

OVERVIEW	FEATURES	OUTDOOR SMD						OUTDOOR DIP					
MECHANICAL	Model Name	EIII 6mm	EIII 8mm	EIII 10mm	"EIII 10mm HD4K"	EIII 12mm	EIII 16mm	EII 10mm	EII 13mm	EII 16mm	EII 20mm	EII 26mm	
	Structure type	EIII	EIII	EIII	EIII	EII	EII	EII	EII	EII	EII	EII	
	Physical pitch	6.41mm	8mm	10.6mm	10.3mm	12mm	16mm	10.6mm	13.3mm	16mm	20mm	26.6mm	
	Model Number	VFO6.4BLT	VFO8LT	VFO10.6LT	VFO10.3LTS	VFO12LT	VFO16LT	VFO10.6DLT	VFO13.3DLT	VFO16DLT	VFO20DLT	VFO26.6DLT	
	Optional structure ref Drawing	BSxVFOxxxPL EIII / FSxVFOxxxPL EIII / RxVFOxxxPLEIII						BSxVFOxxxPL EII / FSxVFOxxxPL EII / RxVFOxxxPLEII					
	Cabinet Material	ALUMINUM, PLASTIC, STAINLESS STEEL											
	Cabinet Surface (SQM)	0.589			0.436	0.589			0.6144				
	Standard Cabinet Size (WxHxD mm)	768 x 768 x 124			660.4 x 660.4 x 124		768 x 768 x 124			640 x 960 x 124			
	Cabinet Resolution WxH (pixels)	156 X 156	96 X 96	72 X 72	64 X 64		48 x 48	72 X 72	48 x 72	40 x 60	32 x 48	24 x 36	
	Cabinet Weight (KG)	24			18	24			25				
	Cabinet Flatness (mm)							<= 0.3					
	Pixel Density (SQM)	24336	15625	8789	9425	6944	3906	8789	5625	3906	2500	1406	
	Tile Size (mm) L x H	384 x 192 (2 x 4 per panel)			330.2 x 165.1 (2 x 4 per panel)		384 x 192 (2 x 4 per panel)			320 x 320 (2 x 4 per panel)			
	Tile Resolution (pixels)	60 x 30	48 x 24	36 x 18	32 X 16			24 x 12	36 x 18	24 x 24	20 x 20	16 x 16	12 x12
Pitch Tolerece	0.05mm												
IP Grade	Tiles IP67 PSU IP54 (optional IP65 PSU)												
Voltage	110/220VAC, 50-60HZ												
LED Type	3 in 1 SMD 3535 True Black	3 in 1 SMD 3535 Black Body (Optional led available)					DIP 346						
Power Supply Unit	x2 - 320W Meanwell (TDK Lamda optional)												
Power Supply Redundancy	Optional on E3 and E2 structure only (Dynamic Brightness Management)												
Data Line Redundancy	Yes (Real Time Watchdog Monitoring) data and fault log and pixel check function optional												
AV-input	DVI Dual link / HDMI 1.4 - HD4K optional on LDU9000												
Gamma	Dynamic Gama DuJal Map 1.8 2.0 2.1 2.2 and custom on independant color												
Operating Humidity Range	0-90%												
Greyscale	16 bit (Optional 20 bit for HD4K)												
Refresh Frequency	>4000HZ on MSB and LSB Grey scale and special proprietary cross scanning technology .												
Brightness Control	100 levels by manual control or scheduler / 256 levels by light sensor (Optionnal UDP command for external control through TCPIP)												
White Balance Brightness at 6500K after Calibration	5500 Nits	6500 Nits (optional 7500 nits)		8000 Nits	6500 Nits (optional 7500 nits)								
Operating Temp. Range	-35 to 65 °C												
Scanning Mode	1/2 Cross Scan			Static Drive	1/2 Cross Scan								
Color Temperature	3200K to 9500K (4 fix Presets and 1 Custom)												
Dot Brightness Calibration	Yes (Using Radian Camera, Stored In Tiles with auto calibration for easy maintenance) Real time user selectable HD2K or HD4K color space. Selft user tiles color space ajustement without calibration camera.												
Brightness Uniformity	+2%												
Color Calibration	Patented eclusive HD2K or HD4K user selectable with calibration stored in tiles.												
Chroma Uniformity	+- 0.002 (Cx, Cy)												
Frame Rate Hz	50 / 60 / 100 / 120 optional 240 and 3D active processing												
Typical lifetime	>= 100 000 hrs : MTBF 25 000 hrs												
Maintainance Acces	Rear (Front Acces Optional)												
Viewing Angle	>= 170° x 170° (H +75.5 / -75.5 and +V75.5 / - 75.5)						>= 160° x 70° (H +80 / -80 and +V37.5 / - 37.5) Optional V bending						
"Directivity Angle (viewing angle at 50% brightness)"	140° x 140°						>= 140° x 55° (H +70 / -70 and +V27.5 / - 27.5) Optional V bending						
LED Binning Wavelenght	+/-1.5Nm												
LED Binning Brightness	+/-2.5%												
MAX. Thermal load BTU (per cabinet)	663			490	663			464					
Avg. Thermal load BTU (per cabinet)	211			164	211			155					
LDU2800-8000 (Video encoder)	2-4 Gigabyte output with full redundancy between controllers , 20bit color processing. Optional Offline player built in, NTCPI, Artnet												
Control Sytem	Maximum (per cabinet)	650 Wh			552 Wh	650 Wh			455 Wh				
Power Consumption	Average (per cabinet)	250 Wh			184 Wh	250 Wh			180 Wh				