

Technical Specifications

HP E45c G5 DQHD Curved Monitor

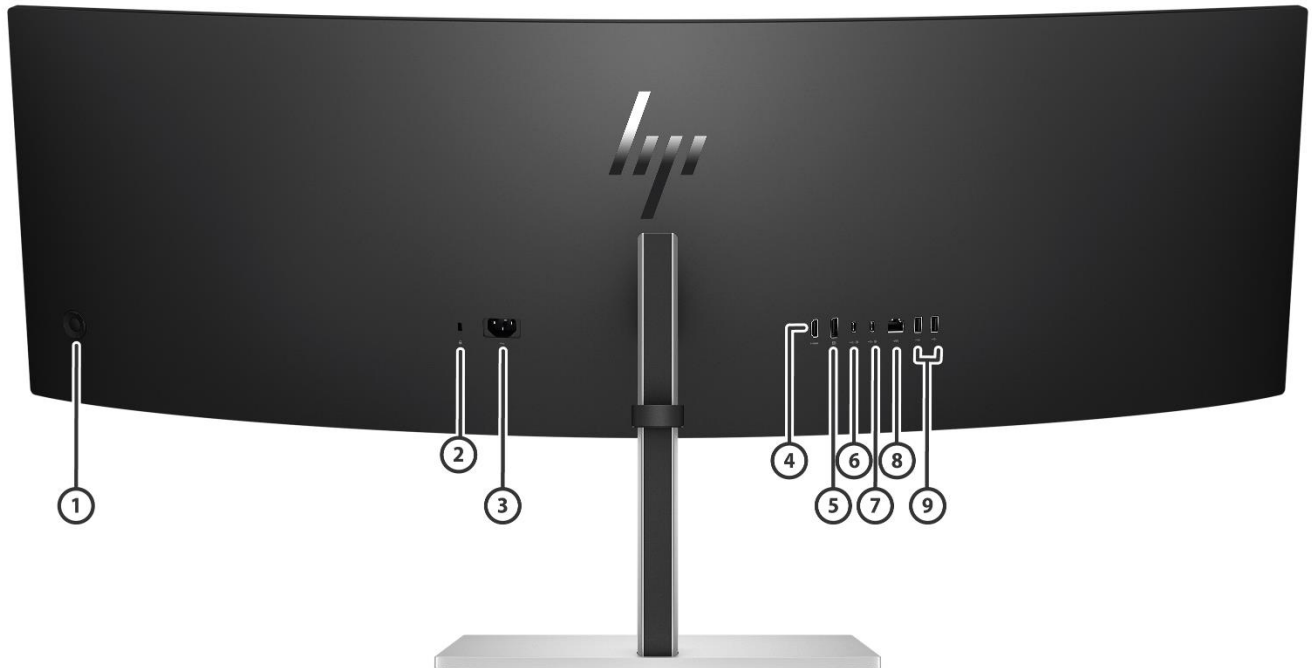


1. SuperSpeed USB Type-A 5Gbps signaling rate (2, 1 charging)
2. Ambient Light Sensor

- Front**
3. Power Button
 4. LED Power

Technical Specifications

HP E45c G5 DQHD Curved Monitor



1. Joypad OSD button
2. Security Cable Slot
3. Power Connector
4. HDMI 2.1 Port
5. DisplayPort™ 1.4

Back

6. SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 65W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
7. SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 65W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
8. RJ-45 Port
9. SuperSpeed USB Type-A 5Gbps signaling rate (2)

Technical Specifications

Model: 6N4C1AA

Panel Specifications	Display Size (Diagonal) 44.5" (113.0 cm) Viewable Diagonal Size 44.5" (113.0 cm) Panel Technology VA Curved 1500R Max Refresh Rate 165Hz Native Resolution DQHD (5120 x 1440) Panel Bit Depth True 8 bit Aspect Ratio 32:9 Brightness (Typical) 400 nits Contrast Ratio (Static) 3000:1 Dynamic Contrast Ratio 8000000:1 =8M:1 Flicker Free Yes Pixel Pitch 0.21 x 0.21 mm Pixels Per Inch (PPI) 120 PPI Display Colors Up to 16.7 million colors supported Backlight Lamp Life Minimum (To Half Brightness - In Hours) 30k Backlight Type Edge-lit Screen Treatment Anti-glare Hardness 3H Haze 25% Response Time (Typical) 3ms GtG (with overdrive) Horizontal Viewing Angle (Typical Cr>10) 178° Vertical Viewing Angle (Typical Cr>10) 178° Panel Active Area Metric (W X H) 108.75 x 30.59 cm Panel Active Area Imperial (W X H) 42.81 x 12.04inch Variable Refresh Rate Technology FreeSync Premium NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
Color	sRGB 99%
Color Management	Color Space/ Subsampling Support RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 RGB Channel Adjust Yes, Gain Default Color Temperature Neutral (6500K) Factory Color Calibrated Yes (Color Temperature) Factory Color Presets Warm - 5000K, Neutral - 6500K, Cool - 9300K
Monitor Specifications	Bezel Type 3-sided borderless Color Of Stand Black & Silver Color Of Head Black Tilt -5°~+20° Swivel ±10° Height Adjust Range 150 mm


