

R10-ER

outdoor LED panels

10mm visual resolution model

**rental****concerts****sports events****exhibitions**

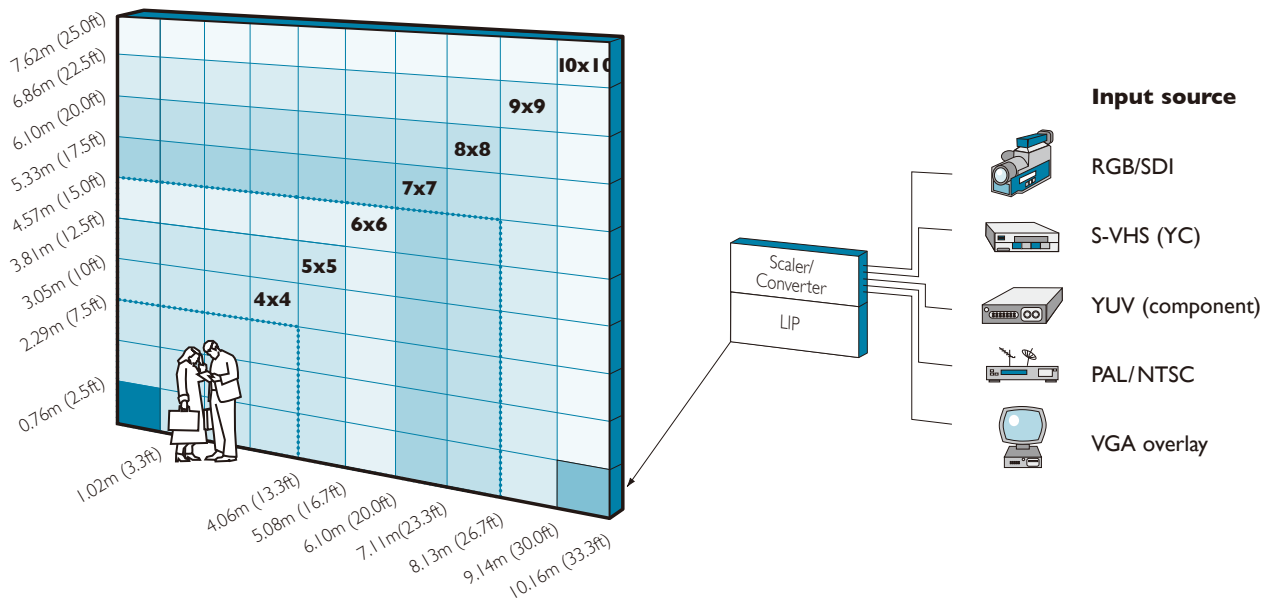
Utilizing Lighthouse's unique Enhanced Resolution technology, the R10-ER offers high-quality video application with a 10mm visual resolution.

Featuring 5,000nit-high brightness, a wide viewing angle, excellent colour uniformity advantage and weatherproof features, the R10-ER is the cost-effective LED display choice for both indoor and outdoor rental applications.

create **impact**

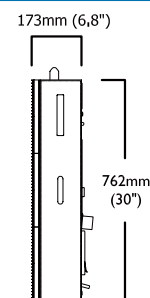
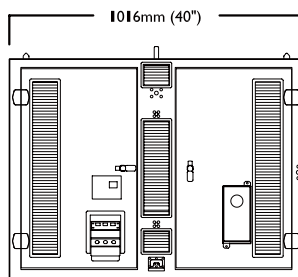
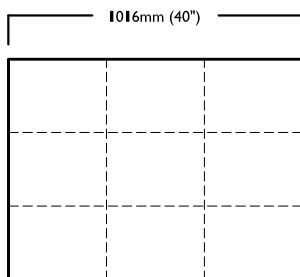
R10-ER outdoor LED panel

configurations



quick reference guide

R10-ER



brightness	5000 nits
viewing angle horizontal	140° (50% brightness)
viewing angle vertical	50° (50% brightness)
contrast ratio (typical)	2,000:1
visual resolution	10mm
pixel density	8928 per m ²
pixel configuration	RGB 1, 2, 1
colours	4.4 trillion
processing depth	14 bit

data refresh rate (typical)	100,000 Hz
video frame rate	50/60 Hz
display input	RGB HV, YUV, YC, SDI Composite (HD-SDI optional)
lifetime (50% brightness)	≥75,000 hours
diagonal	1,269mm (50")
operating temperature	-20 to 40°C
max.power consumption	490 watts

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

R10-ER Panel	Panel total	Size (m ²)	Size (ft ²)	Dimensions		Pixel resolution w x h	Panel	Max power consumption		
				w x h (m)	w x h (ft)			Total (watts)	I Phase (amps)	I Phase (amps)
1	1	0.77	8.33	1.02 x 0.76	3.3 x 2.5	96 x 72	49 (107.8)	490	2.0	4.5
4 x 4	16	12.4	133.33	4.06 x 3.05	13.3 x 10.0	384 x 288	784 (1724.8)	7840	32.7	71.3
5 x 5	25	19.4	208.33	5.08 x 3.81	16.7 x 12.5	480 x 360	1225 (2695)	12250	51.0	111.4
6 x 6	36	27.9	300.00	6.10 x 4.57	20.0 x 15.0	576 x 432	1764 (3880.8)	17640	73.5	160.4
7 x 7	49	37.9	408.33	7.11 x 5.33	23.3 x 17.5	672 x 504	2401 (5282.2)	24010	100.0	218.3
8 x 8	64	49.6	533.33	8.13 x 6.10	26.7 x 20.0	768 x 576	3136 (6899.2)	31360	130.7	285.1
9 x 9	81	62.7	675.00	9.14 x 6.86	30.0 x 22.5	864 x 648	3969 (8731.8)	39690	165.4	360.8
10 x 10	100	77.4	833.33	10.16 x 7.62	33.3 x 25.0	960 x 720	4900 (10780)	49000	204.2	445.5

Flightcase available upon request.

Alternative processing systems are available for larger screen sizes.

Lighthouse reserves the right to change any specifications without notice.

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