



Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB0.7 V2 - Specifications

Version: V20250813

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	0.78
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	768x432
	Panel Weight (kg /lbs)	4.6(10.12)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
Optoelectronic Parameter	Brightness (nit)	800
	Refresh Rate (Hz)	3840
	Gray scale (Bit)	16
	Contrast Ratio	15000:1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/64
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)/(W/ft ²)	450/150(41.81/13.94)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1536/512(142.56/47.52)
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	CCC,CE,ETL,FCC,UKCA

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

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB0.9 V2 - Specifications

Version: V20260204

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	0.93
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	640x360
	Panel Weight (kg /lbs)	4.4(9.68)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
Optoelectronic Parameter	Brightness (nit)	800
	Refresh Rate (Hz)	3840
	Gray scale (Bit)	13
	Contrast Ratio	15000:1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/54
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)/(W/ft ²)	395/132(36.7/12.26)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1348/451(125.13/41.82)
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	CCC,CE,ETL,FCC,UKCA

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.2 V2 - Specifications

Version: V20260204

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.25
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	480x270
	Panel Weight (kg /lbs)	4.4(9.68)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
Optoelectronic Parameter	Brightness (nit)	800
	Refresh Rate (Hz)	3840
	Gray scale (Bit)	13
	Contrast Ratio	15000:1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/60
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)/(W/ft ²)	350/117(32.52/10.87)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1195/399(110.88/37.06)
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	CCC,CE,ETL,FCC,UKCA

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.5 V2 - Specifications

Version: V20260204

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.56
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	384x216
	Panel Weight (kg /lbs)	4.4(9.68)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
Optoelectronic Parameter	Brightness (nit)	800
	Refresh Rate (Hz)	3840
	Gray scale (Bit)	13
	Contrast Ratio	15000:1
	Color Temperature (K)	6500
	Viewing Angle (H/V) (°)	160/160
	Driving Type	1/54
	AC Operating Voltage (V)	100~240
	Power Consumption (Max./Avg.)(W/m ²)/(W/ft ²)	326/109(30.29/10.13)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1113/372(103.27/34.53)
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	CCC,CE,ETL,FCC,UKCA

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB0.9 Pro V2 - Specifications

Version: V20260410

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	0.93
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	640x360
	Panel Weight (kg /lbs)	4.4(9.68)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
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)/(W/ft ²)	450/150(41.81/13.94)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1536/512(142.56/47.52)
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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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.2 Pro V2 - Specifications

Version: V20260410

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.25
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	480x270
	Panel Weight (kg /lbs)	4.4(9.68)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
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)/(W/ft ²)	400/134(37.16/12.45)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1365/457(126.72/42.45)
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	FCC,CE

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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.5 Pro V2 - Specifications

Version: V20260410

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.56
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	384x216
	Panel Weight (kg /lbs)	4.3(9.46)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
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)/(W/ft ²)	400/134(37.16/12.45)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1365/457(126.72/42.45)
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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Shenzhen Absen Optoelectronic Co., Ltd.

KLCOB1.8 Pro V2 - Specifications

Version: V20260410

Parameter		Value
Physical Parameter	LED Type	Flip-Chip COB
	Pixel Pitch (mm)	1.87
	Panel Dimensions (WxHxD)/(mm /inch)	600x337.5x39.3(23.62x13.29x1.55)
	Pixel Per Panel	320x180
	Panel Weight (kg /lbs)	4.3(9.46)
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm /inch)	150x168.75(5.91x6.64)
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)/(W/ft ²)	396/132(36.79/12.26)
	Heat Generated(Max./Avg.)(BTU/h/m ²) / (BTU/h/ft ²)	1352/451(125.45/41.82)
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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