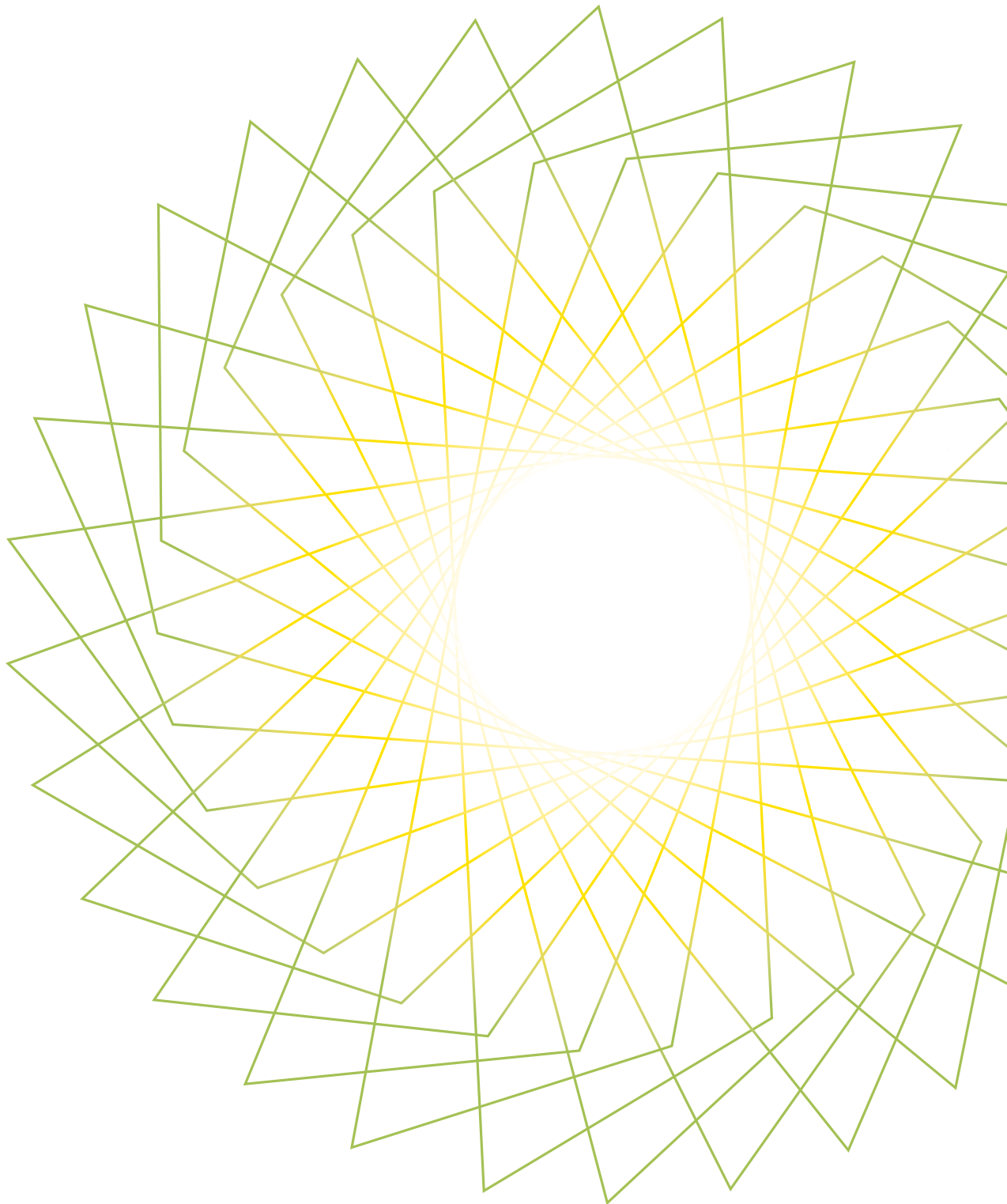

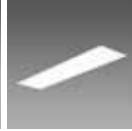

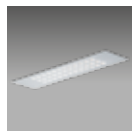





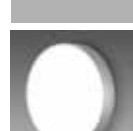








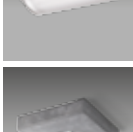



ETAP  EXCELLENT LIGHTING, SAVING ENERGY



NEW PRODUCTS 2016

CONTENTS

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LUMINAIRES



SYSTEMS



EXCELLUM2

LIGHT CONTROL
new

75



TECHNICAL ATTACHMENT

Dimensional sketches, wiring diagrams,...

82



U2

FLAT PANEL
DIFFUSERS

NEW



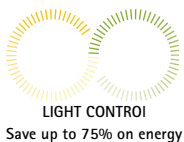
Housing

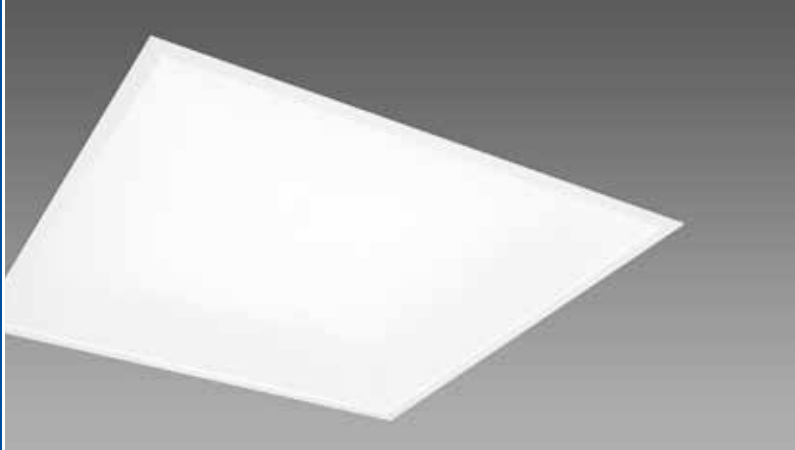
Lacquered sheet steel housing with seamless trim
RAL9210

Optic

Diffuser
U21 - HaloOptics® for high efficiency
U25 - MesoOptics™ for high efficiency and maximal comfort
Wieland connection

Dimensional sketches → p 84












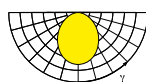
U2 square - webref. SU2004B9

U2

SQUARE - U21

| module | UGR | lamp type T _k | L _{av. - limit} cd/m ² | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option |
|---|------|---|---|--------------------|-----------------|------------|------------------------|---------------|--|
| Diffuser - acrylic / HaloOptics® | | | | | | | | | |
|   | |  | | | | | | | |
| MEDIUM POWER | | | | | | | | | |
| 600 | ≤ 19 | 3000K | ≤ 3000 (65°) | 2497 | 596 x 596 x 85 | 1 | - | U21F2/LEDW25S | • |
| | ≤ 22 | 4000K | ≤ 3000 (65°) | 2597 | 596 x 596 x 85 | 1 | - | U21F2/LEDN25S | • |
| | | 3000K | - | 4045 | 596 x 596 x 85 | 1 | - | U21F2/LEDW40S | • |
| | | 4000K | - | 4045 | 596 x 596 x 85 | 1 | - | U21F2/LEDN40S | • |
| 625 | ≤ 19 | 3000K | ≤ 3000 (65°) | 2497 | 621 x 621 x 85 | 2 | - | U21F8/LEDW25S | • |
| | ≤ 22 | 4000K | ≤ 3000 (65°) | 2597 | 621 x 621 x 85 | 2 | - | U21F8/LEDN25S | • |
| | | 3000K | - | 4045 | 621 x 621 x 85 | 2 | - | U21F8/LEDW40S | • |
| | | 4000K | - | 4045 | 621 x 621 x 85 | 2 | - | U21F8/LEDN40S | • |
| Diffuser - polycarbonate / HaloOptics® | | | | | | | | | |
|   | |  | | | | | | | |
| MEDIUM POWER | | | | | | | | | |
| 600 | ≤ 19 | 3000K | ≤ 3000 (65°) | 1997 | 596 x 596 x 85 | 1 | - | U21J2/LEDW20S | • |
| | | 4000K | ≤ 3000 (65°) | 2097 | 596 x 596 x 85 | 1 | - | U21J2/LEDN20S | • |
| | | 3000K | ≤ 3000 (65°) | 2147 | 596 x 596 x 85 | 1 | - | U21J2/LEDW25S | • |
| | | 4000K | ≤ 3000 (65°) | 2097 | 596 x 596 x 85 | 1 | - | U21J2/LEDN25S | • |
| | ≤ 22 | 3000K | - | 4095 | 596 x 596 x 85 | 1 | - | U21J2/LEDW40S | • |
| | | 4000K | - | 4095 | 596 x 596 x 85 | 1 | - | U21J2/LEDN40S | • |
| 625 | ≤ 19 | 3000K | ≤ 3000 (65°) | 1997 | 621 x 621 x 85 | 2 | - | U21J8/LEDW20S | • |
| | | 4000K | ≤ 3000 (65°) | 2097 | 621 x 621 x 85 | 2 | - | U21J8/LEDN20S | • |
| | | 3000K | ≤ 3000 (65°) | 2147 | 621 x 621 x 85 | 2 | - | U21J8/LEDW25S | • |
| | | 4000K | ≤ 3000 (65°) | 2097 | 621 x 621 x 85 | 2 | - | U21J8/LEDN25S | • |
| | ≤ 22 | 3000K | - | 4095 | 621 x 621 x 85 | 2 | - | U21J8/LEDW40S | • |
| | | 4000K | - | 4095 | 621 x 621 x 85 | 2 | - | U21J8/LEDN40S | • |

¹ IP44 from below





U21



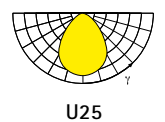
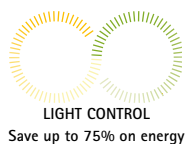
U2 linear with ELS - webref. SU2005D1

U2

SQUARE - U25

| module | UGR | lamp type T _k | L _{av.} - limit cd/m ² | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option |
|--|------|-----------------------------|---|--------------------|-----------------|------------|------------------------|---------------|--|
| Diffuser - glass / MesoOptics™ foil | | | | | | | | | |
| <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">850 °C</div> <div style="border: 1px solid black; padding: 2px;">IP 40</div> <div style="margin-left: 20px;">  MEDIUM POWER </div> </div> | | | | | | | | | |
| 600 | ≤ 19 | 3000K | ≤ 1500 (65°) | 2598 | 596 x 596 x 85 | 1 | - | U25M2/LEDW25S | • |
| | | 4000K | ≤ 1500 (65°) | 2598 | 596 x 596 x 85 | 1 | - | U25M2/LEDN25S | • |
| | | 3000K | ≤ 3000 (65°) | 4047 | 596 x 596 x 85 | 1 | - | U25M2/LEDW40S | • |
| | | 4000K | ≤ 3000 (65°) | 4047 | 596 x 596 x 85 | 1 | - | U25M2/LEDN40S | • |
| | | 3000K | ≤ 3000 (65°) | 5247 | 596 x 596 x 85 | 1 | - | U25M2/LEDW50S | • |
| | | 4000K | ≤ 3000 (65°) | 5247 | 596 x 596 x 85 | 1 | - | U25M2/LEDN50S | • |
| 625 | ≤ 19 | 3000K | ≤ 1500 (65°) | 2598 | 621 x 621 x 85 | 2 | - | U25M8/LEDW25S | • |
| | | 4000K | ≤ 1500 (65°) | 2598 | 621 x 621 x 85 | 2 | - | U25M8/LEDN25S | • |
| | | 3000K | ≤ 3000 (65°) | 4047 | 621 x 621 x 85 | 2 | - | U25M8/LEDW40S | • |
| | | 4000K | ≤ 3000 (65°) | 4047 | 621 x 621 x 85 | 2 | - | U25M8/LEDN40S | • |
| | | 3000K | ≤ 3000 (65°) | 5247 | 621 x 621 x 85 | 2 | - | U25M8/LEDW50S | • |
| | | 4000K | ≤ 3000 (65°) | 5247 | 621 x 621 x 85 | 2 | - | U25M8/LEDN50S | • |

² IP40 from below












U2 linear - webref. SU2005B1





U2

LINEAR - U21

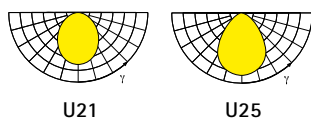
| module | UGR | lamp type T _k | L _{av.} - limit cd/m ² | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option |
|---|------|--|---|--------------------|-----------------|------------|------------------------|---------------|--|
| Diffuser - acrylic / HaloOptics® | | | | | | | | | |
|   | |  | | | | | | | |
| LOW POWER | | | | | | | | | |
| 300 | ≤ 19 | 3000K | ≤ 3000 (65°) | 2397 | 1196 x 296 x 85 | 3 | - | U21F1/LEDW25S | • |
| | | 4000K | ≤ 3000 (65°) | 2397 | 1196 x 296 x 85 | 3 | - | U21F1/LEDN25S | • |
| | ≤ 22 | 3000K | - | 4095 | 1196 x 296 x 85 | 3 | - | U21F1/LEDW40S | • |
| | | 4000K | - | 4095 | 1196 x 296 x 85 | 3 | - | U21F1/LEDN40S | • |
| Diffuser - polycarbonate / HaloOptics® | | | | | | | | | |
|   | |  | | | | | | | |
| MEDIUM POWER | | | | | | | | | |
| 300 | ≤ 19 | 3000K | ≤ 3000 (65°) | 2097 | 1196 x 296 x 85 | 3 | - | U21J1/LEDW20S | • |
| | | 4000K | ≤ 3000 (65°) | 2097 | 1196 x 296 x 85 | 3 | - | U21J1/LEDN20S | • |
| | | 3000K | ≤ 3000 (65°) | 2097 | 1196 x 296 x 85 | 3 | - | U21J1/LEDW25S | • |
| | | 4000K | ≤ 3000 (65°) | 2097 | 1196 x 296 x 85 | 3 | - | U21J1/LEDN25S | • |
| | ≤ 22 | 4000K | - | 4145 | 1196 x 296 x 85 | 3 | - | U21J1/LEDN40S | • |
| | | 3000K | - | 4145 | 1196 x 296 x 85 | 3 | - | U21J1/LEDW40S | • |

¹ IP44 from below

LINEAR - U25

| module | UGR | lamp type T _k | L _{av.} - limit cd/m ² | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option |
|---|------|---|---|--------------------|-----------------|------------|------------------------|---------------|--|
| Diffuser - glass / MesoOptics™ foil | | | | | | | | | |
|   | |  | | | | | | | |
| MEDIUM POWER | | | | | | | | | |
| 300 | ≤ 19 | 3000K | ≤ 1500 (65°) | 2648 | 1196 x 296 x 85 | 3 | - | U25M1/LEDW25S | • |
| | | 4000K | ≤ 1500 (65°) | 2648 | 1196 x 296 x 85 | 3 | - | U25M1/LEDN25S | • |
| | | 3000K | ≤ 3000 (65°) | 4047 | 1196 x 296 x 85 | 3 | - | U25M1/LEDW40S | • |
| | | 4000K | ≤ 3000 (65°) | 4047 | 1196 x 296 x 85 | 3 | - | U25M1/LEDN40S | • |
| | | 3000K | ≤ 3000 (65°) | 5247 | 1196 x 296 x 85 | 3 | - | U25M1/LEDW50S | • |
| | | 4000K | ≤ 3000 (65°) | 5247 | 1196 x 296 x 85 | 3 | - | U25M1/LEDN50S | • |

² IP40 from below



U21

U25



U2 with recessed mounting frame - webref. SU2004C1

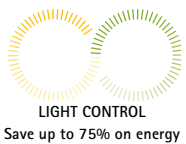


U2

Options and accessories

SQUARE and LINEAR

| | | |
|--|------|------|
| recessed mounting frame for plaster-board, wooden,... ceilings | M300 | U2H1 |
| | M600 | U2H2 |





U7

RECESSED LUMINAIRES WITH LED+LENS™

UPDATE



Housing

Lacquered sheet steel housing
Structured lacquer in RAL9003-white, other colours upon request
Wieland connection

Optic

LED+LENS™

Air extraction

Possible - see table: surface air extraction openings

The U7 order codes below replace the codes in the catalogue 2015 - 2016 p 19-23
Design: EER Architectural design, Belgium

Dimensional sketches → p 84








U7 square with air extraction - webref. SU7001D1

U7

SQUARE

| module | UGR | $L_{av, limit}$ cd/m ² | # LEDs | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option |
|--|------|--------------------------------------|--------|--|--------------------|-----------------|------------|------------------------|------------------|--|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | | | |
| | | | |  HIGH POWER | | | | | | |
| - | ≤ 16 | ≤ 1000 (65°) | 4 | 3000K | 800 | 180 x 180 x 53 | 4 | - | U719/LEDW0405S | - |
| | | | | 4000K | 850 | 180 x 180 x 53 | 4 | - | U719/LEDN0405S | - |
| 600 | ≤ 16 | ≤ 1000 (65°) | 24 | 3000K | 2550 | 596 x 596 x 50 | 5 | - | U712R1/LEDW2425S | - |
| | | | | 3000K | 2550 | 596 x 596 x 50 | 6 | 70 | U714R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 596 x 596 x 50 | 5 | - | U712R1/LEDW2430S | - |
| | | | | 3000K | 3050 | 596 x 596 x 50 | 6 | 70 | U714R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 596 x 596 x 50 | 5 | - | U712R1/LEDN2425S | - |
| | | | | 4000K | 2500 | 596 x 596 x 50 | 6 | 70 | U714R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 596 x 596 x 50 | 5 | - | U712R1/LEDN2430S | - |
| | | | | 4000K | 3100 | 596 x 596 x 50 | 6 | 70 | U714R1/LEDN2430S | - |
| 625 | ≤ 16 | ≤ 1000 (65°) | 24 | 3000K | 2550 | 621 x 621 x 50 | 5 | - | U718R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 621 x 621 x 50 | 5 | - | U718R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 621 x 621 x 50 | 5 | - | U718R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 621 x 621 x 50 | 5 | - | U718R1/LEDN2430S | - |
| LED+LENS™ - wide-angle distribution | | | | | | | | | | |
| | | | |  HIGH POWER | | | | | | |
| 600 | ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 596 x 596 x 50 | 5 | - | U722R1/LEDW2425S | - |
| | | | | 3000K | 2550 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 596 x 596 x 50 | 5 | - | U722R1/LEDW2430S | - |
| | | | | 3000K | 3050 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 596 x 596 x 50 | 5 | - | U722R1/LEDN2425S | - |
| | | | | 4000K | 2500 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 596 x 596 x 50 | 5 | - | U722R1/LEDN2430S | - |
| | | | | 4000K | 3100 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDN2430S | - |
| | | | 36 | 3000K | 3500 | 596 x 596 x 50 | 5 | - | U722R1/LEDW3635S | - |
| | | | | 3000K | 3500 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDW3635S | - |
| | | | | 3000K | 4550 | 596 x 596 x 50 | 5 | - | U722R1/LEDW3645S | - |
| | | | | 3000K | 4550 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDW3645S | - |
| | | | | 4000K | 3500 | 596 x 596 x 50 | 5 | - | U722R1/LEDN3635S | - |
| | | | | 4000K | 3500 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDN3635S | - |
| | | | | 4000K | 4700 | 596 x 596 x 50 | 5 | - | U722R1/LEDN3645S | - |
| | | | | 4000K | 4700 | 596 x 596 x 50 | 6 | 70 | U724R1/LEDN3645S | - |
| 625 | ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 621 x 621 x 50 | 5 | - | U728R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 621 x 621 x 50 | 5 | - | U728R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 621 x 621 x 50 | 5 | - | U728R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 621 x 621 x 50 | 5 | - | U728R1/LEDN2430S | - |
| | | | 36 | 3000K | 3500 | 621 x 621 x 50 | 5 | - | U728R1/LEDW3635S | - |
| | | | | 3000K | 4550 | 621 x 621 x 50 | 5 | - | U728R1/LEDW3645S | - |
| | | | | 4000K | 3500 | 621 x 621 x 50 | 5 | - | U728R1/LEDN3635S | - |
| | | | | 4000K | 4700 | 621 x 621 x 50 | 5 | - | U728R1/LEDN3645S | - |



U71
medium wide-angle





U72
wide-angle

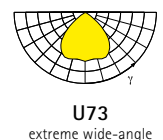


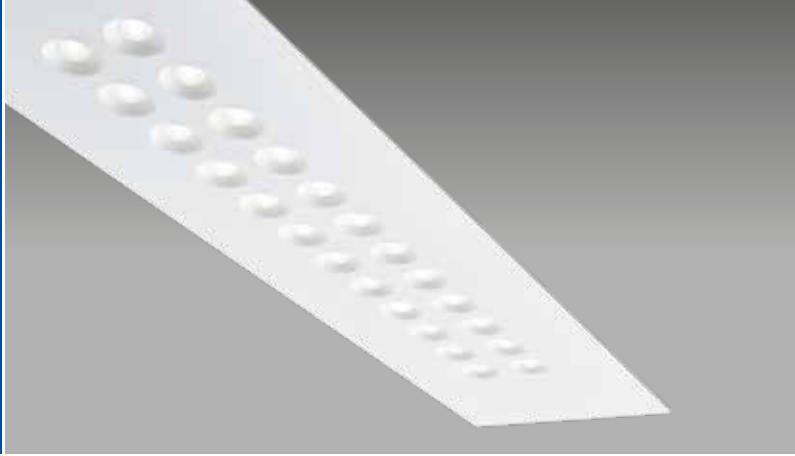
U7 linear with air extraction - webref. SU7003A5

U7

SQUARE

| module | UGR | $L_{avg} - limit$ cd/m ² | # LEDs | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option | | | |
|---|--------------|--|--------------|--------------------|--------------------|-----------------|------------------|------------------------|------------------|--|---|------------------|---|
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| 600 | ≤ 19 | ≤ 3000 (65°) | 48 | 3000K | 6549 | 596 x 596 x 50 | 5 | - | U732R1/LEDW4870S | - | | | |
| | | | | 3000K | 6549 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDW4870S | - | | | |
| | | | | 4000K | 6549 | 596 x 596 x 50 | 5 | - | U732R1/LEDN4870S | - | | | |
| | | | | 4000K | 6549 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDN4870S | - | | | |
| | ≤ 19 | ≤ 1500 (65°) | 36 | 3000K | 3599 | 596 x 596 x 50 | 5 | - | U732R1/LEDW3635S | - | | | |
| | | | | 3000K | 3599 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDW3635S | - | | | |
| | | | | 4000K | 3599 | 596 x 596 x 50 | 5 | - | U732R1/LEDN3635S | - | | | |
| | | | | 4000K | 3599 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDN3635S | - | | | |
| | | ≤ 3000 (65°) | 24 | 3000K | 2549 | 596 x 596 x 50 | 5 | - | U732R1/LEDW2425S | - | | | |
| | | | | 3000K | 2549 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDW2425S | - | | | |
| | | | | 3000K | 3049 | 596 x 596 x 50 | 5 | - | U732R1/LEDW2430S | - | | | |
| | | | | 3000K | 3049 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDW2430S | - | | | |
| | 4000K | | 2549 | 596 x 596 x 50 | 5 | - | U732R1/LEDN2425S | - | | | | | |
| | | | 2549 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDN2425S | - | | | | | |
| | | | 3049 | 596 x 596 x 50 | 5 | - | U732R1/LEDN2430S | - | | | | | |
| | | | 3049 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDN2430S | - | | | | | |
| | 36 | 3000K | 4549 | 596 x 596 x 50 | 5 | - | U732R1/LEDW3645S | - | | | | | |
| | | 3000K | 4549 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDW3645S | - | | | | | |
| | | 4000K | 4599 | 596 x 596 x 50 | 5 | - | U732R1/LEDN3645S | - | | | | | |
| | | 4000K | 4599 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDN3645S | - | | | | | |
| | 48 | 3000K | 6049 | 596 x 596 x 50 | 5 | - | U732R1/LEDW4860S | - | | | | | |
| | | | 6049 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDW4860S | - | | | | | |
| | | | 6099 | 596 x 596 x 50 | 5 | - | U732R1/LEDN4860S | - | | | | | |
| | | | 6099 | 596 x 596 x 50 | 6 | 70 | U734R1/LEDN4860S | - | | | | | |
| 625 | | ≤ 19 | ≤ 3000 (65°) | 48 | 3000K | 6549 | 621 x 621 x 50 | 5 | - | U738R1/LEDW4870S | - | | |
| | | | | | 4000K | 6549 | 621 x 621 x 50 | 5 | - | U738R1/LEDN4870S | - | | |
| | | | | | ≤ 1500 (65°) | 36 | 3000K | 3599 | 621 x 621 x 50 | 5 | - | U738R1/LEDW3635S | - |
| | | | | | | | 4000K | 3599 | 621 x 621 x 50 | 5 | - | U738R1/LEDN3635S | - |
| | ≤ 3000 (65°) | 24 | 3000K | 2549 | 621 x 621 x 50 | 5 | - | U738R1/LEDW2425S | - | | | | |
| | | | 3000K | 3049 | 621 x 621 x 50 | 5 | - | U738R1/LEDW2430S | - | | | | |
| | | 4000K | 2549 | 621 x 621 x 50 | 5 | - | U738R1/LEDN2425S | - | | | | | |
| | | | 3049 | 621 x 621 x 50 | 5 | - | U738R1/LEDN2430S | - | | | | | |
| | 36 | 3000K | 4549 | 621 x 621 x 50 | 5 | - | U738R1/LEDW3645S | - | | | | | |
| | | 4000K | 4599 | 621 x 621 x 50 | 5 | - | U738R1/LEDN3645S | - | | | | | |
| | | 48 | 3000K | 6049 | 621 x 621 x 50 | 5 | - | U738R1/LEDW4860S | - | | | | |
| | | | 4000K | 6099 | 621 x 621 x 50 | 5 | - | U738R1/LEDN4860S | - | | | | |







U7 linear with mounting frame - webref. SU7003B3

U7

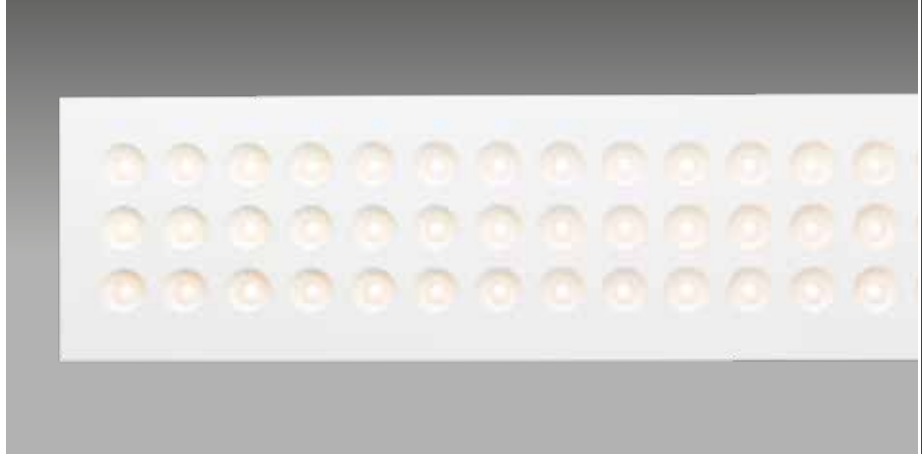
LINEAR

| module | UGR | L_{av} - limit cd/m ² | # LEDs | lamp type T _c | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option |
|--|------|---------------------------------------|-----------|---|--------------------|-----------------|------------|------------------------|------------------|--|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | | | |
| | | | |  HIGH POWER | | | | | | |
| 1800 ¹ | ≤ 16 | ≤ 1000 (65°) | 24 | 3000K | 2550 | 1720 x 296 x 50 | 7 | - | U715R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 1720 x 296 x 50 | 7 | - | U715R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 1720 x 296 x 50 | 7 | - | U715R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 1720 x 296 x 50 | 7 | - | U715R1/LEDN2430S | - |
| 300 | ≤ 16 | ≤ 1000 (65°) | 24 | 3000K | 2550 | 1196 x 296 x 50 | 8 | - | U711R1/LEDW2425S | - |
| | | | | 3000K | 2550 | 1196 x 296 x 50 | 9 | 120 | U713R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 1196 x 296 x 50 | 8 | - | U711R1/LEDW2430S | - |
| | | | | 3000K | 3050 | 1196 x 296 x 50 | 9 | 120 | U713R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 1196 x 296 x 50 | 8 | - | U711R1/LEDN2425S | - |
| | | | | 4000K | 2500 | 1196 x 296 x 50 | 9 | 120 | U713R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 1196 x 296 x 50 | 8 | - | U711R1/LEDN2430S | - |
| | | | | 4000K | 3100 | 1196 x 296 x 50 | 9 | 120 | U713R1/LEDN2430S | - |
| 625 | ≤ 16 | ≤ 1000 (65°) | 24 | 3000K | 2550 | 1246 x 308 x 50 | 10 | - | U717R1/LEDW2425S | - |
| | | | | 3000K | 3050 | 1246 x 308 x 50 | 10 | - | U717R1/LEDW2430S | - |
| | | | | 4000K | 2500 | 1246 x 308 x 50 | 10 | - | U717R1/LEDN2425S | - |
| | | | | 4000K | 3100 | 1246 x 308 x 50 | 10 | - | U717R1/LEDN2430S | - |

¹ 'BANDRASTER'





