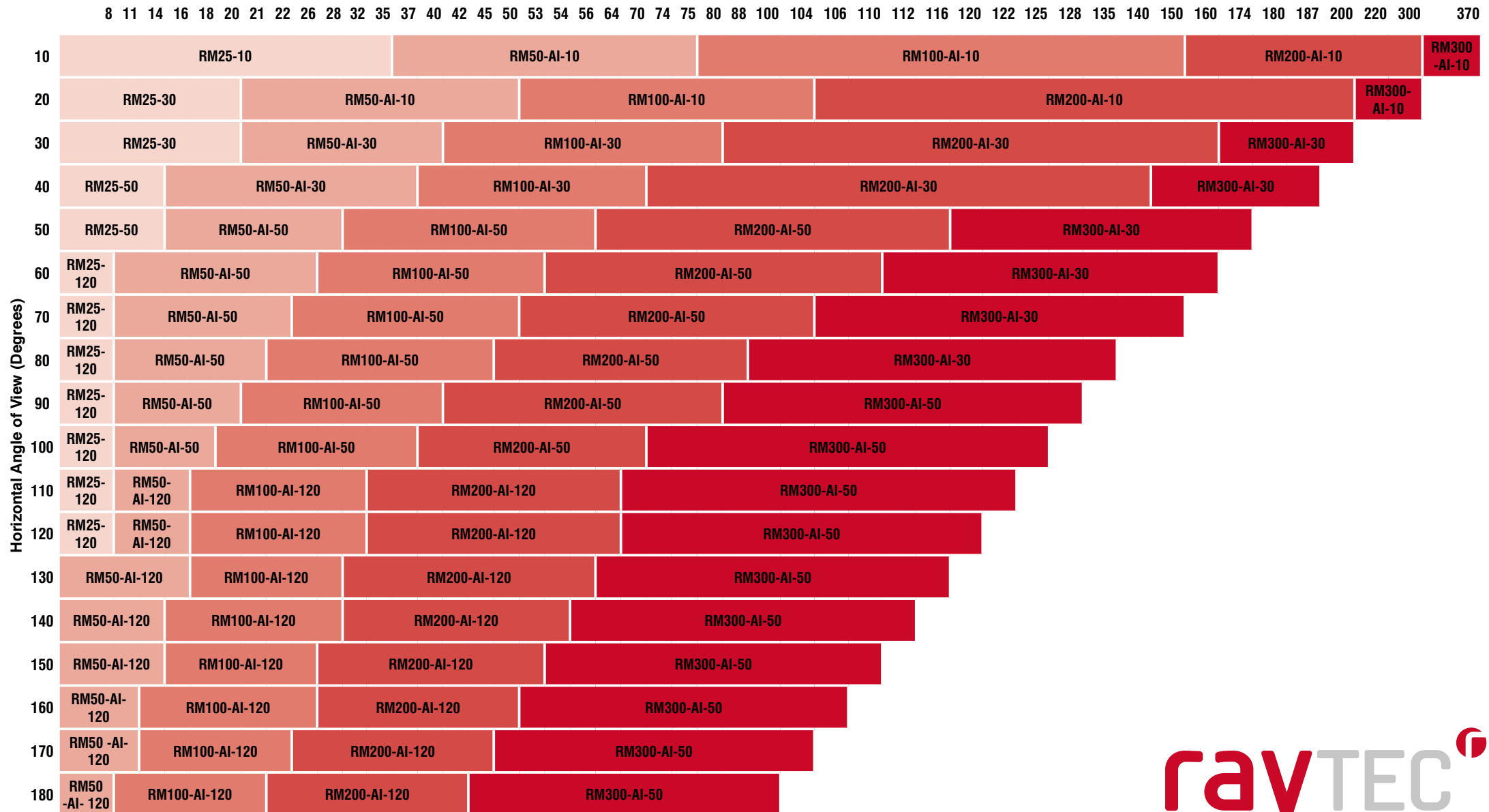


rayMAX INFRA-RED DISTANCE CHART



Maximum Distance (Metres) (Not shown to scale)



