TECHNICAL DATASHEET / INDOOR

COB BETA



PRODUCT SPECIFICATION			
Pixel pitch (mm)	P1.25	P1.538	P1.86
Model code	CB-I-P125	CB-I-P153	CB-I-P186
DISPLAY PERFORMANCE			
Pixel technology	Flip-chip COB		
Pixel density (pixels/m²)	640,000	422,500	288,906
Brightness (nits)	600		
Cabinet resolution (px)	512 × 384	416 × 312	344 × 258
Module resolution (px)	256 × 128	208 × 104	172 × 86
Scan mode	1/64	1/52	1/43
Refresh rate (Hz)	3,840		
Grayscale	16 bit		
Contrast ratio	10,000:1		
Viewing angle (H / V)	175° / 175°		
MECHANICAL			
Cabinet size (W × H × D)	640 × 480 × 59 mm		
Module size (W × H)	320 × 160 mm		
Cabinet net weight	7.5 kg		
Cabinet material	Die-cast aluminum		
Service access	Front		
ELECTRICAL			
Input voltage	100-240 V AC		
Average power (W/m²)	100		
Maximum power (W/m²)	290		
ENVIRONMENT			
IP rating (front / rear)	IP54 / IP31		
Operating temperature	-10 to +40°C		
Relative humidity	10%-90%		
CONTROL & WARRANTY			
Control system	NovaStar / Colorlight		
Warranty	2 years		

Common-cathode design. Six modules per standard cabinet (2 across × 3 high).
Specifications apply to the standard cabinet. Custom builds are quoted per project.