Technical Specifications

Vesa Mounting	100 mm x 100 mm
Security Lock	Security lock-ready
Detachable Stand	Yes
Warranty	3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)
Low Blue Light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
Speaker Output Power	2x3 W
Management Software	HP Display Center, HP Display Manager* *Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
On Screen Display (OSD)	Brightness+, Color, Image, Input, Spilt Screen, Power, Menu, Management, Information
Native Resolution	DQHD (5120 x 1440)
Maximum Resolution	DQHD (5120 x 1440 @ 165Hz)
Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz 720 x 400 @ 60Hz 800 x 600 @ 60Hz 1024 x 768 @ 60Hz 1280 x 720 @ 60Hz 1280 x 800 @ 60Hz 1280 x 1024 @ 60Hz 1440 x 900 @ 60Hz 1600 x 900 @ 60Hz 1680 x 1050 @ 60Hz 1920 x 1080 @ 60Hz 1920 x 1200 @ 60Hz 2560 x 1440 @ 60Hz 2560 x 1440 @120Hz 2560 x 1440 @165Hz 3440 x 1440 @ 60Hz 3440 x 1440 @75Hz 3440 x 1440 @100Hz 5120 x1440 @ 60Hz 5120x1440 @ 70Hz 5120x1440 @ 75Hz 5120x1440 @120Hz 5120x1440 @ 165Hz
Minimum Vertical Scan Rate	48 Hz
Maximum Vertical Scan Rate	165 Hz
Minimum Horizontal Scan Rate	30.0 kHz
Maximum Horizontal Scan Rate	250.0 kHz
Maximum Pixel Clock	1400.0 MHz
User Programmable Modes	Yes, 20
User-Assignable Function Buttons	Yes, 4 (9 options)
Audio	Built-in 2x3W speakers

Technical Specifications

	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Connector Types	DisplayPort™	1 DisplayPort™ 1.4
	HDMI	1 HDMI 2.1
	HDCP	Yes, DisplayPort™, HDMI and USB Type-C®
	USB Type-C® Video Input	2 SuperSpeed USB Type-C® 5Gbps signaling rate (up to 100W USB Power Delivery for single PC connection and dynamic power delivery with two PCs is 65W each, Alt Mode DisplayPort™ 1.4)*
	USB- A	4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging)
	ETHERNET	1 RJ-45 (10/100/1000 Mbps)
Special Features	Picture-in-Picture, Picture-by-Picture SWITCH	Yes, PBP only Monitor Power button PbP / Up button Volume / Down button Next Active Input / Left button Color / Right button Menu / Enter button
	Remote Manageability*,**	Through HP Display Manager, In-Band MAC Address Pass Through (MAPT), In-Band Wake on LAN (WoL), PXE Boot, Out-of-Band MAC Address Pass Through (MAPT), Out-of-Band Wake on LAN (WoL). <i>*Not all notebooks support remote manageability. **Out-of-band manageability only available with HP G7, G8 and G9 HP notebooks and not supported on non-HP devices.</i>
	User Presets	26
	User Updateable Firmware	Yes
	KVM	Yes, OSD switch and keyboard switch
	Other Special Features	Ambient Light Sensor, Single Power On, Virtual Dual Display, Device Bridge 2.0
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	275 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption - Typical	55 W
Energy Star Data	Operational Mode at 100 VAC	43.68 W
	Operational Mode at 115 VAC	43.6 W
	Operational Mode at 230 VAC	43.25 W

