



Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB0.9 Pro V2- Specifications

Version: V20250916

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	0.93
	Panel Dimensions (WxHxD)/(mm)	600x337.5x39.3
	Pixel Per Panel	640x360
	Panel Weight (kg)	4.4
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm)	150x168.75
Optoelectronic Parameter	Brightness (nit)	1000
	Refresh Rate (Hz)	7680
	Gray scale (Bit)	16
	Contrast Ratio	15000:1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/40
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)	450/150
	Heat Generated(Max./Avg.)(BTU/h/m ²)	1536/512
Application Parameter	Storage Temperature (°C)	-40~+60
	Operating Temperature (°C)	-10~+40
	Storage Humidity (RH)	10%~85%
	Operating Humidity (RH)	10%~80%
	IP Rating (Front/Rear)	IP40/IP21
	Module Maintenance	Front
	PSU & Others Maintenance	Front
	Panel Installation Type	Fixed
	Max Rigging QTY.	15
	Certificate	/

Remark: Power consumption tolerance: $\pm 15\%$, according to the actual situation.

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.2 Pro V2- Specifications

Version: V20250916

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.25
	Panel Dimensions (WxHxD)/(mm)	600x337.5x39.3
	Pixel Per Panel	480x270
	Panel Weight (kg)	4.4
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm)	150x168.75
Optoelectronic Parameter	Brightness (nit)	1000
	Refresh Rate (Hz)	7680
	Gray scale (Bit)	16
	Contrast Ratio	15000:1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/40
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)	400/134
	Heat Generated(Max./Avg.)(BTU/h/m ²)	1365/457
Application Parameter	Storage Temperature (°C)	-40~+60
	Operating Temperature (°C)	-10~+40
	Storage Humidity (RH)	10%~85%
	Operating Humidity (RH)	10%~80%
	IP Rating (Front/Rear)	IP40/IP21
	Module Maintenance	Front
	PSU & Others Maintenance	Front
	Panel Installation Type	Fixed
	Max Rigging QTY.	15
	Certificate	/

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KLCOB1.5 Pro V2- Specifications

Version: V20250825

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.56
	Panel Dimensions (WxHxD)/(mm)	600x337.5x39.3
	Pixel Per Panel	384x216
	Panel Weight (kg)	4.3
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm)	150x168.75
Optoelectronic Parameter	Brightness (nit)	1000
	Refresh Rate (Hz)	7680
	Gray scale (Bit)	15
	Contrast Ratio	15000 : 1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/24
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)	400/134
	Heat Generated(Max./Avg.)(BTU/h/m ²)	1365/457
Application Parameter	Storage Temperature (°C)	-40~+60
	Operating Temperature (°C)	-10~+40
	Storage Humidity (RH)	10%~85%
	Operating Humidity (RH)	10%~80%
	IP Rating (Front/Rear)	IP40/IP21
	Module Maintenance	Front
	PSU & Others Maintenance	Front
	Panel Installation Type	Fixed
	Max Rigging QTY.	15
	Certificate	CE,FCC

Remark: Power consumption tolerance: $\pm 15\%$, according to the actual situation.

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.8 Pro V2- Specifications

Version: V20250825

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.87
	Panel Dimensions (WxHxD)/(mm)	600x337.5x39.3
	Pixel Per Panel	320x180
	Panel Weight (kg)	4.3
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm)	150x168.75
Optoelectronic Parameter	Brightness (nit)	1000
	Refresh Rate (Hz)	7680
	Gray scale (Bit)	15
	Contrast Ratio	15000 : 1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/20
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)	396/132
	Heat Generated(Max./Avg.)(BTU/h/m ²)	1352/451
Application Parameter	Storage Temperature (°C)	-40~+60
	Operating Temperature (°C)	-10~+40
	Storage Humidity (RH)	10%~85%
	Operating Humidity (RH)	10%~80%
	IP Rating (Front/Rear)	IP40/IP21
	Module Maintenance	Front
	PSU & Others Maintenance	Front
	Panel Installation Type	Fixed
	Max Rigging QTY.	15
	Certificate	CE,FCC

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