U71
medium wide-angle



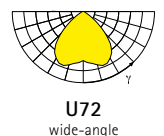
U7 - webref. SU7003B1

U7

LINEAR

| module | UGR | L_{avg} - limit cd/m ² | # LEDs | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option | | | | |
|-------------------------------------|-------|--|-----------------|---|--------------------|-----------------|------------|------------------------|------------------|--|---|-----|------------------|---|
| LED+LENS™ - wide-angle distribution | | | | | | | | | | | | | | |
| | | | |  HIGH POWER | | | | | | | | | | |
| 1800 ¹ | ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 1720 x 296 x 50 | 7 | - | U725R1/LEDW2425S | - | | | | |
| | | | | 3000K | 3050 | 1720 x 296 x 50 | 7 | - | U725R1/LEDW2430S | - | | | | |
| | | | | 4000K | 2500 | 1720 x 296 x 50 | 7 | - | U725R1/LEDN2425S | - | | | | |
| | | | | 4000K | 3100 | 1720 x 296 x 50 | 7 | - | U725R1/LEDN2430S | - | | | | |
| | | | 36 | 3000K | 3500 | 1720 x 296 x 50 | 7 | - | U725R1/LEDW3635S | - | | | | |
| | | | | 3000K | 4550 | 1720 x 296 x 50 | 7 | - | U725R1/LEDW3645S | - | | | | |
| | | | | 4000K | 3500 | 1720 x 296 x 50 | 7 | - | U725R1/LEDN3635S | - | | | | |
| | | | | 4000K | 4700 | 1720 x 296 x 50 | 7 | - | U725R1/LEDN3645S | - | | | | |
| | | | | 300 | ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 1196 x 296 x 50 | 8 | - | U721R1/LEDW2425S | - |
| | | | | | | | | 3000K | 2550 | 1196 x 296 x 50 | 9 | 120 | U723R1/LEDW2425S | - |
| | | | | | | | | 3000K | 3050 | 1196 x 296 x 50 | 8 | - | U721R1/LEDW2430S | - |
| | | | | | | | | 3000K | 3050 | 1196 x 296 x 50 | 9 | 120 | U723R1/LEDW2430S | - |
| 36 | 4000K | 2500 | 1196 x 296 x 50 | | | | 8 | - | U721R1/LEDN2425S | - | | | | |
| | 4000K | 2500 | 1196 x 296 x 50 | | | | 9 | 120 | U723R1/LEDN2425S | - | | | | |
| | 4000K | 3100 | 1196 x 296 x 50 | | | | 8 | - | U721R1/LEDN2430S | - | | | | |
| | 4000K | 3100 | 1196 x 296 x 50 | | | | 9 | 120 | U723R1/LEDN2430S | - | | | | |
| | 3000K | 3500 | 1196 x 296 x 50 | | | | 8 | - | U721R1/LEDW3635S | - | | | | |
| | 3000K | 3500 | 1196 x 296 x 50 | | | | 9 | 120 | U723R1/LEDW3635S | - | | | | |
| | 3000K | 4550 | 1196 x 296 x 50 | | | | 8 | - | U721R1/LEDW3645S | - | | | | |
| | 3000K | 4550 | 1196 x 296 x 50 | | | | 9 | 120 | U723R1/LEDW3645S | - | | | | |
| 625 | ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 1246 x 308 x 50 | 10 | - | U727R1/LEDW2425S | - | | | | |
| | | | | 3000K | 3050 | 1246 x 308 x 50 | 10 | - | U727R1/LEDW2430S | - | | | | |
| | | | | 4000K | 2500 | 1246 x 308 x 50 | 10 | - | U727R1/LEDN2425S | - | | | | |
| | | | | 4000K | 3100 | 1246 x 308 x 50 | 10 | - | U727R1/LEDN2430S | - | | | | |
| | | | 36 | 3000K | 3500 | 1246 x 308 x 50 | 10 | - | U727R1/LEDW3635S | - | | | | |
| | | | | 3000K | 4550 | 1246 x 308 x 50 | 10 | - | U727R1/LEDW3645S | - | | | | |
| | | | | 4000K | 3500 | 1246 x 308 x 50 | 10 | - | U727R1/LEDN3635S | - | | | | |
| | | | | 4000K | 4700 | 1246 x 308 x 50 | 10 | - | U727R1/LEDN3645S | - | | | | |
| | | | | 3000K | 2550 | 1246 x 308 x 50 | 10 | - | U727R1/LEDW2425S | - | | | | |
| | | | | 3000K | 3050 | 1246 x 308 x 50 | 10 | - | U727R1/LEDW2430S | - | | | | |
| | | | | 4000K | 2500 | 1246 x 308 x 50 | 10 | - | U727R1/LEDN2425S | - | | | | |
| | | | | 4000K | 3100 | 1246 x 308 x 50 | 10 | - | U727R1/LEDN2430S | - | | | | |

¹ BANDRASTER







U7 - webref. SU7003B3

U7

LINEAR

| module | UGR | L_{av} - limit cd/m ² | # LEDs | lamp type T _c | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option | | | |
|---|--------------|---------------------------------------|-----------------|---|--------------------|-----------------|------------------|------------------------|------------------|--|-----|------------------|---|
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | | | | | | |
| | | | |  | | | | | | | | | |
| 1800 ¹ | ≤ 19 | ≤ 3000 (65°) | 48 | 3000K | 6549 | 1720 x 296 x 50 | 7 | - | U735R1/LEDW4870S | - | | | |
| | | | | 4000K | 6549 | 1720 x 296 x 50 | 7 | - | U735R1/LEDN4870S | - | | | |
| | ≤ 19 | ≤ 1500 (65°) | 36 | 3000K | 3599 | 1720 x 296 x 50 | 7 | - | U735R1/LEDW3635S | - | | | |
| | | | | 4000K | 3599 | 1720 x 296 x 50 | 7 | - | U735R1/LEDN3635S | - | | | |
| | | | | ≤ 3000 (65°) | 3000K | 2549 | 1720 x 296 x 50 | 7 | - | U735R1/LEDW2425S | - | | |
| | | | | | 3000K | 3049 | 1720 x 296 x 50 | 7 | - | U735R1/LEDW2430S | - | | |
| | | | | | 4000K | 2549 | 1720 x 296 x 50 | 7 | - | U735R1/LEDN2425S | - | | |
| | | | | 4000K | 3049 | 1720 x 296 x 50 | 7 | - | U735R1/LEDN2430S | - | | | |
| | 36 | 3000K | 4549 | | 1720 x 296 x 50 | 7 | - | U735R1/LEDW3645S | - | | | | |
| | | 4000K | 4599 | | 1720 x 296 x 50 | 7 | - | U735R1/LEDN3645S | - | | | | |
| | 48 | 3000K | 6049 | 1720 x 296 x 50 | 7 | - | U735R1/LEDW4860S | - | | | | | |
| | | 4000K | 6099 | 1720 x 296 x 50 | 7 | - | U735R1/LEDN4860S | - | | | | | |
| 300 | ≤ 19 | ≤ 3000 (65°) | 48 | 3000K | 6549 | 1196 x 296 x 50 | 8 | - | U731R1/LEDW4870S | - | | | |
| | | | | 3000K | 6549 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDW4870S | - | | | |
| | | | | 4000K | 6549 | 1196 x 296 x 50 | 8 | - | U731R1/LEDN4870S | - | | | |
| | | | | 4000K | 6549 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDN4870S | - | | | |
| | | | | ≤ 19 | ≤ 1500 (65°) | 36 | 3000K | 3599 | 1196 x 296 x 50 | 8 | - | U731R1/LEDW3635S | - |
| | | | | | | | 3000K | 3599 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDW3635S | - |
| | 4000K | 3599 | 1196 x 296 x 50 | | | | 8 | - | U731R1/LEDN3635S | - | | | |
| | 4000K | 3599 | 1196 x 296 x 50 | | | | 9 | 120 | U733R1/LEDN3635S | - | | | |
| | ≤ 3000 (65°) | 3000K | 2549 | | | | 1196 x 296 x 50 | 8 | - | U731R1/LEDW2425S | - | | |
| | | 3000K | 2549 | | | | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDW2425S | - | | |
| | | 3000K | 3049 | | | | 1196 x 296 x 50 | 8 | - | U731R1/LEDW2430S | - | | |
| | | 3000K | 3049 | | | | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDW2430S | - | | |
| | | 4000K | 2549 | | | | 1196 x 296 x 50 | 8 | - | U731R1/LEDN2425S | - | | |
| | | 4000K | 2549 | | | | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDN2425S | - | | |
| | 4000K | 3049 | 1196 x 296 x 50 | | | | 8 | - | U731R1/LEDN2430S | - | | | |
| | | 3049 | 1196 x 296 x 50 | | | | 9 | 120 | U733R1/LEDN2430S | - | | | |
| | | 36 | 3000K | 4549 | 1196 x 296 x 50 | 8 | - | U731R1/LEDW3645S | - | | | | |
| | | | 3000K | 4549 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDW3645S | - | | | | |
| | | 4000K | 4599 | 1196 x 296 x 50 | 8 | - | U731R1/LEDN3645S | - | | | | | |
| | | | 4599 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDN3645S | - | | | | | |
| | 48 | 3000K | 6049 | 1196 x 296 x 50 | 8 | - | U731R1/LEDW4860S | - | | | | | |
| | | 3000K | 6049 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDW4860S | - | | | | | |
| | | 4000K | 6099 | 1196 x 296 x 50 | 8 | - | U731R1/LEDN4860S | - | | | | | |
| | | 4000K | 6099 | 1196 x 296 x 50 | 9 | 120 | U733R1/LEDN4860S | - | | | | | |
| 625 | | ≤ 19 | ≤ 3000 (65°) | 48 | 3000K | 6549 | 1246 x 308 x 50 | 10 | - | U737R1/LEDW4870S | - | | |
| | | | | | 4000K | 6549 | 1246 x 308 x 50 | 10 | - | U737R1/LEDN4870S | - | | |
| ≤ 19 | ≤ 1500 (65°) | 36 | 3000K | 3599 | 1246 x 308 x 50 | 10 | - | U737R1/LEDW3635S | - | | | | |
| | | | 4000K | 3599 | 1246 x 308 x 50 | 10 | - | U737R1/LEDN3635S | - | | | | |
| | | | ≤ 3000 (65°) | 3000K | 2549 | 1246 x 308 x 50 | 10 | - | U737R1/LEDW2425S | - | | | |
| | | | | 3000K | 3049 | 1246 x 308 x 50 | 10 | - | U737R1/LEDW2430S | - | | | |
| | | | | 4000K | 2549 | 1246 x 308 x 50 | 10 | - | U737R1/LEDN2425S | - | | | |
| | | | | 4000K | 3049 | 1246 x 308 x 50 | 10 | - | U737R1/LEDN2430S | - | | | |
| | | | | 36 | 3000K | 4549 | 1246 x 308 x 50 | 10 | - | U737R1/LEDW3645S | - | | |
| | | | | | 4000K | 4599 | 1246 x 308 x 50 | 10 | - | U737R1/LEDN3645S | - | | |
| | | | 48 | 3000K | 6049 | 1246 x 308 x 50 | 10 | - | U737R1/LEDW4860S | - | | | |
| | | | | 4000K | 6099 | 1246 x 308 x 50 | 10 | - | U737R1/LEDN4860S | - | | | |

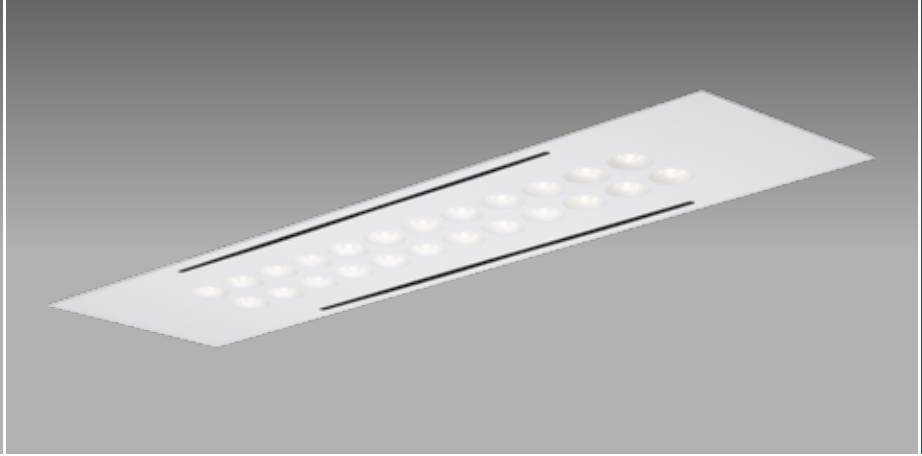
¹ 'BANDRASTER'



U73
extreme wide-angle





U7 - webref. SU7003A6



U7 linear with air extraction - webref. SU7003A5

U7

LINEAR

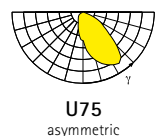
| module | UGR | $L_{av} - limit$ cd/m ² | # LEDs | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | air cm ² | order code |  option | | | | |
|---|------|---------------------------------------|-----------|--------------------|--------------------|-----------------|------------|------------------------|------------------|---|----|---|------------------|---|
| LED+LENS™ - asymmetric distribution | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
| 1800 ¹ | - | - | 24 | 3000K | 3050 | 1720 x 296 x 50 | 7 | - | U755R1/LEDW2430S | - | | | | |
| | | | | 4000K | 3100 | 1720 x 296 x 50 | 7 | - | U755R1/LEDN2430S | - | | | | |
| | | | 36 | 3000K | 3500 | 1720 x 296 x 50 | 7 | - | U755R1/LEDW3635S | - | | | | |
| | | | | 3000K | 4550 | 1720 x 296 x 50 | 7 | - | U755R1/LEDW3645S | - | | | | |
| | | | | 4000K | 3500 | 1720 x 296 x 50 | 7 | - | U755R1/LEDN3635S | - | | | | |
| | | | | 4000K | 4700 | 1720 x 296 x 50 | 7 | - | U755R1/LEDN3645S | - | | | | |
| 300 | - | - | 24 | 3000K | 3050 | 1196 x 296 x 50 | 8 | - | U751R1/LEDW2430S | - | | | | |
| | | | | 3000K | 3050 | 1196 x 296 x 50 | 9 | 120 | U753R1/LEDW2430S | - | | | | |
| | | | | 4000K | 3100 | 1196 x 296 x 50 | 8 | - | U751R1/LEDN2430S | - | | | | |
| | | | | 4000K | 3100 | 1196 x 296 x 50 | 9 | 120 | U753R1/LEDN2430S | - | | | | |
| | | | 36 | 3000K | 3500 | 1196 x 296 x 50 | 8 | - | U751R1/LEDW3635S | - | | | | |
| | | | | 3000K | 3500 | 1196 x 296 x 50 | 9 | 120 | U753R1/LEDW3635S | - | | | | |
| | | | | 3000K | 4550 | 1196 x 296 x 50 | 8 | - | U751R1/LEDW3645S | - | | | | |
| | | | | 3000K | 4550 | 1196 x 296 x 50 | 9 | 120 | U753R1/LEDW3645S | - | | | | |
| | | | | 4000K | 3500 | 1196 x 296 x 50 | 8 | - | U751R1/LEDN3635S | - | | | | |
| | | | | 4000K | 3500 | 1196 x 296 x 50 | 9 | 120 | U753R1/LEDN3635S | - | | | | |
| | | | | 4000K | 4700 | 1196 x 296 x 50 | 8 | - | U751R1/LEDN3645S | - | | | | |
| | | | | 4000K | 4700 | 1196 x 296 x 50 | 9 | 120 | U753R1/LEDN3645S | - | | | | |
| | | | | 625 | - | - | 24 | 3000K | 3050 | 1246 x 308 x 50 | 10 | - | U757R1/LEDW2430S | - |
| | | | | | | | | 3000K | 3500 | 1246 x 308 x 50 | 10 | - | U757R1/LEDW3635S | - |
| 3000K | 4550 | 1246 x 308 x 50 | 10 | | | | | - | U757R1/LEDW3645S | - | | | | |
| 4000K | 3100 | 1246 x 308 x 50 | 10 | | | | | - | U757R1/LEDN2430S | - | | | | |
| 4000K | 3500 | 1246 x 308 x 50 | 10 | | | | | - | U757R1/LEDN3635S | - | | | | |
| 4000K | 4700 | 1246 x 308 x 50 | 10 | | | | | - | U757R1/LEDN3645S | - | | | | |

¹ 'BANDRASTER'

Options and accessories

SQUARE and LINEAR:
mounting frame for plaster-board and wooden ceilings

consult ETAP





R7

SURFACE MOUNTED AND SUSPENDED LUMINAIRES WITH LED+LENS™

UPDATE



Housing

Lacquered sheet steel housing
Structured lacquer in RAL9003-white or RAL9006-white aluminium
Other colours upon request



Optic

LED+LENS™

*The R7 order codes below replace the codes in the catalogue 2015 - 2016 p 71-79
Design: EER Architectural design, Belgium*

Dimensional sketches → p 86







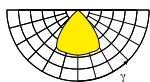
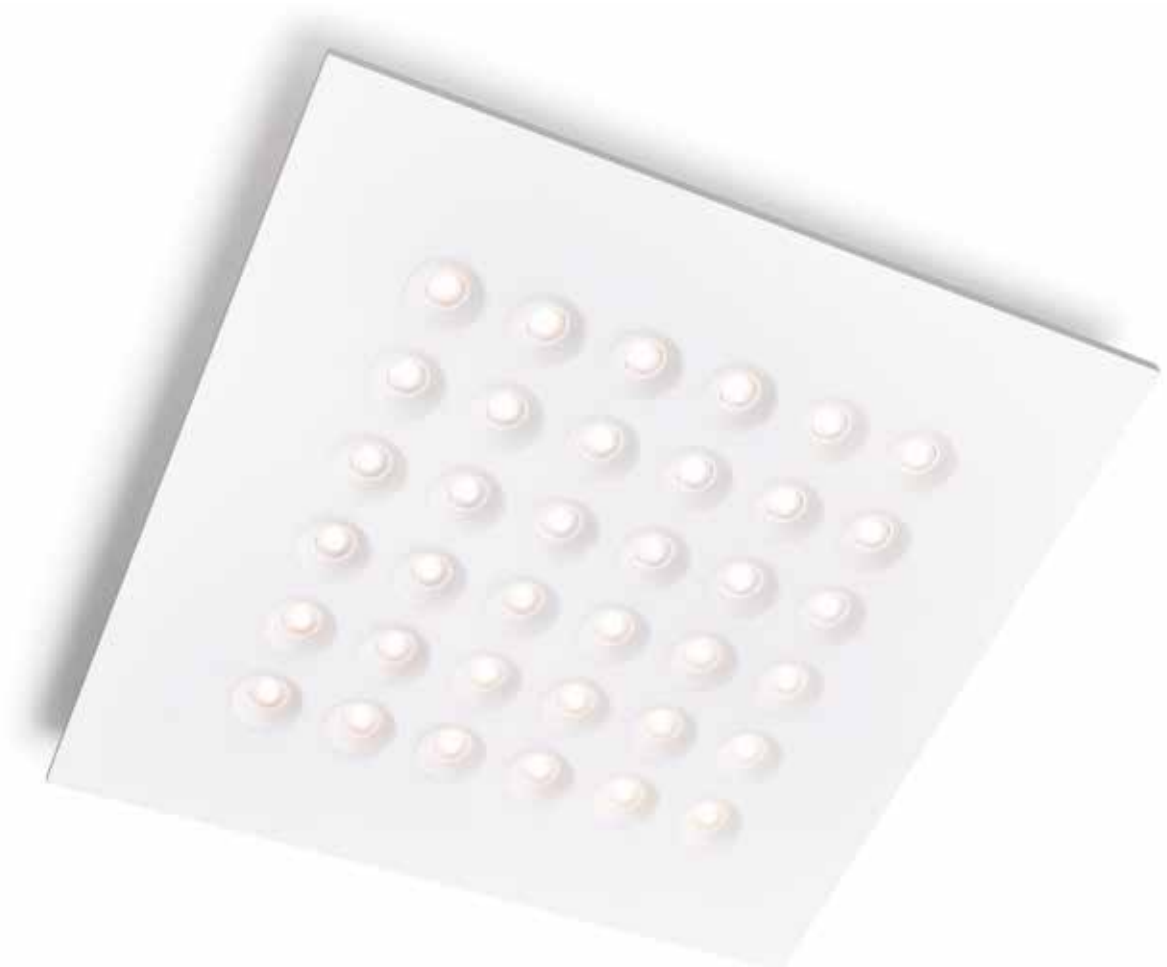
R7 mini - webref. SR7005A2

R7

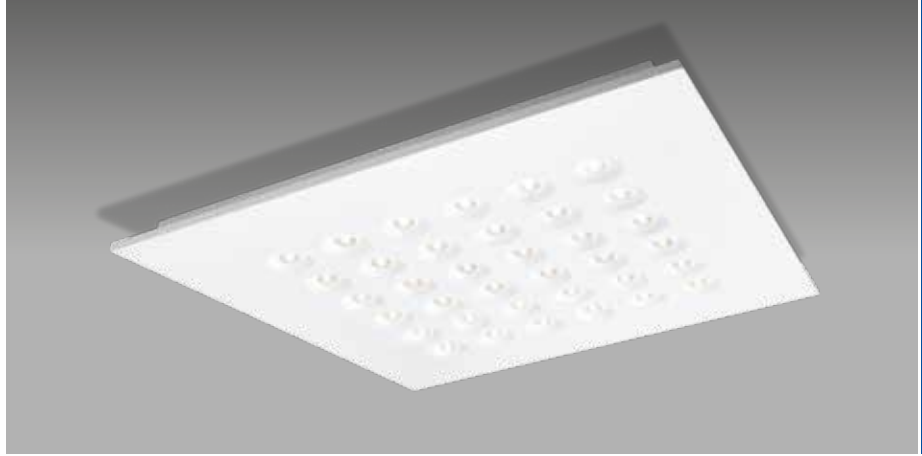
SURFACE MOUNTED LUMINAIRE - MINI individual

| UGR | $L_{av. - limit}$ cd/m ² | # LEDs | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code ¹ |  option |
|--|--|-----------|--|--------------------|-----------------|------------|-------------------------|--|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 4 |  HIGH POWER | | | | | |
| | | | 3000K | 800 | 180 x 180 x 53 | 11 | R718/LEDW0405S | - |
| | | | 4000K | 850 | 180 x 180 x 53 | 11 | R718/LEDN0405S | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium






R718
medium wide-angle



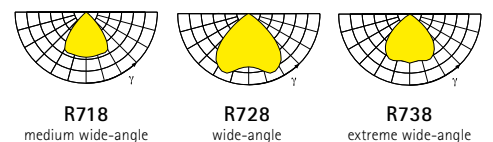
R7 square, surface mounted - webref. SR7001F3

R7

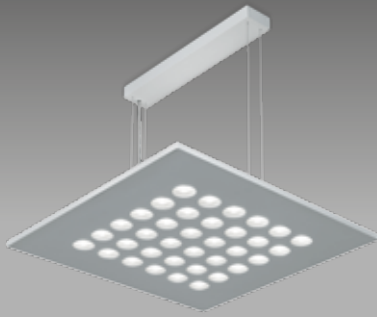
SURFACE MOUNTED LUMINAIRE
individual - square

| UGR | L_{av} - limit cd/m ² | # LEDs | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code ¹ | option |
|---|---------------------------------------|-----------|--|--------------------|-----------------|------------|-------------------------|--------|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | |
| | | |  HIGH POWER | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 24 | 3000K | 2550 | 600 x 600 x 55 | 12 | R718R1/LEDW2425S | - |
| | | | 3000K | 3000 | 600 x 600 x 55 | 12 | R718R1/LEDW2430S | - |
| | | | 4000K | 2550 | 600 x 600 x 55 | 12 | R718R1/LEDN2425S | - |
| | | | 4000K | 3050 | 600 x 600 x 55 | 12 | R718R1/LEDN2430S | - |
| LED+LENS™ - wide-angle distribution | | | | | | | | |
| | | |  HIGH POWER | | | | | |
| ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 600 x 600 x 55 | 12 | R728R1/LEDW2425S | - |
| | | | 3000K | 3000 | 600 x 600 x 55 | 12 | R728R1/LEDW2430S | - |
| | | | 4000K | 2550 | 600 x 600 x 55 | 12 | R728R1/LEDN2425S | - |
| | | | 4000K | 3050 | 600 x 600 x 55 | 12 | R728R1/LEDN2430S | - |
| | | 36 | 3000K | 3550 | 600 x 600 x 55 | 12 | R728R1/LEDW3635S | - |
| | | | 3000K | 4550 | 600 x 600 x 55 | 12 | R728R1/LEDW3645S | - |
| | | | 4000K | 3600 | 600 x 600 x 55 | 12 | R728R1/LEDN3635S | - |
| | | | 4000K | 4550 | 600 x 600 x 55 | 12 | R728R1/LEDN3645S | - |
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | |
| | | |  HIGH POWER | | | | | |
| ≤ 19 | 1500 (65°) | 36 | 3000K | 3649 | 600 x 600 x 55 | 12 | R738R1/LEDW3635SX1 | - |
| | | | 4000K | 3499 | 600 x 600 x 55 | 12 | R738R1/LEDN3635SX1 | - |
| | 3000 (65°) | 24 | 3000K | 2599 | 600 x 600 x 55 | 12 | R738R1/LEDW2425SX1 | - |
| | | | 3000K | 2949 | 600 x 600 x 55 | 12 | R738R1/LEDW2430SX1 | - |
| | | | 4000K | 2599 | 600 x 600 x 55 | 12 | R738R1/LEDN2425SX1 | - |
| | | | 4000K | 3049 | 600 x 600 x 55 | 12 | R738R1/LEDN2430SX1 | - |
| | | 36 | 3000K | 4449 | 600 x 600 x 55 | 12 | R738R1/LEDW3645SX1 | - |
| | | | 4000K | 4549 | 600 x 600 x 55 | 12 | R738R1/LEDN3645SX1 | - |
| | | 48 | 3000K | 5899 | 600 x 600 x 55 | 12 | R738R1/LEDW4860SX1 | - |
| | | | 4000K | 6099 | 600 x 600 x 55 | 12 | R738R1/LEDN4860SX1 | - |
| ≤ 19 | 3000 (65°) | 48 | 3000K | 6499 | 600 x 600 x 55 | 12 | R738R1/LEDW4870SX1 | - |
| | | | 4000K | 6499 | 600 x 600 x 55 | 12 | R738R1/LEDN4870SX1 | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium






SURFACE MOUNTED AND SUSPENDED LUMINAIRES



R7 square, suspension - webref. SR7003D2

R7

SUSPENDED LUMINAIRE individual - square

| UGR | $L_{av.} - \text{limit}$ cd/m ² | # LEDs | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code ¹ | option |
|--|---|-----------|--------------------|--------------------|-----------------|------------|-------------------------|--------|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1000 (55°) | 36+20 | 3000K | 3599 | 600 x 600 x 45 | 13 | R719R1/LEDW3635S | - |
| | | 36+20 | 3000K | 4649 | 600 x 600 x 45 | 13 | R719R1/LEDW3645S | - |
| | | 36+20 | 4000K | 3699 | 600 x 600 x 45 | 13 | R719R1/LEDN3635S | - |
| | | 36+20 | 4000K | 4549 | 600 x 600 x 45 | 13 | R719R1/LEDN3645S | - |
| LED+LENS™ - wide-angle distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 36+20 | 3000K | 3600 | 600 x 600 x 45 | 13 | R729R1/LEDW3635S | - |
| | | 36+20 | 3000K | 4650 | 600 x 600 x 45 | 13 | R729R1/LEDW3645S | - |
| | | 36+20 | 4000K | 3700 | 600 x 600 x 45 | 13 | R729R1/LEDN3635S | - |
| | | 36+20 | 4000K | 4550 | 600 x 600 x 45 | 13 | R729R1/LEDN3645S | - |
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 36+20 | 3000K | 3549 | 600 x 600 x 45 | 13 | R739R1/LEDW3635S | - |
| | | | 4000K | 3649 | 600 x 600 x 45 | 13 | R739R1/LEDN3635S | - |
| | ≤ 1500 (65°) | 36+20 | 3000K | 4549 | 600 x 600 x 45 | 13 | R739R1/LEDW3645S | - |
| | | | 4000K | 4699 | 600 x 600 x 45 | 13 | R739R1/LEDN3645S | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium



