

R7-ER

## outdoor LED panels

7mm Rental Outdoor Enhanced Resolution



**rental**



**concerts**



**sports events**



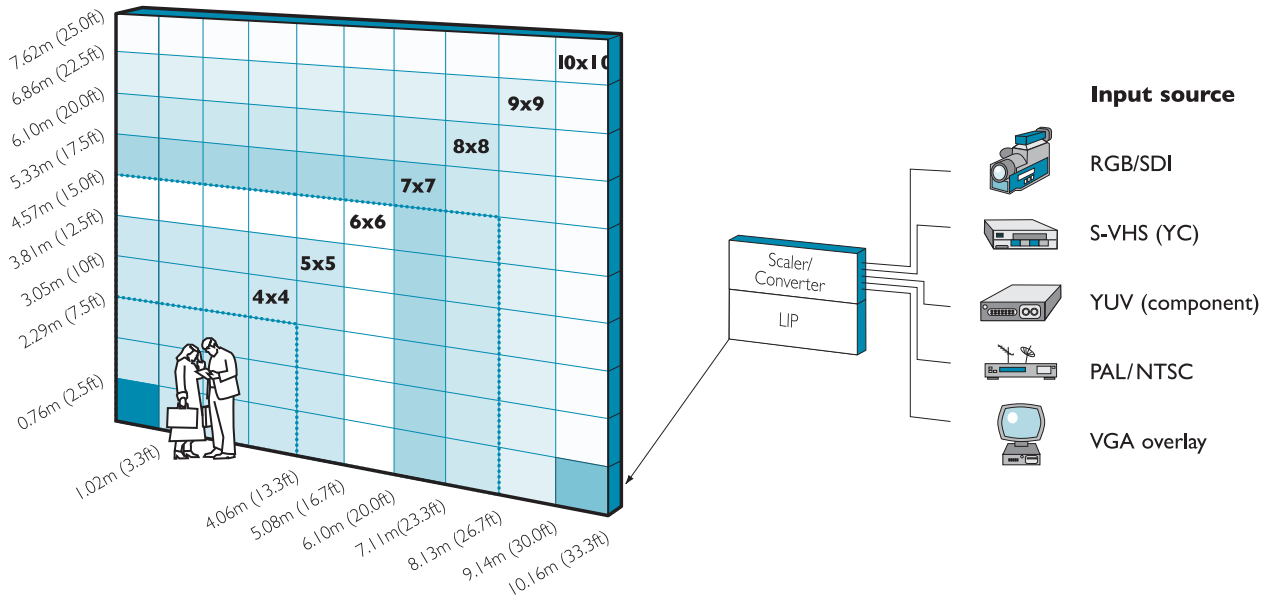
**exhibitions**

With a 7mm visual pitch, Lighthouse's latest R7-ER LED screen offers a higher effective image resolution from the same size panel as its 16mm counterpart. Featuring 5000 nits brightness, Lighthouse's award winning M4 colour uniformity system and weatherproof design, R7-ER is particularly suitable for outdoor applications.

R7-ER's slim casing and modular design makes it by far the most easy to set up product to use for rental applications. The best and most economical choice for a multitude of events, including car shows, exhibitions and corporate promotions, its combination of image quality and installation simplicity is unsurpassed in the LED screen market.

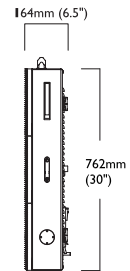
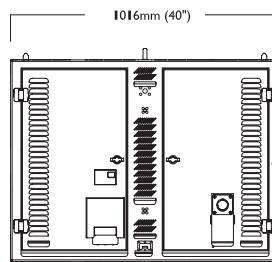
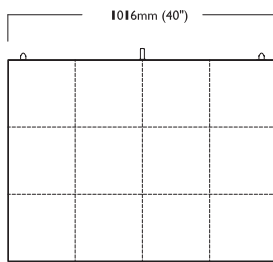
# R7-ER outdoor LED panel

## configurations



## quick reference guide

### R7-ER



<b>brightness</b>	5000 nits
<b>viewing angle horizontal</b>	140° (50% brightness)
<b>viewing angle vertical</b>	45° (50% brightness)
<b>contrast ratio (typical)</b>	2,000:1
<b>visual resolution</b>	7mm
<b>visual density</b>	15876 dots per m <sup>2</sup>
<b>pixel configuration</b>	RGB 1, 2, 1
<b>colours</b>	4.4 trillion
<b>processing depth</b>	14 bit

<b>data refresh rate (typical)</b>	100,000 Hz
<b>video frame rate</b>	50/60 Hz
<b>display input</b>	RGB HV, YUV, YC, SDI Composite (HD-SDI optional)
<b>lifetime (50% brightness)</b>	≥75,000 hours
<b>diagonal</b>	1,269mm (50")
<b>operating temperature</b>	-20 to 50°C
<b>max.power consumption</b>	634 watts

Standard 4:3 aspect ratio (16:9 aspect also possible)

R7-ER Panel	Panel total	Size (m <sup>2</sup> )	Size (ft <sup>2</sup> )	Dimensions		Dot resolution w x h	Total weight kg (lb)	Max power consumption		
				w x h (m)	w x h (ft)			Europe (240 volts)	US (110 volts)	I Phase (amps)
1	1	0.77	8.33	1.02 x 0.76	3.3 x 2.5	128 x 96	48 (105.6)	634	2.6	5.8
4 x 4	16	12.4	133.33	4.06 x 3.05	13.3 x 10.0	2048 x 1536	768 (1689.6)	10144	42.3	92.2
5 x 5	25	19.4	208.33	5.08 x 3.81	16.7 x 12.5	3200 x 2400	1200 (2640)	15850	66.0	144.1
6 x 6	36	27.9	300.00	6.10 x 4.57	20.0 x 15.0	4608 x 3456	1728 (3801.6)	22824	95.1	207.5
7 x 7	49	37.9	408.33	7.11 x 5.33	23.3 x 17.5	6272 x 4704	2352 (5174.4)	31066	129.4	282.4
8 x 8	64	49.6	533.33	8.13 x 6.10	26.7 x 20.0	8192 x 6144	3072 (6758.4)	40576	169.1	368.9
9 x 9	81	62.7	675.00	9.14 x 6.86	30.0 x 22.5	10368 x 7776	3888 (8553.6)	51354	214.0	466.9
10 x 10	100	77.4	833.33	10.16 x 7.62	33.3 x 25.0	12800 x 9600	4800 (10560)	63400	264.2	576.4

Flightcase available upon request.

Alternative processing systems are available for larger screen sizes.

Lighthouse reserves the right to change any specifications without notice.

**Lighthouse Technologies Ltd.**

**Asia:** T +852 2192 1688 • **Europe:** T +44 (0)20 8380 9500 • **USA:** T +1 866 345 8288 • **E:** info@lighthouse-tech.com • www.lighthouse-tech.com