

Quartz R

RECESSED LINEAR LUMINAIRE

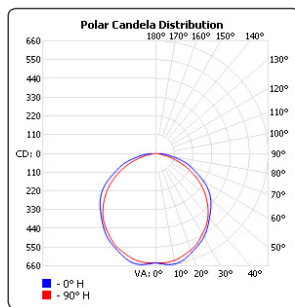


- Available in three form factors: 60cm, 120cm and 150cm
- Emergency kit available
- Three temperatures: 3000K, 4000K and 5000K
- With IP40 protection
- 110° lens angle
- Color rendering index: 80

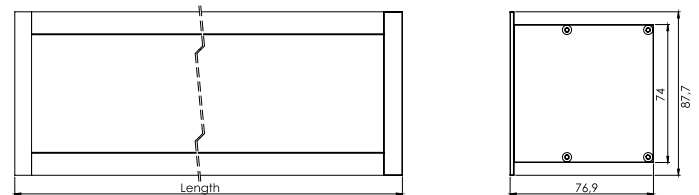
Applications

Grocery & supermarket, Office, Healthcare, Hospitality, DIY

LIGHT DISTRIBUTION



TECHNICAL DRAW



| | |
|--|---|
| Power | A: 12W, 22W B: 21W, 37W, 44W C: 31W, 45W, 55W |
| Dimensions | A: 608 x 76.9 x 87.7 ± 1mm B: 1180 x 76.9 x 87.7 ± 1mm C: 1466 x 76.9 x 87.7 ± 1mm |
| Color Rendering | CRI80 |
| Housing materials | Aluminium, polycarbonate |
| IK Code | IK04 |
| THD (at 230V, 50Hz, full load) | <20% |
| Protection class | Safety class 1 |
| Operating temperature (°C) for TEC | -20C...+45C/-4F...+113F |
| Operating temperature (°C) for TEC EM | +5C...+45C/+41F...+113F |
| Operating humidity (%) | 10 ÷ 85 |
| Power factor | ≥0.95 |
| AC Input | 220-240 Vac |
| Color temperature | 3000K, 4000K, 5000K |
| Lens angle (°) | 110° |
| Lifespan (h) | 50000 |
| Housing color | Anodised grey |
| Color consistency | MacAdam 4 |
| Lumen maintenance | L70/B30@50.000h at 25°C |
| IP Rating | IP40 |
| Control option | - |
| Emergency option (only for TEC EM) | EM1H, EM3H |
| Warranty (years) | 5 years |
| Storage Temperature Range (°C) for TEC | -20 ÷ +55/-4F...+131F |
| Storage Temperature Range (°C) for TEC EM | +5 ÷ +25 /+41F...+77F |
| Efficiency @4000K | 90 lm/W |
| Luminous flux tolerance | +/- 5% |

| | |
|------------------------------|--|
| Consumption tolerance | TEC +/- 5% TEC + KIT EM +/-10% |
| Risk group | RG1 The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Low Risk (RG1 - No photobiological hazard under normal behavioral limitations)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect. |

Maximum no. of luminaires on a circuit

| Power | Amperage | Circuit Breaker Type | | | | | |
|--------|----------|----------------------|----|----|----|----|----|
| | | B | | | C | | |
| 12-31W | 48 | 20 | 16 | 10 | 20 | 16 | 10 |
| 37-50W | 30 | 24 | 16 | 14 | 50 | 40 | 32 |
| 55W | 28 | 22 | 16 | 13 | 46 | 36 | 21 |

| ARTICLE NUMBER | Dimensions (mm) | CCT (K) | Lumens (lm) | Power (W) | Efficiency (lm/watt) | Lens angle (degrees) | Weight (kg) |
|-------------------------------------|--------------------------|------------|----------------|--------------|-------------------------|-------------------------|----------------|
| 175000 Quartz 60R/3000/12W/80/A110 | 608 x 76.9 x 87.7 ± 1mm | 3000 | 855 | 12 | 72 | 110° | 2.2 |
| 175001 Quartz 60R/4000/12W/80/A110 | 608 x 76.9 x 87.7 ± 1mm | 4000 | 880 | 12 | 74 | 110° | 2.2 |
| 175002 Quartz 60R/5000/12W/80/A110 | 608 x 76.9 x 87.7 ± 1mm | 5000 | 920 | 12 | 77 | 110° | 2.2 |
| 175004 Quartz 60R/3000/22W/80/A110 | 608 x 76.9 x 87.7 ± 1mm | 3000 | 1655 | 22 | 76 | 110° | 2.2 |
| 175005 Quartz 60R/4000/22W/80/A110 | 608 x 76.9 x 87.7 ± 1mm | 4000 | 1710 | 22 | 78 | 110° | 4.0 |
| 175006 Quartz 60R/5000/22W/80/A110 | 608 x 76.9 x 87.7 ± 1mm | 5000 | 1785 | 22 | 82 | 110° | 4.0 |
| 175008 Quartz 120R/3000/21W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 1765 | 21 | 85 | 110° | 4.0 |
| 175009 Quartz 120R/4000/21W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 1820 | 21 | 87 | 110° | 4.0 |
| 175010 Quartz 120R/5000/21W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 1905 | 21 | 91 | 110° | 4.0 |
| 175012 Quartz 120R/3000/37W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 3160 | 37 | 86 | 110° | 4.0 |
| 175013 Quartz 120R/4000/37W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 3260 | 37 | 89 | 110° | 4.0 |
| 175014 Quartz 120R/5000/37W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 3405 | 37 | 93 | 110° | 4.0 |
| 175020 Quartz 120R/3000/45W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 3615 | 45 | 81 | 110° | 4.0 |
| 175021 Quartz 120R/4000/45W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 3725 | 45 | 83 | 110° | 4.0 |
| 175022 Quartz 120R/5000/45W/80/A110 | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 3895 | 45 | 87 | 110° | 4.0 |
| 175056 Quartz 150R/3000/31W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 2500 | 31 | 81 | 110° | 5.0 |
| 175057 Quartz 150R/4000/31W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 2575 | 31 | 84 | 110° | 5.0 |
| 175058 Quartz 150R/5000/31W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 2690 | 31 | 87 | 110° | 5.0 |
| 175060 Quartz 150R/3000/45W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 3920 | 45 | 88 | 110° | 5.0 |
| 175061 Quartz 150R/4000/45W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 4040 | 45 | 90 | 110° | 5.0 |
| 175062 Quartz 150R/5000/45W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 4225 | 45 | 94 | 110° | 5.0 |
| 175064 Quartz 150R/3000/55W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 4500 | 55 | 82 | 110° | 5.0 |
| 175065 Quartz 150R/4000/55W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 4640 | 55 | 85 | 110° | 5.0 |
| 175066 Quartz 150R/5000/55W/80/A110 | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 4855 | 55 | 89 | 110° | 5.0 |