R719
medium wide-angle



R729
wide-angle








R739
extreme wide-angle



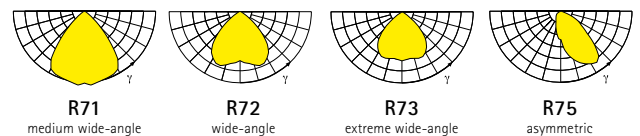
R7 - webref. SR7001A3

R7

SURFACE MOUNTED LUMINAIRE
individual - linear

| UGR | L_{av} - limit cd/m ² | # LED | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code ¹ |  option | | | |
|--|---------------------------------------|--------------|--|--|-----------------|--|-------------------------|---|---|--|--|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | | | | |
| | | |  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 18 | 3000K | 2200 | 1500 x 75 x 50 | 14 | R710R1/LEDW1820S | - | | | |
| | | | 4000K | 2300 | 1500 x 75 x 50 | 14 | R710R1/LEDN1820S | - | | | |
| | | 24 | 3000K | 2550 | 1500 x 150 x 50 | 14 | R710R1/LEDW2425S | - | | | |
| | | | 3000K | 3000 | 1500 x 150 x 50 | 14 | R710R1/LEDW2430S | - | | | |
| | | | 4000K | 2550 | 1500 x 150 x 50 | 14 | R710R1/LEDN2425S | - | | | |
| | | | 4000K | 3050 | 1500 x 150 x 50 | 14 | R710R1/LEDN2430S | - | | | |
| LED+LENS™ - wide-angle distribution | | | | | | | | | | | |
| | | |  HIGH POWER | | | | | | | | |
| ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 1500 x 150 x 50 | 14 | R720R1/LEDW2425S | - | | | |
| | | | 3000K | 3000 | 1500 x 150 x 50 | 14 | R720R1/LEDW2430S | - | | | |
| | | | 4000K | 2550 | 1500 x 150 x 50 | 14 | R720R1/LEDN2425S | - | | | |
| | | | 4000K | 3050 | 1500 x 150 x 50 | 14 | R720R1/LEDN2430S | - | | | |
| | | 36 | 3000K | 3550 | 1500 x 150 x 50 | 14 | R720R1/LEDW3635S | - | | | |
| | | | 3000K | 4550 | 1500 x 150 x 50 | 14 | R720R1/LEDW3645S | - | | | |
| | | | 4000K | 3600 | 1500 x 150 x 50 | 14 | R720R1/LEDN3635S | - | | | |
| | | | 4000K | 4550 | 1500 x 150 x 50 | 14 | R720R1/LEDN3645S | - | | | |
| | | | LED+LENS™ - extreme wide-angle distribution | | | | | | | | |
| | | | | | |  HIGH POWER | | | | | |
| ≤ 19 | ≤ 1500 (65°) | 36 | 3000K | 3649 | 1500 x 150 x 50 | 14 | R730R1/LEDW3635S | - | | | |
| | | | 4000K | 3499 | 1500 x 150 x 50 | 14 | R730R1/LEDN3635S | - | | | |
| | | 24 | 3000K | 2599 | 1500 x 150 x 50 | 14 | R730R1/LEDW2425S | - | | | |
| | | | 3000K | 2949 | 1500 x 150 x 50 | 14 | R730R1/LEDW2430S | - | | | |
| | 4000K | | 2599 | 1500 x 150 x 50 | 14 | R730R1/LEDN2425S | - | | | | |
| | 4000K | | 3049 | 1500 x 150 x 50 | 14 | R730R1/LEDN2430S | - | | | | |
| | 36 | | 3000K | 4449 | 1500 x 150 x 50 | 14 | R730R1/LEDW3645S | - | | | |
| | | | 4000K | 4549 | 1500 x 150 x 50 | 14 | R730R1/LEDN3645S | - | | | |
| | 48 | 3000K | 5899 | 1920 x 150 x 50 | 15 | R730R1/LEDW4860S | - | | | | |
| | | 4000K | 6099 | 1920 x 150 x 50 | 15 | R730R1/LEDN4860S | - | | | | |
| | | ≤ 3000 (65°) | 48 | 3000K | 6499 | 1920 x 150 x 50 | 15 | R730R1/LEDW4870S | - | | |
| | | | | 4000K | 6499 | 1920 x 150 x 50 | 15 | R730R1/LEDN4870S | - | | |
| | LED+LENS™ - asymmetric distribution | | | | | | | | | | |
| | | | |  HIGH POWER | | | | | | | |
| - | - | 36 | 3000K | 3550 | 1500 x 150 x 50 | 14 | R750R1/LEDW3635S | - | | | |
| | | 36 | 3000K | 4550 | 1500 x 150 x 50 | 14 | R750R1/LEDW3645S | - | | | |
| | | 36 | 4000K | 3600 | 1500 x 150 x 50 | 14 | R750R1/LEDN3635S | - | | | |
| | | 36 | 4000K | 4550 | 1500 x 150 x 50 | 14 | R750R1/LEDN3645S | - | | | |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium



SURFACE MOUNTED AND
SUSPENDED LUMINAIRES










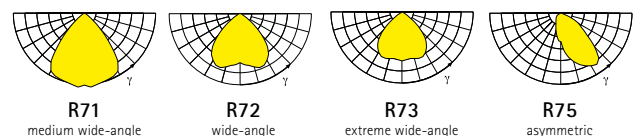
R7 straight line mounting - webref. SR7001C5

R7

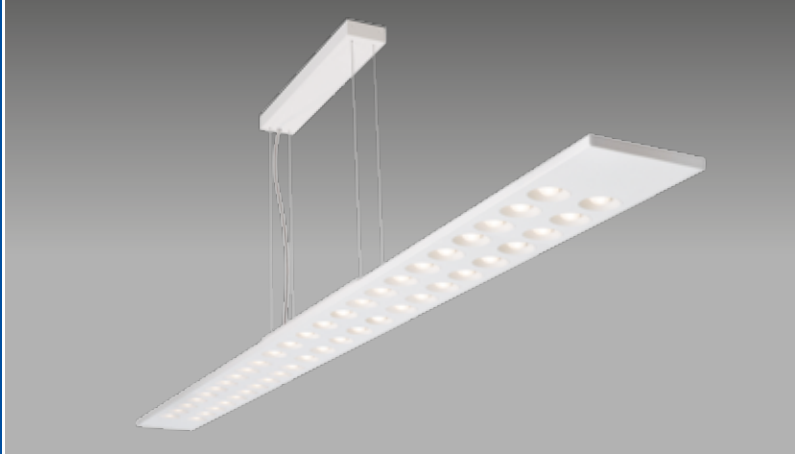
SURFACE MOUNTED LUMINAIRE straight line mounting - linear

| UGR | $L_{av} - \text{limit}$ cd/m ² | # LEDs | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code ¹ | | |  option |
|--|--|-----------|--------------------|--------------------|-----------------|------------|-------------------------|------------------|------------------|---|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | | | |
|  HIGH POWER | | | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 24 | 4000K | 2550 | 1680 x 150 x 50 | 16 | R712R1/LEDN2425S | R714R1/LEDN2425S | R716R1/LEDN2425S | - |
| | | | 3000K | 3000 | 1680 x 150 x 50 | 16 | R712R1/LEDW2425S | R714R1/LEDW2425S | R716R1/LEDW2425S | - |
| | | | 3000K | 2550 | 1680 x 150 x 50 | 16 | R712R1/LEDW2430S | R714R1/LEDW2430S | R716R1/LEDW2430S | - |
| | | | 4000K | 3050 | 1680 x 150 x 50 | 16 | R712R1/LEDN2430S | R714R1/LEDN2430S | R716R1/LEDN2430S | - |
| LED+LENS™ - wide-angle distribution | | | | | | | | | | |
|  HIGH POWER | | | | | | | | | | |
| ≤ 19 | ≤ 1500 (65°) | 24 | 3000K | 2550 | 1680 x 150 x 50 | 16 | R722R1/LEDW2425S | R724R1/LEDW2425S | R726R1/LEDW2425S | - |
| | | | 3000K | 3000 | 1680 x 150 x 50 | 16 | R722R1/LEDW2430S | R724R1/LEDW2430S | R726R1/LEDW2430S | - |
| | | | 4000K | 2550 | 1680 x 150 x 50 | 16 | R722R1/LEDN2425S | R724R1/LEDN2425S | R726R1/LEDN2425S | - |
| | | | 4000K | 3050 | 1680 x 150 x 50 | 16 | R722R1/LEDN2430S | R724R1/LEDN2430S | R726R1/LEDN2430S | - |
| | | 36 | 3000K | 3550 | 1680 x 150 x 50 | 16 | R722R1/LEDW3635S | R724R1/LEDW3635S | R726R1/LEDW3635S | - |
| | | | 3000K | 4550 | 1680 x 150 x 50 | 16 | R722R1/LEDW3645S | R724R1/LEDW3645S | R726R1/LEDW3645S | - |
| | | | 4000K | 3600 | 1680 x 150 x 50 | 16 | R722R1/LEDN3635S | R724R1/LEDN3635S | R726R1/LEDN3635S | - |
| | | | 4000K | 4550 | 1680 x 150 x 50 | 16 | R722R1/LEDN3645S | R724R1/LEDN3645S | R726R1/LEDN3645S | - |
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | | | |
|  HIGH POWER | | | | | | | | | | |
| ≤ 19 | ≤ 1500 (65°) | 36 | 3000K | 3649 | 1680 x 150 x 50 | 16 | R732R1/LEDW3635S | R734R1/LEDW3635S | R736R1/LEDW3635S | - |
| | | | 4000K | 3499 | 1680 x 150 x 50 | 16 | R732R1/LEDN3635S | R734R1/LEDN3635S | R736R1/LEDN3635S | - |
| | ≤ 3000 (65°) | 24 | 3000K | 2599 | 1680 x 150 x 50 | 16 | R732R1/LEDW2425S | R734R1/LEDW2425S | R736R1/LEDW2425S | - |
| | | | 3000K | 2949 | 1680 x 150 x 50 | 16 | R732R1/LEDW2430S | R734R1/LEDW2430S | R736R1/LEDW2430S | - |
| | | | 4000K | 2599 | 1680 x 150 x 50 | 16 | R732R1/LEDN2425S | R734R1/LEDN2425S | R736R1/LEDN2425S | - |
| | | | 4000K | 3049 | 1680 x 150 x 50 | 16 | R732R1/LEDN2430S | R734R1/LEDN2430S | R736R1/LEDN2430S | - |
| | | 36 | 3000K | 4449 | 1680 x 150 x 50 | 16 | R732R1/LEDW3645S | R734R1/LEDW3645S | R736R1/LEDW3645S | - |
| | | | 4000K | 4549 | 1680 x 150 x 50 | 16 | R732R1/LEDN3645S | R734R1/LEDN3645S | R736R1/LEDN3645S | - |
| LED+LENS™ - asymmetric distribution | | | | | | | | | | |
|  HIGH POWER | | | | | | | | | | |
| - | - | 36 | 3000K | 3550 | 1680 x 150 x 50 | 16 | R752R1/LEDW3635S | R754R1/LEDW3635S | R756R1/LEDW3635S | - |
| | | | 3000K | 4550 | 1680 x 150 x 50 | 16 | R752R1/LEDW3645S | R754R1/LEDW3645S | R756R1/LEDW3645S | - |
| | | | 4000K | 3600 | 1680 x 150 x 50 | 16 | R752R1/LEDN3635S | R754R1/LEDN3635S | R756R1/LEDN3635S | - |
| | | | 4000K | 4550 | 1680 x 150 x 50 | 16 | R752R1/LEDN3645S | R754R1/LEDN3645S | R756R1/LEDN3645S | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium








SURFACE MOUNTED AND SUSPENDED LUMINAIRES



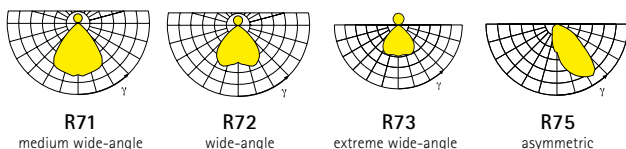
R7 suspension - webref. SR7003A3

R7

SUSPENDED LUMINAIRE individual - linear

| UGR | L_{av} - limit cd/m ² | # LED | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code ¹ |  option |
|--|---------------------------------------|----------|--------------------|--------------------|-----------------|------------|-------------------------|--|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 18 | 3000K | 2200 | 1500 x 75 x 50 | 17 | R711R1/LEDW1820S | - |
| | | | 4000K | 2300 | 1500 x 75 x 50 | 17 | R711R1/LEDN1820S | - |
| | | 24+10 | 3000K | 3550 | 1500 x 150 x 50 | 17 | R711R1/LEDW2435S | - |
| | | | 3000K | 4200 | 1500 x 150 x 50 | 17 | R711R1/LEDW2445S | - |
| | | | 4000K | 3550 | 1500 x 150 x 50 | 17 | R711R1/LEDN2435S | - |
| | | | 4000K | 4500 | 1500 x 150 x 50 | 17 | R711R1/LEDN2445S | - |
| | | 36+20 | 3000K | 5099 | 1500 x 150 x 50 | 17 | R711R1/LEDW3650S | - |
| | | | 4000K | 5199 | 1500 x 150 x 50 | 17 | R711R1/LEDN3650S | - |
| LED+LENS™ - wide-angle distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1500 (65°) | 24+10 | 3000K | 3550 | 1500 x 150 x 50 | 17 | R721R1/LEDW2435S | - |
| | | | 3000K | 4200 | 1500 x 150 x 50 | 17 | R721R1/LEDW2445S | - |
| | | | 4000K | 3550 | 1500 x 150 x 50 | 17 | R721R1/LEDN2435S | - |
| | | | 4000K | 4500 | 1500 x 150 x 50 | 17 | R721R1/LEDN2445S | - |
| | | 36+20 | 3000K | 5100 | 1500 x 150 x 50 | 17 | R721R1/LEDW3650S | - |
| | | | 4000K | 5200 | 1500 x 150 x 50 | 17 | R721R1/LEDN3650S | - |
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1500 (65°) | 36+20 | 3000K | 4999 | 1500 x 150 x 50 | 17 | R731R1/LEDW3650S | - |
| | | | 4000K | 5149 | 1500 x 150 x 50 | 17 | R731R1/LEDN3650S | - |
| | ≤ 3000 (65°) | 24+10 | 3000K | 3650 | 1500 x 150 x 50 | 17 | R731R1/LEDW2435S | - |
| | | | 4000K | 3650 | 1500 x 150 x 50 | 17 | R731R1/LEDN2435S | - |
| ≤ 19 | ≤ 3000 (65°) | 24+10 | 3000K | 4150 | 1500 x 150 x 50 | 17 | R731R1/LEDW2445S | - |
| | | | 4000K | 4450 | 1500 x 150 x 50 | 17 | R731R1/LEDN2445S | - |
| LED+LENS™ - asymmetric distribution | | | | | | | | |
|  HIGH POWER | | | | | | | | |
| - | - | 36+20 | 3000K | 3550 | 1500 x 150 x 50 | 17 | R751R1/LEDW3635SX1 | - |
| | | | 3000K | 4550 | 1500 x 150 x 50 | 17 | R751R1/LEDW3645SX1 | - |
| | | | 4000K | 3600 | 1500 x 150 x 50 | 17 | R751R1/LEDN3635SX1 | - |
| | | | 4000K | 4550 | 1500 x 150 x 50 | 17 | R751R1/LEDN3645SX1 | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium




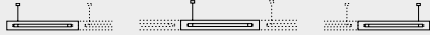








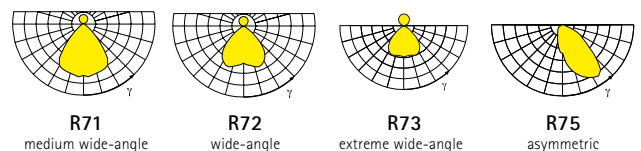
R7 suspension in line - webref. SR7003A4

R7

SUSPENDED LUMINAIRE straight line mounting - linear

| UGR | L _{av} - limit cd/m ² | # LEDs | lamp type T _k | lumen luminaire | L x W x H mm | plan N. | order code ¹ | option |
|---|--|-----------|---|--------------------|-----------------|--|--|--------|
| LED+LENS™ - medium wide-angle distribution | | | | | | | | |
| | | |  | | |  | | |
| HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1000 (65°) | 24+10 | 3000K | 3550 | 1680 x 150 x 50 | 18 | R713R1/LEDW2435S R715R1/LEDW2435S R717R1/LEDW2435S | - |
| | | | 3000K | 4200 | 1680 x 150 x 50 | 18 | R713R1/LEDW2445S R715R1/LEDW2445S R717R1/LEDW2445S | - |
| | | | 4000K | 3550 | 1680 x 150 x 50 | 18 | R713R1/LEDN2435S R715R1/LEDN2435S R717R1/LEDN2435S | - |
| | | | 4000K | 4500 | 1680 x 150 x 50 | 18 | R713R1/LEDN2445S R715R1/LEDN2445S R717R1/LEDN2445S | - |
| 36+20 | | | 3000K | 5099 | 1680 x 150 x 50 | 18 | R713R1/LEDW3650S R715R1/LEDW3650S R717R1/LEDW3650S | - |
| | | | 4000K | 5199 | 1680 x 150 x 50 | 18 | R713R1/LEDN3650S R715R1/LEDN3650S R717R1/LEDN3650S | - |
| LED+LENS™ - wide-angle distribution | | | | | | | | |
| | | |  | | |  | | |
| HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1500 (65°) | 24+10 | 3000K | 3550 | 1680 x 150 x 50 | 18 | R723R1/LEDW2435S R725R1/LEDW2435S R727R1/LEDW2435S | - |
| | | | 3000K | 4200 | 1680 x 150 x 50 | 18 | R723R1/LEDW2445S R725R1/LEDW2445S R727R1/LEDW2445S | - |
| | | | 4000K | 3550 | 1680 x 150 x 50 | 18 | R723R1/LEDN2435S R725R1/LEDN2435S R727R1/LEDN2435S | - |
| | | | 4000K | 4500 | 1680 x 150 x 50 | 18 | R723R1/LEDN2445S R725R1/LEDN2445S R727R1/LEDN2445S | - |
| 36+20 | | | 3000K | 5100 | 1680 x 150 x 50 | 18 | R723R1/LEDW3650S R725R1/LEDW3650S R727R1/LEDW3650S | - |
| | | | 4000K | 5200 | 1680 x 150 x 50 | 18 | R723R1/LEDN3650S R725R1/LEDN3650S R727R1/LEDN3650S | - |
| LED+LENS™ - extreme wide-angle distribution | | | | | | | | |
| | | |  | | |  | | |
| HIGH POWER | | | | | | | | |
| ≤ 16 | ≤ 1500 (65°) | 36+20 | 3000K | 4999 | 1680 x 150 x 50 | 18 | R733R1/LEDW3650S R735R1/LEDW3650S R737R1/LEDW3650S | - |
| | | | 4000K | 5149 | 1680 x 150 x 50 | 18 | R733R1/LEDN3650S R735R1/LEDN3650S R737R1/LEDN3650S | - |
| | ≤ 3000 (65°) | 24+10 | 3000K | 3650 | 1680 x 150 x 50 | 18 | R733R1/LEDW2435S R735R1/LEDW2435S R737R1/LEDW2435S | - |
| | | | 4000K | 3650 | 1680 x 150 x 50 | 18 | R733R1/LEDN2435S R735R1/LEDN2435S R737R1/LEDN2435S | - |
| | | | 3000K | 4150 | 1680 x 150 x 50 | 18 | R733R1/LEDW2445S R735R1/LEDW2445S R737R1/LEDW2445S | - |
| | | | 4000K | 4450 | 1680 x 150 x 50 | 18 | R733R1/LEDN2445S R735R1/LEDN2445S R737R1/LEDN2445S | - |
| LED+LENS™ - asymmetric distribution | | | | | | | | |
| | | |  | | |  | | |
| HIGH POWER | | | | | | | | |
| - | - | 36+20 | 3000K | 3550 | 1680 x 150 x 50 | 18 | R753R1/LEDW3635S R755R1/LEDW3635S R757R1/LEDW3635S | - |
| | | | 3000K | 4550 | 1680 x 150 x 50 | 18 | R753R1/LEDW3645S R755R1/LEDW3645S R757R1/LEDW3645S | - |
| | | | 4000K | 3600 | 1680 x 150 x 50 | 18 | R753R1/LEDN3635S R755R1/LEDN3635S R757R1/LEDN3635S | - |
| | | | 4000K | 4550 | 1680 x 150 x 50 | 18 | R753R1/LEDN3645S R755R1/LEDN3645S R757R1/LEDN3645S | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium



SURFACE MOUNTED AND
SUSPENDED LUMINAIRES



Tabellerklaring p xxx

webref. SR7004J8













R7 upright - webref. SR7003B4

R7

Options and accessories

Suspension sets: 2 steel wires per mounting point

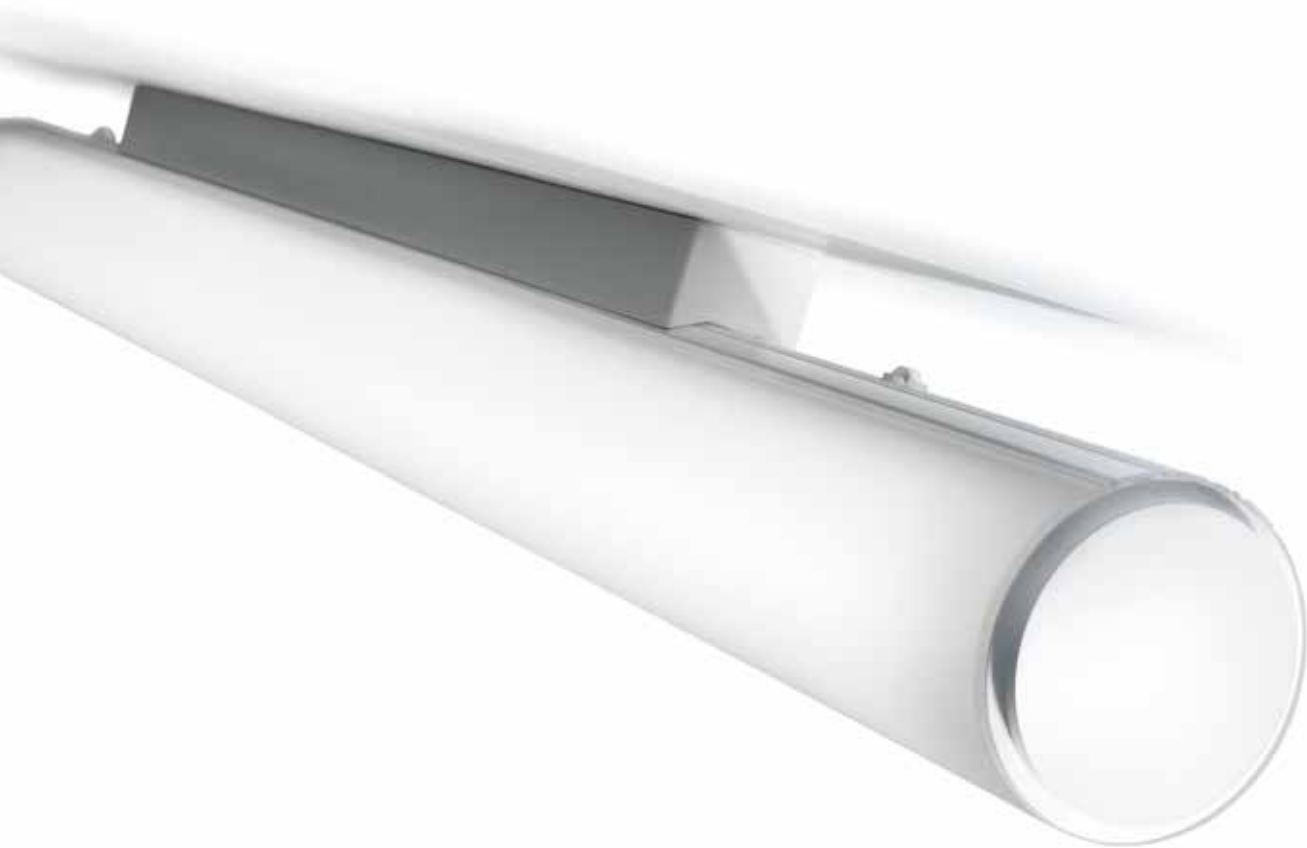
| Individual luminaires 1 set contains all accessories for 2 suspension points | | |  3 common power supply |  5 external dimming |
|--|-------------------------|---|--|---|
|  minimalist mounting | | | R7H11/100-3 | R7H11/100-5 |
|  ceiling cap | RAL9003-white | | R7H12/100-3X1 | R7H12/100-5X1 |
| | RAL9006-white aluminium | | R7H12/100-3X2 | R7H12/100-5X2 |
|  suspension set for ceiling cap (of R711R/LED1820S) | RAL9003-white | | R7H13/100-3X1 | R7H13/100-5X1 |
| | RAL9006-white aluminium | | R7H13/100-3X2 | R7H13/100-5X2 |
| Luminaires for in-line assembly 1 set contains all accessories for 2 suspension points | |  no power supply |  3 common power supply |  5 external dimming |
|  minimalist mounting | | R7H21/100 | R7H21/100-3 | R7H21/100-5 |
|  ceiling cap | RAL9003-white | R7H22/100X1 | R7H22/100-3X1 | R7H22/100-5X1 |
| | RAL9006-white aluminium | R7H22/100X2 | R7H22/100-3X2 | R7H22/100-5X2 |



R8

SURFACE MOUNTED AND SUSPENDED LUMINAIRES WITH DIFFUSER

UPDATE



Housing

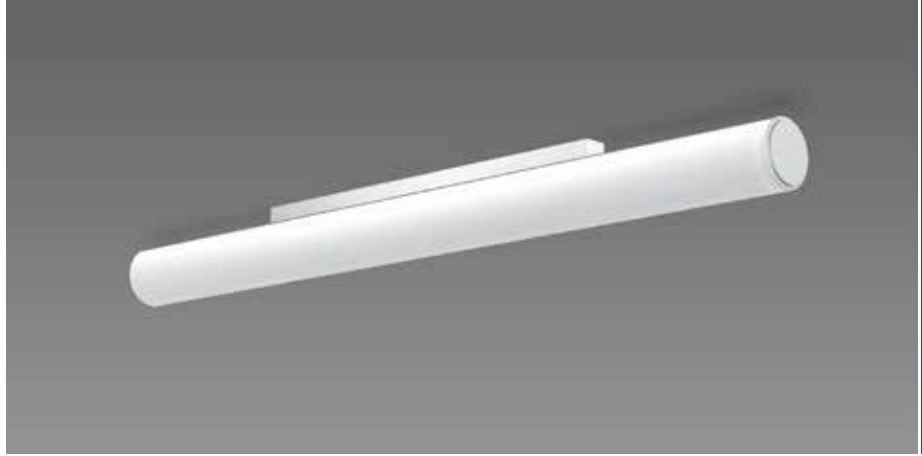
Aluminium profile: RAL9003-white

Optic

Diffuse lamp shielding: HaloOptics® for high efficiency

The R8 LED order codes below replace the codes in the catalogue 2015 - 2016 p 82





Dimensional sketches → p 89



R8 - webref. SR8011A1





R8

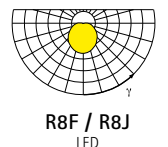
SURFACE MOUNTED LUMINAIRE individual

| UGR | lamp type T _k | lumen luminaire | L x Ø x H mm | plan N. | order code white |  option |
|---|--|--------------------|-----------------|------------|---|---|
| Diffuser - polycarbonate / HaloOptics® | | | | | | |
|  |  LOW POWER | | | |  | |
| ≤ 22 | 3000K | 1450 | 630 x 90 x 130 | 19 | R8J10/LEDW15S | - |
| | 4000K | 1450 | 630 x 90 x 130 | 19 | R8J10/LEDN15S | - |
| | 3000K | 2700 | 1230 x 90 x 130 | 19 | R8J20/LEDW30S | - |
| | 4000K | 2800 | 1230 x 90 x 130 | 19 | R8J20/LEDN30S | - |
| | 3000K | 3350 | 1530 x 90 x 130 | 19 | R8J30/LEDW35S | - |
| | 4000K | 3400 | 1530 x 90 x 130 | 19 | R8J30/LEDN35S | - |
| ≤ 25 | 3000K | 2700 | 630 x 90 x 130 | 19 | R8J10/LEDW30S | - |
| | 4000K | 2800 | 630 x 90 x 130 | 19 | R8J10/LEDN30S | - |
| | 3000K | 5350 | 1230 x 90 x 130 | 19 | R8J20/LEDW55S | - |
| | 4000K | 5400 | 1230 x 90 x 130 | 19 | R8J20/LEDN55S | - |
| | 3000K | 6700 | 1530 x 90 x 130 | 19 | R8J30/LEDW65S | - |
| | 4000K | 6750 | 1530 x 90 x 130 | 19 | R8J30/LEDN65S | - |

SUSPENDED LUMINAIRE individual

suspension set included as standard (max. 1 m)

| UGR | lamp type T _k | lumen luminaire | L x Ø x H mm | plan N. | order code white |  option |
|---|--|--------------------|-----------------|------------|---|---|
| Diffuser - polycarbonate / HaloOptics® | | | | | | |
|  |  LOW POWER | | | |  | |
| ≤ 22 | 3000K | 2700 | 1230 x 90 x 90 | 20 | R8J21/LEDW30S | - |
| | 4000K | 2800 | 1230 x 90 x 90 | 20 | R8J21/LEDN30S | - |
| | 3000K | 3350 | 1530 x 90 x 90 | 20 | R8J31/LEDW35S | - |
| | 4000K | 3400 | 1530 x 90 x 90 | 20 | R8J31/LEDN35S | - |
| ≤ 25 | 3000K | 5350 | 1230 x 90 x 90 | 20 | R8J21/LEDW55S | - |
| | 4000K | 5400 | 1230 x 90 x 90 | 20 | R8J21/LEDN55S | - |
| | 3000K | 6700 | 1530 x 90 x 90 | 20 | R8J31/LEDW65S | - |
| | 4000K | 6750 | 1530 x 90 x 90 | 20 | R8J31/LEDN65S | - |





