



# PF9100/8100 COMPETITIVE BRIEF

## imagePROGRAF iPF9100/8100 Competitive Brief

## **Uncompromised Creative Expression**

Built to put advanced printing technologies into the hands of artists and photographers, the new Canon large-format 60" imagePROGRAF iPF9100 and 44" imagePROGRAF iPF8100 printers are ideal for giclée print-making and photoenlargements as well as murals, ceiling banners, museum displays, and lobby art with uncompromised accuracy, extraordinary detail, and spectacular color.

It should come as no surprise that Canon's world leadership in digital imaging, photography, and color science is at the core of these ultra-high-quality printing devices. From input to output, these printers are equipped with the technology and software solutions your customers need to fully optimize image quality and productivity.

The included Print Plug-ins for Adobe<sup>®</sup> Photoshop<sup>®</sup> and Digital Photo Professional enhance image management and enable 16-bit image processing to virtually eliminate problems such as jagged edges and banding, for smooth gradations and high-quality photorealistic output.

With a broad pallet of 12 colors and high-resolution printing, these new imagePROGRAF printers offer an exceptionally wide color space to produce rich skin tones, vibrant saturated colors, subtle hues, and dramatic high-contrast mono-chrome images with detail and clarity.

The color-stable, highly durable LUCIA<sup>™</sup> pigment inks used with these printers have been specially formulated to improve print quality and increase image longevity.

And only Canon offers your customer the expanded creative possibilities and efficiencies made possible with a seamless Canon camera-to-printer workflow option. A wide RGB color space is enabled by the included software solutions and 12 colors of LUCIA ink. The tonal range of these new printers, therefore, enables more faithful color reproduction of images captured by sophisticated digital cameras such as the Canon EOS® Digital SLR.

## What makes the iPF9100 and iPF8100 models unlike other large-format printers?

These imagePROGRAF printers are ultra-high-end large-format printing solutions built to meet the needs and expectations of photographers and artists.

UNIQUE SELLING PROPOSITION	FEATURES	BENEFITS
Available in Two Sizes	• 60″ iPF9100 • 44″ iPF8100	<ul> <li>Produce a greater variety of large-format applications.</li> </ul>
An Unparalleled Pallet of Colors!	<ul> <li>The 12-color set delivers a wide color gamut.</li> <li>Red, Green, Blue improve saturation levels and reduce ink consumption in these tonal ranges.</li> <li>Photo Cyan, Photo Magenta, Gray, and Photo Gray help smooth transitions, reduce graininess, and maintain a neutral gray balance.</li> <li>Black, Matte Black, Gray, and Photo Gray produce denser blacks and better details on a greater variety of media types.</li> </ul>	<ul> <li>More colors for more accurate color reproduction</li> <li>The broader range of color depth and tone produces vibrant saturated colors, deep shadows, smooth gradients, and subtle details.</li> <li>Four monochromic shades produce a deeper black-to-white tonal range for more dramatic light-to-dark contrast and better mid-tone clarity.</li> </ul>
LUCIA Inks	<ul> <li>Durable pigment ink particles are protected by a special polymer coating.</li> <li>Inks are specially formulated to improve print quality and minimize bronzing.</li> </ul>	<ul> <li>Excellent archival characteristics</li> <li>Scratch-, fade-, and water-resistant</li> <li>Less graininess</li> <li>Prints look great from every angle</li> </ul>
Exceptional Print Quality	<ul> <li>High-resolution output, up to 2400 x 1200 dpi</li> <li>Superfine 4-picoliter ink droplets</li> </ul>	• Produces detailed photoreaslistic images
Maximum Productivity	<ul> <li>Two 1.07" print-heads with a total of 30,720 nozzles output ultra-high-quality images—FAST!</li> <li>iPF9100: up to 179 ft.²/hr.* in standard mode</li> <li>iPF8100: up to 155 ft.²/hr.* in standard mode</li> <li>High-speed L-COA Processor</li> <li>Large ink tanks that can be replaced on-the-fly</li> </ul>	<ul> <li>Less waiting—proof, modify, and see results fast!</li> <li>Produce more in less time</li> <li>Increase production capacity</li> <li>Meet tight deadlines</li> </ul>
Photography Solutions• Seamless Canon workflow from EOS Digital SLR camera to printer • Print Plug-in for Adobe Photoshop • Print Plug-in for Digital Photo Professional		<ul> <li>Facilitates editing and printing</li> <li>Enable users to directly process and print RAW image files from DPP or Adobe Photoshop and allow processing of 16-bit RGB images</li> </ul>

\* OS: Windows XP SP2, CPU: Pentium<sup>®</sup> 4 3.2GHz, RAM: 1GB, Application: Adobe Photoshop 7.0, Interface: USB 2.0 Hi-Speed, Data used: ISO/JIS SCID No. 5, Output image size: A0 (827 x 1033.8mm). Measured by Canon Inc. Each print time does not include data transfer time. The print speed may vary depending on the data volume and size, PC, application, software, and interface.