Horizontal Angle of View (Degrees)

rayLUX WHITE-LIGHT DISTANCE CHART

Distances for Surveillance purposes only – NOT for general area illumination



Maximum Distance (Metres) (Not shown to scale)

| Horizontal Angle of View (Degrees) | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 | 22 | 23 | 25 | 26 | 28 | 30 | 32 | 34 | 36 | 39 | 40 | 42 | 45 | 46 | 53 | 56 | 59 | 60 | 63 | 65 | 66 | 69 | 70 | 72 | 75 | 78 | 80 | 81 | 85 | 87 | 90 | 94 | 100 | 105 | 112 | 120 | 121 | 130 | 140 | 190 | 200 | 240 |
|------------------------------------|-------------|-------------|--------------|--------------|----|----|--------------|----|----|----|----|----|--------------|-------------|----|-------------|----|----|-------------|-------------|----|----|----|----|-------------|----|----|----|----|----|----|-------------|----|----|----|----|-------------|----|----|----|----|----|-------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | RL25-30 | | | | | | | | | | | | RL50-AI-10 | | | | | | | | | | | | RL100-AI-10 | | | | | | | | | | | | RL200-AI-10 | | | | | | RL300-AI-10 | | | | | | | | | | | |
| 20 | RL25-30 | | | | | | | | | | | | RL50-AI-10 | | | | | | | | | | | | RL100-AI-10 | | | | | | | | | | | | RL200-AI-10 | | | | | | RL300-AI-10 | | | | | | | | | | | |
| 30 | RL25-30 | | | | | | | | | | | | RL50-AI-30 | | | | | | | | | | | | RL100-AI-30 | | | | | | | | | | | | RL200-AI-30 | | | | | | RL300-AI-30 | | | | | | | | | | | |
| 40 | RL25-50 | | | | | | RL50-AI-30 | | | | | | | | | | | | RL100-AI-30 | | | | | | RL200-AI-30 | | | | | | | | | | | | RL300-AI-30 | | | | | | | | | | | | | | | | | |
| 50 | RL25-50 | | | | | | RL50-AI-50 | | | | | | | | | | | | RL100-AI-50 | | | | | | RL200-AI-50 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | |
| 60 | RL25-120 | RL50-AI-50 | | | | | | | | | | | | RL100-AI-50 | | | | | | RL200-AI-50 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | |
| 70 | RL25-120 | RL50-AI-50 | | | | | | | | | | | | RL100-AI-50 | | | | | | RL200-AI-50 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | |
| 80 | RL25-120 | RL50-AI-50 | | | | | | | | | | | | RL100-AI-50 | | | | | | RL200-AI-50 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | |
| 90 | RL25-120 | RL50-AI-50 | | | | | | | | | | | | RL100-AI-50 | | | | | | RL200-AI-50 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | |
| 100 | RL25-120 | RL50-AI-50 | | | | | | | | | | | | RL100-AI-50 | | | | | | RL200-AI-50 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | |
| 110 | RL25-120 | RL50-AI-120 | RL100-AI-120 | RL200-AI-120 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | RL25-120 | RL50-AI-120 | RL100-AI-120 | RL200-AI-120 | | | | | | | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | RL50-AI-120 | | | | | | RL100-AI-120 | | | | | | RL200-AI-120 | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | RL50-AI-120 | | | | | | RL100-AI-120 | | | | | | RL200-AI-120 | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | RL50-AI-120 | | | | | | RL100-AI-120 | | | | | | RL200-AI-120 | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | RL50-AI-120 | | | | | | RL100-AI-120 | | | | | | RL200-AI-120 | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | RL50-AI-120 | | | | | | RL100-AI-120 | | | | | | RL200-AI-120 | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | RL50-AI-120 | | | | | | RL100-AI-120 | | | | | | RL200-AI-120 | | | | | | RL300-AI-50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

⚠ WARNING

These distances are based on RAYLUX White-Light illuminators in operation with surveillance cameras. If using White-Light technology for general or multi-purpose lighting projects, including RAYLUX Urban, contact Raytec directly. Raytec can help with the design and specification of White-Light for general area lighting projects, providing detailed layout plans to highlight the best lighting positions and illuminance levels.

Call +44 (0) 1670 520055 for your free site survey and energy report



Horizontal Angle of View (Degrees)

Infra-Red Single Panel

Maximum Distance (Metres) (Not shown to scale)

| | 30 | 45 | 65 | 80 | 120 | 150 | 180 | 200 | 220 |
|----|-------------------|-------------------|-------------------|-------------------|-----|-------------------|-----|-----|-----|
| 10 | VAR-i2-1 10 x 10° | | | VAR-i4-1 10 x 10° | | VAR-i8-1 10 x 10° | | | |
| 20 | VAR-i2-1 35 x 10° | | VAR-i4-1 35 x 10° | VAR-i8-1 35 x 10° | | | | | |
| 35 | VAR-i2-1 35 x 10° | | VAR-i4-1 35 x 10° | VAR-i8-1 35 x 10° | | | | | |
| 40 | VAR-i2-1 60 x 25° | VAR-i4-1 60 x 25° | VAR-i8-1 60 x 25° | | | | | | |
| 50 | VAR-i2-1 60 x 25° | VAR-i4-1 60 x 25° | VAR-i8-1 60 x 25° | | | | | | |
| 60 | VAR-i2-1 60 x 25° | VAR-i4-1 60 x 25° | VAR-i8-1 60 x 25° | | | | | | |

