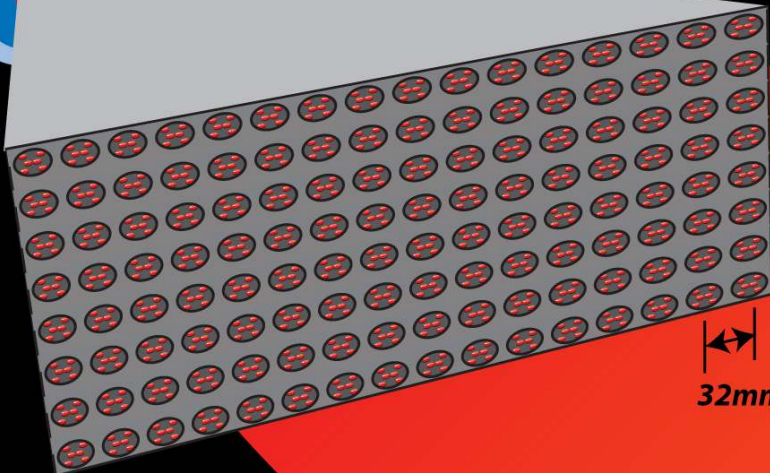
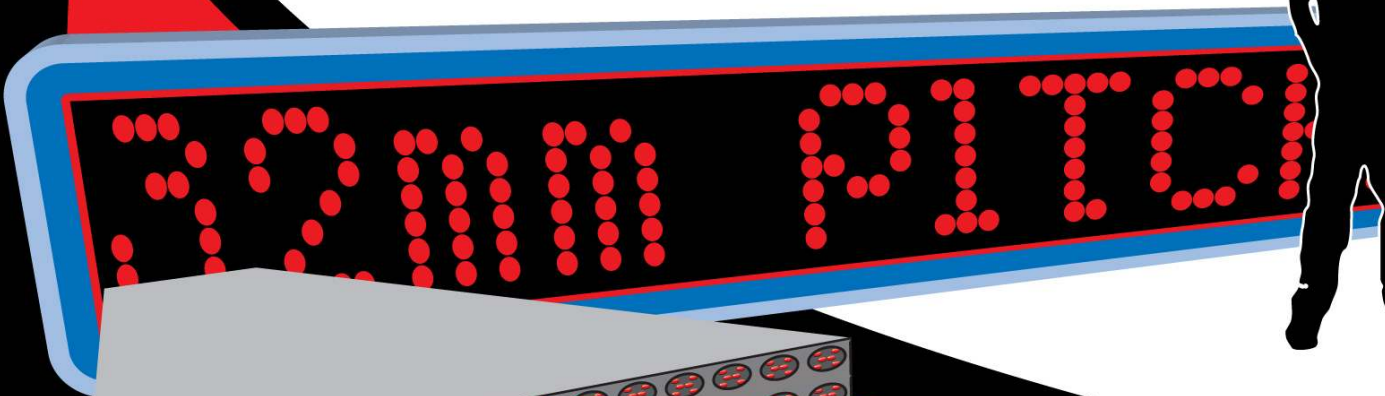
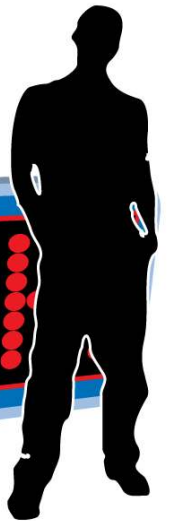




PolyComp

LEADERS IN LED DISPLAYS

32mm Pitch **DISPLAYS**
PRODUCT OVERVIEW



32mm

GENERAL OVERVIEW

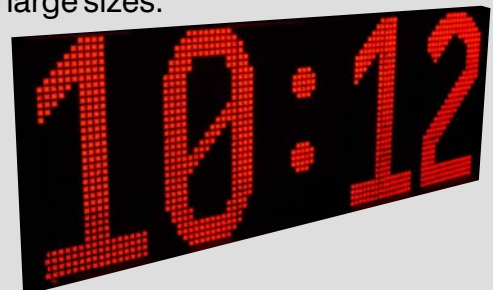
New 32mm Pitch text and Graphic Display



PolyComps 32mm pitch text and graphic display is a new approach to outdoor large LED displays.

