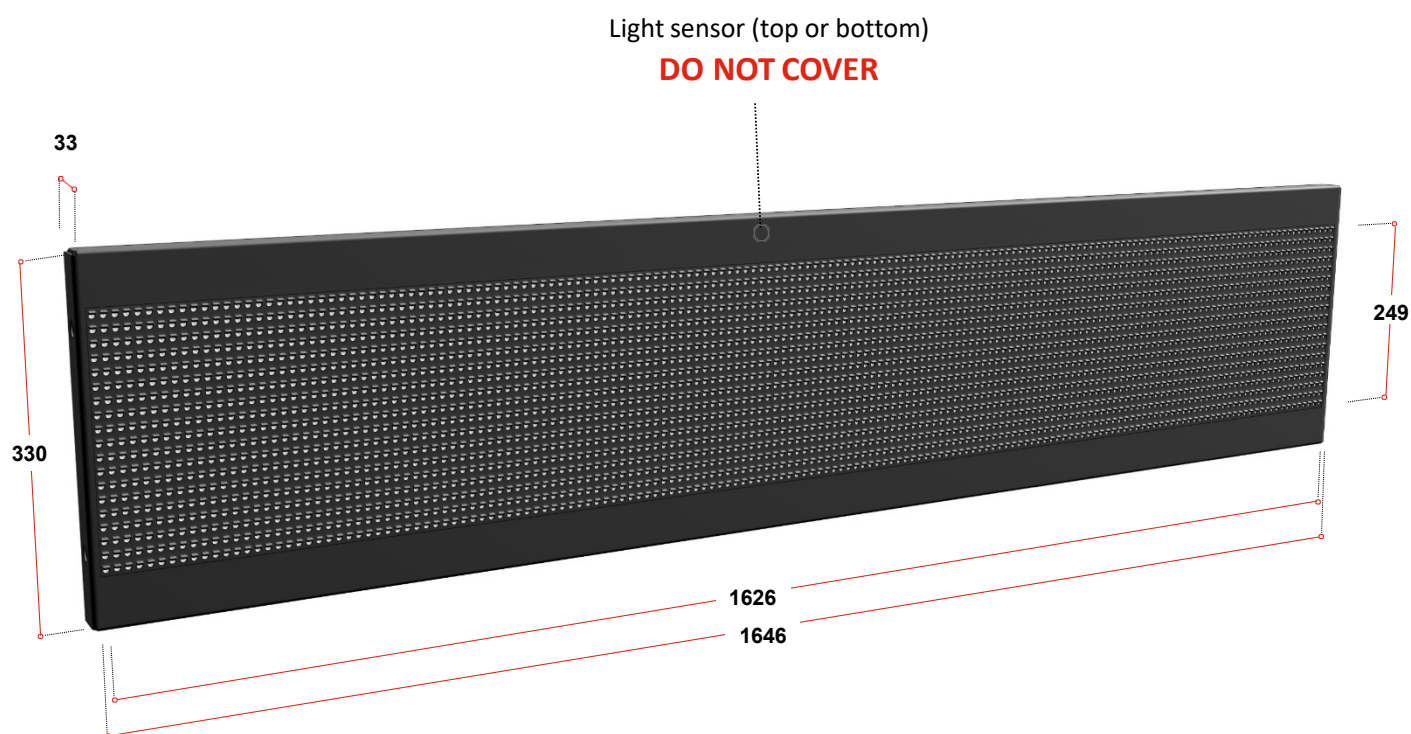
**OPERATIONAL DATA**

<b>TEMPERATURE RANGE (STORAGE)</b>	-20°C to +70°C (-40°C to +80°C)
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Hanover Displays LED signs meet United Nations Automotive EMC Directive ECE R10 as amended. Certificate No. E11\*10R06/01\*10973\*01.

Hanover Displays LED signs meet United Nations Automotive Burning Behaviour Directive ECE R118. Certificate No. E1\*118R03/01\*0283\*00.

Equality Act 2010 &amp; PSV Accessibility Regulations compliant. Details subject to change.



MEASUREMENTS	WIDTH (mm)	HEIGHT (mm)	DEPTH (mm)
CASE DIMENSIONS (excluding brackets)	1646	330	33
DISPLAY VIEWING AREA	1626	249	

MECHANICAL DATA	
CASE CONSTRUCTION	Aluminium, textured matt black powder coated finish
WEIGHT	5.8kg
CABLE EXIT POINTS (as viewed from back)	Rear panel, top left*, top right, bottom left*, bottom right <span>*Available for ITxPT</span>