Horizontal Angle of View (Degrees)

Infra-Red Adaptive Illumination™

Maximum Distance (Metres) (Not shown to scale)

| | 20 | 30 | 40 | 45 | 52 | 65 | 70 | 78 | 80 | 90 | 112 | 120 | 135 | 140 | 170 | 208 | 220 | 260 | 310 | 380 |
|-----|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|----|-------------------|-----|-------------------|-------------------|-------------------|-----|-------------------|-------------------|-------------------|-----|-----|
| 10 | VAR-i2-2 10 x 10° | | | | | | | | | | | | VAR-i4-2 10 x 10° | | | VAR-i4-3 10 x 10° | VAR-i8-2 10 x 10° | VAR-i8-3 10 x 10° | | |
| 20 | VAR-i2-2 35 x 10° | | | | | VAR-i4-2 35 x 10° | | | | | | VAR-i4-3 35 x 10° | VAR-i8-2 35 x 10° | VAR-i8-3 35 x 10° | | | | | | |
| 30 | VAR-i2-2 35 x 10° | | | | | VAR-i4-2 35 x 10° | | | | | | VAR-i4-3 35 x 10° | VAR-i8-2 35 x 10° | VAR-i8-3 35 x 10° | | | | | | |
| 35 | VAR-i2-2 35 x 10° | | | | | VAR-i4-2 35 x 10° | | | | | | VAR-i4-3 35 x 10° | VAR-i8-2 35 x 10° | VAR-i8-3 35 x 10° | | | | | | |
| 50 | VAR-i2-2 60 x 25° | | | VAR-i4-2 60 x 25° | | VAR-i4-3 60 x 25° | VAR-i8-2 60 x 25° | | | VAR-i8-3 60 x 25° | | | | | | | | | | |
| 60 | VAR-i2-2 60 x 25° | | | VAR-i4-2 60 x 25° | | VAR-i4-3 60 x 25° | VAR-i8-2 60 x 25° | | | VAR-i8-3 60 x 25° | | | | | | | | | | |
| 70 | VAR-i2-2 80 x 30° | | VAR-i4-2 80 x 30° | | VAR-i4-3 80 x 30° | VAR-i8-2 80 x 30° | | VAR-i8-3 80 x 30° | | | | | | | | | | | | |
| 80 | VAR-i2-2 80 x 30° | | VAR-i4-2 80 x 30° | | VAR-i4-3 80 x 30° | VAR-i8-2 80 x 30° | | VAR-i8-3 80 x 30° | | | | | | | | | | | | |
| 90 | VAR-i2-2 120 x 50° | VAR-i4-2 120 x 50° | VAR-i4-3 120 x 50° | VAR-i8-2 120 x 50° | | | VAR-i8-3 120 x 50° | | | | | | | | | | | | | |
| 100 | VAR-i2-2 120 x 50° | VAR-i4-2 120 x 50° | VAR-i4-3 120 x 50° | VAR-i8-2 120 x 50° | | | VAR-i8-3 120 x 50° | | | | | | | | | | | | | |
| 110 | VAR-i2-2 120 x 50° | VAR-i4-2 120 x 50° | VAR-i4-3 120 x 50° | VAR-i8-2 120 x 50° | | | VAR-i8-3 120 x 50° | | | | | | | | | | | | | |
| 120 | VAR-i2-2 120 x 50° | VAR-i4-2 120 x 50° | VAR-i4-3 120 x 50° | VAR-i8-2 120 x 50° | | | VAR-i8-3 120 x 50° | | | | | | | | | | | | | |

VARIO AI DISTANCE CHART

covers every angle



Horizontal Angle of View (Degrees)

