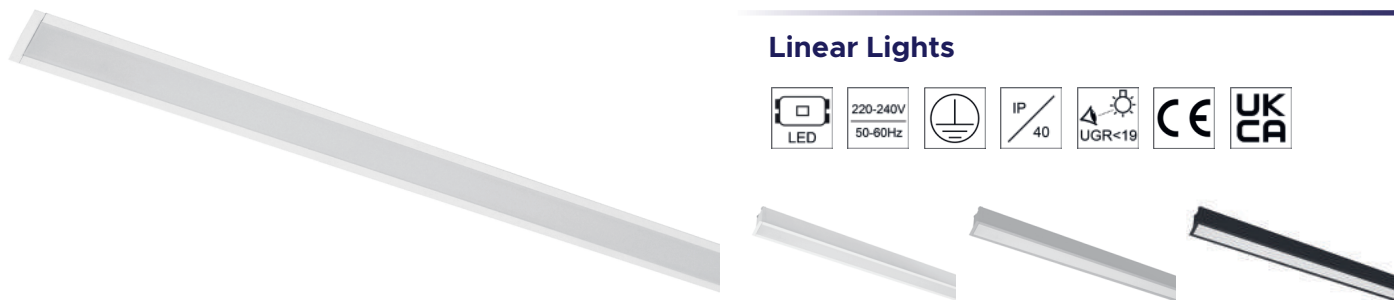


# RK-EU-LNR01

## Linear Lights



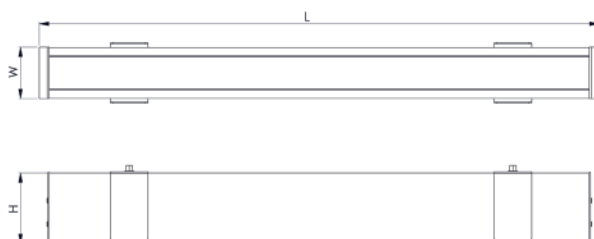
**DESCRIPTION:** Recessed mounted slim profile LED luminaire for in-line connection  
**Light distribution type:** direct  
**Optical system:** opal polycarbonate diffuser / matt micro-prismatic polycarbonate diffuser, low glare  
**Housing:** aluminium  
**Colour:** white, RAL9003S; light grey, RAL9006S; black, RAL9005S

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
**LED lifetime, h:** 100000/L80B10, basic version: 50000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP40 (IP44 optional)  
**Mechanical impact resistance:** IK05  
**Glow wire test, °C:** 850  
**Operating temperature range, °C:** ta -15...+35

**INSTALLATION:** In ceilings with cut-out openings (mounting brackets included), with L/LL option is designed for in-line connection. Push-in terminal, 3x2x2.5mm<sup>2</sup>

