



Special Care for Your OLED Screen

Practical guidance to help preserve image quality, panel uniformity and long-term performance.

To help maintain the longevity and optimal performance of your OLED monitor, we've curated this Special Care Guide with proactive measures against burn-in. Please follow these guidelines not only to safeguard your monitor but also uphold the 3-year OLED warranty protection. The 3-year OLED warranty protection is subject to the applicable warranty terms and conditions. This Special Care Guide includes recommendations intended to help reduce the likelihood of burn-in and promote proper use of your OLED monitor. Users are encouraged to comply with the best practices set out in this Special Care Guide to support eligibility for warranty coverage.

Avoid prolonged static content

Avoid leaving the same image, interface, logo, game HUD or desktop element on screen for long periods. When static content must remain visible, reduce brightness where practical and alternate the displayed content regularly.

Use the available screen area

Where possible, display content in a way that uses the full screen. Repeatedly showing fixed black bars or permanently divided screen areas can create uneven panel usage over time.

Do not attach materials to the panel

Do not apply stickers, films or other materials directly to the visible screen area. They may affect heat dissipation and can increase the risk of uneven ageing.

Protect the screen from sunlight and UV exposure

Keep the display away from direct sunlight and strong ultraviolet light, which may reduce brightness, colour stability and panel lifespan.

Built-in OLED Care Functions

To help prevent burn-in and support the long-term performance of your OLED screen, AOC monitors include a range of built-in OLED Care functions. These features work in different ways, for example by reducing the brightness of static elements, slightly shifting the displayed image or activating panel maintenance processes when required. As the available functions, settings and activation conditions may differ depending on the monitor, please refer to the OLED Care table below to identify which protective measures apply to your specific product.

Screen Saver / Static Image Dimming

Detects content that remains unchanged and gradually lowers screen luminance to reduce stress on static areas. For example, if a game is paused on the same menu for an extended period, the monitor may dim the image until gameplay resumes. Normal brightness is restored when moving content is detected.

Pixel Orbiting

Moves the displayed image by a very small amount at pixel level. The movement is designed to be unobtrusive while distributing repeated image elements, such as a fixed health bar or minimap, across neighbouring pixels.

Pixel Refresh

Runs a panel maintenance cycle to help restore screen uniformity and reduce image retention after use. During the cycle, the screen may switch off and the power indicator may flash. The display returns to its previous power state when the process is complete.

Pixel Refresh Reminder / Auto Warning

Provides an on-screen reminder when a panel maintenance cycle is recommended. The reminder supports regular OLED care but does not replace automatic protection processes where these are built into the monitor.

Automatic Refresh in Standby or Power-off State

Allows a maintenance cycle to begin after the monitor enters an eligible low-power state. Keep the monitor connected to power so the process can run when required.

Uniform Brightness

Keeps perceived brightness more consistent when the amount of bright content on screen changes. This can reduce sudden brightness variations and support more even panel use.

Logo Protection

Detects persistent logos or similar fixed elements and lowers brightness in the affected areas to reduce the risk of image retention. During gaming, this may apply to a fixed team logo, score counter or game HUD element.

Boundary Dimmer

Identifies strong brightness differences near fixed boundaries, black bars or split-screen areas and adjusts brightness locally to reduce uneven panel ageing. For example, it can help when playing a game in a different aspect ratio that leaves black bars on screen.

Taskbar Dimmer

Reduces brightness in the taskbar area while leaving the rest of the image largely unaffected.

Thermal Protection

Monitors the display temperature and lowers screen brightness when necessary to support heat management and protect the panel.

CPC (Convex Power Control)

Adjusts power distribution according to the displayed image so that high-load areas are managed more evenly, helping reduce the risk of uneven image retention. For example, during a game with a very bright central scene and darker surrounding areas, CPC helps balance the panel load across the image.

Local Brightness Control

Monitors accumulated brightness in different areas of the screen and lowers brightness locally when an area has remained unusually bright for an extended period.

Icon Dimmer

Detects small, persistent high-brightness elements such as desktop icons, browser tabs, toolbars, channel logos or game interface elements and gradually dims only those areas. In a game, this could include a bright ammo counter, ability icon or status indicator that remains in the same position.

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
AGP346UCSD	QD-OLED 5th Gen	EL 3.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The power indicator will flash white (on a second/off a second). The power indicator will turn orange or turn off at the end, indicating that the monitor has entered standby or power-off state (maintaining the pre-operation status)."	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	"The monitor will automatically display an "Auto Pixel Refresh" every 24 hours of cumulative usage to remind the user to run the ""Pixel Refresh"" process."	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	Yes, option off/1/2/3, default off	Off

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
AGP277QK-DC	W-OLED, 4th Gen	Tandem	Matte	Yes : On / Off	This setting is "On" by default. You can set in the OSD menu	Yes: Off / Weak / Medium / Strong / Strongest	This setting is "On" (Strongest) by default. You can set in the OSD menu	Yes: On / Off	"The power indicator will flash white (on a second/off a second). The power indicator will turn orange or turn off at the end, indicating that the monitor has entered standby or power-off state (maintaining the pre-operation status)."	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	Warning is turned on. Warning will pop up after 23 hours and 50 minutes.	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	Yes: On / Off	Off	Yes: Off/ On	This setting is "On" by default. You can set in the OSD menu	N/A	N/A	Yes: Off/ On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	Off/ On	Default on	N/A	N/A

