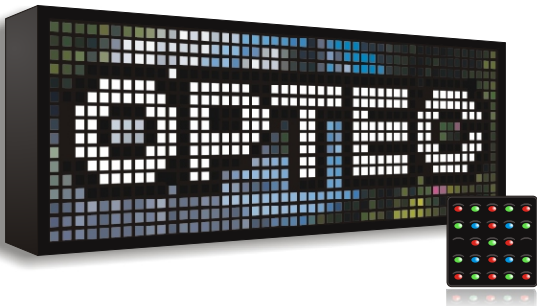


# Impact CT 89mm RGB Message Display



**Reference Model**  
 2'-3" x 5'-10"  
 16 x 48 resolution

The Impact CT RGB 256 Series combines the simplicity of electronic message centers with the attention-grabbing power of full color video displays. The all new Iris software package allows users to program simple text messages over full color RGB 256 animated backgrounds and graphic illustrations. This is the perfect display for customers who want an easy to program full color display that's affordable for any budget.

The 89mm pixel pitch display is designed for text messages or long viewing distances. Applications include commercial, civic, educational, religious, industrial and directional/wayfinding.

Available in resolutions up to 32 x 256.

## Specifications

Color Processing Capability.....	65K colors, 256 color palette
Viewability.....	140 degrees horizontal
Graphic Capability.....	Multiple fonts, logos & GIF animations
Control Software.....	Iris software suite
Display Dimming.....	100 levels
Animation Frame Rate.....	30 frames per second
Display Frame Rate.....	60 frames per second
Display Refresh Rate.....	300 frames per second
Voltage.....	110 / 220 AC, 50 / 60Hz
Average LED Life.....	100,000 hrs
Service Access.....	Front
Cabinet Construction.....	Aluminum (corrosion resistant)
Weatherproofing (Front/Rear).....	IP65 / IP54
Manufacturing Quality Standard.....	ISO 9001
UL Listed.....	ETL / UL48
Product Warranty.....	5 year parts & factory labor

## Optec Advantages

- ✦ **Full color performance, high quality, competitive pricing**
- ✦ **Includes professionally designed animation & background library**
- ✦ **Superbright LEDs bin selected for consistency in wavelength and brightness**
- ✦ **Waterproof IP65 rated corrosion resistant aluminum enclosures**
- ✦ **Automatic brightness adjustment for optimum visibility and efficiency**
- ✦ **ISO:9001 manufacturing quality standards**
- ✦ **Easy to use control software**
- ✦ **5 Year warranty standard**

Model CT-89-RGB (89mm Pitch)



**Model Specifications**

Physical Pitch	89mm
LEDs / Pixel	(23) 10R-9G-4B
LED Density	2,904 LEDs/M <sup>2</sup>
Calibrated Brightness	5,000 NITs
Module Matrix	8(h) x 8(w)
Max.watts / Pixel	2.843w
Min Character Height	24.5"

**Communications**

- Wireless Ethernet
- RS 485
- Fiber Optic Modem
- DSL / Cable Internet
- Dial-Up Modem

Minimum Viewing Distance = 178'

Diode Density - 270 LEDs / sq. ft.

Iris Software Suite



Cabinet Width (ft.)	5.2	7.6	9.9	12.3	14.6	17.0	19.4	21.7	24.1	26.5	28.8	31.2	33.5	35.9	38.3
Pixel Width	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256

Cabinet Height (ft.)	Pixel Height	Matrix / Dimension Calculator
1.7	8	Use this chart to convert display dimensions (cabinet height & width) to pixel matrix values.  Example : 2.8' x 19.4' = 16 x 128 Matrix
2.8	16	
4.0	24	Watts / Pixel = 2.843 Calculating watts per face = Pixel height x pixel width x watts per pixel (For the display example above - 16 x 128 x 2.843 = 5,822.46 watts per face)
5.2	32	

**Standard Presentation Modes**



Text Only with Transitions



Text and Animated or Static Graphics



Animated or Static Graphics

\* All product specifications subject to change without notice.