D4

DOWNLIGHTS

WITH LED+LENS™

UPDATE



Housing Housing of injection moulded aluminium
Housing in RAL9003-white, LED module in RAL9005-black
Wieland connection

Optic LED+LENS™ - wide-angle

The D4 order codes below replace the codes in the catalogue 2015 - 2016 p 129
Design: EER Architectural design, Belgium

Dimensional sketches → p 89

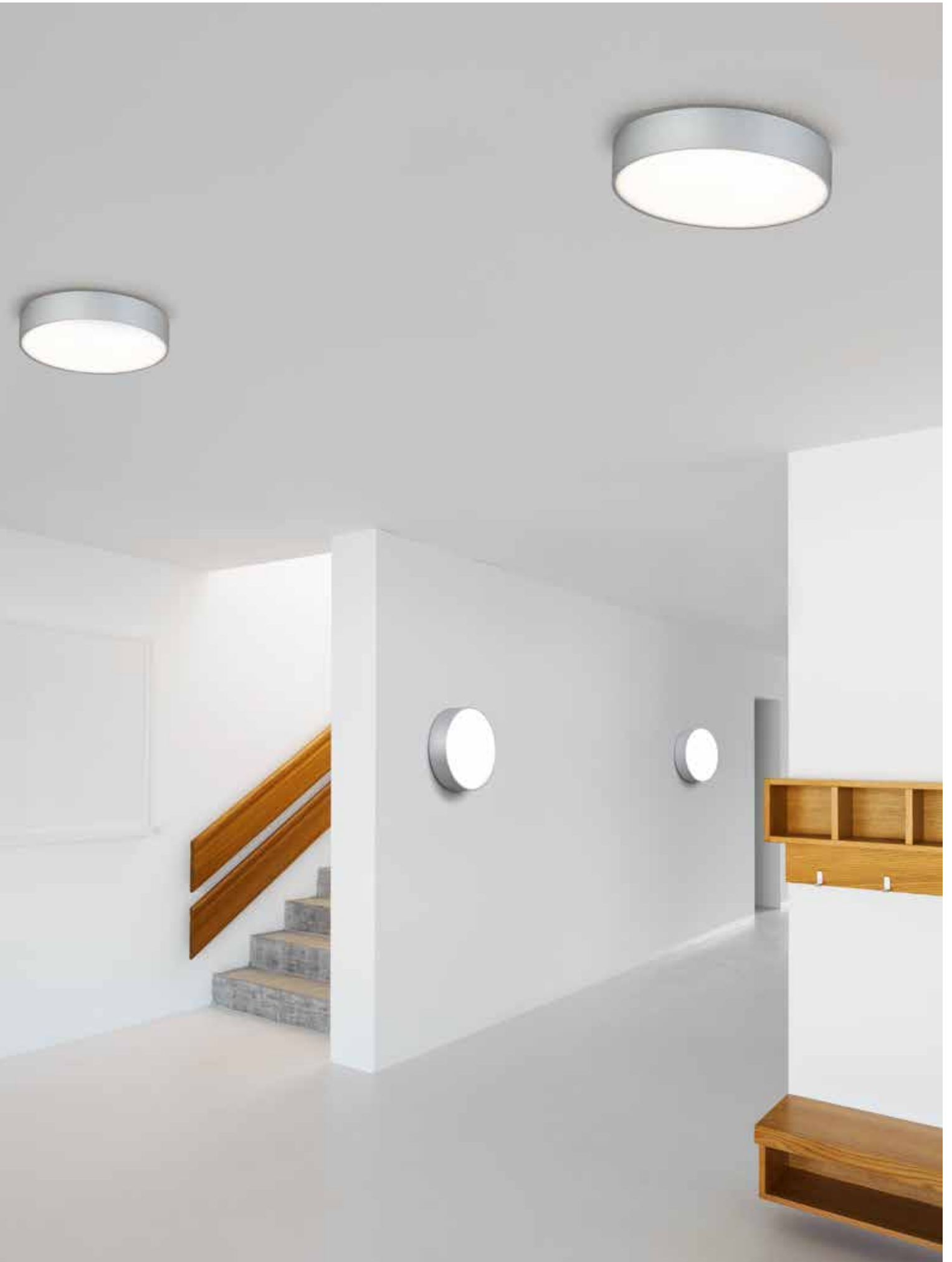
| UGR | L _{av} - limit cd/m ² | lamp type T _c | lumen luminaire | Ø x H mm | plan N. | order code | option |
|------------------------|--|-----------------------------|--------------------|-------------|------------|-----------------|--------|
| LED+LENS™ - wide-angle | | | | | | | |
| ≤ 19 | ≤ 3000 (65°) | HIGH POWER | | | | | |
| | | 3000K | 2200 | 250 x 74 | 22 | D42R1/LEDW3525S | - |
| | | 3000K | 1250 | 200 x 74 | 21 | D42R1/LEDW1815S | - |
| | | 4000K | 1350 | 200 x 74 | 21 | D42R1/LEDN1815S | - |
| ≤ 22 | ≤ 3000 (65°) | 4000K | 2400 | 250 x 74 | 22 | D42R1/LEDN3525S | - |
| | | 4000K | 4100 | 250 x 74 | 22 | D42R1/LEDN3540S | - |
| | | 3000K | 1950 | 200 x 74 | 21 | D42R1/LEDW1820S | - |
| | | 3000K | 3800 | 250 x 74 | 22 | D42R1/LEDW3540S | - |
| | | 4000K | 2100 | 200 x 74 | 21 | D42R1/LEDN1820S | - |

Options and accessories

| | |
|---|--------------|
| reinforcing ring for soft ceilings (for Ø 200 mm) | D4H1010-180 |
| reinforcing ring for soft ceilings (for Ø 250 mm) | D4H1010-230 |
| IP44 version (compliant from below) | consult ETAP |
| housing and LED module in RAL9005-black, RAL9003-white, RAL9006-white aluminium | consult ETAP |



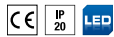
D42



W1

WALL LUMINAIRES WITH DIFFUSER

NEW



Housing

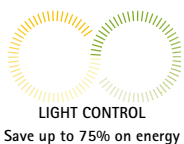
Housing in satin-anodised aluminium
For ceiling and wall mounting

Optic

Diffuser - HaloOptics® for high efficiency

Dimensional sketches → p89

| UGR | lamp type T _c | lumen luminaire | Ø x H mm | plan N. | order code | option |
|--------------------------|-----------------------------|--------------------|-------------|------------|---------------|--------|
| Diffuser - polycarbonate | | | | | | |
| | MEDIUM POWER | | | | | |
| ≤ 22 | 4000K | 1398 | 380 x 95 | 23 | W1J10/LEDN15D | • |
| | 3000K | 1348 | 380 x 95 | 23 | W1J10/LEDW15D | • |
| ≤ 25 | 4000K | 1997 | 380 x 95 | 23 | W1J10/LEDN20D | • |
| | 3000K | 1897 | 380 x 95 | 23 | W1J10/LEDW20D | • |
| ≤ 22 | 4000K | 3995 | 600 x 95 | 24 | W1J20/LEDN40D | • |
| | 3000K | 3795 | 600 x 95 | 24 | W1J20/LEDW40D | • |





E4

LIGHT LINE SYSTEM
WITH DUAL•LENS

NEW



Housing

Housing in lacquered aluminium (RAL9016) with linear lens
End pieces in polycarbonate

Optic

DUAL•LENS

Dimensional sketches → p 90



LIGHT CONTROL
Save up to 75% on energy



E4 - webref. SE4100A3

E4

LIGHT LINE SYSTEM WITH DUAL•LENS

LUMINAIRES FOR INDIVIDUAL AND IN-LINE MOUNTING

The E4 series combines medium-power LEDs with ETAP's DUAL•LENS technology. The series offers an efficient solution for the lighting of production halls and warehouses, workstations and store shelves. The well thought-out optics with linear lens have a dual function: minimising glare and emitting light in a controlled matter.

The installation of E4 luminaires takes place in three easy steps. Fix the brackets on the ceiling. Only two suspension points are required for each individual luminaire. For line systems, one suspension point per module is sufficient, plus one at the end of each line. The luminaires are snapped into the brackets without screws or tools. Thanks to the side access the luminaires can be quickly connected. The LEDs are furthermore safety-shielded to prevent touching. In line systems the modules are linked and end caps are installed.

FLEXIBLE

E4 luminaires are available with four different lumen packages, depending on your specific lighting needs: 2000, 3000, 4000 or 6000 lumen per metre. The modules for 2000 and 3000 lumen ($UGR \leq 22$) are built with intervals, the modules for 4000 and 6000 lumen ($UGR \leq 25$) create straight lines. Upon request low luminous flux (2000 and 3000 lumen) is also available as continuous light lines. ($UGR \leq 22$).

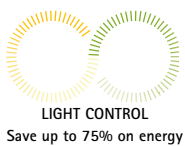




E4, ease of installation - webref. SE4100B2

E4

The E4 is available with a regular ELS daylight sensor, specific daylight sensors for great heights or EMD combined motion and daylight sensor. The luminaires can also be fitted with an LED module for emergency lighting.











E4 individual - webref. SE4100A1

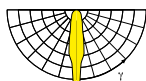
E40 NARROW-ANGLE DISTRIBUTION

INDIVIDUAL

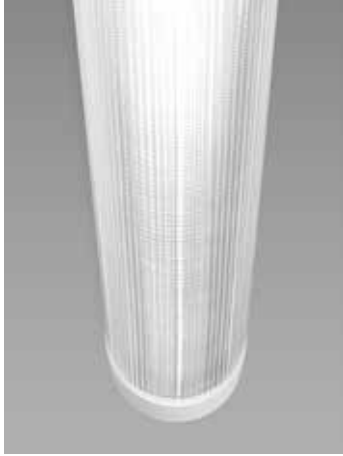
| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|---------------------------------------|---------------------------------------|--|--------------------|-----------------|------------|---|--|
| DUAL•LENS - narrow-angle distribution | | | | | | | |
| | |  HIGH POWER | | | |  | |
| ≤ 25 | - | 3000K | 5412 | 1060 x 60 x 135 | 25 | E4010/LED1W060S | - |
| | | 4000K | 5412 | 1060 x 60 x 135 | 25 | E4010/LED1N060S | - |
| | | 3000K | 10774 | 2060 x 60 x 135 | 25 | E4010/LED2W120S | - |
| | | 4000K | 10774 | 2060 x 60 x 135 | 25 | E4010/LED2N120S | - |

STRAIGHT LINE MOUNTING

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|---------------------------------------|---------------------------------------|--|--------------------|-----------------|------------|---|--|
| DUAL•LENS - narrow-angle distribution | | | | | | | |
| | |  HIGH POWER | | | |  | |
| ≤ 22 | - | 3000K | 2054 | 1000 x 60 x 135 | 26 | E4001/LED1W020S | - |
| | | 4000K | 2054 | 1000 x 60 x 135 | 26 | E4001/LED1N020S | - |
| | | 3000K | 2756 | 1000 x 60 x 135 | 26 | E4001/LED1W030S | - |
| | | 4000K | 2756 | 1000 x 60 x 135 | 26 | E4001/LED1N030S | - |
| | | 3000K | 4109 | 2000 x 60 x 135 | 26 | E4001/LED2W040S | - |
| | | 4000K | 4109 | 2000 x 60 x 135 | 26 | E4001/LED2N040S | - |
| | | 3000K | 5462 | 2000 x 60 x 135 | 26 | E4001/LED2W060S | - |
| | | 4000K | 5462 | 2000 x 60 x 135 | 26 | E4001/LED2N060S | - |
| | | 3000K | 8218 | 4000 x 60 x 135 | 26 | E4001/LED4W080S | - |
| | | 4000K | 8218 | 4000 x 60 x 135 | 26 | E4001/LED4N080S | - |
| | | 3000K | 10924 | 4000 x 60 x 135 | 26 | E4001/LED4W120S | - |
| | | 4000K | 10924 | 4000 x 60 x 135 | 26 | E4001/LED4N120S | - |
| ≤ 25 | - | 3000K | 4059 | 1000 x 60 x 135 | 26 | E4011/LED1W040S | - |
| | | 4000K | 4059 | 1000 x 60 x 135 | 26 | E4011/LED1N040S | - |
| | | 3000K | 5412 | 1000 x 60 x 135 | 26 | E4011/LED1W060S | - |
| | | 4000K | 5412 | 1000 x 60 x 135 | 26 | E4011/LED1N060S | - |
| | | 3000K | 8168 | 2000 x 60 x 135 | 26 | E4011/LED2W080S | - |
| | | 3000K | 8168 | 4000 x 60 x 135 | 26 | E4015/LED4W080S | - |
| | | 4000K | 8168 | 2000 x 60 x 135 | 26 | E4011/LED2N080S | - |
| | | 4000K | 8168 | 4000 x 60 x 135 | 26 | E4015/LED4N080S | - |
| | | 3000K | 10774 | 2000 x 60 x 135 | 26 | E4011/LED2W120S | - |
| | | 3000K | 10774 | 4000 x 60 x 135 | 26 | E4015/LED4W120S | - |
| | | 4000K | 10774 | 2000 x 60 x 135 | 26 | E4011/LED2N120S | - |
| | | 4000K | 10774 | 4000 x 60 x 135 | 26 | E4015/LED4N120S | - |
| | | 3000K | 16286 | 4000 x 60 x 135 | 26 | E4011/LED4W160S | - |
| | | 4000K | 16286 | 4000 x 60 x 135 | 26 | E4011/LED4N160S | - |
| | | 3000K | 21598 | 4000 x 60 x 135 | 26 | E4011/LED4W240S | - |
| | | 4000K | 21598 | 4000 x 60 x 135 | 26 | E4011/LED4N240S | - |



E40



E4 - webref. SE7005A2



E4 straight line mounting - Webréf. SE7008A3

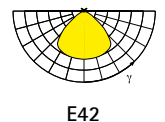
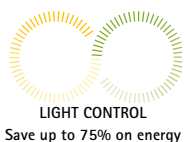
WIDE-ANGLE DISTRIBUTION E42

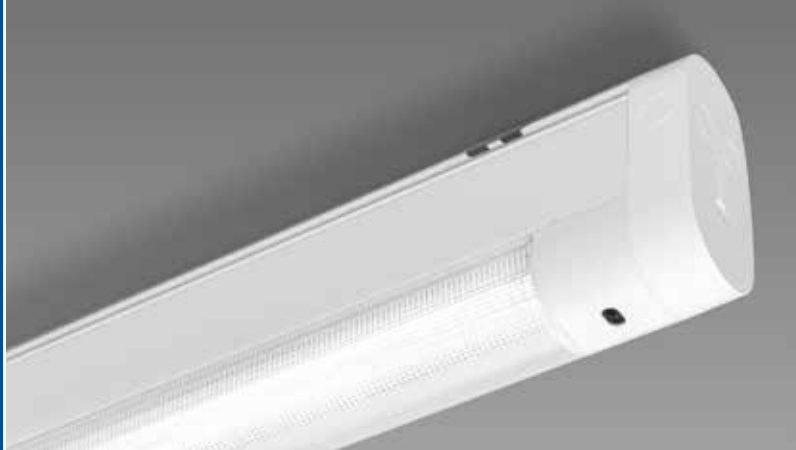
INDIVIDUAL

| UGR | $L_{av.}$ - limit cd/m ² | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code | option |
|-------------------------------------|--|--------------------|--------------------|-----------------|------------|-----------------|--------|
| DUAL•LENS - wide-angle distribution | | | | | | | |
| | | HIGH POWER | | | | | |
| ≤ 25 | - | 3000K | 5697 | 1060 x 60 x 135 | 25 | E4210/LED1W060S | - |
| | | 4000K | 5697 | 1060 x 60 x 135 | 25 | E4210/LED1N060S | - |
| | | 3000K | 11444 | 2060 x 60 x 135 | 25 | E4210/LED2W120S | - |
| | | 4000K | 11444 | 2060 x 60 x 135 | 25 | E4210/LED2N120S | - |

STRAIGHT LINE MOUNTING

| UGR | $L_{av.}$ - limit cd/m ² | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code | option |
|-------------------------------------|--|--------------------|--------------------|-----------------|------------|-----------------|--------|
| DUAL•LENS - wide-angle distribution | | | | | | | |
| | | HIGH POWER | | | | | |
| ≤ 22 | - | 3000K | 2198 | 1000 x 60 x 135 | 26 | E4201/LED1W020S | - |
| | | 4000K | 2198 | 1000 x 60 x 135 | 26 | E4201/LED1N020S | - |
| | | 3000K | 2898 | 1000 x 60 x 135 | 26 | E4201/LED1W030S | - |
| | | 4000K | 2898 | 1000 x 60 x 135 | 26 | E4201/LED1N030S | - |
| | | 3000K | 4347 | 2000 x 60 x 135 | 26 | E4201/LED2W040S | - |
| | | 4000K | 4347 | 2000 x 60 x 135 | 26 | E4201/LED2N040S | - |
| | | 3000K | 5796 | 2000 x 60 x 135 | 26 | E4201/LED2W060S | - |
| | | 4000K | 5796 | 2000 x 60 x 135 | 26 | E4201/LED2N060S | - |
| | | 3000K | 8695 | 4000 x 60 x 135 | 26 | E4201/LED4W080S | - |
| | | 4000K | 8695 | 4000 x 60 x 135 | 26 | E4201/LED4N080S | - |
| | | 3000K | 11593 | 4000 x 60 x 135 | 26 | E4201/LED4W120S | - |
| | | 4000K | 11593 | 4000 x 60 x 135 | 26 | E4201/LED4N120S | - |
| ≤ 25 | - | 3000K | 4297 | 1000 x 60 x 135 | 26 | E4211/LED1W040S | - |
| | | 4000K | 4297 | 1000 x 60 x 135 | 26 | E4211/LED1N040S | - |
| | | 3000K | 5697 | 1000 x 60 x 135 | 26 | E4211/LED1W060S | - |
| | | 4000K | 5697 | 1000 x 60 x 135 | 26 | E4211/LED1N060S | - |
| | | 3000K | 8645 | 2000 x 60 x 135 | 26 | E4211/LED2W080S | - |
| | | 3000K | 8645 | 4000 x 60 x 135 | 26 | E4215/LED4W080S | - |
| | | 4000K | 8645 | 2000 x 60 x 135 | 26 | E4211/LED2N080S | - |
| | | 4000K | 8645 | 4000 x 60 x 135 | 26 | E4215/LED4N080S | - |
| | | 3000K | 11444 | 2000 x 60 x 135 | 26 | E4211/LED2W120S | - |
| | | 3000K | 11444 | 4000 x 60 x 135 | 26 | E4215/LED4W120S | - |
| | | 4000K | 11444 | 2000 x 60 x 135 | 26 | E4211/LED2N120S | - |
| | | 4000K | 11444 | 4000 x 60 x 135 | 26 | E4215/LED4N120S | - |
| | | 3000K | 17291 | 4000 x 60 x 135 | 26 | E4211/LED4W160S | - |
| | | 4000K | 17291 | 4000 x 60 x 135 | 26 | E4211/LED4N160S | - |
| | | 3000K | 22888 | 4000 x 60 x 135 | 26 | E4211/LED4W240S | - |
| | | 4000K | 22888 | 4000 x 60 x 135 | 26 | E4211/LED4N240S | - |











E4 with ELS - webref. SE4100A12

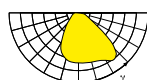
E44 ASYMMETRIC DISTRIBUTION

INDIVIDUAL

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|-------------------------------------|---------------------------------------|--|--------------------|-----------------|------------|---|--|
| DUAL•LENS - asymmetric distribution | | | | | | | |
| - | - |  HIGH POWER | | | |  | |
| - | - | 3000K | 5589 | 1060 x 60 x 135 | 25 | E4410/LED1W060S | - |
| - | - | 4000K | 5589 | 1060 x 60 x 135 | 25 | E4410/LED1N060S | - |
| - | - | 3000K | 11179 | 2060 x 60 x 135 | 25 | E4410/LED2W120S | - |
| - | - | 4000K | 11179 | 2060 x 60 x 135 | 25 | E4410/LED2N120S | - |

STRAIGHT LINE MOUNTING

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|-------------------------------------|---------------------------------------|--|--------------------|-----------------|------------|---|--|
| DUAL•LENS - asymmetric distribution | | | | | | | |
| - | - |  HIGH POWER | | | |  | |
| - | - | 3000K | 2146 | 1000 x 60 x 135 | 26 | E4401/LED1W020S | - |
| - | - | 4000K | 2146 | 1000 x 60 x 135 | 26 | E4401/LED1N020S | - |
| - | - | 3000K | 2844 | 1000 x 60 x 135 | 26 | E4401/LED1W030S | - |
| - | - | 4000K | 2844 | 1000 x 60 x 135 | 26 | E4401/LED1N030S | - |
| - | - | 3000K | 4192 | 1000 x 60 x 135 | 26 | E4411/LED1W040S | - |
| - | - | 3000K | 4242 | 2000 x 60 x 135 | 26 | E4401/LED2W040S | - |
| - | - | 4000K | 4192 | 1000 x 60 x 135 | 26 | E4411/LED1N040S | - |
| - | - | 4000K | 4242 | 2000 x 60 x 135 | 26 | E4401/LED2N040S | - |
| - | - | 3000K | 5589 | 1000 x 60 x 135 | 26 | E4411/LED1W060S | - |
| - | - | 3000K | 5639 | 2000 x 60 x 135 | 26 | E4401/LED2W060S | - |
| - | - | 4000K | 5589 | 1000 x 60 x 135 | 26 | E4411/LED1N060S | - |
| - | - | 4000K | 5639 | 2000 x 60 x 135 | 26 | E4401/LED2N060S | - |
| - | - | 3000K | 8434 | 2000 x 60 x 135 | 26 | E4411/LED2W080S | - |
| - | - | 3000K | 8434 | 4000 x 60 x 135 | 26 | E4415/LED4W080S | - |
| - | - | 3000K | 8484 | 4000 x 60 x 135 | 26 | E4401/LED4W080S | - |
| - | - | 4000K | 8434 | 2000 x 60 x 135 | 26 | E4411/LED2N080S | - |
| - | - | 4000K | 8434 | 4000 x 60 x 135 | 26 | E4415/LED4N080S | - |
| - | - | 4000K | 8484 | 4000 x 60 x 135 | 26 | E4401/LED4N080S | - |
| - | - | 3000K | 11179 | 2000 x 60 x 135 | 26 | E4411/LED2W120S | - |
| - | - | 3000K | 11179 | 4000 x 60 x 135 | 26 | E4415/LED4W120S | - |
| - | - | 3000K | 11279 | 4000 x 60 x 135 | 26 | E4401/LED4W120S | - |
| - | - | 4000K | 11179 | 2000 x 60 x 135 | 26 | E4411/LED2N120S | - |
| - | - | 4000K | 11179 | 4000 x 60 x 135 | 26 | E4415/LED4N120S | - |
| - | - | 4000K | 11279 | 4000 x 60 x 135 | 26 | E4401/LED4N120S | - |
| - | - | 3000K | 16868 | 4000 x 60 x 135 | 26 | E4411/LED4W160S | - |
| - | - | 4000K | 16868 | 4000 x 60 x 135 | 26 | E4411/LED4N160S | - |
| - | - | 3000K | 22308 | 4000 x 60 x 135 | 26 | E4411/LED4W240S | - |
| - | - | 4000K | 22308 | 4000 x 60 x 135 | 26 | E4411/LED4N240S | - |






E44






E4 - webref. SE4105A2

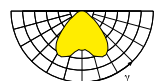
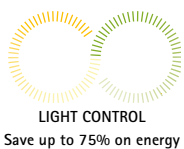
DOUBLE ASYMMETRIC DISTRIBUTION **E46**

INDIVIDUAL

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|--|---------------------------------------|--|--------------------|-----------------|------------|---|--|
| DUAL•LENS - double asymmetric distribution | | | | | | | |
| | |  HIGH POWER | | | |  | |
| ≤ 25 | - | 3000K | 5644 | 1060 x 60 x 135 | 25 | E4610/LED1W060S | - |
| | | 4000K | 5644 | 1060 x 60 x 135 | 25 | E4610/LED1N060S | - |
| | | 3000K | 11289 | 2060 x 60 x 135 | 25 | E4610/LED2W120S | - |
| | | 4000K | 11289 | 2060 x 60 x 135 | 25 | E4610/LED2N120S | - |

STRAIGHT LINE MOUNTING

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|--|---------------------------------------|--|--------------------|-----------------|------------|---|--|
| DUAL•LENS - double asymmetric distribution | | | | | | | |
| | |  HIGH POWER | | | |  | |
| ≤ 22 | - | 3000K | 2148 | 1000 x 60 x 135 | 26 | E4601/LED1W020S | - |
| | | 4000K | 2148 | 1000 x 60 x 135 | 26 | E4601/LED1N020S | - |
| | | 3000K | 2847 | 1000 x 60 x 135 | 26 | E4601/LED1W030S | - |
| | | 4000K | 2847 | 1000 x 60 x 135 | 26 | E4601/LED1N030S | - |
| | | 3000K | 4296 | 2000 x 60 x 135 | 26 | E4601/LED2W040S | - |
| | | 4000K | 4296 | 2000 x 60 x 135 | 26 | E4601/LED2N040S | - |
| | | 3000K | 5744 | 2000 x 60 x 135 | 26 | E4601/LED2W060S | - |
| | | 4000K | 5744 | 2000 x 60 x 135 | 26 | E4601/LED2N060S | - |
| | | 3000K | 8592 | 4000 x 60 x 135 | 26 | E4601/LED4W080S | - |
| | | 4000K | 8592 | 4000 x 60 x 135 | 26 | E4601/LED4N080S | - |
| | | 3000K | 11439 | 4000 x 60 x 135 | 26 | E4601/LED4W120S | - |
| | | 4000K | 11439 | 4000 x 60 x 135 | 26 | E4601/LED4N120S | - |
| ≤ 25 | - | 3000K | 4246 | 1000 x 60 x 135 | 26 | E4611/LED1W040S | - |
| | | 4000K | 4246 | 1000 x 60 x 135 | 26 | E4611/LED1N040S | - |
| | | 3000K | 5644 | 1000 x 60 x 135 | 26 | E4611/LED1W060S | - |
| | | 4000K | 5644 | 1000 x 60 x 135 | 26 | E4611/LED1N060S | - |
| | | 3000K | 8542 | 2000 x 60 x 135 | 26 | E4611/LED2W080S | - |
| | | 3000K | 8542 | 4000 x 60 x 135 | 26 | E4615/LED4W080S | - |
| | | 4000K | 8542 | 2000 x 60 x 135 | 26 | E4611/LED2N080S | - |
| | | 4000K | 8542 | 4000 x 60 x 135 | 26 | E4615/LED4N080S | - |
| | | 3000K | 11289 | 2000 x 60 x 135 | 26 | E4611/LED2W120S | - |
| | | 3000K | 11289 | 4000 x 60 x 135 | 26 | E4615/LED4W120S | - |
| | | 4000K | 11289 | 2000 x 60 x 135 | 26 | E4611/LED2N120S | - |
| | | 4000K | 11289 | 4000 x 60 x 135 | 26 | E4615/LED4N120S | - |
| | | 3000K | 17084 | 4000 x 60 x 135 | 26 | E4611/LED4W160S | - |
| | | 4000K | 17084 | 4000 x 60 x 135 | 26 | E4611/LED4N160S | - |
| | | 3000K | 22579 | 4000 x 60 x 135 | 26 | E4611/LED4W240S | - |
| | | 4000K | 22579 | 4000 x 60 x 135 | 26 | E4611/LED4N240S | - |



E46





E4 - webref. SE4105A3



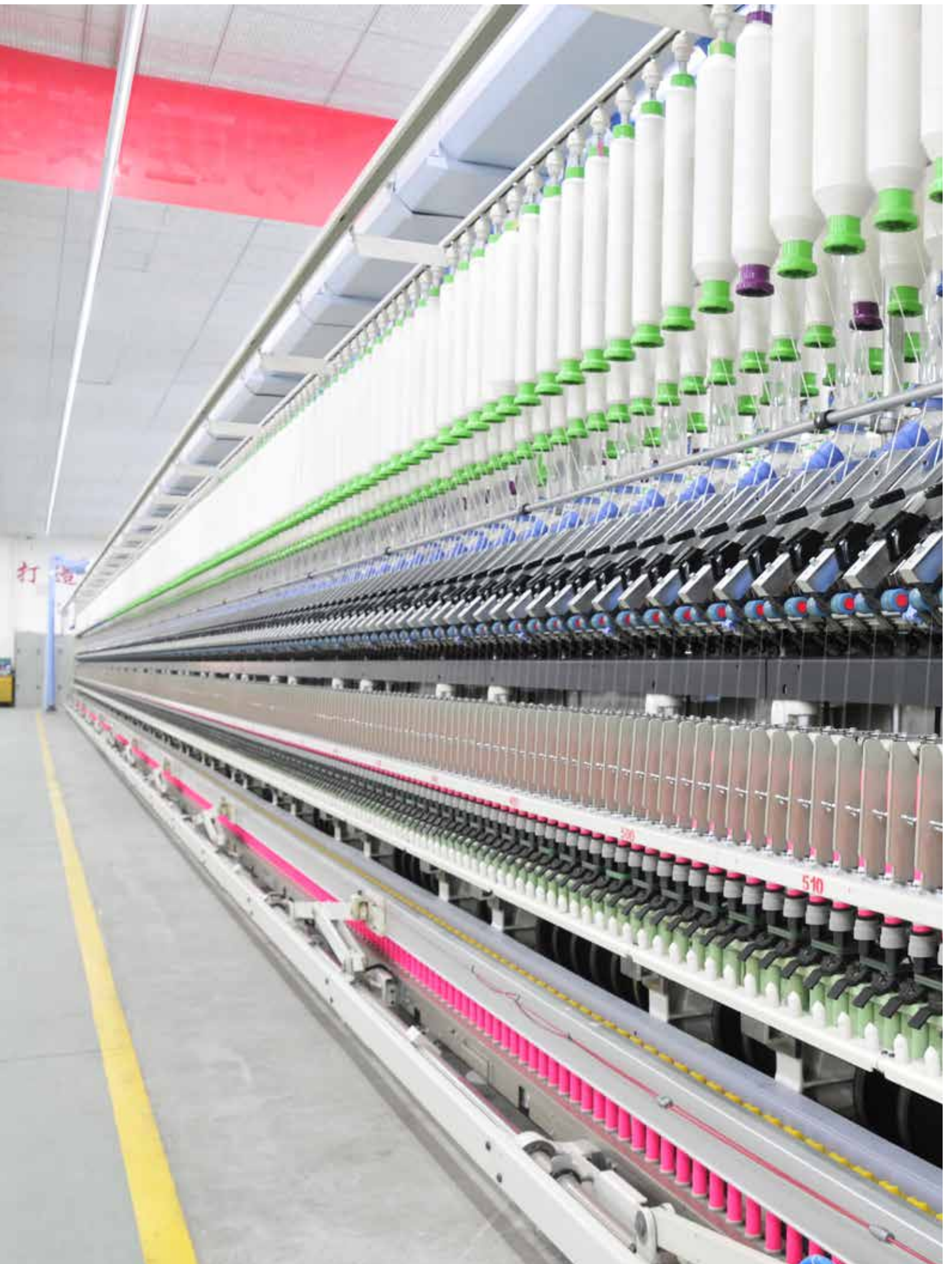
Suspension and accessories

Mounting brackets

individual mounting: 2 single brackets/luminaire

in-line mounting: 2 single brackets (start and end of line) + (number of line segments - 1) double brackets

| | | |
|--|----------------|---------|
| For ceiling mounting | single bracket | E4H111 |
| | double bracket | E4H112 |
| For threaded rod | single bracket | E4H121 |
| | double bracket | E4H122 |
| For chain | single bracket | E4H131 |
| | double bracket | E4H132 |
| For steelwire | single bracket | E4H141 |
| | double bracket | E4H142 |
| In-line accessories | | |
| Line end piece (2 per line), per piece | | E4H1000 |
| Connector (1 per line), 5 or 7 pole, per piece | | E7H301 |



E5 LED

LIGHT LINE SYSTEM WITH DUAL•LENS

NEW



Housing

Housing in lacquered aluminium (RAL9016) with linear lens
Base profile in lacquered sheet steel

Optic

DUAL•LENS

Renovation

Our LED module provides you with a simple, yet efficient solution to switch to LEDs in your existing E3/E5 installation. The principle behind the renovation is simple. You keep the existing E3 or E5 profile and only replace the light bulb and the reflector with an LED module. Therefore, no adjustments have to be made to the ceiling or cabling, which will considerably reduce installation expenses.