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (tempo-ral peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumula- tive hours needed for pixel re- fresh to be activated in standby	Cumula- tive hours needed for pixel re- fresh to be activated in DC off	Power require- ment Pixel refresh
AG326UZD2	QD-OLED 4th Gen	EL 3.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shutdown the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in stand- by state."	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	"The monitor will automatically display an "Auto Pixel Refresh" every 24 hours of cumulative usage to remind the user to run the ""Pixel Refresh"" process."	Default on	Pixel re- fresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Con- vex Power Control	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	Yes: On / Off	On	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
Q27G4ZD	QD-OLED 3rd Gen	EL 2.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	"The monitor will automatically display an "Auto Pixel Refresh" every 24 hours of cumulative usage to remind the user to run the ""Pixel Refresh"" process."	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Q27G4SDR	QD-OLED 3rd Gen	EL 2.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	N/A	N/A	N/A	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Q27G41ZDF	QD-OLED Edge (1st Gen)	EL 2.0 (edge)	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	"The monitor will automatically display an "Auto Pixel Refresh" every 24 hours of cumulative usage to remind the user to run the ""Pixel Refresh"" process."	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
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	Yes: On / Off	On	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Q27G4ZDR	QD-OLED Edge (1st Gen)	EL 2.0 (edge)	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	"The monitor will automatically display an "Auto Pixel Refresh" every 24 hours of cumulative usage to remind the user to run the ""Pixel Refresh"" process."	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
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	N/A	N/A	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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AG276QKD2	QD-OLED 3rd Gen	EL 2.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	Warning is turned on. Warning will pop up after 16 hours.	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / 1 / 2 / 3 / 4	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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AG276UZD	QD-OLED 3rd Gen	EL 2.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	Warning is turned on. Warning will pop up after 16 hours.	Default on	Pixel refresh will be activated if monitor is 15 mins in standby mode	After 16 hours of cumulative use, Pixel refresh can be activated when in standby	After 16 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
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	N/A	N/A	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
AG276QZD2	QD-OLED 3rd Gen	EL 2.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	16 hours	Yes: On / Off	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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AG326UD	QD-OLED 3rd Gen	EL 2.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	16 hours	Yes: On / Off	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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AG346UCD	QD-OLED 2nd Gen	EL 1.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	16 hours	Yes: On / Off	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PD34	QD OLED Gen 2	EL 1.0	Glossy	Yes: Off / Slow / Fast	Default setting is Slow	Yes: Off / Weak / Medium / Strong	This function is "On (Weak)" by default,	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	16 hours	Yes: On / Off	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: Off / 1 / 2	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / 1 / 2 / 3	Default off	Yes: Off / On	Default off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
PD49	QD OLED Gen 2	EL 1.0	Glossy	N/A	N/A	Yes: Off / Weak / Medium / Strong	"This function is "On (Weak)" by default, "Weak" moves the least, "Strongest" moves the most, "Off" disables the movement and increases the chance of image retention. This can be set in the OSD menu."	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	Yes: On / Off	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: On / Off	his function is "On" by default, and can be changed in the OSD menu.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
AG456UCZD	W-OLED, 1st Gen	Deutireum	Matte	Always on	This function is "On" by default, and can be changed in the OSD menu.	Yes: Off / Weak / Medium / Strong / Strongest	"This function is "On (Weak)" by default, "Weak" moves the least, "Strongest" moves the most, "Off" disables the movement and increases the chance of image retention. This can be set in the OSD menu"	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	16 hours	Yes: On / Off	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	Yes: On / Off	Default off	Yes: On / Off	This function is "On" by default, and can be changed in the OSD menu	For LG its not a setting. Places where high brightness is detected, will lower brightness in targeted areas	N/A	For LG its not a setting. Places where high brightness is detected, will lower brightness in targeted areas	N/A	N/A	N/A	Yes: On	This function is "On" by default, and cannot be disabled	Yes: On	This function is "On" by default, and cannot be disabled.	N/A	N/A	N/A	N/A

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Model	OLED Generation	EL Generation	Panel Coating	Screen saver / TPC (temporal peak luminance control)	Default	Pixel orbiting	Default	Pixel refresh	Pixel refresh indicator	What happens after pixel refresh	Pixel refresh Maximum duration	Auto Warning	Pixel Refresh reminder	Default	Standby mode	Cumulative hours needed for pixel refresh to be activated in standby	Cumulative hours needed for pixel refresh to be activated in DC off	Power requirement Pixel refresh
AG276QZD	W-OLED, 1st Gen	Deutireum	Matte	Always on	Default on, cannot be disabled	Yes: Off / Weak / Medium / Strong / Strongest	Default: On, weak	Yes: On / Off	"The display will shut-down the screen and run the maintenance cycle. The power indicator will flash white (1 second on/1 second off) while the cycle runs, about 10 minutes. At the end of the cycle the power indicator will turn off and the display will be in standby state"	"Back to original state: standby to standby DC OFF to DC OFF"	24 hours	N/A	Warning is turned on. Warning will pop up every 4 hours.	Default on	Pixel refresh will be activated if monitor is 2 hours in standby mode	After 4 hours of cumulative use, Pixel refresh can be activated when in standby	After 4 hours of cumulative use, Pixel refresh can be activated in DC off	"Can also be activated in DC OFF Pixel refresh in AC OFF: not possible"
	Uniform Brightness	Default	Logos Protection / LEA	Default	Boundary dimmer	Default	Taskbar dimmer	Default	Thermal protection	Default	CPC (Convex Power Control)	Default	Local Brightness control	Default	Zero Frame delay	Default	Icon dimmer	Default
	N/A	N/A	Yes: On / Off	This function is "On" by default, and can be set in the OSD menu.	For LG its not a setting. Places where high brightness is detected, will lower brightness in targeted areas	N/A	For LG its not a setting. Places where high brightness is detected, will lower brightness in targeted areas	N/A	N/A	N/A	Yes: On	This function is "On" by default, and cannot be disabled	Yes: On	This function is "On" by default, and cannot be disabled.	N/A	N/A	N/A	N/A