Technical Specifications

EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption for Standard Dynamic Range (SDR) ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)	38W	
Operating Conditions	Operating Temperature - Celsius Operating Temperature - Fahrenheit Non-Operating Temperature - Celsius Non-Operating Temperature - Fahrenheit Operating Humidity Non-Operating Humidity Operating Altitude Non-operating Altitude	5° – 35°C 41° – 95°F –40° – 65°C –40° – 149°F	20 – 80% Relative Humidity (non-condensing) 5 – 95% 0 – 5,000 m (16,400 ft.) 0 – 12,192 m (40,000 ft.)
Certifications and Compliances	Low Halogen Agency Approvals and Certifications Microsoft WHQL Certification ENERGY STAR® Certified EPEAT® Registered Regions need to verify by country China Energy Label TCO Certified Edge TCO Certified SmartWay Transport Partnership - NA only	Yes* <i>*External power supplies, WWAN modules, power cords, cables and peripherals excluded.</i> WW application CE/CB/KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/ EAC/UL/CSA/ISC/CCC/CEL/CECP/TCO/TCO Certified Edge/Energy Star/ISC/VCCI/FCC/BSMI/WEEE/PSE / cTUVus/ BIS/ UAE/ Ukraine EE/ E-Standy(Korea MEPS)/ NRCS/ TGM Win 10, Win 11 Yes EPEAT® Gold in United States* <i>*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.</i> CEL Grade 2* <i>*Monitors produced from June 2024 comply with China regulation GB 21520-2023.</i> Yes Yes Yes (NA sku)	
Contains Recycled Plastics	Contains Recycled Plastics	Contains ocean-bound recycled plastic*; 80% ITE-derived closed loop plastic** <i>*All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.</i> <i>** ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.</i>	
	Recycled Metals	At least 15% recycled metal* <i>*Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.</i>	

Technical Specifications

Recyclable Packaging (Box, packing materials)

Outside Box and corrugated cushions are 100% sustainably sourced and recyclable*

*100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

Unit Product/Package Specifications

Product Dimensions
(Unpacked with stand) (W x D x H)

Product Dimensions
(Packed) (W x D x H)

Display Head Dimensions
(Unpacked without stand) (W x D x H)

Base Area Footprint
(w x d mm)

Bezel Measurements

Product Weight
(Unpacked with stand)

Product Weight
(Packed)

Product Weight
(Head Only)

Metric

Imperial

108.43 x 30.7 x 52.18 cm	42.7x12.1x20.5 inch
126.7 x 28 x 48.5 cm	49.88 x 11.02 x 19.09 inch
108.43 x 14.81 x 33.56 cm	42.7 x 5.6 x 13.21 inch
320 x 267 mm	11.89 x 10.31 inch
Bottom: 18.6 mm	Bottom: 7.32 in
14.6 kg	32.18 lbs
22.47 kg	49.53 lbs
10.10 kg	22.26 lbs

Pallet Information

Pallet Dimensions
(L x W x H mm)

Slip Sheet: 1277 x 1130 x 1962mm (20' ft/40' ft)	Slip Sheet: 50.28 x 44.49 x 77.24 inch (20' ft/40' ft)
Slip Sheet: 1277 x 1130 x 2450 mm (40' HQ)	Slip Sheet: 50.28 x 44.49 x 96.46 inch (40' HQ)
Pallet: 1277 x 1130 x 2085 mm (20' ft/40' ft)	Pallet: 50.28 x 44.49 x 82.09 inch (20' ft/40' ft)
Pallet: 1277 x 1130 x 2085 mm (40' HQ)	Pallet: 50.28 x 44.49 x 82.09 inch (40' HQ)

Pallet Total Weight

Slipsheet: 366.5 kg (20'ft/40'ft), 456.1kg (40'HQ)	Slipsheet: 807.8lbs (20'ft/40'ft), 1005.3lbs (40'HQ)
Pallet: 380.5kg (40'HQ/40'ft)	Pallet: 838.7lbs (40'HQ/40'ft/20'ft)

Pallet Layers

Slip Sheet: 4 layers per pallet (20' ft/40' ft)
Slip Sheet: 5 layers per pallet (40' HQ)
Pallet: 4 layers per pallet (20' ft/40' ft/40' HQ)

Pallet Product per Layer

4 per layer
Slip Sheet: 16 sets per pallet (20' ft/40' ft)

Total Products per Pallet

Slip Sheet: 20 sets per pallet (40' HQ)
Pallet: 16 sets per pallet (20' ft/40' ft/40' HQ)

**Container Load, 20-Foot
Container Load, 40-Foot**

128 sets (slip sheet and pallet)
288 sets (slip sheet and pallet)

