

R10

## super quiet LED panels

10mm Rental model



-  rental
-  concerts
-  exhibitions
-  conferences
-  TV studios

Setting the standard for indoor rental applications, the R10 is the new generation of Lighthouse's award winning LED panels.

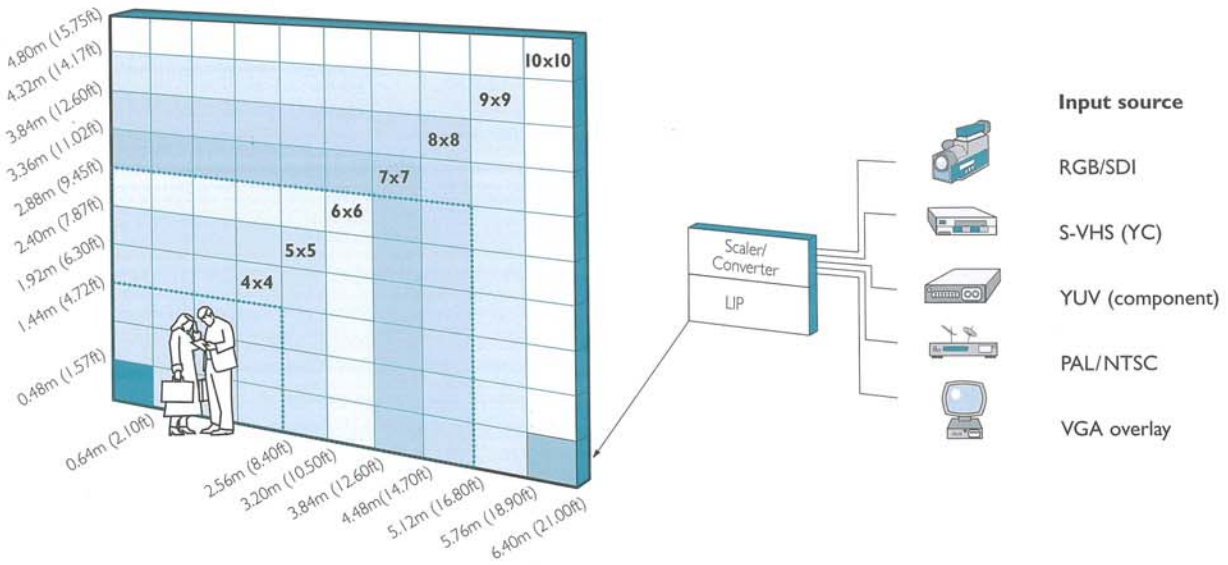
The fanless design gives an extremely quiet screen that has been created for situation where noise level needs to be kept to an absolute minimum.

Available in the standard "D" panel packaging with M4 colour calibration and 14 bit greyscale rendering the success of the R10 continues.

create impact

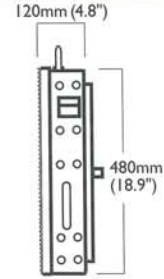
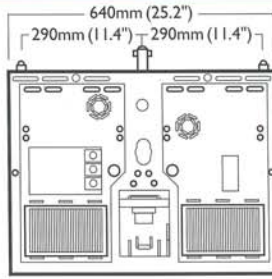
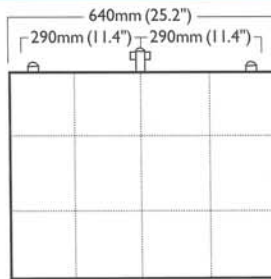
# R10 super quiet LED panel

## configurations



## quick reference guide

R10



<b>brightness</b>	2000 nits
<b>viewing angle horizontal</b>	140° (50% brightness)
<b>viewing angle vertical</b>	140° (50% brightness)
<b>pixel pitch</b>	10mm
<b>pixel density</b>	10,000 per m <sup>2</sup>
<b>pixel configuration</b>	SMD 1, 1, 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 (via Scaler &amp; LIP)</b>	SDI, RGB, YUV, YC, Composite (HD-SDI optional)
<b>lifetime (50% brightness)</b>	>50,000 hours
<b>diagonal</b>	800mm (31.5")
<b>operating temperature</b>	0 to 35°C
<b>power consumption (typical)*</b>	100 watts

Standard 4:3 aspect ratio (16:9 aspect also possible)								Average power consumption* Europe (240 volts) US (110 volts)		
R10 panel	Panel total	Size (m <sup>2</sup> )	Size (ft <sup>2</sup> )	Dimensions w x h (m) w x h (ft)		Pixel resolution w x h	Total weight <sup>††</sup> kg (lb)	Total (watts)	I Phase (amps)	I Phase (amps)
1	1	0.31	3.31	0.64 x 0.48	2.10 x 1.57	64 x 48	21(46.2)	100	0.4	0.9
4 x 4	16	4.92	52.91	2.56 x 1.92	8.40 x 6.30	256 x 192	336(739.2)	1600	6.7	14.60
5 x 5	25	7.68	82.67	3.20 x 2.40	10.50 x 7.87	320 x 240	525(1155)	2500	10.4	22.7
6 x 6	36	11.06	119.04	3.84 x 2.88	12.60 x 9.45	384 x 288	756(1663)	3600	15	32.7
7 x 7	49	15.05	162.03	4.48 x 3.36	14.70 x 11.02	448 x 336	1029(2264)	4900	20.4	44.5
8 x 8	64	19.66	211.63	5.12 x 3.84	16.80 x 12.60	512 x 384	1344(2957)	6400	26.7	58.2
9 x 9	81	24.88	267.84	5.76 x 4.32	18.90 x 14.17	576 x 432	1701(3742)	8100	33.8	73.6
10 x 10	100	30.72	330.67	6.40 x 4.80	21.00 x 15.75	640 x 480	2100(4620)	10000	41.7	90.9

\*Based on typical power consumption being 40% of maximum.  
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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