In the past, large outdoor displays created a problem when used with front perspex.

- The perspex tends to buckle or crack as well as it is heavy when fitted on a hinged door.
- Servicing the front Could sometimes be difficult.
- As well as shipping and erection was complicated due to the large sizes.



Many different types of configurations are possible
To suit client's unique needs.

Contact us to discuss your unique requirements.

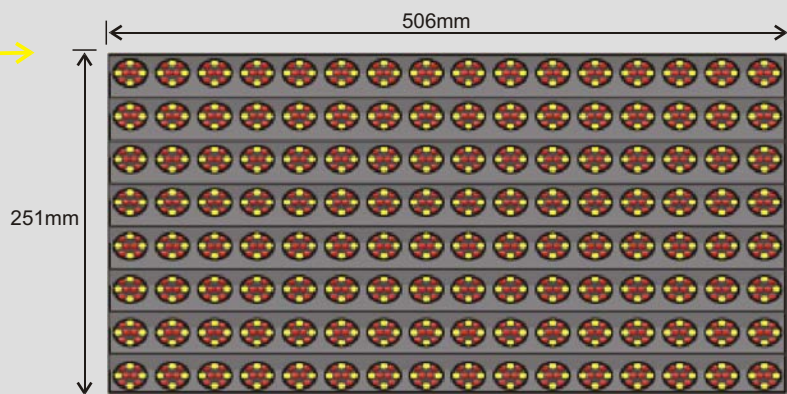
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We are the suppliers of choice to most European, African and Asian Markets.

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Tel: +27 11 608-2770 Email: admin@polycomp.co.za
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GENERAL OVERVIEW

New 32mm Pitch text and Graphic Display



SUB MODULE



PolyComps 32mm pitch text and graphic display is a new approach to outdoor large LED displays.

In the past, large outdoor displays created a problem when used with front perspex. The perspex tends to buckle or crack as well as it is heavy when fitted on a hinged door. Servicing the front could sometimes be difficult. As well as shipping and erection was complicated due to the large sizes.

The new 32mm version **DOES NOT USE PERSPEX.**

It uses a plastic extrusion as shown in the picture above.

The PC board is placed between a plastic holding "tray", and a top plastic cover, thus creating a "**Sub-Module**"

This **Sub-Module** has a resolution of 16x8 clusters.

The following options are available:

- Mono Colour
- 3 Colour - Red Green Yellow
- 6x Red LED's per Pixel
- 6x Red & 4x Pure Green LEDs per colour