UNIQUE SELLING PROPOSITION	FEATURES	BENEFITS	
Workflow Solutions	<ul> <li>Canon Printer Driver 2007</li> <li>Web-Link</li> <li>Digital Photo Front-Access (PC only)</li> </ul>	<ul> <li>Help to maximize operator efficiency and optimize print results</li> </ul>	
Built-in Quality Control	<ul> <li>Built-in calibration function</li> <li>Roll media detection system</li> <li><i>Kyuanos</i> color management system</li> </ul>	<ul> <li>Consistent output across multiple printers</li> <li>Accurate reprints</li> <li>Fewer errors, less waste</li> </ul>	
Borderless Printing	• Reduces trimming and finishing requirements	<ul> <li>Prints are ready to use</li> </ul>	
80GB Hard Drive	• More capacity for print job data, storage, and retrieval	<ul> <li>Increases productivity by relieving workload from the host computer</li> </ul>	
PosterArtist 2007* (Optional)	PosterArtist 2007 poster creation software	• Create posters in four easy steps	
Flexible RIP Options	• A wide range of compatible third-party RIPs and software solutions are available from approved Canon Alliance Partners.	• imagePROGRAF printers integrate into an existing workflow environment.	

\* Windows® only

### **Competitive Alternatives**

Let's now take a look at the key competitors in the large-format printing marketplace.

#### EPSON STYLUS PRO 11880 64" WIDE-FORMAT PRINTER

**Pros:** This new professional-grade printer announced by Epson in Q2, 2007 is a large 64"-wide printer priced at \$14,995. Featuring Epson's new MicroPiezo TFP print-head with nine ink channels and a total of 3,240 nozzles (360 per ink channel) this new model is faster than earlier Epson products and offers high-resolution output up to 2880 x 1440 dpi with variable-size ink droplets as small as 3.5pl. Though the printer has nine ink channels, it prints with only eight at a time. Like earlier Epson printers, the 11880 uses the UltraChrome K3 ink system with photo black, matte black, light black, and light-light black inks. However, unlike earlier models, switching between photo black and matte black is now automatic. This printer also uses a new ink formulation that replaces magenta and light magenta with a new vivid magenta and vivid light magenta. Epson claims that the new "vivid" inks enable a wider color gamut, particularly for blues and purples. Epson UltraChrome K3 inks are rated lightfast, up to 200 years for color images and longer for black-and-white images. A new 16-bit printer driver provides support for a 16-bit workflow on an Apple® Macintosh® OS X operating system. Flexible media feed options that support roll feed, cut sheet, and printing on posterboard up to 1.5mm thick give operators multiple options when it comes to media throughput.

**Cons:** Though the Epson Stylus Pro 11880 printer boasts a variety of impressive features, it falls short when compared to the Canon imagePROGRAF iPF9100 printer. Slow print speeds, a narrower range of colors, and lack of workflow and productivity solutions will limit this Epson printer's appeal to customers who need to produce ultra-high-quality photography and fine art applications.

Customers who need to work efficiently may be frustrated by the Stylus Pro 11880 printer's slow throughput speeds. In Fine Mode (720 dpi), it prints at approximately 51 ft.<sup>2</sup>/hr.; in SuperPhoto Mode, it slows down to around 24 ft.<sup>2</sup>/hr., making it approximately 60% to 70% slower than the iPF9100 printer!

Epson's "vivid" inks might expand the color gamut in the blue and purple range, but what about the rest of the color spectrum? With the inclusion of red, green, and blue inks, Canon has expanded the printer's color gamut to a range closer to that of the Adobe RGB space. Canon's wide tonal range, therefore, enables more faithful color reproduction of images captured by sophisticated digital cameras such as the Canon EOS Digital SLR.