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, retail, public place



| PRODUCT                                | LENGTH, mm | WIDTH, mm | HEIGHT, mm | CUT-OUT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|----------------------------------------|------------|-----------|------------|-------------|-----------------------|------------------|------------------------|-----|---------|------------|
| RK-EU-LNR01 1x800 K223 T840 OP LO1 SB  | 597        | 54        | 103        | 587x46      | 760                   | 6,8              | 112                    | 80+ | 4000    | 1,3        |
| RK-EU-LNR01 1x1050 K224 T840 OP LO2 SB | 597        | 54        | 103        | 587x46      | 1046                  | 9,5              | 110                    | 80+ | 4000    | 1,3        |
| RK-EU-LNR01 1x1500 K225 T840 OP LO3 SB | 597        | 54        | 103        | 587x46      | 1462                  | 13,8             | 106                    | 80+ | 4000    | 1,3        |
| RK-EU-LNR01 1x2200 K226 T840 OP LO4 SB | 597        | 54        | 103        | 587x46      | 2193                  | 19,9             | 110                    | 80+ | 4000    | 1,3        |
| RK-EU-LNR01 1x950 K227 T840 OP LO1 SB  | 737        | 54        | 103        | 727x46      | 949                   | 8,2              | 116                    | 80+ | 4000    | 1,6        |
| RK-EU-LNR01 1x1350 K228 T840 OP LO2 SB | 737        | 54        | 103        | 727x46      | 1308                  | 11,6             | 113                    | 80+ | 4000    | 1,6        |
| RK-EU-LNR01 1x1850 K229 T840 OP LO3 SB | 737        | 54        | 103        | 727x46      | 1828                  | 16,8             | 109                    | 80+ | 4000    | 1,6        |
| RK-EU-LNR01 1x2750 K230 T840 OP LO4 SB | 737        | 54        | 103        | 727x46      | 2742                  | 24,6             | 111                    | 80+ | 4000    | 1,6        |
| RK-EU-LNR01 1x1150 K231 T840 OP LO1 SB | 877        | 54        | 103        | 867x46      | 1139                  | 10,1             | 113                    | 80+ | 4000    | 1,8        |
| RK-EU-LNR01 1x1600 K232 T840 OP LO2 SB | 877        | 54        | 103        | 867x46      | 1569                  | 14,0             | 112                    | 80+ | 4000    | 1,8        |
| RK-EU-LNR01 1x2200 K233 T840 OP LO3 SB | 877        | 54        | 103        | 867x46      | 2193                  | 20,2             | 109                    | 80+ | 4000    | 1,8        |
| RK-EU-LNR01 1x3300 K234 T840 OP LO4 SB | 877        | 54        | 103        | 867x46      | 3290                  | 29,5             | 112                    | 80+ | 4000    | 1,8        |
| RK-EU-LNR01 1x1350 K235 T840 OP LO1 SB | 1017       | 54        | 103        | 1007x46     | 1329                  | 11,6             | 115                    | 80+ | 4000    | 2,1        |
| RK-EU-LNR01 1x1850 K236 T840 OP LO2 SB | 1017       | 54        | 103        | 1007x46     | 1831                  | 15,9             | 115                    | 80+ | 4000    | 2,1        |
| RK-EU-LNR01 1x2600 K237 T840 OP LO3 SB | 1017       | 54        | 103        | 1007x46     | 2559                  | 23,0             | 111                    | 80+ | 4000    | 2,1        |
| RK-EU-LNR01 1x1550 K238 T840 OP LO1 SB | 1157       | 54        | 103        | 1147x46     | 1519                  | 13,1             | 116                    | 80+ | 4000    | 2,4        |
| RK-EU-LNR01 1x2100 K239 T840 OP LO2 SB | 1157       | 54        | 103        | 1147x46     | 2092                  | 18,0             | 116                    | 80+ | 4000    | 2,4        |
| RK-EU-LNR01 1x2950 K240 T840 OP LO3 SB | 1157       | 54        | 103        | 1147x46     | 2925                  | 26,3             | 111                    | 80+ | 4000    | 2,4        |
| RK-EU-LNR01 1x4400 K241 T840 OP LO4 SB | 1157       | 54        | 103        | 1147x46     | 4387                  | 38,1             | 115                    | 80+ | 4000    | 2,4        |
| RK-EU-LNR01 1x1750 K242 T840 OP LO1 SB | 1297       | 54        | 103        | 1287x46     | 1709                  | 14,5             | 118                    | 80+ | 4000    | 2,6        |
| RK-EU-LNR01 1x2400 K243 T840 OP LO2 SB | 1297       | 54        | 103        | 1287x46     | 2354                  | 20,2             | 117                    | 80+ | 4000    | 2,6        |

