

The Boulder Series pairs BlackFire contrast with SilkStream 384Hz full-panel refresh. It accepts video input up to 120Hz and uses 15,360Hz per-pixel refresh through a 1/40 scan architecture for additional panel-side timing headroom. Built for sports, cinema, gaming, and live action.

SILKSTREAM

384Hz full-panel refresh with 120Hz maximum video input.
15,360Hz per-pixel refresh through a 1/40 scan architecture.

P0.9

0.9375mm pixel pitch
640 × 360 per cabinet

BLACKFIRE **SILKSTREAM**

384Hz

FULL-PANEL REFRESH

120Hz

MAXIMUM VIDEO INPUT

15,360Hz

PER-PIXEL REFRESH

1,000

NITS BRIGHTNESS

100K:1

CONTRAST RATIO

4kg

PER PANEL

TECHNICAL SPECIFICATIONS

PARAMETER	BOULDER P0.9
PIXEL PITCH	0.9375mm
CABINET SIZE	600 × 337.5 × 39.75mm
CABINET RESOLUTION	640 × 360 dots
MODULE SIZE	150 × 168.75mm (8 modules/cabinet)
BRIGHTNESS	1,000 nits
MAX POWER CONSUMPTION	91W / cabinet
ESTIMATED TYPICAL THERMAL LOAD*	124–155 BTU/h / cabinet · 57–71 BTU/h/ft ²
MAXIMUM THERMAL LOAD*	311 BTU/h / cabinet · 142 BTU/h/ft ²
MAXIMUM VIDEO INPUT	4K120 via HDMI 2.1; up to 120Hz
FULL-PANEL REFRESH	384Hz (SilkStream)
PER-PIXEL REFRESH	15,360Hz
SCAN ARCHITECTURE	1/40
CONTRAST RATIO	100,000:1
GRayscale	Extended
DISPLAY TECHNOLOGY	BlackFire + SilkStream
POWER SUPPLY	3.8V / 30A
MAINTENANCE	100% Front Access — Magnetic Modules
SURFACE PROTECTION	Dustproof, moisture-proof, 4H hardness, scrubbable

*Planning estimate at 40–50% of rated maximum; actual load varies with brightness and content. *Display cabinets only. Use maximum for HVAC sizing unless project-specific measured data is approved. External processing and rack equipment are excluded.

KEY FEATURES

- SilkStream 384Hz full-panel refresh for sports and fast action
- 15,360Hz per-pixel refresh with 1/40 scan architecture
- BlackFire low-glare surface for deep blacks and controlled reflections
- Front-serviceable magnetic modules for tool-free maintenance
- 120Hz maximum video input supports premium 4K120 sources
- 1,000 nits brightness for vibrant, high-impact visuals
- Multi-level calibration for pixel-perfect uniformity

APPLICATIONS

SPORTS VIEWING

HOME CINEMA

LIVE EVENTS

BROADCAST

PREMIUM RESIDENTIAL