The module comes in one unit, thus taking little time to install and ensuring maximum continuity. Lastly, this solution increases ease of maintenance: any potential defective modules can be simply replaced.

| | order code | F(lm) | replaces |
|------------|---------------------|-------|----------|
| E5M | E5M.../LED...030... | 3000 | 1 x 35w |
| | E5M.../LED...040... | 4000 | 1 x 49W |
| | E5M.../LED...060... | 6000 | 2 x 35W |
| | E5M.../LED...080... | 8000 | 2 x 49W |
| | E5M.../LED...090... | 9000 | 2 x 49W |
| E3M | E3M.../LED...040... | 4000 | 1 x 58W |
| | E3M.../LED...050... | 5000 | 1 x 58W |
| | E3M.../LED...080... | 8000 | 2 x 58W |
| | E3M.../LED...090... | 9000 | 2 x 58W |

Dimensional sketches → p 91



E5 LED - webref. SE5020A4

E5LED

LIGHT LINE SYSTEM WITH DUAL•LENS

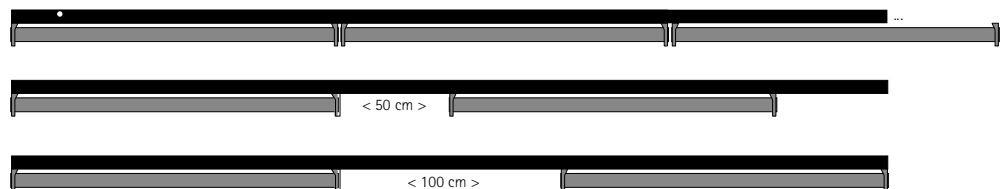
INDUSTRIAL LUMINAIRES FOR IN-LINE MOUNTING

E5 comprises an uninterrupted base unit on which you mount separate LED modules. This system allows you to determine the spacings yourself and thus optimise the lighting level. If you need more light at a later time, you can simply add extra modules. And any defective modules can be easily replaced.

E5 is also equipped with DUAL•LENS technology for minimum glare and controlled light distribution. E5 achieves luminous fluxes up to 6000 lm/m and is suitable for industrial environments such as production or storage areas.

FLEXIBLE

Depending on the spacings you choose - 50 cm or a multiple of this - you achieve up to 6000 lumen per metre. If your lighting requirements change, you can simply add or remove modules.



The E5 LED is available with a regular ELS daylight sensor, specific daylight sensors for great heights or EMD combined motion and daylight sensor. The luminaires can also be fitted with an LED module for emergency lighting.

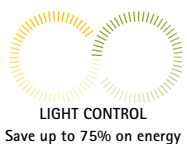


E5 LED, ease of installation - webref. SE5020C3

E5LED

HASSLE-FREE INSTALLATION

Mount the brackets on the ceiling. One point of suspension per segment suffices, plus one at the end of each line. Mount the base profile in the brackets without screws or tools. You connect the modules and click them into the base unit. Any open segments can be filled with a cover plate.









E5 LED - webref. SE5020A2

E5M0 NARROW-ANGLE DISTRIBUTION

STRAIGHT LINE MOUNTING

| UGR | L_{av} - limit cd/m ² | lamp type T _k | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code | option | |
|---------------------------------------|---------------------------------------|--|--------------------|-----------------|---|-----------------|---|---|---|
| DUAL•LENS - narrow-angle distribution | | | | | | | | | |
| | |  HIGH POWER | | |  | |  |  | |
| ≤ 22 | - | 3000K | 3056 | 1518 x 60 x 100 | E5M000/LEDW030S | 1498 x 60 x 100 | E5M001/LEDW030S | E5M002/LEDW030S | - |
| | | 4000K | 3056 | 1518 x 60 x 100 | E5M000/LEDN030S | 1498 x 60 x 100 | E5M001/LEDN030S | E5M002/LEDN030S | - |
| | | 3000K | 4109 | 1518 x 60 x 100 | E5M000/LEDW040S | 1498 x 60 x 100 | E5M001/LEDW040S | E5M002/LEDW040S | - |
| | | 4000K | 4109 | 1518 x 60 x 100 | E5M000/LEDN040S | 1498 x 60 x 100 | E5M001/LEDN040S | E5M002/LEDN040S | - |
| ≤ 25 | - | 3000K | 6063 | 1518 x 60 x 100 | E5M010/LEDW060S | 1498 x 60 x 100 | E5M011/LEDW060S | E5M012/LEDW060S | - |
| | | 4000K | 6063 | 1518 x 60 x 100 | E5M010/LEDN060S | 1498 x 60 x 100 | E5M011/LEDN060S | E5M012/LEDN060S | - |
| | | 3000K | 8017 | 1518 x 60 x 100 | E5M010/LEDW080S | 1498 x 60 x 100 | E5M011/LEDW080S | E5M012/LEDW080S | - |
| | | 4000K | 8017 | 1518 x 60 x 100 | E5M010/LEDN080S | 1498 x 60 x 100 | E5M011/LEDN080S | E5M012/LEDN080S | - |
| | | 3000K | 8719 | 1518 x 60 x 100 | E5M010/LEDW090S | 1498 x 60 x 100 | E5M011/LEDW090S | E5M012/LEDW090S | - |
| | | 4000K | 8719 | 1518 x 60 x 100 | E5M010/LEDN090S | 1498 x 60 x 100 | E5M011/LEDN090S | E5M012/LEDN090S | - |








E5M0

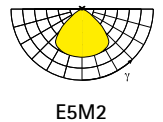
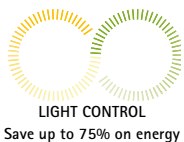


E5 LED - webref. SE5020A1

WIDE-ANGLE DISTRIBUTION E5M2





STRAIGHT LINE MOUNTING

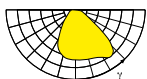
| UGR | L_{av} - limit cd/m ² | lamp type T_c | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code |  | |
|-------------------------------------|---------------------------------------|--|--------------------|-----------------|---|-----------------|---|---|---|
| DUAL•LENS - wide-angle distribution | | | | | | | | | |
| | |  HIGH POWER | | |  | |  |  | |
| ≤ 22 | - | 3000K | 3248 | 1518 x 60 x 100 | E5M200/LEDW030S | 1498 x 60 x 100 | E5M201/LEDW030S | E5M202/LEDW030S | - |
| | | 4000K | 3248 | 1518 x 60 x 100 | E5M200/LEDN030S | 1498 x 60 x 100 | E5M201/LEDN030S | E5M202/LEDN030S | - |
| | | 3000K | 4347 | 1518 x 60 x 100 | E5M200/LEDW040S | 1498 x 60 x 100 | E5M201/LEDW040S | E5M202/LEDW040S | - |
| | | 4000K | 4347 | 1518 x 60 x 100 | E5M200/LEDN040S | 1498 x 60 x 100 | E5M201/LEDN040S | E5M202/LEDN040S | - |
| ≤ 25 | - | 3000K | 6446 | 1518 x 60 x 100 | E5M210/LEDW060S | 1498 x 60 x 100 | E5M211/LEDW060S | E5M212/LEDW060S | - |
| | | 4000K | 6446 | 1518 x 60 x 100 | E5M210/LEDN060S | 1498 x 60 x 100 | E5M211/LEDN060S | E5M212/LEDN060S | - |
| | | 3000K | 8495 | 1518 x 60 x 100 | E5M210/LEDW080S | 1498 x 60 x 100 | E5M211/LEDW080S | E5M212/LEDW080S | - |
| | | 4000K | 8495 | 1518 x 60 x 100 | E5M210/LEDN080S | 1498 x 60 x 100 | E5M211/LEDN080S | E5M212/LEDN080S | - |
| | | 3000K | 9245 | 1518 x 60 x 100 | E5M210/LEDW090S | 1498 x 60 x 100 | E5M211/LEDW090S | E5M212/LEDW090S | - |
| | | 4000K | 9245 | 1518 x 60 x 100 | E5M210/LEDN090S | 1498 x 60 x 100 | E5M211/LEDN090S | E5M212/LEDN090S | - |



E5M4 ASYMMETRIC DISTRIBUTION

STRAIGHT LINE MOUNTING

| UGR | L_{av} - limit cd/m ² | lamp type T _c | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code | option | |
|-------------------------------------|---------------------------------------|--|--------------------|-----------------|---|-----------------|---|---|---|
| DUAL•LENS - asymmetric distribution | | | | | | | | | |
| | |  HIGH POWER | | |  | |  |  | |
| - | - | 3000K | 3194 | 1518 x 60 x 100 | E5M400/LEDW030S | 1498 x 60 x 100 | E5M401/LEDW030S | E5M402/LEDW030S | - |
| | | 4000K | 3194 | 1518 x 60 x 100 | E5M400/LEDN030S | 1498 x 60 x 100 | E5M401/LEDN030S | E5M402/LEDN030S | - |
| | | 3000K | 4242 | 1518 x 60 x 100 | E5M400/LEDW040S | 1498 x 60 x 100 | E5M401/LEDW040S | E5M402/LEDW040S | - |
| | | 4000K | 4242 | 1518 x 60 x 100 | E5M400/LEDN040S | 1498 x 60 x 100 | E5M401/LEDN040S | E5M402/LEDN040S | - |
| | | 3000K | 6288 | 1518 x 60 x 100 | E5M410/LEDW060S | 1498 x 60 x 100 | E5M411/LEDW060S | E5M412/LEDW060S | - |
| | | 4000K | 6288 | 1518 x 60 x 100 | E5M410/LEDN060S | 1498 x 60 x 100 | E5M411/LEDN060S | E5M412/LEDN060S | - |
| | | 3000K | 8284 | 1518 x 60 x 100 | E5M410/LEDW080S | 1498 x 60 x 100 | E5M411/LEDW080S | E5M412/LEDW080S | - |
| | | 4000K | 8284 | 1518 x 60 x 100 | E5M410/LEDN080S | 1498 x 60 x 100 | E5M411/LEDN080S | E5M412/LEDN080S | - |
| | | 3000K | 8983 | 1518 x 60 x 100 | E5M410/LEDW090S | 1498 x 60 x 100 | E5M411/LEDW090S | E5M412/LEDW090S | - |
| | | 4000K | 8983 | 1518 x 60 x 100 | E5M410/LEDN090S | 1498 x 60 x 100 | E5M411/LEDN090S | E5M412/LEDN090S | - |





E5M4

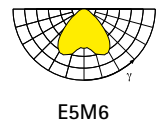
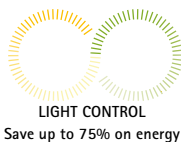


E5 LED - webref. SE5020A5

DOUBLE ASYMMETRIC DISTRIBUTION E5M6

STRAIGHT LINE MOUNTING

| UGR | L_{av} - limit cd/m ² | lamp type T _c | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code |  option | |
|--|---------------------------------------|-----------------------------|--------------------|-----------------|-----------------|-----------------|-----------------|--|---|
| DUAL•LENS - double asymmetric distribution | | | | | | | | | |
|  HIGH POWER | | | | | | | | | |
| ≤ 22 | - | 3000K | 3197 | 1518 x 60 x 100 | E5M600/LEDW030S | 1498 x 60 x 100 | E5M601/LEDW030S | E5M602/LEDW030S | - |
| | | 4000K | 3197 | 1518 x 60 x 100 | E5M600/LEDN030S | 1498 x 60 x 100 | E5M601/LEDN030S | E5M602/LEDN030S | - |
| | | 3000K | 4296 | 1518 x 60 x 100 | E5M600/LEDW040S | 1498 x 60 x 100 | E5M601/LEDW040S | E5M602/LEDW040S | - |
| | | 4000K | 4296 | 1518 x 60 x 100 | E5M600/LEDN040S | 1498 x 60 x 100 | E5M601/LEDN040S | E5M602/LEDN040S | - |
| ≤ 25 | - | 3000K | 6344 | 1518 x 60 x 100 | E5M610/LEDW060S | 1498 x 60 x 100 | E5M611/LEDW060S | E5M612/LEDW060S | - |
| | | 4000K | 6344 | 1518 x 60 x 100 | E5M610/LEDN060S | 1498 x 60 x 100 | E5M611/LEDN060S | E5M612/LEDN060S | - |
| | | 3000K | 8392 | 1518 x 60 x 100 | E5M610/LEDW080S | 1498 x 60 x 100 | E5M611/LEDW080S | E5M612/LEDW080S | - |
| | | 4000K | 8392 | 1518 x 60 x 100 | E5M610/LEDN080S | 1498 x 60 x 100 | E5M611/LEDN080S | E5M612/LEDN080S | - |
| | | 3000K | 9141 | 1518 x 60 x 100 | E5M610/LEDW090S | 1498 x 60 x 100 | E5M611/LEDW090S | E5M612/LEDW090S | - |
| | | 4000K | 9141 | 1518 x 60 x 100 | E5M610/LEDN090S | 1498 x 60 x 100 | E5M611/LEDN090S | E5M612/LEDN090S | - |





Renovation module - webref. SE5020A3

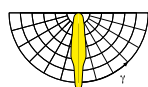
RENOVATION MODULE (FOR E5, CONSULT ORDER CODES ON PREVIOUS PAGES)

STRAIGHT LINE MOUNTING - NARROW-ANGLE DISTRIBUTION

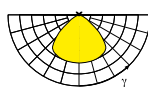
| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code | option | |
|--|---------------------------------------|--------------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|
| For E3 - DUAL•LENS - narrow-angle distribution | | | | | | | | | |
| | | LED HIGH POWER | | | | | | | |
| ≤ 22 | - | 3000K | 4109 | 1568 x 60 x 100 | E3M000/LEDW040S | 1548 x 60 x 100 | E3M001/LEDW040S | E3M002/LEDW040S | - |
| | | 4000K | 4109 | 1568 x 60 x 100 | E3M000/LEDN040S | 1548 x 60 x 100 | E3M001/LEDN040S | E3M002/LEDN040S | - |
| | | 3000K | 4961 | 1568 x 60 x 100 | E3M010/LEDW050S | 1548 x 60 x 100 | E3M011/LEDW050S | E3M012/LEDW050S | - |
| | | 4000K | 4961 | 1568 x 60 x 100 | E3M010/LEDN050S | 1548 x 60 x 100 | E3M011/LEDN050S | E3M012/LEDN050S | - |
| ≤ 25 | - | 3000K | 8017 | 1568 x 60 x 100 | E3M010/LEDW080S | 1548 x 60 x 100 | E3M011/LEDW080S | E3M012/LEDW080S | - |
| | | 4000K | 8017 | 1568 x 60 x 100 | E3M010/LEDN080S | 1548 x 60 x 100 | E3M011/LEDN080S | E3M012/LEDN080S | - |
| | | 3000K | 8719 | 1568 x 60 x 100 | E3M010/LEDW090S | 1548 x 60 x 100 | E3M011/LEDW090S | E3M012/LEDW090S | - |
| | | 4000K | 8719 | 1568 x 60 x 100 | E3M010/LEDN090S | 1548 x 60 x 100 | E3M011/LEDN090S | E3M012/LEDN090S | - |

STRAIGHT LINE MOUNTING - WIDE-ANGLE DISTRIBUTION

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code | option | |
|--|---------------------------------------|--------------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|
| For E3 - DUAL•LENS - wide-angle distribution | | | | | | | | | |
| | | LED HIGH POWER | | | | | | | |
| ≤ 22 | - | 3000K | 4347 | 1568 x 60 x 100 | E3M200/LEDW040S | 1548 x 60 x 100 | E3M201/LEDW040S | E3M202/LEDW040S | - |
| | | 4000K | 4347 | 1568 x 60 x 100 | E3M200/LEDN040S | 1548 x 60 x 100 | E3M201/LEDN040S | E3M202/LEDN040S | - |
| ≤ 25 | - | 3000K | 5297 | 1568 x 60 x 100 | E3M210/LEDW050S | 1548 x 60 x 100 | E3M211/LEDW050S | E3M212/LEDW050S | - |
| | | 4000K | 5297 | 1568 x 60 x 100 | E3M210/LEDN050S | 1548 x 60 x 100 | E3M211/LEDN050S | E3M212/LEDN050S | - |
| | | 3000K | 8495 | 1568 x 60 x 100 | E3M210/LEDW080S | 1548 x 60 x 100 | E3M211/LEDW080S | E3M212/LEDW080S | - |
| | | 4000K | 8495 | 1568 x 60 x 100 | E3M210/LEDN080S | 1548 x 60 x 100 | E3M211/LEDN080S | E3M212/LEDN080S | - |
| | | 3000K | 9245 | 1568 x 60 x 100 | E3M210/LEDW090S | 1548 x 60 x 100 | E3M211/LEDW090S | E3M212/LEDW090S | - |
| | | 4000K | 9245 | 1568 x 60 x 100 | E3M210/LEDN090S | 1548 x 60 x 100 | E3M211/LEDN090S | E3M212/LEDN090S | - |



E3 LED
narrow-angle



E3 LED
wide-angle

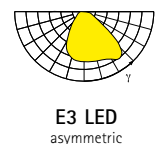
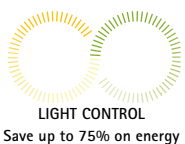


Renovation module - webref. SE5021B3

(FOR E5, CONSULT ORDER CODES ON PREVIOUS PAGES) **RENOVATION MODULE**

STRAIGHT LINE MOUNTING - ASYMMETRIC DISTRIBUTION

| UGR | L _{av} - limit cd/m ² | lamp type T _c | lumen luminaire | L x W x H mm | order code | L x W x H mm | order code | option | |
|--|--|-----------------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|
| For E3 - DUAL•LENS - asymmetric distribution | | | | | | | | | |
| | | HIGH POWER | | | | | | | |
| - | - | 3000K | 4242 | 1568 x 60 x 100 | E3M400/LEDW040S | 1548 x 60 x 100 | E3M401/LEDW040S | E3M402/LEDW040S | - |
| | | 4000K | 4242 | 1568 x 60 x 100 | E3M400/LEDN040S | 1548 x 60 x 100 | E3M401/LEDN040S | E3M402/LEDN040S | - |
| | | 3000K | 5140 | 1568 x 60 x 100 | E3M410/LEDW050S | 1548 x 60 x 100 | E3M411/LEDW050S | E3M412/LEDW050S | - |
| | | 4000K | 5140 | 1568 x 60 x 100 | E3M410/LEDN050S | 1548 x 60 x 100 | E3M411/LEDN050S | E3M412/LEDN050S | - |
| | | 3000K | 8284 | 1568 x 60 x 100 | E3M410/LEDW080S | 1548 x 60 x 100 | E3M411/LEDW080S | E3M412/LEDW080S | - |
| | | 4000K | 8284 | 1568 x 60 x 100 | E3M410/LEDN080S | 1548 x 60 x 100 | E3M411/LEDN080S | E3M412/LEDN080S | - |
| | | 3000K | 8983 | 1568 x 60 x 100 | E3M410/LEDW090S | 1548 x 60 x 100 | E3M411/LEDW090S | E3M412/LEDW090S | - |
| | | 4000K | 8983 | 1568 x 60 x 100 | E3M410/LEDN090S | 1548 x 60 x 100 | E3M411/LEDN090S | E3M412/LEDN090S | - |



E5M

Suspension and accessories (not for renovation modules)

Mounting brackets (2 per individual luminaire or number of line sections + 1)

| | |
|--|--------|
| For ceiling mounting, per piece | E3H120 |
| For threaded rod, (also Telemecanique Canalis KBA), per piece | E3H121 |
| For Telemecanique Canalis KLE, per piece | E3H122 |
| For chain, per piece | E3H123 |
| Roll of chain, per roll of 30 m | E3H124 |
| For steel wire, bracket with quick adjustment system, ceiling attachment and 3 m steel wire, per set | E3H125 |
| For cable channel on top, mounting bracket with accessories, per set | E3H103 |





E5M

Suspension and accessories (not for renovation modules)

Line segments

| | |
|--|-------------------|
| line segment 1500 mm with 5-pole through wiring and phase selector switch | E5C01/LED1500-5-1 |
| line segment 1500 mm with 7-pole through wiring and phase selector switch | E5C01/LED1500-7-1 |
| line segment 3000 mm with 5-pole through wiring and 3x phase selector switch | E5C01/LED3000-5-3 |
| line segment 3000 mm with 7-pole through wiring and 3x phase selector switch | E5C01/LED3000-7-3 |
| line segment 4000 mm with 5-pole through wiring and 4x phase selector switch | E5C01/LED4000-5-4 |
| line segment 4000 mm with 7-pole through wiring and 4x phase selector switch | E5C01/LED4000-7-4 |

Cover profiles

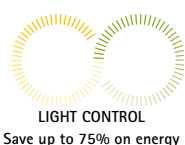
| | |
|-----------------------|------------|
| cover profile 500 mm | E5C11/0500 |
| cover profile 1000 mm | E5C11/1000 |
| cover profile 1500 mm | E5C11/1500 |
| cover profile 2000 mm | E5C11/2000 |
| cover profile 2500 mm | E5C11/2500 |

Sections for emergency lighting

| | |
|--|------------|
| section for emergency lighting 1000 mm | E5C12/1000 |
| section for emergency lighting 1500 mm | E5C12/1500 |
| section for emergency lighting 2000 mm | E5C12/2000 |
| section for emergency lighting 2500 mm | E5C12/2500 |

Other line accessories

| | |
|---|--------|
| Coupling piece (number of sections per line -1), per piece | E3H115 |
| Line end piece (2 per line), per piece | E3H116 |
| Connector (1 per line), 5-pole, per piece | E3H117 |
| Connector (1 per line), 7-pole with dimming (analog or DALI), per piece | E3H117 |
| Connector for 9 pole through wiring with dimming and emergency unit of non-maintained emergency lighting, per piece | E3H118 |
| Connector for 7 pole through wiring with emergency unit or non-maintained emergency lighting, per piece | E3H119 |
| Connector for 8 pole through wiring with emergency lighting, per piece | E3H128 |
| Connector for 10 pole through wiring with dimming (analog or DALI) and emergency lighting, per piece | E3H128 |





E2

WATERPROOF SURFACE MOUNTED LUMINAIRES
WITH DUAL•LENS FOR AGGRESSIVE ENVIRONMENTS

NEW



| | |
|-------------|--|
| Housing | Housing in lacquered aluminium (RAL7035) with linear lens End pieces in fibreglass-reinforced PBT |
| Optics | DUAL•LENS |
| Application | In aggressive environments |

Dimensional sketches → p 93



LIGHT CONTROL
Save up to 75% on energy




HIGH PROTECTION FACTOR LUMINAIRES






E2 - webref. SE21001A4

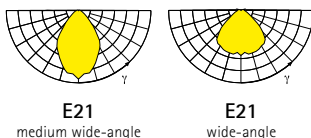
E2

INDIVIDUAL - MEDIUM WIDE-ANGLE

| UGR | L_{av} - limit cd/m ² | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|--|---------------------------------------|--|--------------------|-----------------|------------|---|---|
| DUAL•LENS - medium wide-angle distribution | | | | | | | |
| ≤ 25 | - |  HIGH POWER | | | |  | |
| | | 4000K | 2898 | 620 x 80 x 135 | 30 | E21/LED2N030S | - |
| | | 4000K | 4347 | 870 x 80 x 135 | 30 | E21/LED3N045S | - |
| | | 4000K | 5796 | 1120 x 80 x 135 | 30 | E21/LED4N060S | - |
| | | 4000K | 7245 | 1370 x 80 x 135 | 30 | E21/LED5N075S | - |
| | | 4000K | 8694 | 1620 x 80 x 135 | 30 | E21/LED6N090S | - |

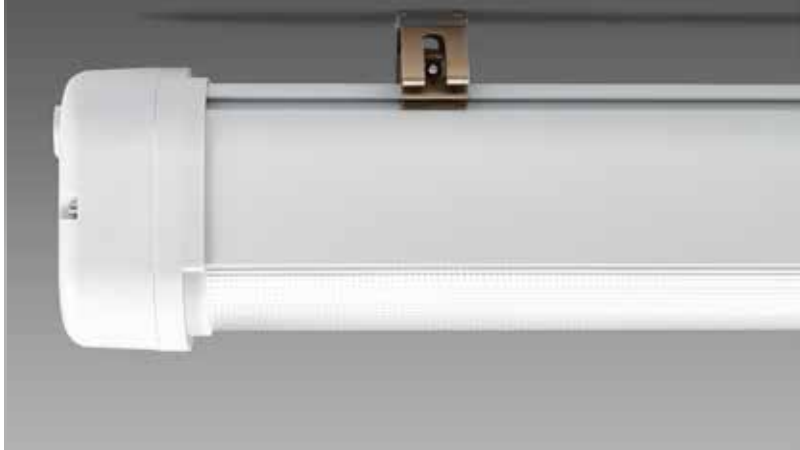
INDIVIDUAL - WIDE-ANGLE

| UGR | L_{av} - limit cd/m ² | lamp type T_c | lumen luminaire | L x W x H mm | plan N. | order code |  option |
|-------------------------------------|---------------------------------------|--|--------------------|-----------------|------------|---|---|
| DUAL•LENS - wide-angle distribution | | | | | | | |
| ≤ 25 | - |  HIGH POWER | | | |  | |
| | | 4000K | 2997 | 620 x 80 x 135 | 30 | E22/LED2N030S | - |
| | | 4000K | 4545 | 870 x 80 x 135 | 30 | E22/LED3N045S | - |
| | | 4000K | 6044 | 1120 x 80 x 135 | 30 | E22/LED4N060S | - |
| | | 4000K | 7542 | 1370 x 80 x 135 | 30 | E22/LED5N075S | - |
| | | 4000K | 9041 | 1620 x 80 x 135 | 30 | E22/LED6N090S | - |



E21
medium wide-angle

E21
wide-angle



E2 - webref. SE21001B3



E2 - webref. SE21001C3



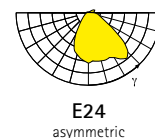
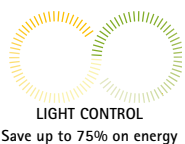
E2