| PRODUCT                                 | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | CUT-OUT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICA-<br>CY*, lm/W | CRI | CCT*, K | WEIGHT,<br>kg |
|-----------------------------------------|---------------|--------------|---------------|----------------|-----------------------------|------------------------|--------------------------------|-----|---------|---------------|
| RK-EU-LNR01 1x3300 K244 T840 OP LO3 SB  | 1297          | 54           | 103           | 1287x46        | 3290                        | 29,6                   | 111                            | 80+ | 4000    | 2,6           |
| RK-EU-LNR01 1x1900 K245 T840 OP LO1 SB  | 1437          | 54           | 103           | 1427x46        | 1899                        | 16,6                   | 114                            | 80+ | 4000    | 2,9           |
| RK-EU-LNR01 1x2650 K246 T840 OP LO2 SB  | 1437          | 54           | 103           | 1427x46        | 2615                        | 23,0                   | 114                            | 80+ | 4000    | 2,9           |
| RK-EU-LNR01 1x3700 K247 T840 OP LO3 SB  | 1437          | 54           | 103           | 1427x46        | 3656                        | 31,7                   | 115                            | 80+ | 4000    | 2,9           |
| RK-EU-LNR01 1x5500 K248 T840 OP LO4 SB  | 1437          | 54           | 103           | 1427x46        | 5484                        | 47,6                   | 115                            | 80+ | 4000    | 2,4           |
| RK-EU-LNR01 1x2300 K249 T840 OP LO1 SB  | 1717          | 54           | 103           | 1707x46        | 2279                        | 19,4                   | 117                            | 80+ | 4000    | 2,9           |
| RK-EU-LNR01 1x3150 K250 T840 OP LO2 SB  | 1717          | 54           | 103           | 1707x46        | 3138                        | 27,3                   | 115                            | 80+ | 4000    | 3,4           |
| RK-EU-LNR01 1x4400 K251 T840 OP LO3 SB  | 1717          | 54           | 103           | 1707x46        | 4387                        | 38,1                   | 115                            | 80+ | 4000    | 3,4           |
| RK-EU-LNR01 1x6600 K252 T840 OP LO4 SB  | 1717          | 54           | 103           | 1707x46        | 6580                        | 57,1                   | 115                            | 80+ | 4000    | 3,4           |
| RK-EU-LNR01 1x2700 K253 T840 OP LO1 SB  | 1997          | 54           | 103           | 1987x46        | 2658                        | 22,4                   | 119                            | 80+ | 4000    | 4,0           |
| RK-EU-LNR01 1x3700 K254 T840 OP LO2 SB  | 1997          | 54           | 103           | 1987x46        | 3661                        | 31,5                   | 116                            | 80+ | 4000    | 4,0           |
| RK-EU-LNR01 1x5150 K255 T840 OP LO3 SB  | 1997          | 54           | 103           | 1987x46        | 5118                        | 44,4                   | 115                            | 80+ | 4000    | 4,0           |
| RK-EU-LNR01 1x8250 K256 T840 OP LO4 SB  | 2137          | 54           | 103           | 2127x46        | 8225                        | 71,4                   | 115                            | 80+ | 4000    | 4,0           |
| RK-EU-LNR01 1x3050 K257 T840 OP LO1 SB  | 2277          | 54           | 103           | 2267x46        | 3038                        | 25,3                   | 120                            | 80+ | 4000    | 4,6           |
| RK-EU-LNR01 1x4200 K258 T840 OP LO2 SB  | 2277          | 54           | 103           | 2267x46        | 4184                        | 35,5                   | 118                            | 80+ | 4000    | 4,6           |
| RK-EU-LNR01 1x5850 K259 T840 OP LO3 SB  | 2277          | 54           | 103           | 2267x46        | 5849                        | 50,8                   | 115                            | 80+ | 4000    | 4,6           |
| RK-EU-LNR01 1x8800 K260 T840 OP LO4 SB  | 2277          | 54           | 103           | 2267x46        | 8774                        | 77,0                   | 114                            | 80+ | 4000    | 4,6           |
| RK-EU-LNR01 1x3450 K261 T840 OP LO1 SB  | 2557          | 54           | 103           | 2547x46        | 3418                        | 27,5                   | 124                            | 80+ | 4000    | 5,1           |
| RK-EU-LNR01 1x4750 K262 T840 OP LO2 SB  | 2557          | 54           | 103           | 2547x46        | 4708                        | 40,0                   | 118                            | 80+ | 4000    | 5,1           |
| RK-EU-LNR01 1x6600 K263 T840 OP LO3 SB  | 2557          | 54           | 103           | 2547x46        | 6580                        | 57,1                   | 115                            | 80+ | 4000    | 5,1           |
| RK-EU-LNR01 1x9900 K264 T840 OP LO4 SB  | 2557          | 54           | 103           | 2547x46        | 9871                        | 82,9                   | 119                            | 80+ | 4000    | 5,1           |
| RK-EU-LNR01 1x4000 K265 T840 OP LO1 SB  | 2977          | 54           | 103           | 2967x46        | 3988                        | 32,0                   | 125                            | 80+ | 4000    | 6,0           |
| RK-EU-LNR01 1x5500 K266 T840 OP LO2 SB  | 2977          | 54           | 103           | 2967x46        | 5492                        | 46,1                   | 119                            | 80+ | 4000    | 6,0           |
| RK-EU-LNR01 1x7700 K267 T840 OP LO3 SB  | 2977          | 54           | 103           | 2967x46        | 7677                        | 66,7                   | 115                            | 80+ | 4000    | 6,0           |