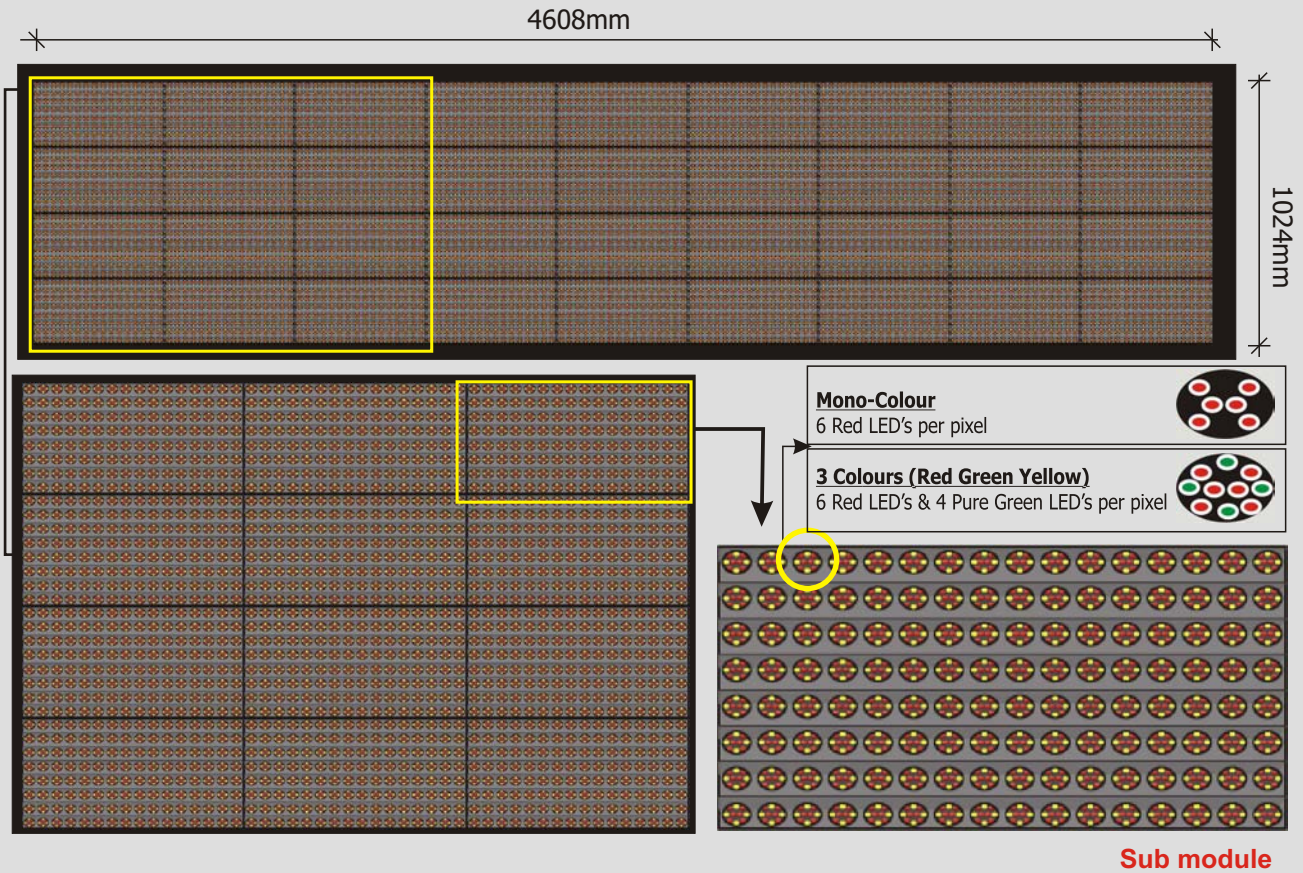
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GENERAL OVERVIEW

The **Sub-Modules** are arranged in a matrix format to create a complete **Module** according to the specific example:



Resolution - 144 pixels x 32 pixels

Characters per line - 24
Lines - 4
Character height - 250mm



Characters per line - 12
Lines - 2
Character height - 500mm



Characters per line - 6
Lines - 1
Character height - 1000mm



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FUNCTIONALITY & TECHNICAL INFO

This display acts exactly as any 4 line display (GTXCW), including all functions that the other displays have.

OPTIONAL

Graphic Images can be displayed as well as simple animations.

TECHNICAL INFORMATION:

Sub Module - 512mm x 256mm
Cluster - 6x Red LED's and 4x Green LED's
Plastic Holding Tray
Power Connection
2x Data and Address Connections (one in and one out).

