

R12-ER

indoor/outdoor LED panels

12.5mm dot pitch model



rental



concerts



sports events



exhibitions

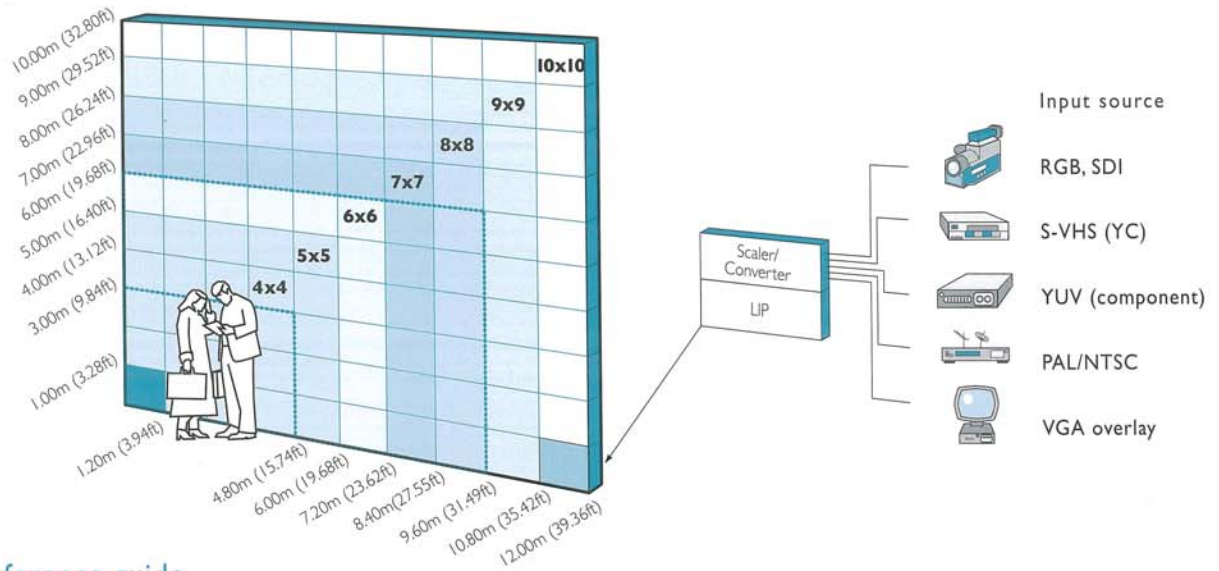
The new Enhanced Resolution technology from Lighthouse in the R12-ER offers the very best in higher image resolution. With 12.5mm dot pitch resolution, 14 bit greyscale and Lighthouse's industry leading M4 colour and brightness correction system giving enhanced resolution in a cost effective package.

Available in sleek, lightweight panels, the R12-ER is the ideal display choice for any application.

create impact

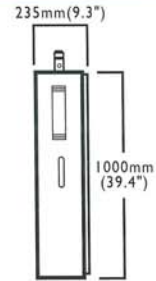
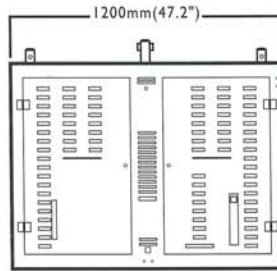
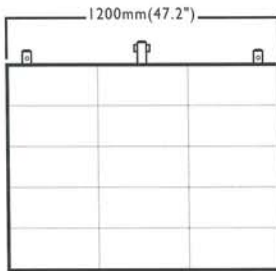
R12-ER indoor/outdoor LED panel

configurations



quick reference guide

R12-ER



brightness	5000 nits	data refresh rate (typical)	100,000 Hz
viewing angle horizontal	140° (50% brightness)	video frame rate	50/60 Hz
viewing angle vertical	40° (50% brightness)	display input (via Scaler & LIP)	RGB HV, YUV, YC, SDI Composite (HD-SDI optional)
dot pitch	12.5mm	lifetime (50% brightness)	>50,000 hours
pixel pitch	25.0mm	panel diagonal	1562mm (61.5")
pixel density	1600 per m ²	operating temperature	-20 to 40°C
pixel configuration	RGB 1,2,1	power consumption (typical)*	320 watts
colours	4.4 trillion		
digital processing	14 bit		

6:5 Aspect Ratio							Panel	Average power consumption*		
R12-ER panel	panel total	Size (m ²)	Size (ft ²)	Dimensions w x h (m) w x h (ft)		Dot resolution w x h	Total weight kg (lb)	Total (watts)	I Phase (amps)	I Phase (amps)
1	1	1.20	12.91	1.20 x 1.00	3.94 x 3.28	96 x 80	75 (165)	288	1.2	2.6
4 x 4	16	19.20	206.59	4.80 x 4.00	15.74 x 13.12	384 x 320	1200 (2646)	4608	19.2	41.9
5 x 5	25	30.00	322.80	6.00 x 5.00	19.68 x 16.40	480 x 400	1875 (4134)	7200	30	65.4
6 x 6	36	43.20	464.83	7.20 x 6.00	23.62 x 19.68	576 x 480	2700 (5954)	10368	43.2	94.2
7 x 7	49	58.80	632.69	8.40 x 7.00	27.55 x 22.96	672 x 560	3675 (8103)	14112	58.8	128.2
8 x 8	64	76.80	826.37	9.60 x 8.00	31.49 x 26.24	768 x 640	4800 (10584)	18432	76.8	167.6
9 x 9	81	97.20	1045.87	10.80 x 9.00	35.42 x 29.52	864 x 720	6075 (13395)	23328	97.2	212.1
10 x 10	100	120.00	1291.20	12.00 x 10.00	39.36 x 32.80	960 x 800	7500 (16538)	28800	120	261.8

* Based on typical power consumption being 40% of maximum.
 Flightcase available upon request.
 Alternative processing systems are available for large screen size.
 Lighthouse reserves the right to change any specifications without notice.