Because quality output is heavily dependent on quality input, Canon has included additional software solutions such as Digital Photo Front-Access and the Print Plug-ins for Adobe Photoshop and Digital Photo Professional. With these additional tools, photographers have more control over their images at every stage of the process.

Producing accurate reprints may also be more difficult with the Stylus Pro 11880. Without a hard drive, print jobs cannot be stored at the printer and must be resent prior to printing. Without the ability to recalibrate the printer, customers may also have additional problems matching reprints and colors from one printer to another. Though Epson assures customers that the printers are factory-calibrated, there's no built-in mechanism to compensate for shifts that may occur due to environmental conditions such as high humidity.

Here's the bottom line—for customers with high performance and quality expectations, the imagePROGRAF iPF9100 printer provides a wide color gamut and more control over image input and output with greater efficiency and productivity than the Epson Stylus Pro 11880 printer.

#### EPSON STYLUS PRO 9880 44" WIDE-FORMAT PRINTER

**Pros:** Priced at \$4,995 the Epson Stylus Pro 9880 printer is a new 44" printer announced by Epson in Q2, 2007. Like the larger Stylus Pro 11880, this 8-color printer also utilizes Epson's UltraChrome K3 inks and the new "vivid" magentas. However, this printer has a different print-head, with only 180 nozzles per ink channel for a total of 1,440 nozzles.

**Cons:** Unfortunately in addition to sharing the same workflow and color gamut limitations as the Stylus Pro 11880, the Stylus Pro 9880 printer (with fewer print-head nozzles) is burdened by even slower print speeds. At a little less than 11 ft.<sup>2</sup>/hr. in SuperPhoto Mode, this Epson printer will require over 23 minutes to produce its best quality 20" x 30" print, a task the Canon iPF8100 printer can complete in about 3.5 minutes! Also with only eight ink channels in the print-head, switching between photo black and matte black inks must be done manually, resulting in wasted ink and operator time.

So while Epson forces customers to compromise performance and productivity when selecting a 44"-wide printer, Canon offers the complete range of features and benefits, regardless of which size printer best fits the customer's needs.

#### HP DESIGNJET Z3100 44" PHOTOPRINTER: (NOT AVAILABLE AS A 60" PRINTER)

**Pros:** This 44"-wide, 12-ink channel printer is positioned by HP for photography, fine art, and proofing applications. Among the printer's noteworthy features are an unusual 11-color set plus gloss enhancer, a built-in spectrophotometer, pigment inks, a selection of RIPs, and productivity-oriented print utilities. Claims that images are fade-resistant for up to 200 years and are water-resistant on certain media will help attract customers concerned about the durability of their prints. Prepress customers producing proofs may also be enticed by the built-in spectrophotometer, compliance with press emulation standards (such as SWOP) and PANTONE® color matching. The \$6,295 price tag for the base 44" model includes HP's Print Controller, Printer Utility, and HP Color Center. For an additional \$1,200 an HP embedded Adobe PostScript® RIP and HP's Advanced Color Profiling Solution are also available.

**Cons:** With a higher price tag for lower-resolution printing, an awkward color configuration, and slow print speeds, it's easy to understand why customers will prefer the Canon imagePROGRAF solution.

The odd color configuration may make using these printers difficult for operators accustomed to the industry standard CMYK color space. With these printers HP has made an unusual decision not to include a standard cyan ink as part of the Z3100 printer's color set. Rather, the Z3100 printer relies on a combination of HP's blue and light cyan inks. This is a surprising departure from one of the best known principles of color printing, which requires a full set of primary colors (CMYK) to create the majority of the color gamut. With virtually all graphic design applications and systems built on the assumption that a cyan ink channel is available for CMYK printing, many professionals may find it difficult to achieve their desired results with this odd configuration of colors. In addition to the 11 colors of ink, HP has used the twelfth ink channel for a "gloss enhancer." Use of the gloss enhancer is limited to glossy and semi-gloss photo papers, making it of little or no value when printing on other types of popular media.

Slow print speeds and low-resolution output severely limit the usefulness of these printers for high-end print applications. With a native resolution of 600 x 600 dpi and only 12,672 nozzles (less than half that of imagePROGRAF printers) the Z3100 printer's throughput in Normal Mode is a mere 38 ft.<sup>2</sup>/hr. The iPF8100 printer will produce much higher resolution, 1200 x 1200 dpi, at more than twice the speed of the HP. In addition, an off-balance ink-droplet configuration—some colors print with a 4pl drop while others print with a larger 6pl droplet—may make it difficult for customers to produce the more delicate features of their images.

