

PowerLite® 770F 1080p 3LCD Ultra Short Throw Lamp-Free Laser Display



Product shown with mount, sold separately.

Projectors

Education

The large, easy-to-read HD display for dynamic classroom environments.

Best-in-Class Color Brightness¹ with 3-chip 3LCD technology — 4,100 lumens of color and white brightness²

Incredible image quality — Full HD 1080p resolution for amazing clarity and readability

No lamps to replace ever — solid-state, 20,000-hour, virtually maintenance-free laser light source³

Convenient ultra short throw design — displays large true-to-life images up to 150" from less than two feet away

Flexible display — 16:9 display with additional support for ultra wide 16:6 and 21:9 format is ideal for large, multi-device, split screen images⁴

Connect and cast from up to 50 devices⁵ — free downloadable Epson iProjection™ software makes it easy to cast wirelessly from Chromebooks, iOS® and Android™ devices, Mac® computers and PCs⁵; with moderator feature⁶, teachers never lose control of the displayed content

Easily project wall-sized images — built-in edge blending features for easy, scalable projection

Simple, flexible installation — 360-degree placement capabilities; mount or place the projector in any position, from landscape to portrait

Easily programmable with the built-in media player — which includes templates, effects, color filters and customizable options; playlist and playback functions allow for seamless content management for single or multiple PowerLite® projectors

Easy access and maintenance — with remote management and control tools



PowerLite® 770F 1080p 3LCD Ultra Short Throw Lamp-Free Laser Display

Specifications

Projection System RGB liquid crystal shutter projection system

Driving Method Poly-Silicon TFT Active Matrix

Pixel Number 2,073,600 dots (1920 x 1080) x 3

Color Brightness² Color Light Output: 4,100 lumens

White Brightness² White Light Output: 4,100 lumens

Aspect Ratio 16:9 (native); 16:6, 4:3, 16:10, 21:9

Image Size (Projected Distance)

Without Mount:

49" – 123" (12.8" – 35.2") 4:3
60" – 150" (12.8" – 35.2") 16:9
55" – 139" (12.8" – 35.2") 16:10
56" – 140" (12.8" – 35.2") 16:6
57" – 142.5" (12.8" – 35.2") 21:9

With ELPMB62 Mount:

58" – 117" (15.5" – 33.6") 4:3
71" – 143" (15.5" – 33.6") 16:9
65" – 132" (15.5" – 33.6") 16:10
66" – 133" (15.5" – 33.6") 16:6
67" – 135" (15.5" – 33.6") 21:9

Display Resolution 1080p (1920 x 1080)

Light Source Laser Diode

Laser Light Source Life³

Normal Mode: Up to 20,000 hours

Extended Mode: Up to 30,000 hours

Throw Ratio Range 0.25 (Zoom: Wide), 0.35 (Zoom: Tele)

Size (Projected Distance)

Without Mount:

60" – 150" 16:9
55" – 139" 16:10
56" – 140" 16:6
57" – 142.5" 21:9

With ELPMB62 Mount:

71" – 143" 16:9
65" – 132" 16:10
66" – 133" 16:6
67" – 135" 21:9

Keystone Correction Manual Vertical: ±3 degrees;

Horizontal: ±3 degrees

Dynamic Contrast Ratio Over 2,500,000:1

Color Reproduction Up to 1.07 billion colors

Foot Adjuster

Vertical: -0.8 to +0.8 degrees, Horizontal: -0.8 to +0.8 degrees

Modes

Dynamic, Presentation, Cinema, sRGB, DICOM SIM, Multi-Projection

Projection Lens

Type Digital zoom, Focus (manual)

F-Number 1.6

Focal Length 3.7 mm

Zoom Ratio 1.00 – 1.35 (digital zoom)

Software

In addition to compatibility with Epson's standard suite of software, this product has a direct playback function via USB.