| <b>Basic version</b>                    |               |              |               |                |                             |                        |                                |     |         |               |
| RK-EU-LNR01 1x700 H357 T840 OP LO1 SB   | 597           | 54           | 103           | 587x46         | 671                         | 6,8                    | 99                             | 80+ | 4000    | 1,3           |
| RK-EU-LNR01 1x950 H358 T840 OP LO2 SB   | 597           | 54           | 103           | 587x46         | 915                         | 9,5                    | 96                             | 80+ | 4000    | 1,3           |
| RK-EU-LNR01 1x1300 H359 T840 OP LO3 SB  | 597           | 54           | 103           | 587x46         | 1257                        | 13,8                   | 91                             | 80+ | 4000    | 1,3           |
| RK-EU-LNR01 1x1900 H360 T840 OP LO4 SB  | 597           | 54           | 103           | 587x46         | 1886                        | 20,0                   | 94                             | 80+ | 4000    | 1,3           |
| RK-EU-LNR01 1x850 H361 T840 OP LO1 SB   | 737           | 54           | 103           | 727x46         | 839                         | 8,1                    | 104                            | 80+ | 4000    | 1,6           |
| RK-EU-LNR01 1x1150 H362 T840 OP LO2 SB  | 737           | 54           | 103           | 727x46         | 1143                        | 11,6                   | 99                             | 80+ | 4000    | 1,6           |
| RK-EU-LNR01 1x1600 H363 T840 OP LO3 SB  | 737           | 54           | 103           | 727x46         | 1572                        | 16,8                   | 94                             | 80+ | 4000    | 1,6           |
| RK-EU-LNR01 1x2400 H364 T840 OP LO4 SB  | 737           | 54           | 103           | 727x46         | 2358                        | 24,7                   | 95                             | 80+ | 4000    | 1,6           |
| RK-EU-LNR01 1x1050 H365 T840 OP LO1 SB  | 877           | 54           | 103           | 867x46         | 1007                        | 10,0                   | 101                            | 80+ | 4000    | 1,8           |
| Serpens S LED1x1400 H366 T840 OP LO2 SB | 877           | 54           | 103           | 867x46         | 1372                        | 14,0                   | 98                             | 80+ | 4000    | 1,8           |
| RK-EU-LNR01 1x1900 H367 T840 OP LO3 SB  | 877           | 54           | 103           | 867x46         | 1886                        | 20,2                   | 93                             | 80+ | 4000    | 1,8           |
| RK-EU-LNR01 1x2850 H368 T840 OP LO4 SB  | 877           | 54           | 103           | 867x46         | 2829                        | 29,7                   | 95                             | 80+ | 4000    | 1,8           |
| RK-EU-LNR01 1x1200 H369 T840 OP LO1 SB  | 1017          | 54           | 103           | 1007x46        | 1175                        | 11,5                   | 102                            | 80+ | 4000    | 2,1           |
| RK-EU-LNR01 1x1650 H370 T840 OP LO2 SB  | 1017          | 54           | 103           | 1007x46        | 1601                        | 15,9                   | 101                            | 80+ | 4000    | 2,1           |
| RK-EU-LNR01 1x2200 H371 T840 OP LO3 SB  | 1017          | 54           | 103           | 1007x46        | 2200                        | 23,0                   | 96                             | 80+ | 4000    | 2,1           |
| RK-EU-LNR01 1x1350 H372 T840 OP LO1 SB  | 1157          | 54           | 103           | 1147x46        | 1342                        | 13,0                   | 103                            | 80+ | 4000    | 2,4           |
| RK-EU-LNR01 1x1850 H373 T840 OP LO2 SB  | 1157          | 54           | 103           | 1147x46        | 1830                        | 17,9                   | 102                            | 80+ | 4000    | 2,4           |
| RK-EU-LNR01 1x2550 H374 T840 OP LO3 SB  | 1157          | 54           | 103           | 1147x46        | 2515                        | 26,3                   | 96                             | 80+ | 4000    | 2,4           |
| RK-EU-LNR01 1x3800 H375 T840 OP LO4 SB  | 1157          | 54           | 103           | 1147x46        | 3773                        | 38,2                   | 99                             | 80+ | 4000    | 2,4           |
| RK-EU-LNR01 1x1550 H376 T840 OP LO1 SB  | 1297          | 54           | 103           | 1287x46        | 1510                        | 14,5                   | 104                            | 80+ | 4000    | 2,6           |
| RK-EU-LNR01 1x2100 H377 T840 OP LO2 SB  | 1297          | 54           | 103           | 1287x46        | 2058                        | 20,1                   | 102                            | 80+ | 4000    | 2,6           |
| RK-EU-LNR01 1x2850 H378 T840 OP LO3 SB  | 1297          | 54           | 103           | 1287x46        | 2829                        | 29,6                   | 96                             | 80+ | 4000    | 2,6           |
| RK-EU-LNR01 1x1700 H379 T840 OP LO1 SB  | 1437          | 54           | 103           | 1427x46        | 1678                        | 16,5                   | 102                            | 80+ | 4000    | 2,9           |
| RK-EU-LNR01 1x2300 H380 T840 OP LO2 SB  | 1437          | 54           | 103           | 1427x46        | 2287                        | 22,9                   | 100                            | 80+ | 4000    | 2,9           |
| RK-EU-LNR01 1x3150 H381 T840 OP LO3 SB  | 1437          | 54           | 103           | 1427x46        | 3143                        | 31,7                   | 99                             | 80+ | 4000    | 2,9           |