The Z3100 printer's built-in spectrophotometer provides advanced users with the ability to create their own profiles and calibrate the printer. However, for many customers, the process of creating profiles may prove to be time-consuming and burdensome. To take full advantage of this feature, HP customers need to repeat the process for each and every media that they want to use. Canon has taken a different, more efficient approach. The imagePROGRAF printer's built-in calibration function provides users with the ability to reset the printer back to the original factory settings, and to do so across all types of media in just a few minutes. Because Canon has already created and optimized profiles for a wide variety of media types, this approach enables Canon customers to achieve excellent print quality in less time and with less effort.

#### HP DESIGNJET Z2100 44" PHOTOPRINTER SERIES (NOT AVAILABLE AS A 60" PRINTER )

**Pros:** This 44"-wide 8-color Z2100 printer is positioned by HP as a high-quality photo-grade printer. Customers interested in archival printing may be attracted by HP's claims that prints will last up to 200 years without fading and are water-resistant on certain types of media. A built-in spectrophotometer can be used by operators to calibrate the printer and create their own ICC profiles. Along with the printer the \$5,595 price includes an HP ProPrint Plug-in for Photoshop, the Printer Driver, and HP Color Center software for color management functions. HP doesn't offer a PostScript version of this printer model.

**Cons:** While some attractive features are included with the Z2100 printer, HP has unfortunately left several important customer requirements unaddressed. Perhaps most concerning is the Z2100 printer's relatively limited selection of ink colors when compared to the imagePROGRAF printers. Without red, green or blue inks and only one shade of gray, the Z2100 printer has a narrower color space and may not be able to match the imagePROGRAF printer's tonal range when outputting monochrome images.

Another important factor that affects the printer's performance is the number of nozzles available to eject ink onto the media. With only 8,443 nozzles spread across all eight ink colors, the Z2100 printer has far fewer nozzles than the Canon printers, which have 30,720. More nozzles help make the Canon print-heads more reliable and enable high-quality output, even in high-speed print modes.

Though some technically inclined customers may find the HP's spectrophotometer useful, the Canon solution is an easier process that takes only a few minutes to automatically apply adjustments across all the printer's media types. HP's process is more complex and laborious, requiring repetition per media type at the expense of 20 minutes for each.

While the Z2100 printer can achieve an "optimized" resolution of 2400 x 1200 dpi, the Normal Mode for this printer is just 600 x 600 dpi. This is surprisingly low for a printer positioned for high-quality photo printing. Also, like the Z3100 printer, an off-balance ink-droplet configuration—some colors print with a 4pl drop while others print with a larger 6pl droplet—may impede customers from printing the more delicate features of their images.

Print speed is another issue with the Z2100 printer. At just 38 ft.<sup>2</sup>/hr. in normal print mode (600 x 600 dpi), this HP printer is 50% to 60% slower than the iPF8100 printer, which, at 88 ft.<sup>2</sup>/hr.\* can produce a much higher resolution 1200 x 1200 dpi image twice as fast.

For customers who want efficiency, quality, and an unparalleled color gamut the imagePROGRAF printers should be the preferred solution.

<sup>\*</sup> OS: Windows XP SP2, CPU: Pentium®4 3.2GHz, RAM: 1GB, Application: Adobe® Photoshop® 7.0, Interface: USB 2.0 Hi-Speed, Data used: ISO/JIS SCID No. 5, Output image size: A0 (827 x 1033.8mm). Measured by Canon Inc. Each print time does not include data transfer time. The print speed may vary depending on the data volume and size, PC, application, software, and interface.

#### **HP DESIGNJET Z6100 PRINTER SERIES**

**Pros:** Available in 42"- and 60" -wide sizes, these 8-color printers are positioned by HP primarily for production printing applications. As such, the Z6100 printer competes more directly with the Canon imagePROGRAF S-Series production printers. (Please see the imagePROGRAF S-Series Competitive brief for more information.) However, because this printer is available in a 60" model, photo and fine art customers looking for a 60" printing system may need to be informed of Canon's benefits and competitive advantages.

The Z6100 printer offers customers high-speed throughput and an embedded spectrophotometer that enables users to recalibrate the printer and assists operators in creating their own media profiles. To support color and job management functions the Z6100 printer comes with additional software and workflow options.