Different configurations and sizes available by request

APPLICATIONS:

- Large Indoor / Outdoor text displays.
- Scoreboards
- Safety and Environmental Display for Factories & Plants
- VMS for traffic Control
- Promotional
- General Advertising

ELECTRICAL SPECIFICATIONS:

Pixel Pitch
- Horizontal - 32mm
- Vertical - 32mm
Resolution
- Horizontal - 16 pixels
- Vertical - 8 pixels
Number of LED's per Pixel
- Red - 6
- Green - 4
Luminous Intensity
- Red - 1.2 cd
- Green - 1.8 cd
Viewing angle
- Red - 120° / 40°
- Green - 120° / 40°

LED's TECHNICAL SPECIFICATIONS

COLOUR	EV (mCD) LUMINOSITY	ANGLE	LED'S/PIXEL			
			6	6	4	4
RED	1200	120/40	6	6	4	4
GREEN	2200	120/40	4	0	2	0

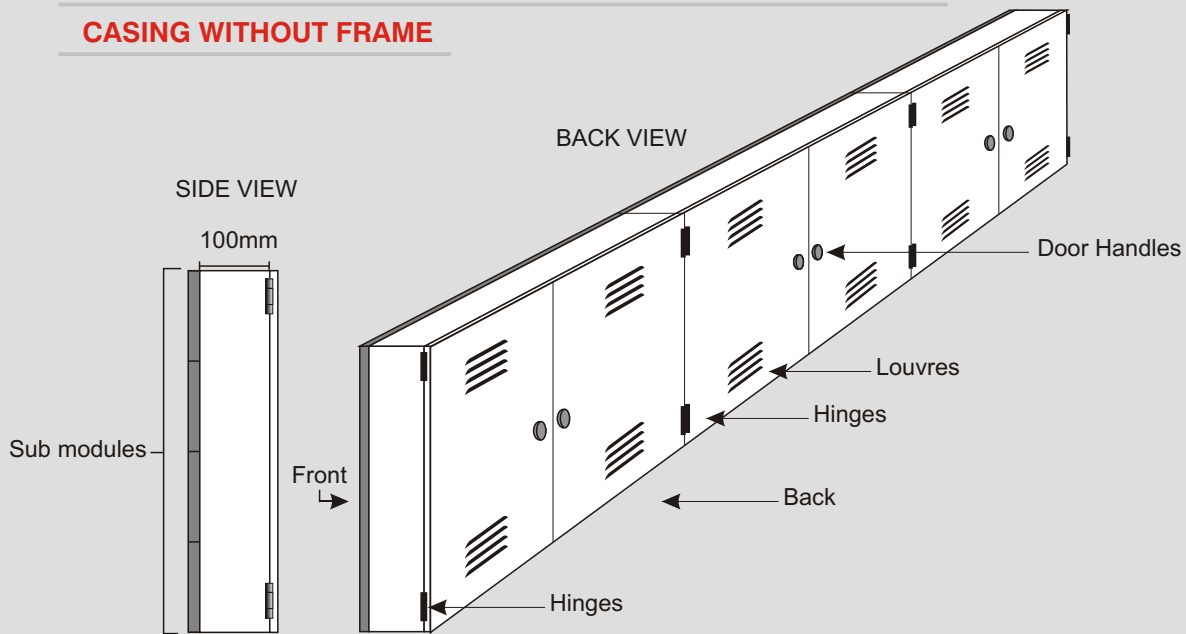
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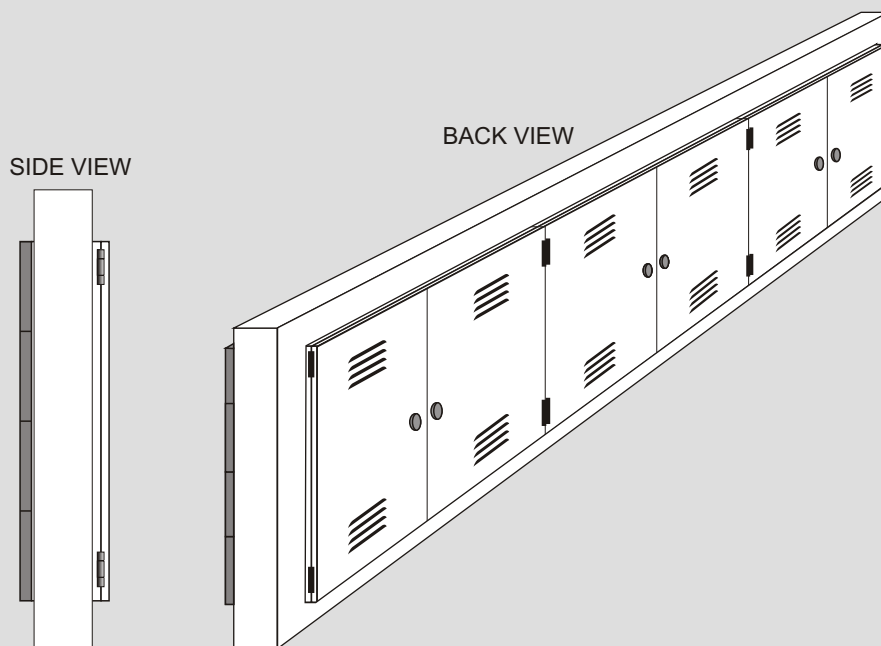
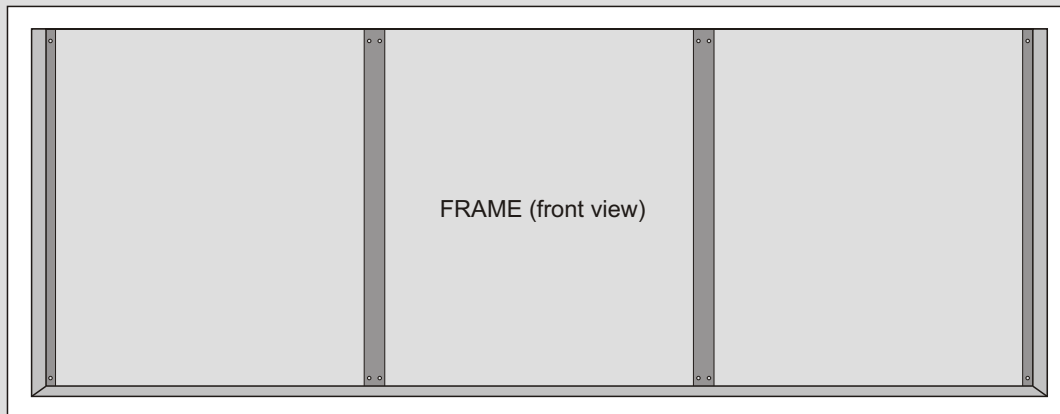


CASING AND FRAME

CASING WITHOUT FRAME



CASING INSIDE FRAME



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COMPLETE COMMUNICATION FLEXIBILITY

PolyComp Alphanumeric LED Displays are easily programmable with various methods of operation to suit almost any application:

- **RS232 or RS485** This is suitable for single display applications with short cable lengths. This is connected directly to the PC's serial communication port. There is a maximum of 50 meters of cabling between the PC and display.
- **RS485** This is suitable for use in connecting many signs together on the same cable with no conflicts in electrically noisy environments. This unit is connected to the PC's serial communication port via a RS232 to RS485 converter
- **TCP/IP Networking (LAN)** This is suitable for use where there is an existing network infrastructure in place. This is connected directly into a TCP/IP network and assigned it's own IP address. Once set up, you can send messages to the display over the Internet from anywhere in the world.
- **Dial-up Modem** This is suitable for use where there is an existing telephone line and other communication options are unsuitable. This is connected directly to a modem that answers incoming calls from the PC operator, and will disconnect after the message has been sent.
- **USB Adapter** For use in computer systems where RS232 ports are unavailable or absent.

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Polycomp text and graphics display is now in graphics