| PRODUCT                                | LENGTH, mm | WIDTH, mm | HEIGHT, mm | CUT-OUT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|----------------------------------------|------------|-----------|------------|-------------|-----------------------|------------------|------------------------|-----|---------|------------|
| RK-EU-LNR01 1x4750 H382 T840 OP LO4 SB | 1437       | 54        | 103        | 1427x46     | 4716                  | 47,8             | 99                     | 80+ | 4000    | 2,4        |
| RK-EU-LNR01 1x2050 H383 T840 OP LO1 SB | 1717       | 54        | 103        | 1707x46     | 2014                  | 19,3             | 104                    | 80+ | 4000    | 2,9        |
| RK-EU-LNR01 1x2750 H384 T840 OP LO2 SB | 1717       | 54        | 103        | 1707x46     | 2744                  | 27,3             | 101                    | 80+ | 4000    | 3,4        |
| RK-EU-LNR01 1x3800 H385 T840 OP LO3 SB | 1717       | 54        | 103        | 1707x46     | 3773                  | 38,2             | 99                     | 80+ | 4000    | 3,4        |
| RK-EU-LNR01 1x5700 H386 T840 OP LO4 SB | 1717       | 54        | 103        | 1707x46     | 5658                  | 57,3             | 99                     | 80+ | 4000    | 3,4        |
| RK-EU-LNR01 1x2350 H387 T840 OP LO1 SB | 1997       | 54        | 103        | 1987x46     | 2350                  | 22,2             | 106                    | 80+ | 4000    | 4,0        |
| RK-EU-LNR01 1x3250 H388 T840 OP LO2 SB | 1997       | 54        | 103        | 1987x46     | 3202                  | 31,4             | 102                    | 80+ | 4000    | 4,0        |
| RK-EU-LNR01 1x4450 H389 T840 OP LO3 SB | 1997       | 54        | 103        | 1987x46     | 4401                  | 44,6             | 99                     | 80+ | 4000    | 4,0        |
| RK-EU-LNR01 1x4750 H390 T840 OP LO4 SB | 2137       | 54        | 103        | 2127x46     | 4716                  | 47,8             | 99                     | 80+ | 4000    | 4,0        |
| RK-EU-LNR01 1x2700 H391 T840 OP LO1 SB | 2277       | 54        | 103        | 2267x46     | 2685                  | 25,1             | 107                    | 80+ | 4000    | 4,6        |
| RK-EU-LNR01 1x3700 H392 T840 OP LO2 SB | 2277       | 54        | 103        | 2267x46     | 3659                  | 35,5             | 103                    | 80+ | 4000    | 4,6        |
| RK-EU-LNR01 1x5050 H393 T840 OP LO3 SB | 2277       | 54        | 103        | 2267x46     | 5030                  | 50,9             | 99                     | 80+ | 4000    | 4,6        |
| RK-EU-LNR01 1x7550 H394 T840 OP LO4 SB | 2277       | 54        | 103        | 2267x46     | 7544                  | 77,3             | 98                     | 80+ | 4000    | 4,6        |
| RK-EU-LNR01 1x3050 H395 T840 OP LO1 SB | 2557       | 54        | 103        | 2547x46     | 3021                  | 27,3             | 111                    | 80+ | 4000    | 5,1        |
| RK-EU-LNR01 1x4150 H396 T840 OP LO2 SB | 2557       | 54        | 103        | 2547x46     | 4116                  | 39,9             | 103                    | 80+ | 4000    | 5,1        |
| RK-EU-LNR01 1x5700 H397 T840 OP LO3 SB | 2557       | 54        | 103        | 2547x46     | 5658                  | 57,3             | 99                     | 80+ | 4000    | 5,1        |
| RK-EU-LNR01 1x8500 H398 T840 OP LO4 SB | 2557       | 54        | 103        | 2547x46     | 8488                  | 83,2             | 102                    | 80+ | 4000    | 5,1        |
| RK-EU-LNR01 1x3550 H399 T840 OP LO1 SB | 2977       | 54        | 103        | 2967x46     | 3524                  | 31,9             | 110                    | 80+ | 4000    | 6,0        |
| RK-EU-LNR01 1x4850 H400 T840 OP LO2 SB | 2977       | 54        | 103        | 2967x46     | 4802                  | 46,0             | 104                    | 80+ | 4000    | 6,0        |
| RK-EU-LNR01 1x6650 H401 T840 OP LO3 SB | 2977       | 54        | 103        | 2967x46     | 6601                  | 66,9             | 99                     | 80+ | 4000    | 6,0        |