**Cons:** Starting at \$9,995 for the 42" version and \$15,995 for the 60" version (\$12,495 and \$18,500 for the PostScript versions), HP's Z6100 Series printers are more expensive than Canon's iPF9100 and iPF8100 printers. With only eight colors of ink and a smaller hard drive, it may be difficult for HP to justify the higher price to customers with high-performance expectations.

Without red, green, and blue inks, and only one shade of gray, the Z6100 printer will have a more limited color space than the imagePROGRAF printers, making it potentially more difficult for photographers and artists to achieve the results they want. And the off-balance ink-droplet configuration—some colors print with a 4pl drop while others print with a larger 6pl droplet—may impede customers from printing the more delicate features of their images. This limitation combined with a narrower color gamut may preclude the Z6100 printer from delivering the image quality required by giclée print-making and high-quality photography.

Though HP claims that these printers are capable of speeds that can reach 1,143 ft.<sup>2</sup>/hr., those claims are limited to printing on plain paper and may require a reduction in output quality—making the Z6100 printer high-speed draft printing mode impractical for photo and fine art applications.

The Z6100 printer accepts roll-media only and doesn't support cut-sheet media feeding so customer media options are limited. Also, without borderless printing, the Z6100 printer requires more finishing and trimming. This adds time, labor, and cost to the production of the finished piece. On the other hand, imagePROGRAF printers support borderless output, so prints are ready to use in less time and with less effort.

Other factors such as power consumption that's 84% higher than the imagePROGRAF printers, print-heads with fewer nozzles (16,896 in the djZ6100 vs. 30,720 in the Canon printers), and a much smaller hard drive means that the Z6100 printer's overall productivity may be lower and operating costs may be higher than the imagePROGRAF printers.

And again, like the other HP printers equipped with spectrophotometers, Canon's solution is an easier process that takes only a few minutes to automatically apply adjustments across all the printer's media types. HP's process is more complex and laborious, requiring repetition per media type at the expense of 20 minutes for each.

#### **iPF9100 PRINTER FEATURE COMPARISON CHART**

Brand	Canon	Epson	HP
Model	iPF9100	Stylus Pro 11880	Z6100
MSRP	\$14,995	\$14,995	\$15,995
Width	60"	64"	60"
Borderless Printing	Yes	Yes	No
Print Speed (Glossy Paper/Standard Mode)	~ 103 ft.²/hr.	~ 51 ft.²/hr.	~ 98 ft.²/hr.
Max. Resolution (dpi)	2400 × 1200	2880 x 1400	2400 x 1200 Optimized
Ink Type	Pigment	Pigment	Pigment
Number of Colors	12	9	8
Color Set	C, PC, Y, M, PM, R, G, B, BK, MBK, GY, PGY	C, Lc, Y, Vm, VLm, PK, MK, Lk, LLk	C, Lc, Y, M, Lm, PK, MK, LG
Total Number of Nozzles	30,720	3,240	16,896
Size of Ink Droplet	Consistent 4pl	Variable: Smallest is 3.5pl	4pl (Lc,Lm,LG,PK) 6pl (C,M,Y,MK)
Auto-switching of Black Inks	Yes	Yes	Yes
Ink Supply	330/700ml	700ml	775ml
On-the-fly Ink Replacement	Yes	Yes	No
Hard Drive	80GB	None	40GB
Available Workflow and Software Solutions • =included ▲ =optional	<ul> <li>Canon Printer Driver</li> <li>Web-Link</li> <li>Digital Photo Front-Access</li> <li>Print Plug-in for Photoshop</li> <li>Print Plug-in for Digital Photo Professional</li> <li>PosterArtist 2007</li> <li>Optional Third-party RIPs</li> </ul>	<ul> <li>Epson Printer Driver</li> <li>MyEpsonprinter Other software and workflow solutions are TBD</li> </ul>	<ul> <li>HP Printer Driver</li> <li>HP Easy Printer Care</li> <li>HP Color Center</li> <li>HP Professional PANTONE Emulation</li> <li>i1 Color Technology</li> <li>HP Advanced Profiling Solution</li> <li>Adobe PostScript 3<sup>™</sup> RIP</li> </ul>
Printer Calibration Function	Yes	No	Yes
Ambient Light Adjustment	Yes	No	No
Operating Power Consumption	190 Watts	55 Watts	350 Watts