Technical Specifications

	Container Load, 40-Foot HighQ	288 sets (pallet) 360 sets (slip sheet)
What's in the box?	AC power cord (1.83m) 5.9ft 2 x USB 3.2 C-C cable (1.0m) Warranty Quick Setup Poster	
User Guide and Warranty Languages	User Guide Languages Warranty Languages	Arabic, Bahasa Indonesia, Bulgarian, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (Iberian), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkey, Ukrainian English US (EN), English AP (EN-AP), English LA (EN-LA), English UK (EN-GB), Arabic (AR) -17x, Bahasa Indonesia (ID), Bosnian (BS), Bulgarian (BG), Chinese-S (CN), Chinese-T (TW), Croatian (HR), Czech (CS), Danish (DA), Dutch (NL), Estonian (ET), Finnish (FI), French Canadian (FC), French European (FR), German (DE), Greek (EL), Hebrew (HE), Hungarian (HU), Italian (IT), Japanese (JA), Kazakh (KK), Korean (KO), Latvian (LV), Lithuanian (LT), Norwegian (NO), Polish (PL), Portuguese, Brazilian (BR), Portuguese, Iberian (PT), Romanian (RO), Russian (RU), Serbian (SR), Slovak (SK), Slovenian (SL), Spanish, Castilian (ES-ES), Spanish, Latin America (ES-MX), Swedish (SV), Thai (TH) Turkish (TR), Ukrainian (UK), Vietnamese (VI)

Technical Specifications

ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	<p>This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:</p> <ul style="list-style-type: none"> • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. • TCO Certified Edge • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label* 		
Sustainable Impact Specifications	<ul style="list-style-type: none"> • Ocean-bound plastic in Speaker, Stand • 80% post-consumer recycled plastic • 15% recycled metal • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable • Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable • Recycled Plastic cushions 		
System Configuration	<p>The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.</p>		
Energy Consumption (in accordance with US ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	43.6 W	43.25 W	43.73 W
Normal Operation (Long idle)	43.6 W	43.25 W	43.73 W
Sleep	0.43 W	0.44 W	0.43 W
Off	0.27 W	0.28 W	0.28 W
	<p>NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.</p>		
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	149.1 BTU/hr	147.9 BTU/hr	149.6 BTU/hr

Technical Specifications

Normal Operation (Long idle)	149.1 BTU/hr	147.9 BTU/hr	149.6 BTU/hr
Sleep	1.5 BTU/hr	1.5 BTU/hr	1.5 BTU/hr
Off	0.9 BTU/hr	1.0 BTU/hr	1.0 BTU/hr
	<p>*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.</p>		
Longevity and Upgrading	<p>This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.</p>		
Additional Information	<ul style="list-style-type: none"> • This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product is 96.5% recycle-able when properly disposed of at end of life. 		
Packaging Materials	External:	PAPER/Corrugated	1721 g
		PAPER/Corrugated	2526 g
		PAPER/Paper	3000 g
	Internal:	PLASTIC/EPE (Expanded Polyethylene)	78 g
	The plastic packaging material contains at least 0.0% recycled content.		
	The corrugated paper packaging materials contains at least 80.0% recycled content.		
RoHS Compliance	<p>HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam.</p> <p>We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products.</p> <p>We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve.</p> <p>To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.</p>		

Technical Specifications

<p>Material Usage</p>	<p>This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):</p> <ul style="list-style-type: none"> • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Bis(2-Ethylhexyl) phthalate (DEHP) • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
<p>Packaging Usage</p>	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. • Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.
<p>End-of-life Management and Recycling</p>	<p>HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.</p>

Technical Specifications

	<p>The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.</p>
<p>HP, Inc. Corporate Environmental Information</p>	<p>For more information about HP's commitment to the environment:</p> <p>Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</p> <p>Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html</p> <p>ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</p>
<p>footnotes</p>	<ul style="list-style-type: none"> • Percentage of ocean-bound plastic contained in each component varies by product • Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. • External power supplies, WWAN modules, power cords, cables and peripherals excluded. • 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. • Fiber cushions made from 100% recycled wood fiber and organic materials. • Plastic cushions are made from >90% recycled plastic.

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Summary

Change Log			
February 15, 2023	V1 to V2	Added	Environmental Data
April 11, 2023	V2 to V3	Updated	Color Management section
April 29, 2024	V3 to V4	Updated	China Energy Label