\*Tolerance range for optical and electrical data: -10%. Values apply to an ambient temperature of 25°C. RIKADA is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### AVAILABLE ACCESSORIES:



**Product:** Panel removal tool  
**Description:** A pair of RK-EU-LNR01/RK-EU-LNR06 panel removal tools for neat panel removal during installation



**Product:** Panel removal tool RK-EU-LNR06 / RK-EU-LNR01  
**Description:** A hand tool for simple removal of the reflector part of RK-EU-LNR06 and RK-EU-LNR01 luminaires during installation

#### OPTIONS AVAILABLE ON REQUEST:

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR                   | SENSORS          | EMERGENCY          | CONNECTION         | OTHER            | PROTECTION | COLOUR |
|------|----------------------|--------------------------------|------------------|--------------------|--------------------|------------------|------------|--------|
| T830 | OP                   | DALI <sup>1 2</sup>            | MW <sup>4</sup>  | EM3 <sup>10</sup>  | 1LIN <sup>11</sup> | L <sup>12</sup>  | IP44       | RAL    |
| T840 | DPRZ LT80            | EAIRB-M <sup>3 4 5 6 7 8</sup> | PIR <sup>4</sup> | EM3A <sup>10</sup> | 2LIN <sup>11</sup> | LL <sup>12</sup> |            |        |
|      |                      | EAIRB-S <sup>6 7 8</sup>       | PIR BLT DALI     | EM3D <sup>10</sup> | 3LIN <sup>11</sup> |                  |            |        |
|      |                      | BLT                            |                  |                    | 2G                 |                  |            |        |
|      |                      | PULL <sup>9</sup>              |                  |                    | CBF3-2.0m          |                  |            |        |
|      |                      | PULLDIM <sup>9</sup>           |                  |                    | CBF5-2.0m          |                  |            |        |

1 DALI option is not applicable for models: K260; K264; H394; H398

2 DALI LIN option wires are 2x0.5mm<sup>2</sup>

3 Ingress protection IP20

4 For options EAIRB, MW and PIR luminaire housing is 72mm longer

5 The EAIRB sensor are positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over

6 1800mm Max system size 1x EAIRB-M + 3x EAIRB-S

7 Max wire lenght from EAIRB-M to last EAIRB-S - 11 meters

8 EAIRB option is not applicable for models: K223...K228; K231; K235; K238; K242; K264; H357...H362; H365; H369; H372; H376; H398

9 For PULL and PULLDIM option luminaire housing is 50mm longer and switch is positioned at the end of luminaire

10 EM options applicable for models longer than 1000mm

11 LIN options applicable for models longer than 800mm, for shorter

models 5 pole terminal block included as standard

12 For L and LL models joint kit and 1LIN option included (5TB option for lengths up to 800mm)