COLOR LEGEND				
C = Cyan	M = Magenta	BK = Black	LLk = Light, Light, Black	Y = Yellow
PC = Photo Cyan	PM = Photo Magenta	MBK = Matte Black	GY = Gray	+Gloss = Gloss Enhancer
Lc = Light Cyan	Lm = Light Magenta	MK = Matte Black	LG = Light Gray	
VLm = Vivid Light Magenta	Vm = Vivid Magenta	PK = Photo Black	Lk = Light Black	

#### **iPF8100 PRINTER FEATURE COMPARISON CHART**

Brand	Canon	Epson	HP	HP	НР
Model	iPF8100	Stylus Pro 9880	Z2100	Z3100	Z6100
MSRP	\$5,995	\$4,995	\$5,595	\$6,295	\$9,995
Width	44"	44"	44"	44"	42″
Borderless Printing	Yes	Yes	Glossy Media Only	Glossy Media Only	No
Print Speed (Glossy Paper/Standard Mode)	~ 88 ft.²/hr.	~ 21 ft.²/hr.	~ 38 ft.²/hr.	~ 38 ft.²/hr.	~ 98 ft²/hr.
Max. Resolution (dpi)	2400 x 1200	2880 x 1440	2400 x 1200 Optimized	2400 x 1200 Optimized	2400 x 1200 Optimized
Ink Type	Pigment	Pigment	Pigment	Pigment	Pigment
Number of Colors	12	9	8	11 Plus Gloss Enhancer	8
Color Set	C, PC, Y, M, PM, R, G, B, BK, MBK, GY, PGY	C, Lc, Y, Vm,VLm, PK, MK, Lk, LLk	C, Lc, Y, M, Lm, PK, MK, LG	Lc, Y, M,Lm, R,G,B, PK,MK,GY,LG, +Gloss	C, Lc, Y, M, Lm, PK, MK, LG
Total Number of Nozzles	30,720	1,440	8,448	12,672	16,896
Size of Ink Droplet	Consistent 4pl	Variable; Smallest is 3.5pl	4pl (Lc,Lm,LG,PK) 6pl (C,M,Y,MK)	4pl (Lc,Lm,GY,LG,PK +Gloss) 6pl (M,Y,MK,R,G,B)	4pl (Lc,Lm,LG,PK) 6pl (C,M,Y,MK)
Auto-switching of Black Inks	Yes	No	Yes	Yes	Yes
Ink Supply	330/700ml	110/220ml	130ml	69/130ml	775ml
On-the-fly Ink Replacement	Yes	Yes	No	No	No
Hard Drive	80GB	None	40GB	40GB	40GB
Available Workflow and Software solutions • =included • =optional	<ul> <li>Canon Printer Driver</li> <li>Web-Link</li> <li>Digital Photo Front-Access</li> <li>Print Plug-in for Photoshop</li> <li>Print Plug-in for Digital Photo Professional</li> <li>PosterArtist 2007</li> <li>Optional Third-party RIPs</li> </ul>	<ul> <li>Epson Printer Driver</li> <li>MyEpsonprinter</li> <li>Other software and workflow solutions are TBD.</li> </ul>	<ul> <li>HP Printer Driver</li> <li>HP Easy Printer Care</li> <li>HP Color Center</li> <li>HP Photosmart Pro Plug-in for Photoshop</li> <li>i1 Color Technology</li> <li>HP-GL2 Upgrade Kit</li> <li>HP Advanced Profiling Solution</li> <li>EFI® Designer Edition RIP 5.1</li> <li>Optional Third-party RIPs</li> </ul>	<ul> <li>HP Printer Driver</li> <li>HP Easy Printer Care</li> <li>HP Color Center</li> <li>HP Photosmart Pro Plug-in for Photoshop</li> <li>i1 Color Technology</li> <li>HP Advanced Profiling Solution</li> <li>Optional Third-party RIPs</li> </ul>	<ul> <li>HP Printer Driver</li> <li>HP Easy Printer Care</li> <li>HP Color Center</li> <li>HP Professional PANTONE Emulation</li> <li>i1 Color Technology</li> <li>HP Advanced Profiling Solution</li> <li>Adobe PostScript 3 RIP</li> </ul>
Printer Calibration Function	Yes	No	Yes	Yes	Yes
Ambient Light Adjustment	Yes	No	No	No	No
Operating Power Consumption	190 Watts	50 Watts	200 Watts	200 Watts	350 Watts

Want to learn more or have a big idea for using Canon imagePROGRAF Large-Format Printers?

Go to www.usa.canon.com/imageprograf



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