INDIVIDUAL - ASYMMETRIC

| UGR | L_{av} - limit cd/m ² | lamp type T_k | lumen luminaire | L x W x H mm | plan N. | order code | option |
|-------------------------------------|---------------------------------------|--------------------|--------------------|-----------------|------------|---------------|--------|
| DUAL•LENS - asymmetric distribution | | | | | | | |
| | | HIGH POWER | | | | | |
| - | - | 4000K | 2944 | 620 x 80 x 135 | 30 | E24/LED2N030S | - |
| | | 4000K | 4441 | 870 x 80 x 135 | 30 | E24/LED3N045S | - |
| | | 4000K | 5889 | 1120 x 80 x 135 | 30 | E24/LED4N060S | - |
| | | 4000K | 7386 | 1370 x 80 x 135 | 30 | E24/LED5N075S | - |
| | | 4000K | 8833 | 1620 x 80 x 135 | 30 | E24/LED6N090S | - |

Options and accessories

| | |
|--|--------------|
| Driver heavy industry withstands voltage peaks up to 2,4 kV (L/N LN/PE in accordance with EN61547 § 5.7) | consult ETAP |
| Integrated daylight sensor or LED module for emergency lighting | consult ETAP |





K1

EMERGENCY LIGHTING

NEW



| | |
|-------------|---|
| Application | Anti-panic lighting and escape route lighting Lighting with high lumen output Single and double sided illuminated safety signs (ceiling) |
| Material | Base: polycarbonate Lens: polycarbonate |
| Optics | Escape route lighting: lens for distribution along the centre line of the escape route Anti-panic lighting: lens for nearly square light distribution High lumen output lighting: lens for nearly square light distribution Signage: lens for perfect evenly distributed illumination of the pictogram |
| Dimensions | L x B x H in mm: 152 x 152 x 38 mm (excl. pictogram) - Plan N.: 50-51 |
| Signage | Screenprint on clear sign plate Illumination, conforms to EN 1838 Viewing distance: 15 m |

Systems → see catalogue 2015-2016 | Dimensional sketches → p 93 | Distance tables → p 83 | Wiring diagrams → p 83 | Pictograms → p 82



K1R escape route lighting - webref. SK1111A2

K1 LIGHTING

LIGHTING self-contained luminaires

| application | mounting | NM/M | lamp type | lumen emergency | order code | |
|-------------------------------------|----------|-------|-----------|-----------------|-----------------------|----------|
| | | | | | | |
| self test | | | | | | |
| escape route lighting | surface | NM/M* | LED 3W | 280 | K1R112/3 | |
| | recessed | NM/M* | LED 3W | 280 | K1R212/3 ¹ | |
| anti-panic lighting | surface | NM/M* | LED 3W | 300 | K1R122/3 | |
| | recessed | NM/M* | LED 3W | 300 | K1R222/3 ¹ | |
| high lumenoutput | surface | NM/M* | LED 6W | 570 | K1R112/6 | |
| ETAP Safety Manager: self test EST+ | | | | | | |
| escape route lighting | surface | NM/M* | LED 3W | 280 | K1R113/3 | K1R114/3 |
| | recessed | NM/M* | LED 3W | 280 | K1R213/3 ¹ | - |
| anti-panic lighting | surface | NM/M* | LED 3W | 300 | K1R123/3 | K1R124/3 |
| | recessed | NM/M* | LED 3W | 300 | K1R223/3 ¹ | - |
| high lumenoutput | surface | NM/M* | LED 6W | 570 | K1R113/6 | K1R114/6 |

¹ available from April 2016
* NM/M adjustable at installation, see wiring diagrams p 83

LIGHTING centrally supplied luminaires

| application | mounting | emergency supply voltage | lamp type | lumen | order code |
|-------------------------------|----------|--------------------------|-----------|-------|-----------------------------|
| EBS Compact | | | | | emergency |
| escape route lighting | surface | 24V DC | LED 3W | 280 | K1R11/3-24C6 ¹ |
| | recessed | 24V DC | LED 3W | 280 | K1R21/3-24C6 ¹ |
| antipaniekverlichting | surface | 24V DC | LED 3W | 300 | K1R12/3-24C6 ¹ |
| | recessed | 24V DC | LED 3W | 300 | K1R22/3-24C6 ¹ |
| hoge lumenoutput | surface | 24V DC | LED 6W | 570 | K1R11/6-24C6 ¹ |
| other central battery systems | | | | | emergency |
| escape route lighting | surface | 230V AC/DC | LED 3W | 280 | K1R11/3N-230 ² |
| | recessed | 230V AC/DC | LED 3W | 300 | K1R21/3N-230 ^{1 2} |
| anti-panic lighting | surface | 230V AC/DC | LED 3W | 280 | K1R12/3N-230 ² |
| | recessed | 230V AC/DC | LED 3W | 300 | K1R22/3N-230 ^{1 2} |
| high lumenoutput | surface | 230V AC/DC | LED 6W | 280 | K1R11/6N-230 ² |

¹ available from April 2016
² for non-maintained circuits only





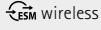


K1 signage - webref. SK1202A4



SIGNAGE K1

SINGLE AND DOUBLE SIDED SIGNAGE self-contained luminaires

| function | mounting | NM/M | lamp type | order code |
|-------------------------------------|----------|-------|-----------|---|
| self test | | | |  |
| single and double sided signage | surface | NM/M* | LED 3W | K1R152/3 |
| ETAP Safety Manager: self test EST+ | | | |   |
| single and double sided signage | surface | NM/M* | LED 3W | K1R153/3 K1R154/3 |

* N/P adjustable at installation, see wiring diagrams p 83

SINGLE AND DOUBLE SIDED SIGNAGE centrally supplied luminaires

| function | mounting | emergency supply voltage | lamp type | lumen | order code |
|---|----------|--------------------------|-----------|-----------|---------------------------|
| central battery systems (excl. EBS Compact) | | | | emergency | |
| single and double sided signage | surface | 230V AC/DC | LED 3W | 180 | K1R15/3N-230 ¹ |

¹ for non-maintained circuits only

Options and accessories

Mounting accessories

| | |
|--|-------|
| mounting frame | K1RH1 |
| right angle wall bracket - for escape route lighting and signage | K1RH2 |
| protective cover - for lighting - protection class IK10 | K1RH3 |

Electronic options for self-contained luminaires

| | |
|---------------------------------------|------------|
| 3h duration | code + S2 |
| remote control standby mode | code + S4 |
| conform to DALI IEC62386-202 Ed. 2009 | code + S11 |

Electronic options for centrally supplied luminaires

| | |
|---------------------|--------------|
| KCADB01, EBS module | code + C1 |
| KCFLEX1, EBS module | code + C2 |
| KCFLEX2, EBS module | consult ETAP |
| KCLU1, EBS module | consult ETAP |

Pictogram

| |
|--------------------------------------|
| pictogram choice: see overview p. 82 |
|--------------------------------------|

K2

WATER, DUST AND IMPACT RESISTANT EMERGENCY LIGHTING AND SIGNAGE

UPDATE



The K2 LED order codes below replace the codes in the catalogue 2015 - 2016 p.210-215

| | |
|-------------|--|
| Application | <p>Anti-panic and escape route lighting for exterior ($t \geq -20^{\circ}\text{C}$) and interior</p> <p>Single sided illuminated emergency signs (wall) for exterior ($t \geq -20^{\circ}\text{C}$) and interior</p> <p>Single and double sided illuminated emergency signs (ceiling) for exterior ($t \geq -20^{\circ}\text{C}$) and interior</p> <p>Non-maintained/maintained: adjustable at installation</p> |
| Material | <p>Housing: impact-resistant polycarbonate</p> <p>Diffuser: impact-resistant polycarbonate</p> |
| Optic | <p>K21: Lens</p> <p>K24: Aluminium specular reflector for an even illumination of the pictogram</p> |
| Dimensions | <p>L x W x H in mm: 359 x 180 x 100</p> <p>K24: L x W x H in mm: 359 x 180 x 225</p> |
| Signage | <p>Foil, viewing distance: 26 m</p> <p>Perfect evenly distributed illumination, conforms to EN 1838</p> <p>LED luminaire standby mode: 500 cd/m² in the white of the pictogram</p> <p>K24: Diffuser to assist with 5 lux on the wall at fire extinguishers and other important places</p> |

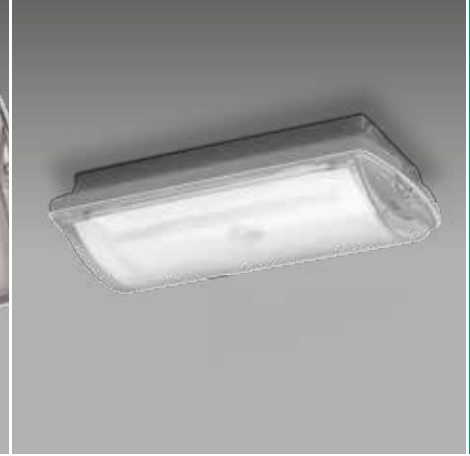
Systems - Options and accessories - Distance tables - Dimensional sketches → see catalogue 2015-2016 | Wiring diagrams → p 83



K2 - webref. SK2017A1



K2 - webref. SK2026C1



K2 - webref. SK2100A1



LIGHTING K2

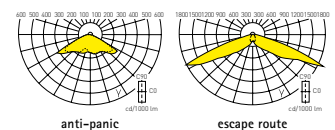
LIGHTING self-contained luminaires

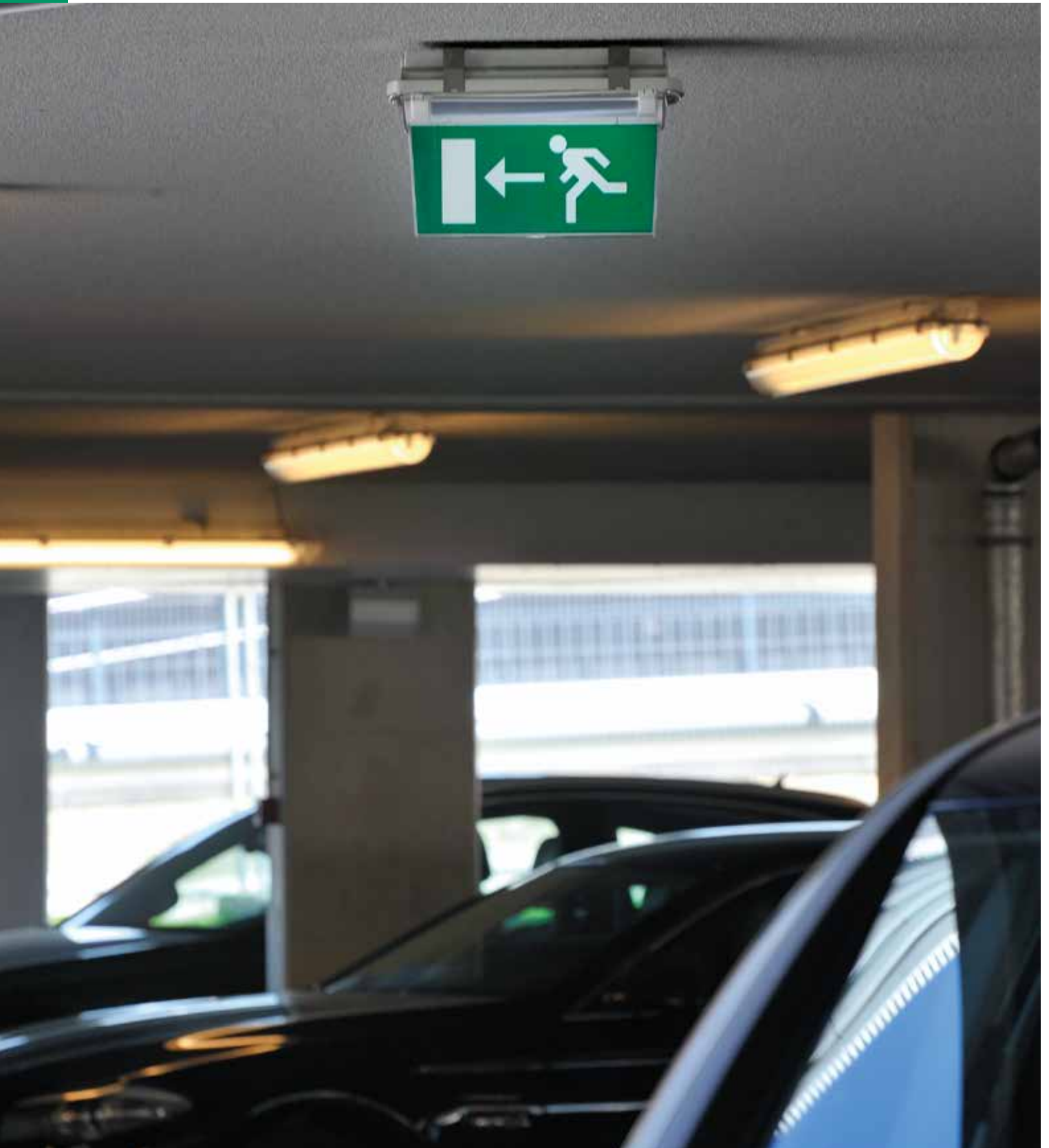
| optics | application | special application | temperature | mounting | NM/M | lamp type | lumen | order code | |
|-------------------------------------|--------------|---------------------|-------------|------------------|-------|-----------|-------|------------|---------|
| self test | | | | | | | | | |
| lens | escape route | - | - | surface/recessed | NM/M* | LED 3W | 165 | K211/3 | K212/3 |
| | exterior use | - | ≥ -20°C | surface/recessed | NM/M* | LED 3W | 165 | K211/30 | K212/30 |
| | anti-panic | - | - | surface/recessed | NM/M* | LED 3W | 172 | K221/3 | K222/3 |
| ETAP Safety Manager: self test EST+ | | | | | | | | | |
| lens | escape route | - | - | surface/recessed | NM/M* | LED 3W | 165 | K213/3 | K214/3 |
| | exterior use | - | ≥ -20°C | surface/recessed | NM/M* | LED 3W | 165 | K213/30 | K214/30 |
| | anti-panic | - | - | surface/recessed | NM/M* | LED 3W | 172 | K223/3 | K224/3 |

* NM/M adjustable at installation, see wiring diagrams p 83

LIGHTING centrally supplied luminaires

| optics | application | special application | temperature | mounting | emergency supply voltage | lamp type | lumen | | order code |
|---|--------------|---------------------|-------------|------------------|--------------------------|-----------|-------|-----|------------|
| central battery systems (excl. EBS Compact) | | | | | | | AC | DC | |
| lens | escape route | - | - | surface/recessed | 230V AC/DC | led 3W | 165 | 165 | K21/3N-230 |
| | anti-panic | - | - | surface/recessed | 230V AC/DC | led 3W | 172 | 172 | K22/3N-230 |







K2 suspension - webref. SK2023A1



K2 ceiling mounting - webref. SK2030B2



SIGNAGE K2

SINGLE SIDED SIGNAGE self-contained luminaires

| function | temperature | mounting | NM/M | lamp type | order code | |
|-------------------------------------|-------------|------------------|-------|-----------|------------|---------|
| self test | | | | | | |
| single sided signage | - | surface/recessed | NM/M* | LED 3W | K231/3 | K232/3 |
| single sided signage exterior use | ≥ -20°C | surface/recessed | NM/M* | LED 3W | K231/30 | K232/30 |
| ETAP Safety Manager: self test EST+ | | | | | | |
| single sided signage | - | surface/recessed | NM/M* | LED 3W | K233/3 | K234/3 |
| single sided signage exterior use | ≥ -20°C | surface/recessed | NM/M* | LED 3W | K233/30 | K234/30 |

* NM/M adjustable at installation, see wiring diagrams p 83

SINGLE SIDED SIGNAGE centrally supplied luminaires

| function | mounting | emergency supply voltage | lamp type | order code |
|---|------------------|--------------------------|-----------|------------|
| central battery systems (excl. EBS Compact) | | | | |
| single sided signage | surface/recessed | 230V AC/DC | LED 3W | K23/3-230 |

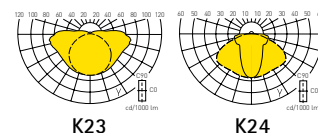
SINGLE AND DOUBLE SIDED SIGNAGE self-contained luminaires

| function | temperature | mounting | NM/M | lamp type | order code | |
|--|-------------|------------------|-------|-----------|------------|---------|
| self test | | | | | | |
| single and double sided signage | - | surface/recessed | NM/M* | LED 3W | K241/3 | K242/3 |
| single and double sided signage exterior use | ≥ -20°C | surface/recessed | NM/M* | LED 3W | K241/30 | K242/30 |
| ETAP Safety Manager: self test EST+ | | | | | | |
| single and double sided signage | - | surface/recessed | NM/M* | LED 3W | K243/3 | K244/3 |
| single and double sided signage exterior use | ≥ -20°C | surface/recessed | NM/M* | LED 3W | K243/30 | K244/30 |

* NM/M adjustable at installation, see wiring diagrams p 83

SINGLE AND DOUBLE SIDED SIGNAGE centrally supplied luminaires

| function | mounting | emergency supply voltage | lamp type | order code |
|---|------------------|--------------------------|-----------|------------|
| central battery systems (excl. EBS Compact) | | | | |
| single and double sided signage | surface/recessed | 230V AC/DC | LED 3W | K24/3-230 |



K23

K24

K9

LIGHTING

UPDATE



The K2 LED order codes below replace the codes in the catalogue 2015 - 2016 p 252-257

| | |
|-------------|---|
| Application | Anti-panic lighting Escape route lighting Single and double sided illuminated safety signs (ceiling) Non-maintained/maintained: adjustable at installation |
| Material | Housing: injection moulded aluminium Structure lacquer in RAL9003-white or RAL9006-white aluminium, or unpainted |
| Optic | Escape route- and stairway lighting - lens for distribution along the centre line of the escape route Anti-panic lighting - lens for nearly square light distribution Signage - lens for perfect evenly distributed illumination of the pictogram |
| Dimensions | L x W x H in mm - square: 152 x 152 x 32 (excl. pictogram) round: Ø 90 x 70 mm |
| Signage | Screenprint on foil, clear sign plate Illumination, conform EN 1838 Viewing distance: 15 m |

Systems - Options and accessories - Distance tables - Pictograms - Dimensional sketches → see catalogue 2015-2016 | Wiring diagrams → p 83



K9 recessed escape route - webref. SK9103A2



K9 - webref. SK9102B1



LIGHTING K9

LIGHTING - SQUARE self-contained luminaires

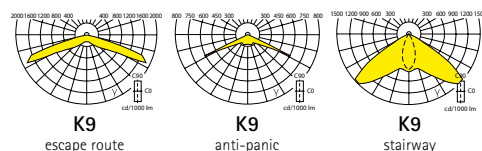
| application | mounting | NM/M | lamp type | lumen nood | order code ¹ |
|-------------------------------------|----------|-------|-----------|---------------|-------------------------|
| self test | | | | | |
| escape route | surface | NM/M* | LED 3W | 201 | K9R112/3 |
| | recessed | NM/M* | LED 3W | 201 | K9R312/3 |
| anti-panic | surface | NM/M* | LED 3W | 209 | K9R122/3 |
| | recessed | NM/M* | LED 3W | 209 | K9R322/3 |
| stairway | surface | NM/M* | LED 3W | 209 | K9R162/3 |
| | recessed | NM/M* | LED 3W | 209 | K9R362/3 |
| ETAP Safety Manager: self test EST+ | | | | | |
| escape route | surface | NM/M* | LED 3W | 201 | K9R113/3 K9R114/3 |
| | recessed | NM/M* | LED 3W | 201 | K9R313/3 - |
| anti-panic | surface | NM/M* | LED 3W | 209 | K9R123/3 K9R124/3 |
| | recessed | NM/M* | LED 3W | 209 | K9R323/3 - |
| stairway | surface | NM/M* | LED 3W | 209 | K9R163/3 K9R164/3 |
| | recessed | NM/M* | LED 3W | 209 | K9R363/3 - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium / code + X5: unpainted luminaire, only for surface mounting
* NM/M adjustable at installation, see wiring diagrams p 83

LIGHTING - SQUARE centrally supplied luminaires

| application | mounting | emergency supply voltage | lamp type | lumen | | order code ¹ |
|---|----------|--------------------------|-----------|-------|-----|-------------------------|
| | | | | AC | DC | |
| central battery systems (excl. EBS Compact) | | | | | | |
| escape route | surface | 230V AC/DC | LED 3W | 201 | 201 | K9R11/3N-230 |
| | recessed | 230V AC/DC | LED 3W | 201 | 201 | K9R31/3N-230 |
| anti-panic | surface | 230V AC/DC | LED 3W | 209 | 209 | K9R12/3N-230 |
| | recessed | 230V AC/DC | LED 3W | 209 | 209 | K9R32/3N-230 |
| stairway | surface | 230V AC/DC | LED 3W | 209 | 209 | K9R16/3N-230 |
| | recessed | 230V AC/DC | LED 3W | 209 | 209 | K9R36/3N-230 |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium / code + X5: unpainted luminaire, only for surface mounting





K9 recessed escape route – webref. SK91015A1

K9 LIGHTING

LIGHTING - ROUND self-contained luminaires

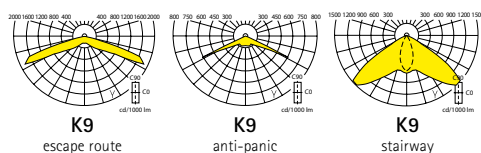
| application | mounting | NM/M | lamp type | lumen | order code ¹ |
|-------------------------------------|----------|-------|-----------|-------|-------------------------|
| self test | | | | | EST+ |
| escape route | recessed | NM/M* | LED 3W | 201 | K9R212/3 |
| anti-panic | recessed | NM/M* | LED 3W | 209 | K9R222/3 |
| stairway | recessed | NM/M* | LED 3W | 209 | K9R262/3 |
| ETAP Safety Manager: self test EST+ | | | | | wired |
| escape route | recessed | NM/M* | LED 3W | 201 | K9R213/3 |
| anti-panic | recessed | NM/M* | LED 3W | 209 | K9R223/3 |
| stairway | recessed | NM/M* | LED 3W | 209 | K9R263/3 |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium
* NM/M adjustable at installation, see wiring diagrams p 83

LIGHTING - ROUND centrally supplied luminaires

| application | mounting | emergency supply voltage | lamp type | lumen | order code ¹ | |
|---|----------|--------------------------|-----------|-------|-------------------------|--------------|
| central battery systems (excl. EBS Compact) | | | | AC | DC | |
| escape route | recessed | 230V AC/DC | LED 3W | 201 | 201 | K9R21/3N-230 |
| anti-panic | recessed | 230V AC/DC | LED 3W | 209 | 209 | K9R22/3N-230 |
| stairway | recessed | 230V AC/DC | LED 3W | 209 | 209 | K9R26/3N-230 |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium





K9 - webref. SK9302A6



K9 recessed - webref. SK9303A3



SIGNAGE K9

SINGLE AND DOUBLE SIDED SIGNAGE self-contained luminaires

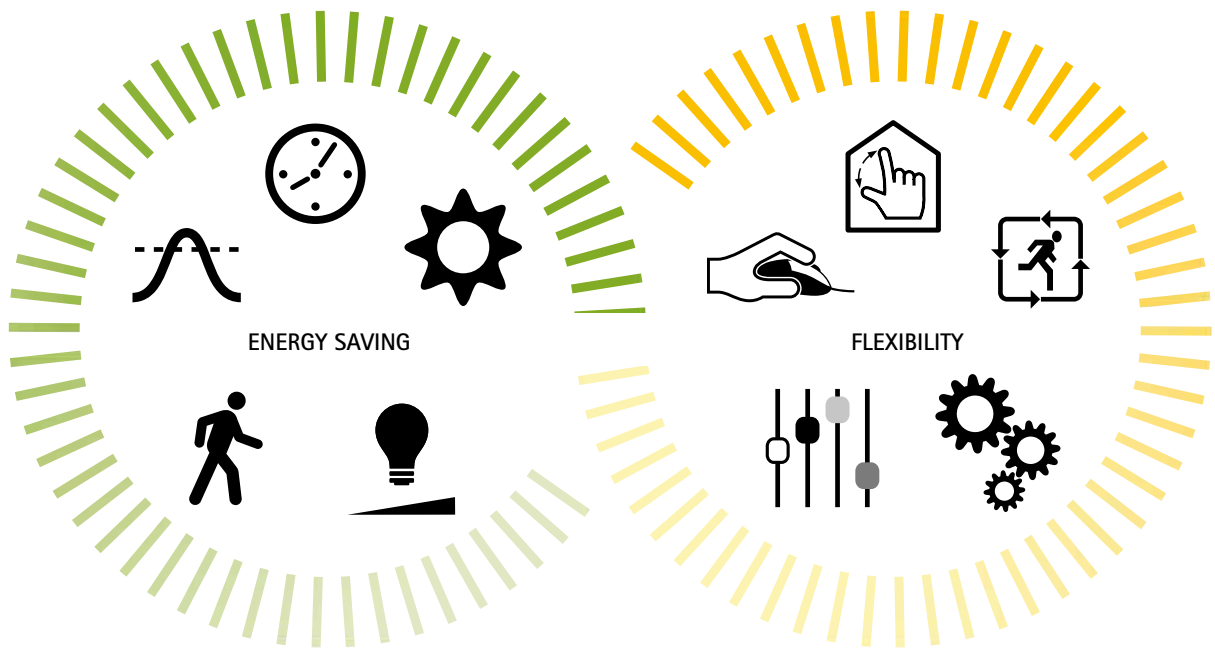
| function | mounting | NM/M | lamp type | order code ¹ | |
|-------------------------------------|----------|-------|-----------|-------------------------|----------|
| self test | | | | | |
| single and double sided signage | surface | NM/M* | LED 3W | K9R152/3 | |
| | recessed | NM/M* | LED 3W | K9R352/3 | |
| ETAP Safety Manager: self test EST+ | | | | | |
| single and double sided signage | surface | NM/M* | LED 3W | K9R153/3P | K9R154/3 |
| | recessed | NM/M* | LED 3W | K9R353/3P | - |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium / code + X5: unpainted luminaire, only for surface mounting
* NM/M adjustable at installation, see wiring diagrams p 83

SINGLE AND DOUBLE SIDED SIGNAGE centrally supplied luminaires

| optics | mounting | emergency supply voltage | lamp type | order code ¹ |
|---|----------|--------------------------|-----------|-------------------------|
| central battery systems (excl. EBS Compact) | | | | |
| single and double sided signage | surface | 230V AC/DC | LED 3W | K9R15/3-230 |
| | recessed | 230V AC/DC | LED 3W | K9R35/3-230 |

¹ code + X1: luminaire in RAL9003-white / code + X2: luminaire in RAL9006-white aluminium / code + X5: unpainted luminaire, only for surface mounting



EXCELLUM2

LIGHT CONTROL FOR BUILDINGS



The Excellum2 light control system allows your lighting installation to perform optimally. You can control individual or groups of luminaires in zones. The system dims and switches the lighting on and off in accordance with preconfigured settings. In addition, it can also manage your emergency lighting. All of Excellum2's intelligence is housed in a discreet and stylish small controller. We always deliver Excellum2 ready for use in your building. You choose which functionalities you need, we supply the relevant software. This makes Excellum2 suitable for all types of projects, from medium-sized spaces to large buildings with several floors.

EASE OF USE AND MANAGEMENT

The system is user-friendly for facility managers: you determine the various illuminances in the various spaces; as well as the various scenarios; time settings, etc. It is easy to manage all parameters on a PC, on an internal network or the Internet. Therefore you do not have to be present in the building to manage your lighting installation. The interface is based on the building's blueprints, so that you can check the status of the luminaires and other components in the various zones at a glance. You do not have to be a computer wizard to adjust the settings. For example, you can assign sensors to a zone with the drag and drop function. Adjustments to calendar control are no more difficult than the management of an Outlook calendar.

A simple interface with a limited number of functionalities will delight users. They can set the desired lighting level on a touchscreen or call up preconfigured scenarios, which can be done on a PC, tablet or smartphone.

ENERGY SAVING

The most energy-efficient lighting is lighting that is switched off. Excellum2 only switches the light on when and where necessary and dims the light or switches it off whenever possible. To do so the system uses five strategies: daylight harvesting, occupancy detection, smart time control, adjustment to task and limitation of peak load. Thanks to a smart combination of these strategies you can save up to 75% energy.

As a matter of fact, Excellum2 will keep you apprised of actual savings at all times: an energy meter in the controller measures actual consumption.

FLEXIBILITY

Excellum2 adjusts the lighting based on your preferences and needs, providing you with the right light at the right time in the right place. Whenever these preferences change, the lighting can be adjusted without major alterations. These five strategies result in your lighting installation being flexible in time and space: integration with other technologies, emergency lighting management, evolving with the building, personal control and scenario-setting.





Excellum2 makes light control easy and intuitive, for managers as well as users.

All of Excellum2's intelligence is housed in a discreet and stylish small controller. We always deliver Excellum2 ready for use in your building. You choose which functionalities you need, we supply the relevant software.