Interfaces

3x HDMI®

1x Analog VGA 15-Pin (in)

1x RCA Composite

1x Analog VGA 15-Pin (input/monitor out)

3x Stereo Mini In

1x Stereo Mini Out

1x RS-232C Control Port

1x Type USB-A (Powered 5 V, 2 A)

2x Type USB-B (USB display with audio)

1x Wired LAN RJ-45

Wireless Support for Built-In WLAN Adapter: Wireless 802.11 b/g/n/ac

IEEE 802.11b (2.4 GHz): 11 Mbps*

IEEE 802.11g (2.4 GHz): 54 Mbps*

IEEE 802.11n (2.4 GHz): 72.2 Mbps*

IEEE 802.11a (5 GHz): 54 Mbps*

IEEE 802.11n (5 GHz): 150.0 Mbps*

IEEE 802.11ac (5 GHz): 325 Mbps*

Software (Continued)

Works with:

- Epson® Projector Content Manager Software (visit our support pages for the latest version)

- Epson Creative Projection application

Other

Operating Temperature 41 °F to 104 °F (0 °C to 40 °C)
(20% – 80% humidity, no condensation)

Power Supply Voltage 100 V – 240 V AC ±10%, 50/60 Hz

Auto Power On Signal Detection on HDMI/Plug-In Detection (HDMI, USB, VGA 15-Pin, BNC)

Sleep Mode Yes (with timer)

Power Consumption

Normal Mode: 277 W

Quiet Mode: 214 W, Quiet Mode Extended 208 W

Standby Mode: 2.0 W

Energy-Saving Mode: 0.5 W

Fan Noise

Normal Mode: 37 dB

Quiet Mode: 27 dB

Security Enterprise Level Security Encryption

Country of Origin China

Dimensions (W x D x H)

Projector (Including Feet) 14.1" x 6.5" x 15.6"

Weight 13 lb

Remote Control

Features Source Search, HDMI, Computer, USB, LAN, ID, Default, User, E-Zoom, Color Mode, Aspect, A/V Mute, Split, Freeze, Home, Auto, ESC, Menu, Volume, User, Right, Left, Up, Down arrows



* These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

Remote Control (Continued)

Operating Angle

Front: Right/left: -30 to +30 degrees

Upper/Lower: 0 to +60 degrees

Rear: Right/left: -55 to +55 degrees

Upper/Lower: +75 to +15 degrees

Operating Distance 20 ft (6 m)

Eco Features

RoHS compliant

Recyclable product⁷

Epson America, Inc. is a SmartWay® Transport Partner⁸

Support

Epson ConnectionSM

Pre-sales support: U.S. and Canada 800-463-7766

Internet website: www.epson.com

Service Programs 3-year projector limited warranty or 20,000 hours, whichever comes first.

Epson Road Service program dedicated toll-free support (U.S. and Canada only)

What's Included

PowerLite 770F, Quick Setup Guide, projector, remote control, 2x AA batteries, 6' power cord, projector feet

Ordering Information

PowerLite 770F	V11HA79020
Ultra Short Throw Wall Mount (white)	V12HA06A05
Wireless LAN Adapter (ELPAP11)	V12H005A02
Air Filter	V13H134A60
PowerLite Pilot™ 3 (ELPCB03)	V12H927020
Active Speakers (ELPSP02)	V12H467020
DC-07 Document Camera	V12H759020
DC-13 Document Camera	V12H757020
DC-21 Document Camera	V12H758020

1 Color brightness measured per IDMS 15.4. Additional colors and picture modes tested. Top-selling Epson 3LCD projectors vs. comparable top-selling 1-chip DLP projectors based on NPD sales data for October 2019 – September 2020. COLOR BRIGHTNESS WILL VARY BASED ON USAGE CONDITIONS. | 2 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | 3 No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. | 4 Consult your user manual for split screen input combinations. | 5 For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See www.epson.com for details. | 6 Moderator control, connecting via QR code and projector remote are not available on Epson iProjection for Chromebooks. | 7 For convenient and reasonable recycling options, visit www.epson.com/recycle | 8 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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