

		LBS060DA3D	LBS080DA3D	LBS100DA3D	LBS120DA3D	LBS160DA3D
PHYSICAL PARAMETERS	Pixel Configuration	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	6.00	8.00	10.70	12.00	16.00
	Module Resolution (W × H)	32 × 32	24 × 24	18 × 18	16 × 16	12 × 12
	Module Dimensions (W × H, mm)	192 × 192	192 × 192	192 × 192	192 × 192	192 × 192
	Weight per Module (kg)	0.54	0.57	0.56	0.56	0.56
	No. of Modules per Unit Case (W × H)	6 × 4	8 × 8	8 × 8	8 × 8	8 × 8
	Unit Case Resolution (W × H)	192 × 128	192 × 192	144 × 144	128 × 128	96 × 96
	Unit Case Dimensions (W × H × D, mm)	1,152 × 768 × 217	1,536 × 1,536 × 222	1,536 × 1,536 × 222	1,536 × 1,536 × 223	1,536 × 1,536 × 227
	Unit Case Surface Area (m ²)	0.885	2.359	2.359	2.359	2.359
	Weight per Unit Case (kg/unit)	42.0	104.0	104.0	104.0	104.0
	Weight per Square Meter (kg/m ²)	47.5	44.1	44.1	44.1	44.1
	Physical Pixel Density (pixels/m ²)	27,777	15,625	8,789	6,944	3,906
	Flatness of Unit Case (mm)	±1.0	±1.0	±1.0	±1.0	±1.0
	Unit Case Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Service Access	Front or Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
OPTICAL SPECIFICATIONS	Brightness (After Calibration)	6,000 cd/m ²	6,000 cd/m ²	6,000 cd/m ²	6,000 cd/m ²	6,000 cd/m ²
	Color Temperature	3,500 ~ 8,500	3,500 ~ 8,500	3,500 ~ 8,500	3,500 ~ 8,500	3,500 ~ 8,500
	Viewing Angle (H × V)	160 × 135	160 × 135	160 × 145	160 × 125	160 × 105
	Brightness Uniformity	≥97%	≥97%	≥97%	≥97%	≥97%
	Color Uniformity	±0.05Cx,Cy	±0.05Cx,Cy	±0.05Cx,Cy	±0.05Cx,Cy	±0.05Cx,Cy
	Contrast Ratio	3,000	3,000	3,000	3,000	3,000
	Processing Depth (bit)	16	16	16	16	16
ELECTRICAL SPECIFICATIONS	Power Consumption (W/Unit, Avg.)	232	552	580	584	584
	Power Consumption (W/Unit, Max.)	580	1,380	1,450	1,460	1,460
	Power Consumption (W/m ² , Max.)	656	585	615	619	619
	Power Supply (V)	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	4,000	4,000	4,000	4,000	4,000
OPERATION SPECIFICATIONS	Lifetime (Half brightness)	100,000	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	Operating Humidity	< 90%RH	< 90%RH	< 90%RH	< 90%RH	< 90%RH
	IP rating Front	IP65	IP65	IP65	IP65	IP65
	IP rating Rear	IP54	IP54	IP54	IP54	IP54
CERTIFICATION	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1
	EMC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC
	Environment	RoHS	RoHS	RoHS	RoHS	RoHS
CONTROLLER		LCLH001	LCLH001	LCLH001	LCLH001	LCLH001

*Specifications are subject to change without notice and the lifetime (Half brightness) spec is subject to LED package spec.

		LBF160DA1D	LBB160DA1D2
PHYSICAL PARAMETERS	Pixel Configuration	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	16.00	16.00
	Module Resolution (W × H)	12 × 12	12 × 12
	Module Dimensions (W × H, mm)	192 × 192	192 × 192
	Weight per Module (kg)	0.56	0.58
	No. of Modules per Unit Case (W × H)	4 × 5	8 × 5
	Unit Case Resolution (W × H)	48 × 60	96 × 60
	Unit Case Dimensions (W × H × D, mm)	768 × 960 × 254	1,536 × 960 × 215
	Unit Case Surface Area (m ²)	0.737	1.475
	Weight per Unit Case (kg/unit)	40.0	71.0
	Weight per Square Meter (kg/m ²)	54.3	48.1
	Physical Pixel Density (pixels/m ²)	3,906	3,906
	Flatness of Unit Case (mm)	±1.0	±1.0
	Unit Case Material	Aluminum	Aluminum
	Service Access	Top	Front and Rear
OPTICAL SPECIFICATIONS	Brightness (After Calibration)	6,000 cd/m ²	6,000 cd/m ²
	Color Temperature	3,500 ~ 8,500	3,500 ~ 8,500
	Viewing Angle (H × V)	160 × 105	160 × 105
	Brightness Uniformity	≥97%	≥97%
	Color Uniformity	±0.05Cx,Cy	±0.05Cx,Cy
	Contrast Ratio	3,000	3,000
	Processing Depth (bit)	16	16
ELECTRICAL SPECIFICATIONS	Power Consumption (W/Unit, Avg.)	184	372
	Power Consumption (W/Unit, Max.)	460	930
	Power Consumption (W/m ² , Max.)	624	631
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	4,000	4,000
OPERATION SPECIFICATIONS	Lifetime (Half brightness)	100,000	100,000
	Operating Temperature (°C)	-20°C to +50°C	-20°C to +50°C
	Operating Humidity	< 90%RH	10-90%RH
	IP rating Front	IP65	IP65
	IP rating Rear	IP43	IP54
CERTIFICATION	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1
	EMC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC
	Environment	RoHS	RoHS
CONTROLLER		LCLH001	LCLH001

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