Features Excellum2

OCCUPANCY CONTROL

Occupancy sensors detect motion and communicate it to the controller, which switches on the luminaire or group of luminaires. If no motion is detected, Excellum2 switches off the lighting. For comfort or safety you can also opt to dim the lights instead of switching them off completely. It is also possible to switch on the lighting in the immediate vicinity of the person in attendance and to leave the luminaires dimmed in a wider perimeter, in order to prevent someone having to work at an illuminated desk in an office that is otherwise pitch dark.

DAYLIGHT HARVESTING

Daylight sensors constantly measure the amount of light on the work surface. As more daylight is evident, less artificial light is needed to achieve the desired illuminance. The sensors communicate with the controller, which dims the luminaires to the correct level. Excellum2 allows you to configure the sensors precisely, allowing you to use all of the options. For example, luminaires in windowed areas are dimmed deeper since more daylight is received in these zones. When daylight increases, dimming takes place gradually, thus not inconveniencing users.

INTELLIGENT TIME CONTROL

With the Excellum2 calendar function you can determine the light schedule in a building on a daily and hourly basis. You determine when the lighting has to be switched on/off or dimmed in specific spaces. Public holidays, leave periods or days with longer or shorter working hours: they can all be planned in advance. In this way, no one has to remember to switch off the lights in the evening: Excellum2 does it for you.

PERSONAL CONTROL SOFTWARE

The intuitive mobile interface enables users to adjust the lighting to their needs and preferences. This can be their own workstation, but also conference rooms, communal areas, etc. Users can switch lighting on and off, dim it or call up previously configured scenarios, controlled on PC, tablet or smartphone.



MANAGEMENT SOFTWARE

A 3D graphic interface exists for facility managers, based on the building's blueprints. You can easily navigate through the building and the various spaces to configure and adjust Excellum2 to your preferences. You can address individually or group luminaires and components and assign them to a zone by using the drag and drop function. Here you can also configure and adjust the calendar, define scenarios, etc. If you opt for integration with emergency lighting, the management and reporting of your emergency lighting will also take place through the same software.

Excellum2 also features extensive reporting functions, on energy use, among others, degree of occupancy of the building, potential lamp defects, etc.



Everyone can adjust the lighting to their own preference using a simple interface.

EMERGENCY LIGHTING MANAGEMENT

One of the DALI lines can be used as a bus for ESM (ETAP Safety Manager) per controller. In this way Excellum2 can also centrally manage your emergency lighting. This will allow you to plan and monitor function and duration tests for the emergency lighting. Disruptions or defects are immediately forwarded and you will receive an overview of all replacements and repairs to be carried out. The system also automatically records all incidents and service calls, which enable you to show at all times that your installation satisfies the standards.

BACNET COMMUNICATION

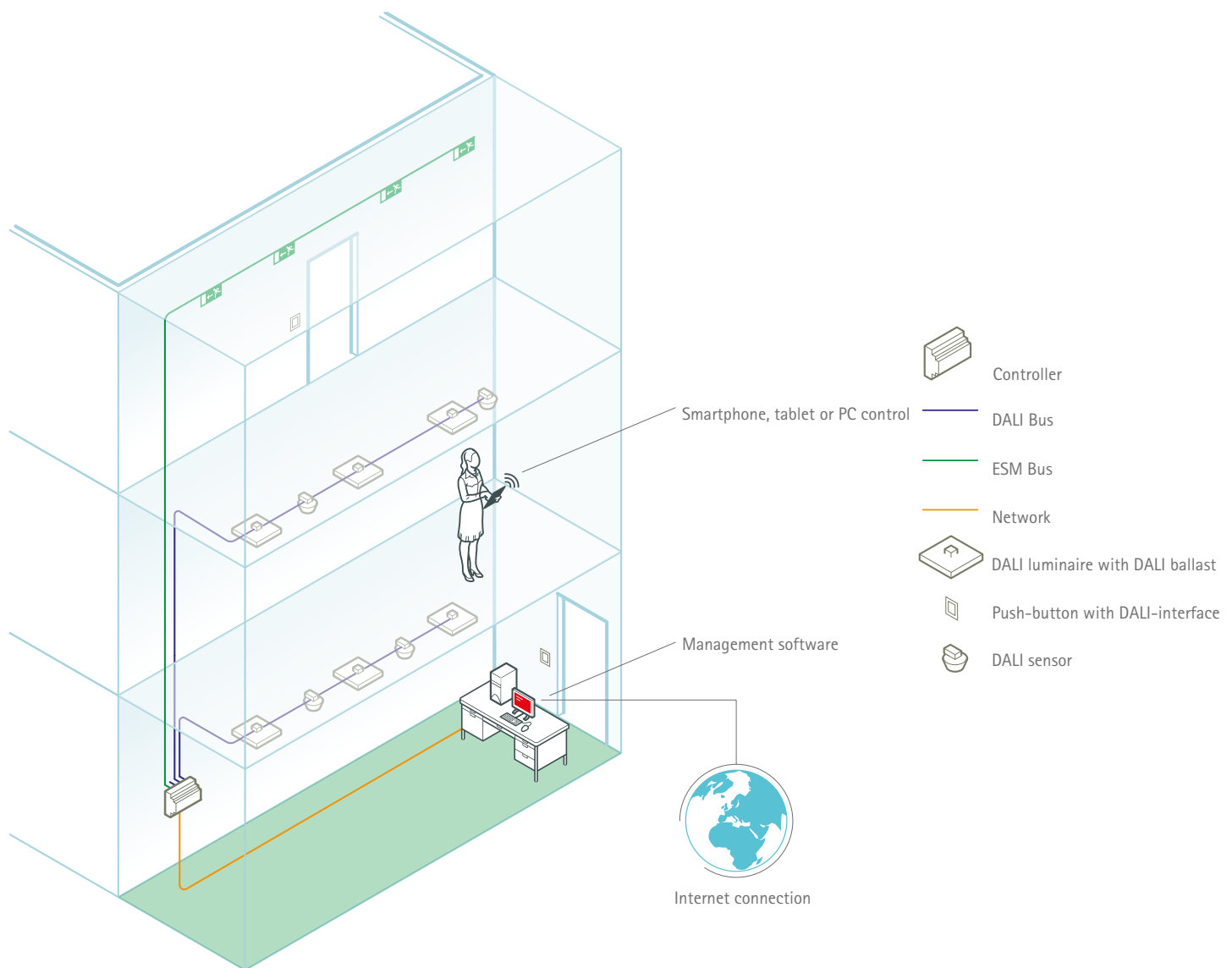
Every controller has two Ethernet connections that allow the controllers to be connected to each other and to add them to the user network so that the system can be controlled and managed. The Ethernet connection can also be used to integrate the system with a BACnet system so that information can be exchanged between the two systems. The BACnet integration is optional.

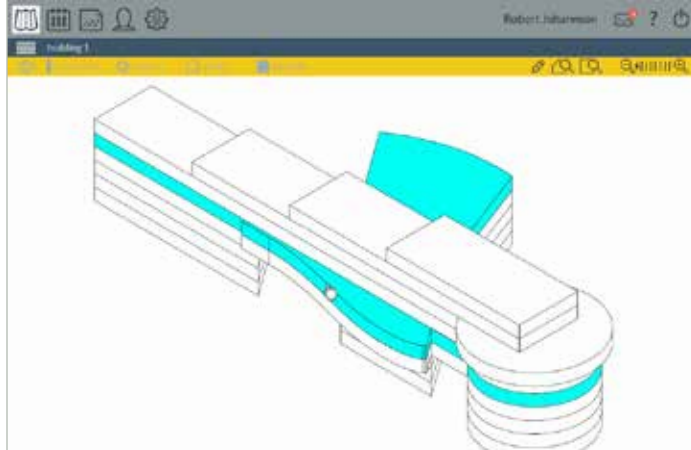
KNX COMMUNICATION

The controller has a KNX connection. This means it can be integrated with a KNX system to allow information to be exchanged between the two systems. The KNX system can temporarily adjust the lighting and Excellum2 can transmit any malfunctions (for example). The KNX integration is optional.

SYSTEM STRUCTURE

ETAP has kept the Excellum2 system architecture as simple as possible. The luminaires and components communicate through a controller. Control and management of the system takes place through an intuitive, user-friendly interface.





The 3D graphic interface is based on the building's blueprints. Using the drag and drop function, luminaires and components can be assigned to a zone.

System components

Excellum2 Controller

The controller is Excellum2's central, intelligent unit. The controller has 4 DALI lines, which can each individually control up to 64 addresses (luminaires, sensors or other components). Each controller therefore manages up to 256 components. One of the DALI lines can be used as a bus for the management of your emergency lighting installation (ESM), allowing you to manage up to 100 emergency luminaires. Up to five controllers can be linked, which makes Excellum2 suitable for large buildings with several floors. For smaller lighting projects (classrooms, conference rooms, etc.), preconfigured controllers are also available.

Excellum2 Controller

C4C00

Possible features

- Occupancy detection
- Daylight linking system
- Intelligent time control
- Personal monitoring software
- Management software
- Emergency lighting management
- BACnet communication
- KNX communication

Inputs

INPUT COMPONENTS

Input components allow sensors and operational elements to be integrated into Excellum2, such as push-buttons, movement detectors, light sensors, etc.

DALI Multisensor - for ceiling mounting

C4R03

DALI Multisensor - for wall mounting

C4R02

DALI Multisensor - for luminaire integration

C4R04

DALI Multisensor - for ceiling integration

C4R05

DALI Push-button Coupler

C4N50







Outputs

OUTPUT COMPONENTS

Output components are connected to the DALI network and switch and/or dim the lighting, which does not have a DALI ballast or driver. These components are recommended in case of renovations to connect existing luminaires to the Excellum DALI network.

| | |
|---|--------------|
| DALI Switch - allows you to switch static luminaires on and off switching via DALI signals | C4N10 |
| DALI Repeater luminaire - for integration in a luminaire - allows you to group up to 64 DALI luminaires on one single DALI address | C4N20 |
| DALI Repeater ceiling - for recessed mounting in the ceiling - allows you to group up to 64 DALI luminaires on one single DALI address | C4N21 |
| DALI Repeater DIN-rail - for Din-rail mounting - allows you to group up to 64 DALI luminaires on one single DALI address | C4N22 |
| DALI Converter luminaire -- for integration in a luminaire - allows you to use analogue dimmable luminaires (1-10V) as DALI luminaires | C4N23 |
| DALI Converter ceiling - for recessed mounting in ceiling - allows you to use analogue dimmable luminaires (1-10V) as DALI luminaires | C4N24 |
| DALI Converter DIN-rail - for recessed mounting in ceiling - allows you to use analogue dimmable luminaires (1-10V) as DALI luminaires | C4N25 |



Accessories









PUSH-BUTTON CONTROL

Thanks to the flexible software you can use push-buttons for manual switching or dimming, but also to select scenes. Versions with 2 or 4 keys offer a push-button for every application. Push-buttons are connected to Push-Button Coupler

| | |
|---|--------------|
| Push-button panel, 2 buttons and text field | C4RP2 |
| Push-button panel, 4 buttons and text field | C4RP4 |

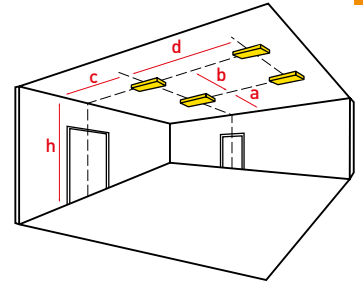
PICTOGRAMS

| K1 | | K2 | | | K9 | |
|-------------------------|--------------|--------------|--------------|--------------|-------------------------|--------------|
| ceiling | | wall | ceiling | | ceiling | |
| viewing distance = 15 m | | foil | foil | | viewing distance = 15 m | |
| single sided | double sided | single sided | single sided | double sided | single sided | double sided |

| | | | | | | | |
|---|-----------|----------|-------|--------|-------|-----------|----------|
|  | K1RHL0ES | K1RHL0S | K2EL0 | K2HL0E | K2HL0 | K9RHLOES | K9RHLO5 |
|  | K1RHL1ES | K1RHL1S | K2EL1 | K2HL1E | K2HL1 | K9RHL1ES | K9RHL1S |
|  | K1RHL2ES | K1RHL1S | K2EL2 | K2HL2E | K2HL1 | K9RHL2ES | K9RHL1S |
|  | K1RHL3ES | K1RHL3S | K2EL3 | K2HL3E | K2HL3 | K9RHL3ES | K9RHL3S |
|  | | | K2EQ0 | | K2HQ0 | | |
|  | | | K2ET0 | | K2HT0 | | |
|  | K1RHZG0ES | K1RHZG0S | K2EZ0 | K2HZ0E | K2HZ0 | K9RHZG0ES | K9RHZG0S |
|  | K1RHZG1ES | K1RHZG1S | K2EZ1 | K2HZ1E | K2HZ1 | K9RHZG1ES | K9RHZG1S |
|  | K1RHZG2ES | K1RHZG1S | K2EZ2 | K2HZ2E | K2HZ1 | K9RHZG2ES | K9RHZG1S |

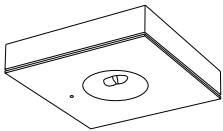
DISTANCE TABLES

CEILING MOUNTED



| h | a | b | c | d | h | a | b | c | d | h | a | b | c | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

K1

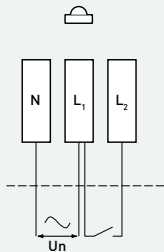


| 1 lux | K1 escape route – 280 lm | | | | | 0,5 lux | K1 anti-panic – 300 lm | | | | | 1 lux | K1 high lumenoutput – 570 lm | | | | |
|-------|--------------------------|-----|------|------|-------|---------|------------------------|-----|------|--------|-----|-------|------------------------------|------|--|--|--|
| 2,8 m | 2,0 | 4,5 | 9,5 | 20,8 | 2,8 m | 5,7 | 12,7 | 5,7 | 12,7 | 5,0 m | 3,2 | 7,0 | 8,3 | 18,3 | | | |
| 3,0 m | 2,1 | 4,7 | 10,0 | 22,0 | 3,0 m | 6,0 | 13,5 | 6,0 | 13,5 | 6,0 m | 3,6 | 8,0 | 9,5 | 20,9 | | | |
| 3,5 m | 2,4 | 5,3 | 11,1 | 24,7 | 3,5 m | 6,5 | 15,5 | 6,5 | 15,5 | 7,0 m | 3,9 | 8,9 | 10,6 | 23,3 | | | |
| 4,0 m | 2,7 | 5,9 | 12,1 | 27,3 | 4,0 m | 7,0 | 17,3 | 6,9 | 17,3 | 8,0 m | 4,2 | 9,8 | 11,8 | 25,7 | | | |
| 5,0 m | 3,0 | 7,0 | 13,7 | 31,7 | 5,0 m | 6,4 | 20,1 | 6,4 | 20,1 | 10,0 m | 4,6 | 11,2 | 13,7 | 30,5 | | | |
| | | | | | | | | | | 12,0 m | 4,8 | 12,1 | 15,3 | 34,9 | | | |
| | | | | | | | | | | 14,0 m | 4,8 | 12,9 | 16,4 | 38,7 | | | |
| | | | | | | | | | | 16,0 m | 4,5 | 13,5 | 16,4 | 42,1 | | | |
| | | | | | | | | | | 18,0 m | 3,5 | 13,7 | 14,1 | 44,8 | | | |
| | | | | | | | | | | 20,0 m | 2,5 | 13,4 | 3,6 | 39,6 | | | |

WIRING DIAGRAMS

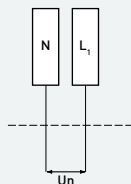
CONNECTION OF SELF-CONTAINED LUMINAIRES

K1 – K2 – K9 (lighting)



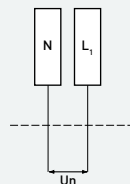
* function of the lamp in standby state, remote switching

K9 (signage)

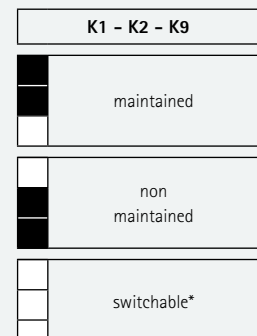


CONNECTION CENTRALLY SUPPLIED LUMINAIRES

K2 – K9



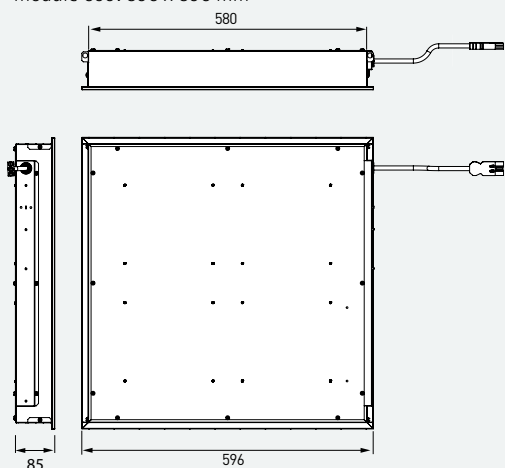
SET UP OF NON-MAINTAINED OR MAINTAINED OPERATION



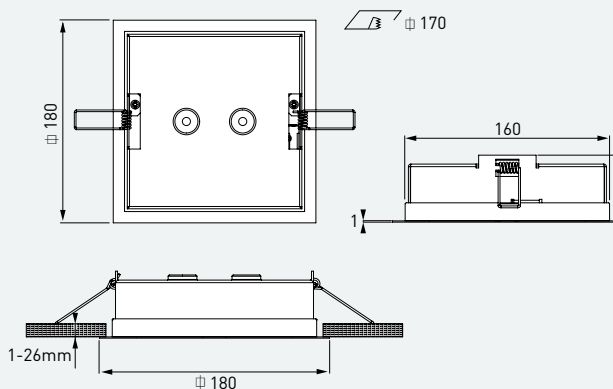
DIMENSIONAL SKETCHES

recessed luminaires

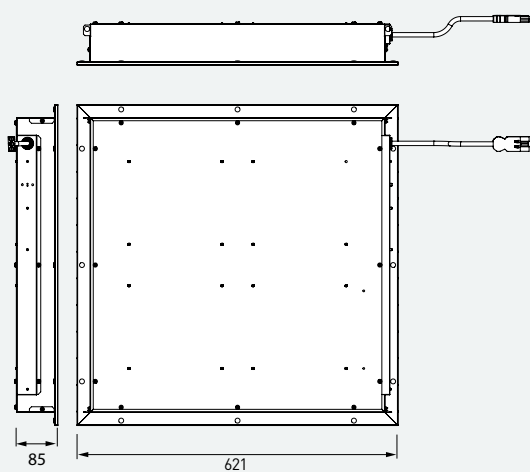
1. **U2 - square - modulation 600**
module 600: 596 x 596 mm



4. **U7 - mini**

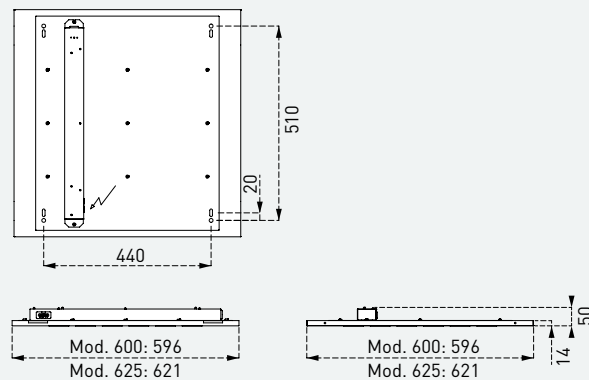


2. **U2 - square - modulation 625**
module 625: 621 x 621 mm

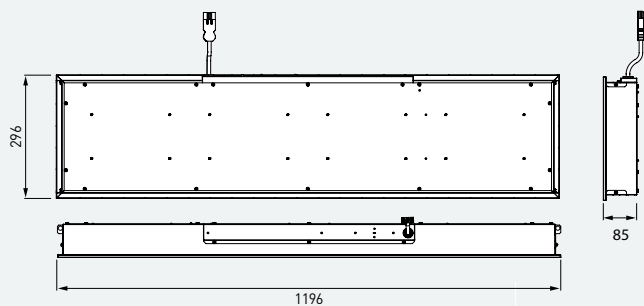


5. **U7 - square**

module 600: 596 x 596 mm
module 625: 621 x 621 mm

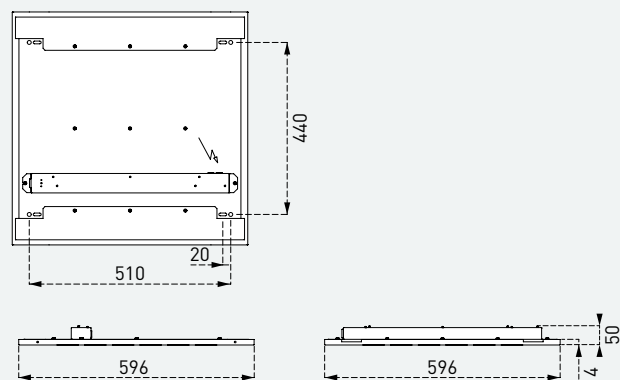


3. **U2 - linear**
module 300: 1196 x 296 mm



6. **U7 - square - with air extraction**

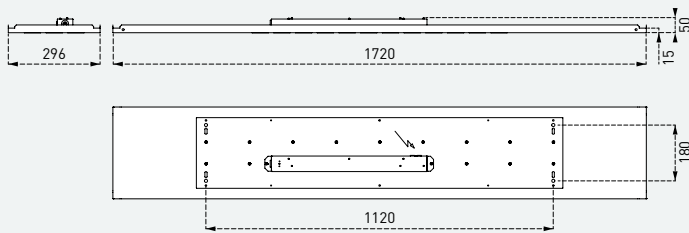
module 600: 596 x 596 mm



recessed luminaires

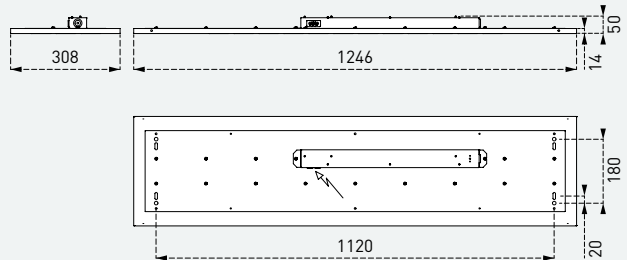
7. U7 - linear - Bandraster

module 1800: 1720 x 296 mm



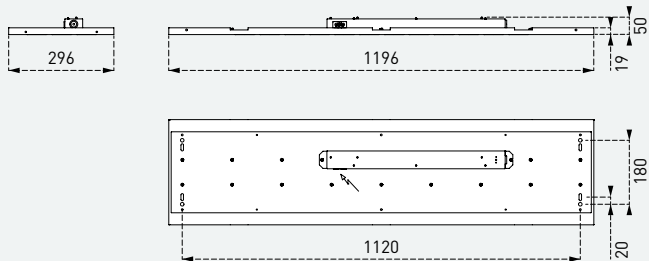
10. U7 - linear - modulation 625

module 625: 1246 x 308 mm



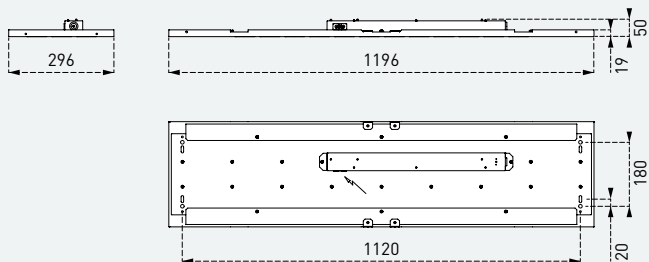
8. U7 - linear - modulation 300

module 300: 1196 x 296 mm



9. U7 - linear - modulation 300 with air extraction

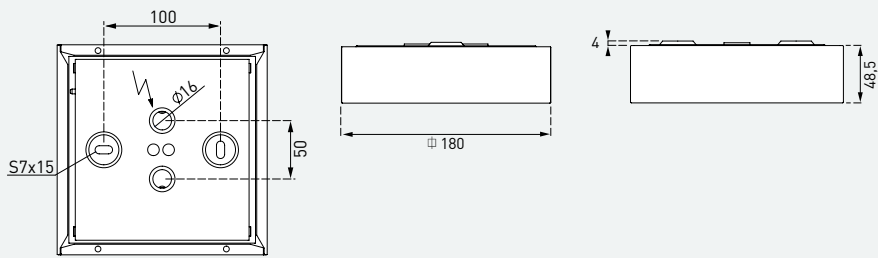
module 300: 1196 x 296 mm



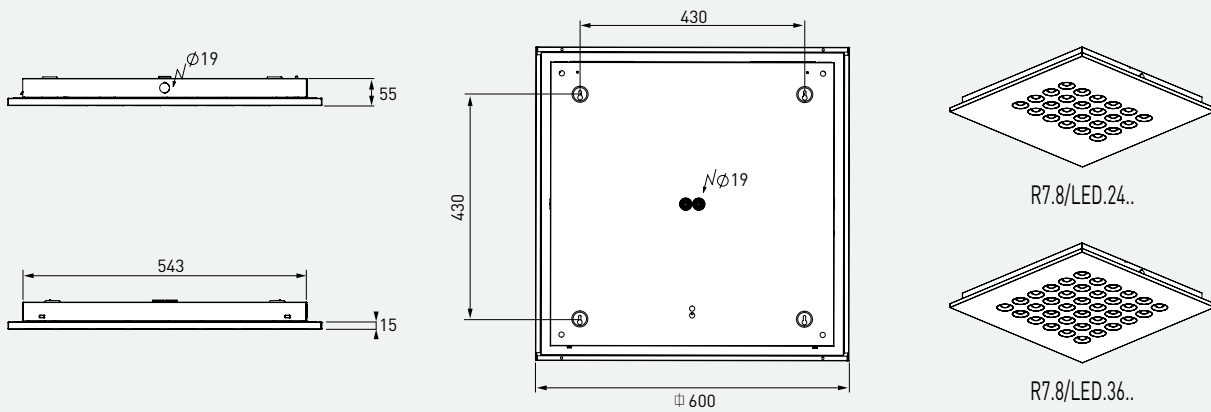
DIMENSIONAL SKETCHES

surface mounted and suspended luminaires

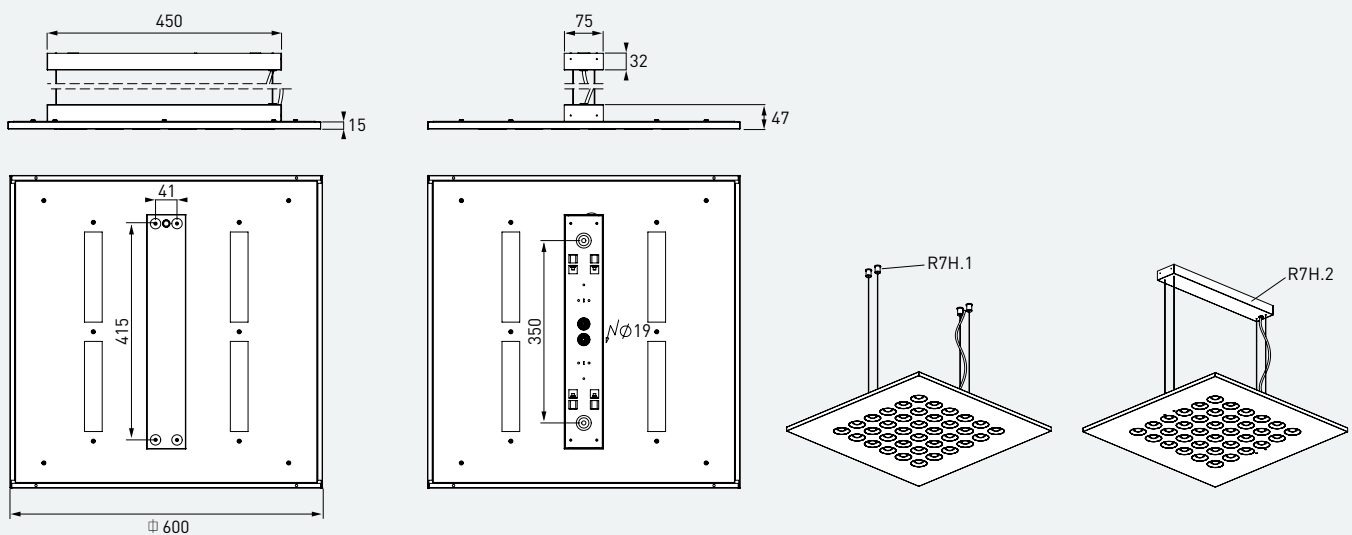
11. R7 - mini



12. R7 - square - surface mounted

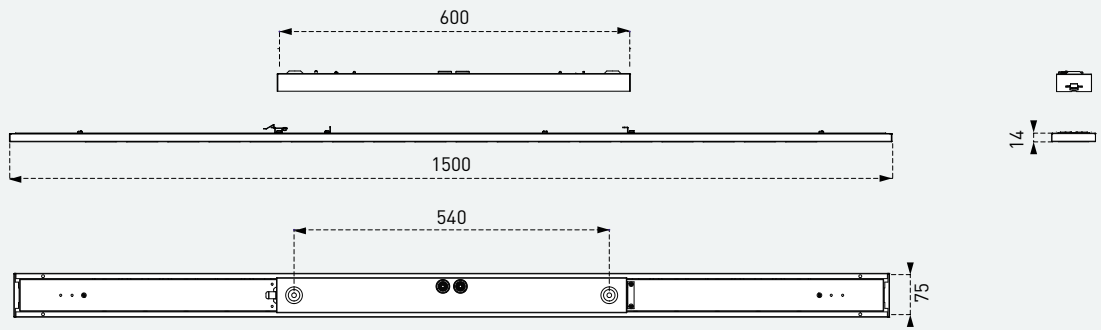


13. R7 - square - suspension

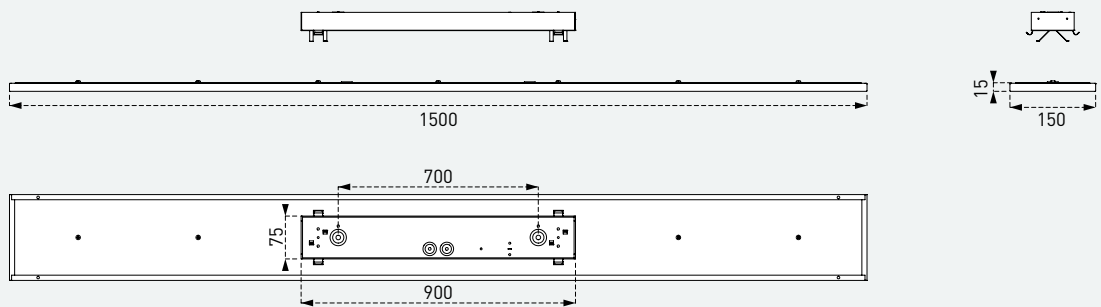


surface mounted and suspended luminaires

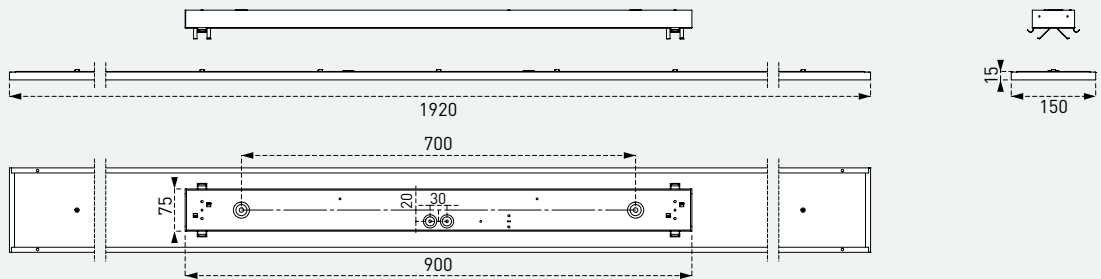
14. **R7** - surface mounted - individual - 18 LEDs