White-Light Single Panel

| | | Maximum Distance (Metres) (Not shown to scale) | | | | | | | | | | | | | | |
|----|--|--|-------------------|-------------------|-------------------|----|-------------------|-------------------|----|----|----|-------------------|-----|-----|-----|--|
| | | 20 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 70 | 80 | 90 | 100 | 130 | 150 | |
| 10 | | VAR-w2-1 10 x 10° | | | | | VAR-w4-1 10 x 10° | | | | | VAR-w8-1 10 x 10° | | | | |
| 20 | | VAR-w2-1 35 x 10° | | | VAR-w4-1 35 x 10° | | | VAR-w8-1 35 x 10° | | | | | | | | |
| 35 | | VAR-w2-1 35 x 10° | | | VAR-w4-1 35 x 10° | | | VAR-w8-1 35 x 10° | | | | | | | | |
| 40 | | VAR-w2-1 60 x 25° | VAR-w4-1 60 x 25° | VAR-w8-1 60 x 25° | | | | | | | | | | | | |
| 50 | | VAR-w2-1 60 x 25° | VAR-w4-1 60 x 25° | VAR-w8-1 60 x 25° | | | | | | | | | | | | |
| 60 | | VAR-w2-1 60 x 25° | VAR-w4-1 60 x 25° | VAR-w8-1 60 x 25° | | | | | | | | | | | | |

Horizontal Angle of View (Degrees)

White-Light Adaptive Illumination™

| | | Maximum Distance (Metres) (Not shown to scale) | | | | | | | | | | | | | | | | | | | | |
|-----|--|--|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|-----|-----|--|
| | | 15 | 20 | 26 | 30 | 35 | 42 | 45 | 52 | 55 | 65 | 80 | 83 | 90 | 95 | 112 | 139 | 150 | 170 | 210 | 260 | |
| 10 | | VAR-w2-2 10 x 10° | | | | | | | | | | VAR-w4-2 10 x 10° | | | VAR-w4-3 10 x 10° | VAR-w8-2 10 x 10° | VAR-w8-3 10 x 10° | | | | | |
| 20 | | VAR-w2-2 35 x 10° | | | | | | | VAR-w4-2 35 x 10° | | VAR-w4-3 35 x 10° | | VAR-w8-2 35 x 10° | VAR-w8-3 35 x 10° | | | | | | | | |
| 30 | | VAR-w2-2 35 x 10° | | | | | | | VAR-w4-2 35 x 10° | | VAR-w4-3 35 x 10° | | VAR-w8-2 35 x 10° | VAR-w8-3 35 x 10° | | | | | | | | |
| 35 | | VAR-w2-2 35 x 10° | | | | | | | VAR-w4-2 35 x 10° | | VAR-w4-3 35 x 10° | | VAR-w8-2 35 x 10° | VAR-w8-3 35 x 10° | | | | | | | | |
| 50 | | VAR-w2-2 60 x 25° | | | VAR-w4-2 60 x 25° | | | VAR-w4-3 60 x 25° | VAR-w8-2 60 x 25° | VAR-w8-3 60 x 25° | | | | | | | | | | | | |
| 60 | | VAR-w2-2 60 x 25° | | | VAR-w4-2 60 x 25° | | | VAR-w4-3 60 x 25° | VAR-w8-2 60 x 25° | VAR-w8-3 60 x 25° | | | | | | | | | | | | |
| 70 | | VAR-w2-2 80 x 30° | | VAR-w4-2 80 x 30° | | VAR-w4-4 80 x 30° | VAR-w8-2 80 x 30° | VAR-w8-3 80 x 30° | | | | | | | | | | | | | | |
| 80 | | VAR-w2-2 80 x 30° | | VAR-w4-2 80 x 30° | | VAR-w4-4 80 x 30° | VAR-w8-2 80 x 30° | VAR-w8-3 80 x 30° | | | | | | | | | | | | | | |
| 90 | | VAR-w2-2 120 x 50° | VAR-w4-2 120 x 50° | VAR-w4-3 120 x 50° | VAR-w8-2 120 x 50° | VAR-w8-3 120 x 50° | | | | | | | | | | | | | | | | |
| 100 | | VAR-w2-2 120 x 50° | VAR-w4-2 120 x 50° | VAR-w4-3 120 x 50° | VAR-w8-2 120 x 50° | VAR-w8-3 120 x 50° | | | | | | | | | | | | | | | | |
| 110 | | VAR-w2-2 120 x 50° | VAR-w4-2 120 x 50° | VAR-w4-3 120 x 50° | VAR-w8-2 120 x 50° | VAR-w8-3 120 x 50° | | | | | | | | | | | | | | | | |
| 120 | | VAR-w2-2 120 x 50° | VAR-w4-2 120 x 50° | VAR-w4-3 120 x 50° | VAR-w8-2 120 x 50° | VAR-w8-3 120 x 50° | | | | | | | | | | | | | | | | |