Equipped with 1 hour emergency kit

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|--|--------------------------|------|------|----|----|------|-----|
| 175024 Quartz 120R/3000/21W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 1765 | 21 | 85 | 110° | 4.8 |
| 175025 Quartz 120R/4000/21W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 1820 | 21 | 87 | 110° | 4.8 |
| 175026 Quartz 120R/5000/21W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 1905 | 21 | 91 | 110° | 4.8 |
| 175028 Quartz 120R/3000/37W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 3160 | 37 | 86 | 110° | 4.8 |
| 175029 Quartz 120R/4000/37W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 3260 | 37 | 89 | 110° | 4.8 |
| 175030 Quartz 120R/5000/37W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 3405 | 37 | 93 | 110° | 4.8 |
| 175036 Quartz 120R/3000/45W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 3615 | 45 | 81 | 110° | 4.8 |
| 175037 Quartz 120R/4000/45W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 3725 | 45 | 83 | 110° | 4.8 |
| 175038 Quartz 120R/5000/45W/80/A110/EM1H | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 3895 | 45 | 87 | 110° | 4.8 |
| 175068 Quartz 150R/3000/31W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 2500 | 31 | 81 | 110° | 5.7 |
| 175069 Quartz 150R/4000/31W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 2575 | 31 | 84 | 110° | 5.7 |
| 175070 Quartz 150R/5000/31W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 2690 | 31 | 87 | 110° | 5.7 |
| 175072 Quartz 150R/3000/45W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 3920 | 45 | 88 | 110° | 5.7 |
| 175073 Quartz 150R/4000/45W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 4040 | 45 | 90 | 110° | 5.7 |
| 175074 Quartz 150R/5000/45W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 4225 | 45 | 94 | 110° | 5.7 |
| 175076 Quartz 150R/3000/55W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 4500 | 55 | 82 | 110° | 5.7 |
| 175077 Quartz 150R/4000/55W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 4640 | 55 | 85 | 110° | 5.7 |
| 175078 Quartz 150R/5000/55W/80/A110/EM1H | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 4855 | 55 | 89 | 110° | 5.7 |

Equipped with 3 hours emergency kit

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|--|--------------------------|------|------|----|----|------|-----|
| 175040 Quartz 120R/3000/21W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 1765 | 21 | 85 | 110° | 4.9 |
| 175041 Quartz 120R/4000/21W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 1820 | 21 | 87 | 110° | 4.9 |
| 175042 Quartz 120R/5000/21W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 1905 | 21 | 91 | 110° | 4.9 |
| 175044 Quartz 120R/3000/37W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 3160 | 37 | 86 | 110° | 4.9 |
| 175045 Quartz 120R/4000/37W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 3260 | 37 | 89 | 110° | 4.9 |
| 175046 Quartz 120R/5000/37W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 3405 | 37 | 93 | 110° | 4.9 |
| 175052 Quartz 120R/3000/45W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 3000 | 3615 | 45 | 81 | 110° | 4.9 |
| 175053 Quartz 120R/4000/45W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 4000 | 3725 | 45 | 83 | 110° | 4.9 |
| 175054 Quartz 120R/5000/45W/80/A110/EM3H | 1180 x 76.9 x 87.7 ± 1mm | 5000 | 3895 | 45 | 87 | 110° | 4.9 |
| 175080 Quartz 150R/3000/31W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 2500 | 31 | 81 | 110° | 5.7 |
| 175081 Quartz 150R/4000/31W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 2575 | 31 | 84 | 110° | 5.8 |
| 175082 Quartz 150R/5000/31W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 2690 | 31 | 87 | 110° | 5.8 |
| 175084 Quartz 150R/3000/45W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 3920 | 45 | 88 | 110° | 5.8 |
| 175085 Quartz 150R/4000/45W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 4040 | 45 | 90 | 110° | 5.8 |
| 175086 Quartz 150R/5000/45W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 4225 | 45 | 94 | 110° | 5.8 |
| 175088 Quartz 150R/3000/55W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 3000 | 4500 | 55 | 82 | 110° | 5.8 |
| 175089 Quartz 150R/4000/55W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 4000 | 4640 | 55 | 85 | 110° | 5.8 |
| 175090 Quartz 150R/5000/55W/80/A110/EM3H | 1466 x 76.9 x 87.7 ± 1mm | 5000 | 4855 | 55 | 89 | 110° | 5.8 |