Perfactory® LED

Perfactory 4 Standard LED

EnvisionTEC's Perfactory 4 Standard LED Series uses a custom LED light system. This new LED system is more powerful and efficient than other light projector systems on the market. As such, it offers a variety of benefits, such as lower operating costs and crisper black-white contrast between pixels, which means even better final part detail.

With this product enhancement, the Perfactory 4 Standard LED, offering the highest accuracy and best resolution in the vat polymerization market, now also includes the most powerful and cost-efficient light source.

Machine Properties[2]	P4 Standard LED	P4 Standard XL LED
Build Envelope Inches (mm)	6.3 x 3.9 x 7.09/9.06 in (160 x 100 x 180/230 mm)	7.6 x 4.7 x 7.09/9.06 in (192 x 120 x 180/230 mm
Native Voxel Size XY	0.0033" (83 µm)	0.0039" (100 µm)
ERM Voxel Size XY	0.0017" (42 µm)	0.0020" (50 µm)
Dynamic Voxel Resolution in Z	0.0010" (25 µm) to 0.0050" (150 µm)	0.0006" (15 µm) to 0.0060" (150 µm)
Projector Resolution	1920 x 1200 Pixels	
Data Handling	STL	
Warranty	1 year included	

EnvisionTEC Material Group
Perfactory LED Materials

System Properties

- LED outperforms the original P4 UHP light source in cost savings and has an estimated life expectancy of 10,000 hours

- Economic material use with no vat

- Minimized components make the system user serviceable

- Low acquisition costs

- Delivered and installed with all relevant software to enable automatic support generation and perfect model production

- Material changeover can be done quickly and easily

Footprint (L x W x H): 29" x 19" x 53" (73 x 48 x 135 cm)
Weight: 199 lbs (85 kg)
Electrical Requirements: 100-120V, 5.4 Amp or 220-240V, 2.4 Amp

[1] Learn more at EnvisionTEC.com/printmypart

Patents Pending