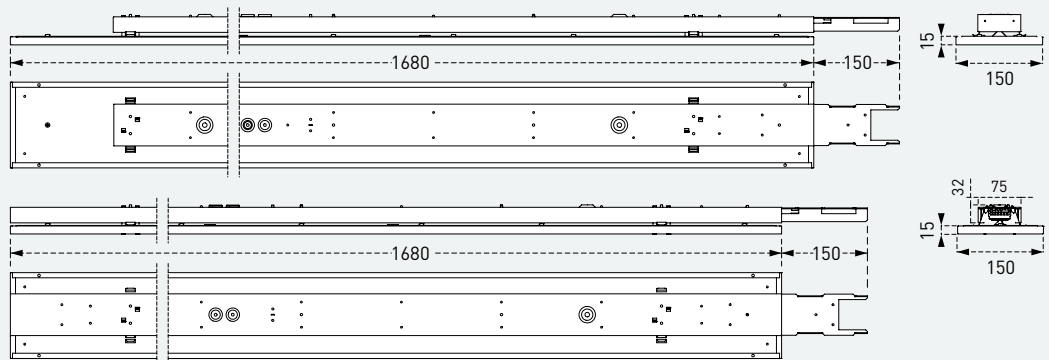
R7 - surface mounted - individual - 24 or 36 LEDs



15. **R7** - surface mounted - individual - 48 LEDs



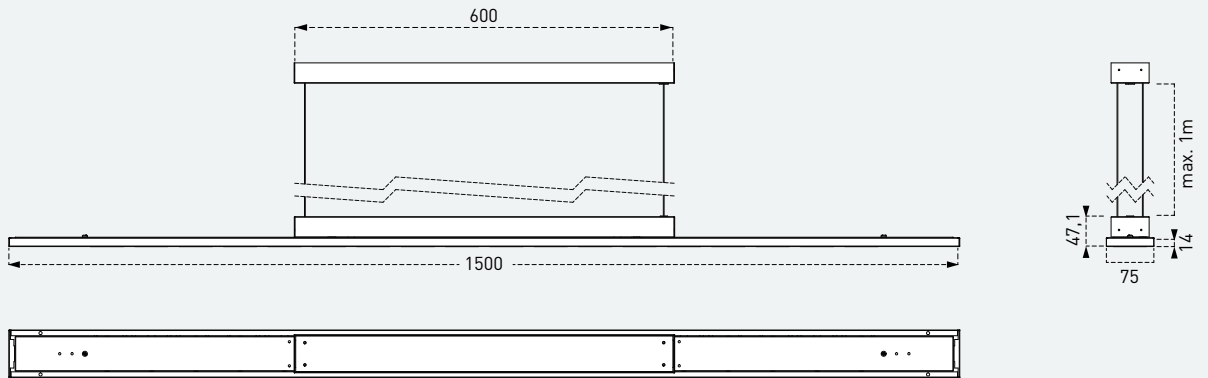
16. **R7** - surface mounted - in line - 24 or 36 LEDs



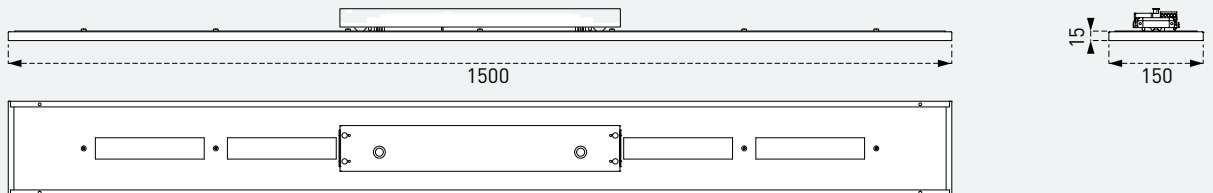
DIMENSIONAL SKETCHES

surface mounted and suspended luminaires

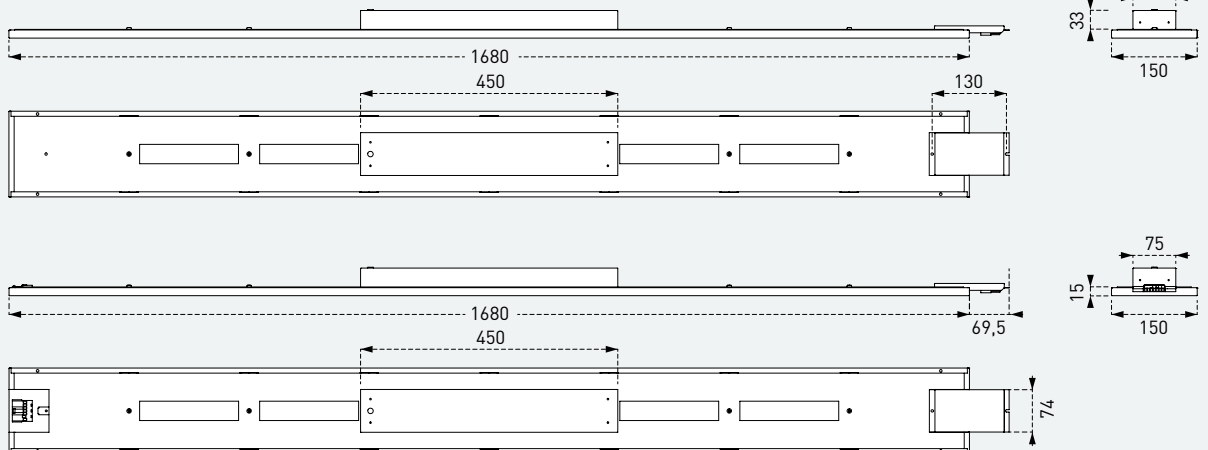
17. R7 - suspension - individual - 18 LEDs



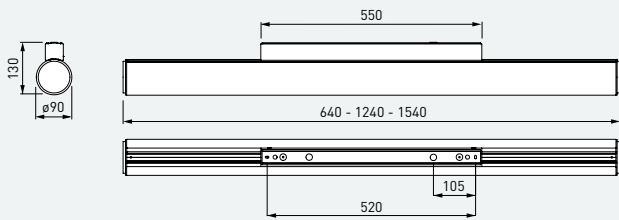
R7 - suspension - individual - 24 or 36 LEDs



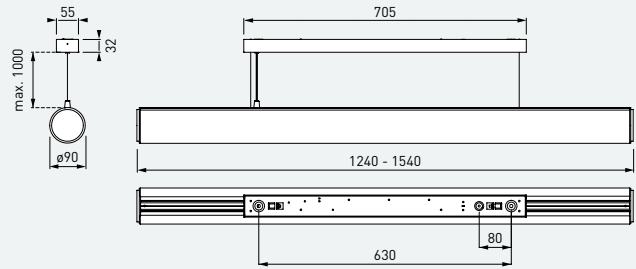
18. R7 - suspension - in line



19. R8 - LED - surface mounted - individual

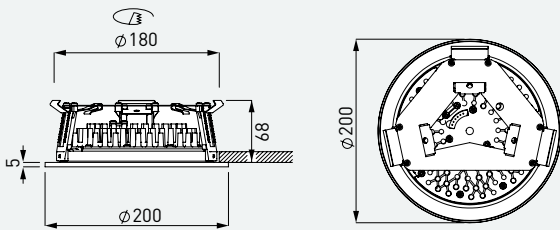


20. R8 - LED - suspension - individual

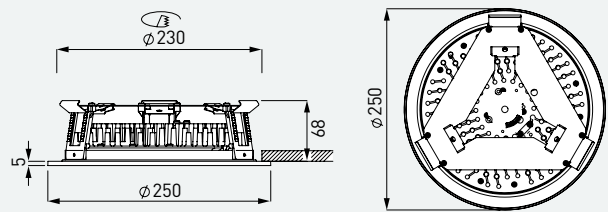


downlights and wall luminaires

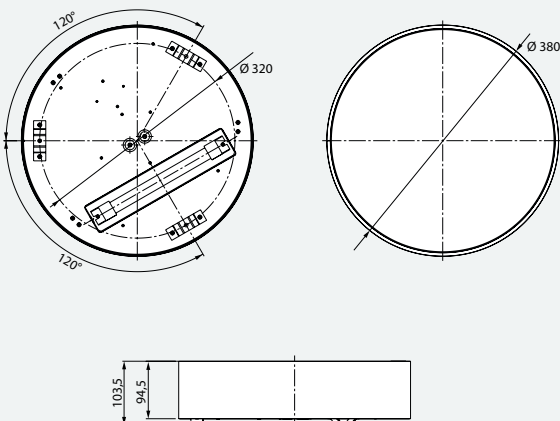
21. D4 - Ø 200 mm



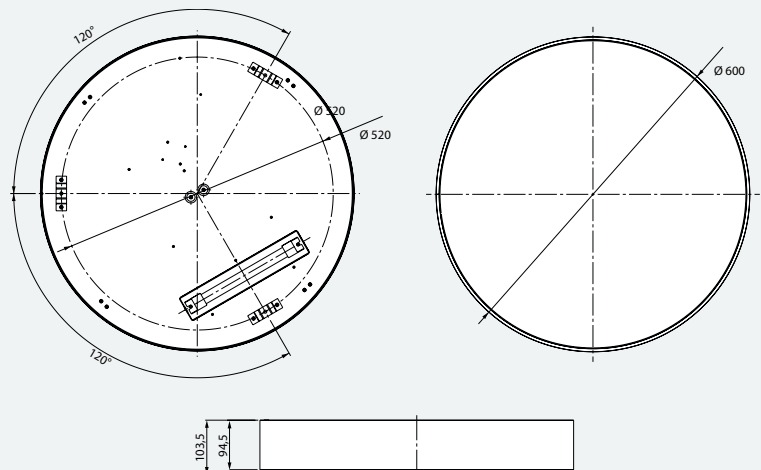
22. D4 - Ø 250 mm



23. W1 - Ø 380 mm



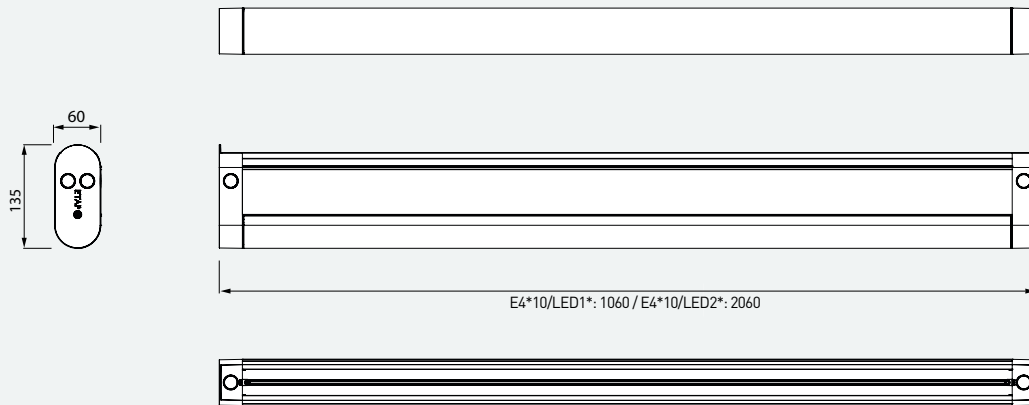
24. W1 - Ø 600 mm



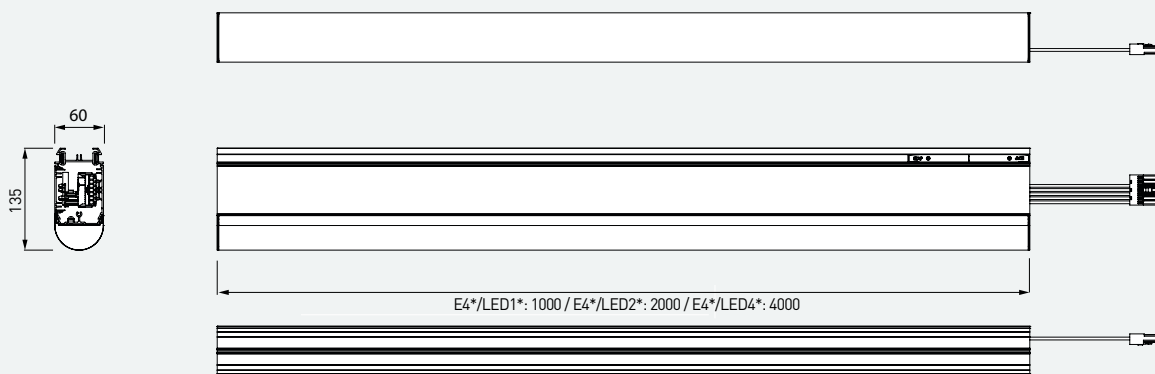
DIMENSIONAL SKETCHES

light line systems

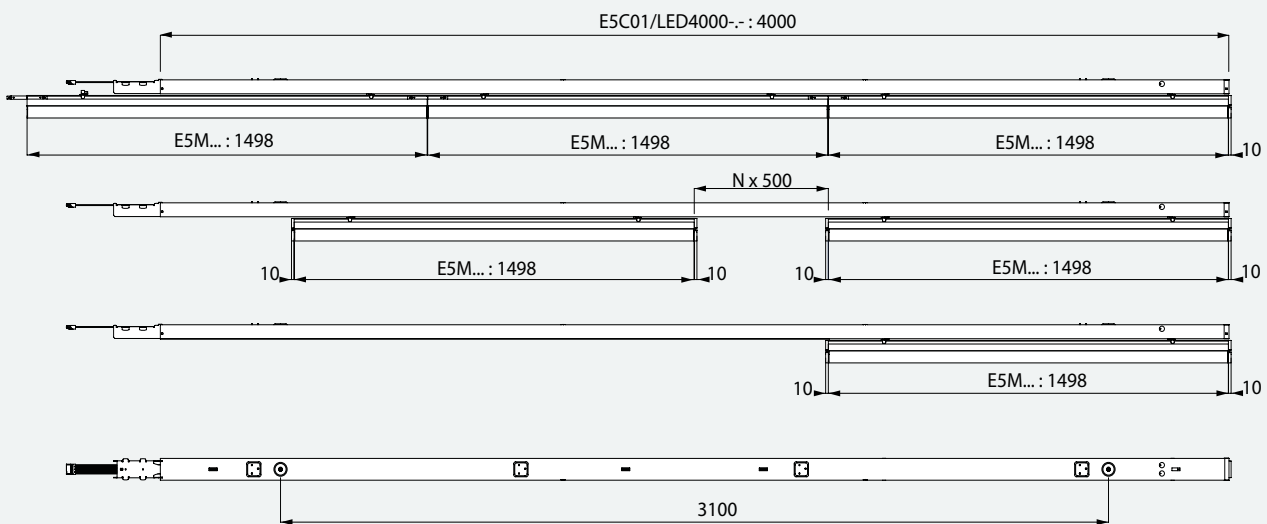
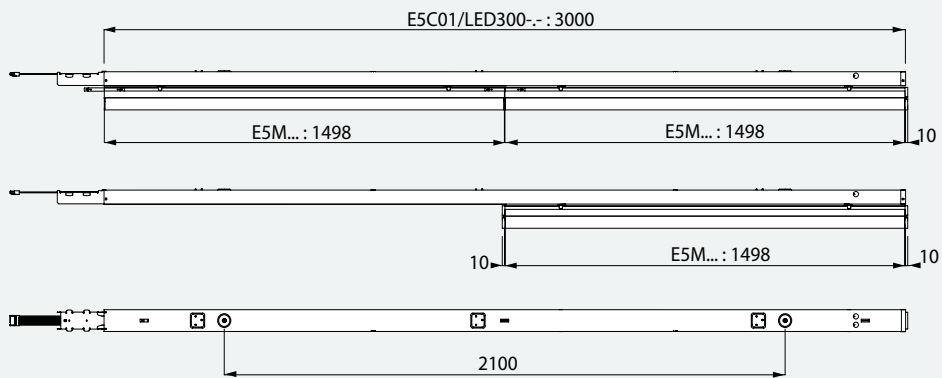
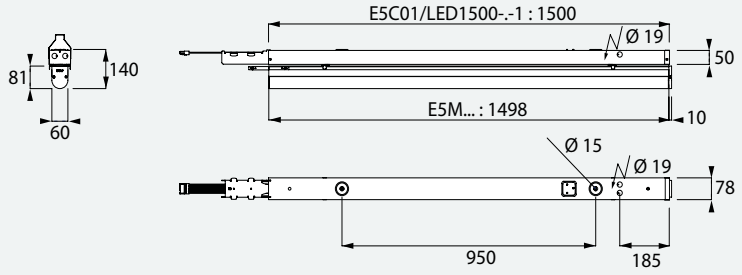
25. E4 - individual



26. E4 - in line



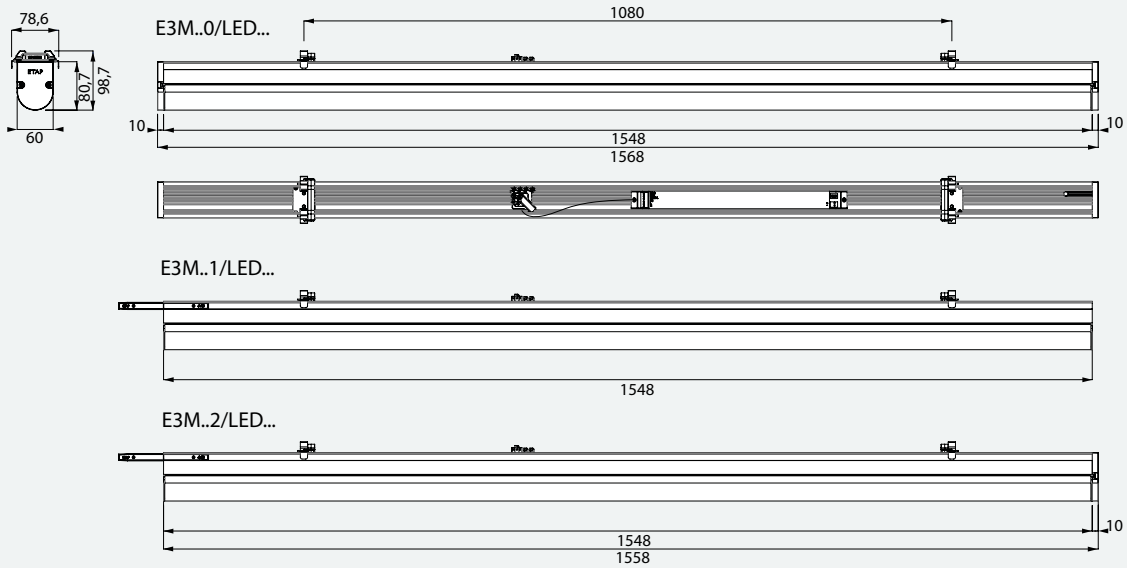
27. E5 LED



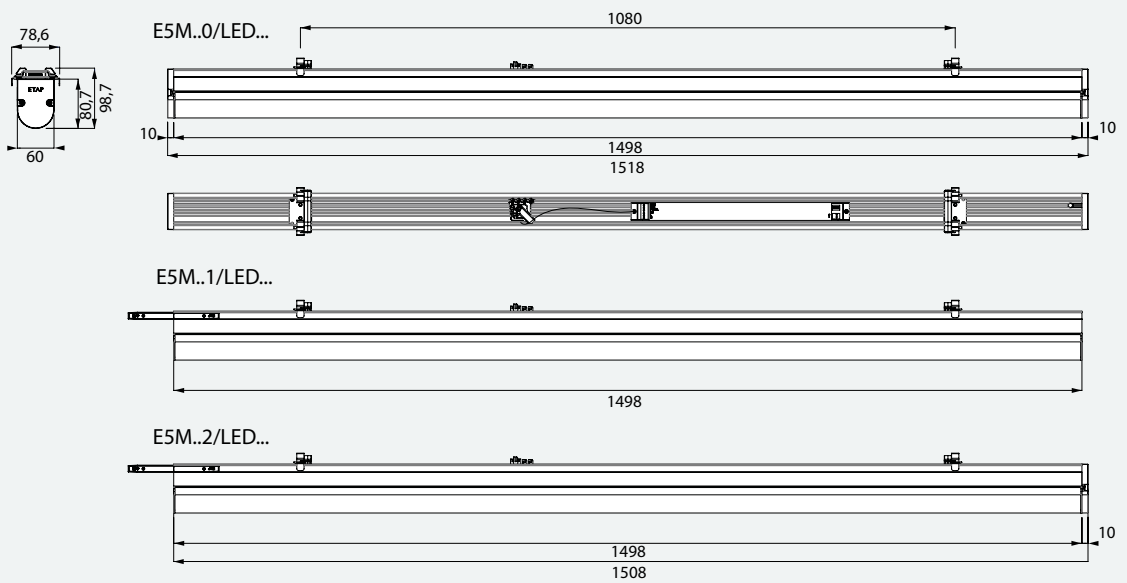
DIMENSIONAL SKETCHES

light line systems

28. E3 renovation module

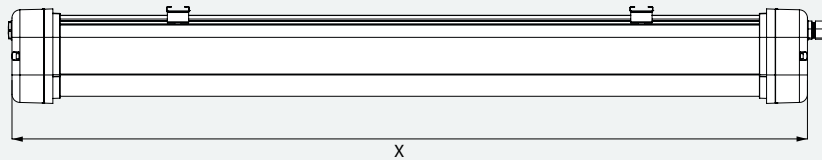
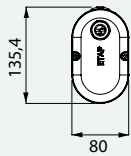


29. E5 renovation module



high protection factor luminaires

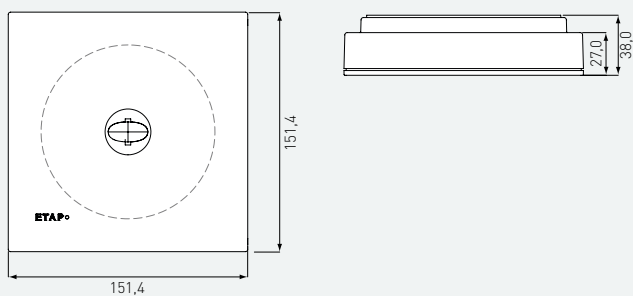
30. E2



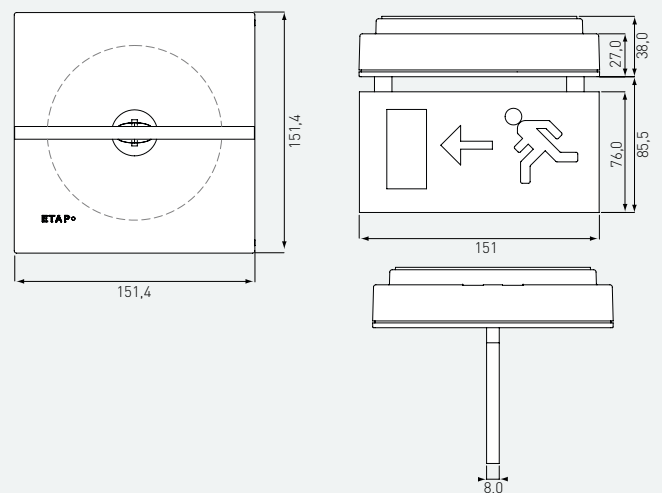
| LUMEN | X |
|---------|---------|
| 3000 lm | 620 mm |
| 4500 lm | 870 mm |
| 6000 lm | 1120 mm |
| 7500 lm | 1370 mm |
| 9000 lm | 1620 mm |

emergency lighting

50. K1 - lighting - surface mounted



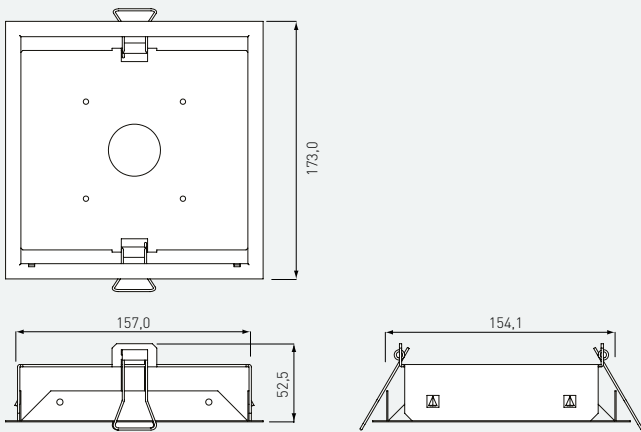
51. K1 - single and double sided signage - surface mounted



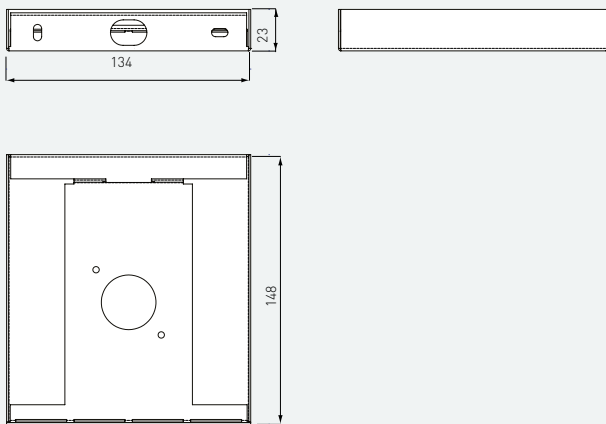
DIMENSIONAL SKETCHES

emergency lighting

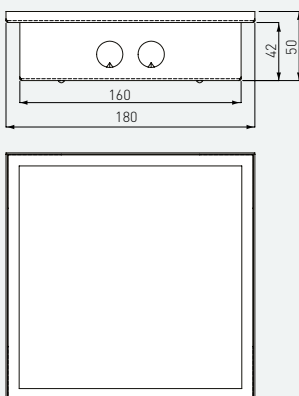
52. K1 - mounting frame



53. K1 - right angle wall bracket

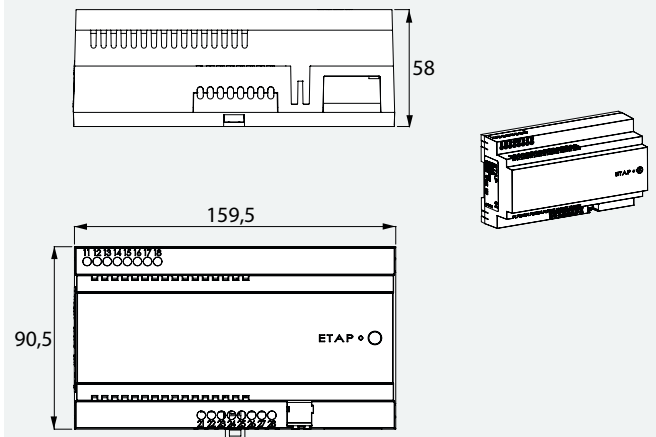


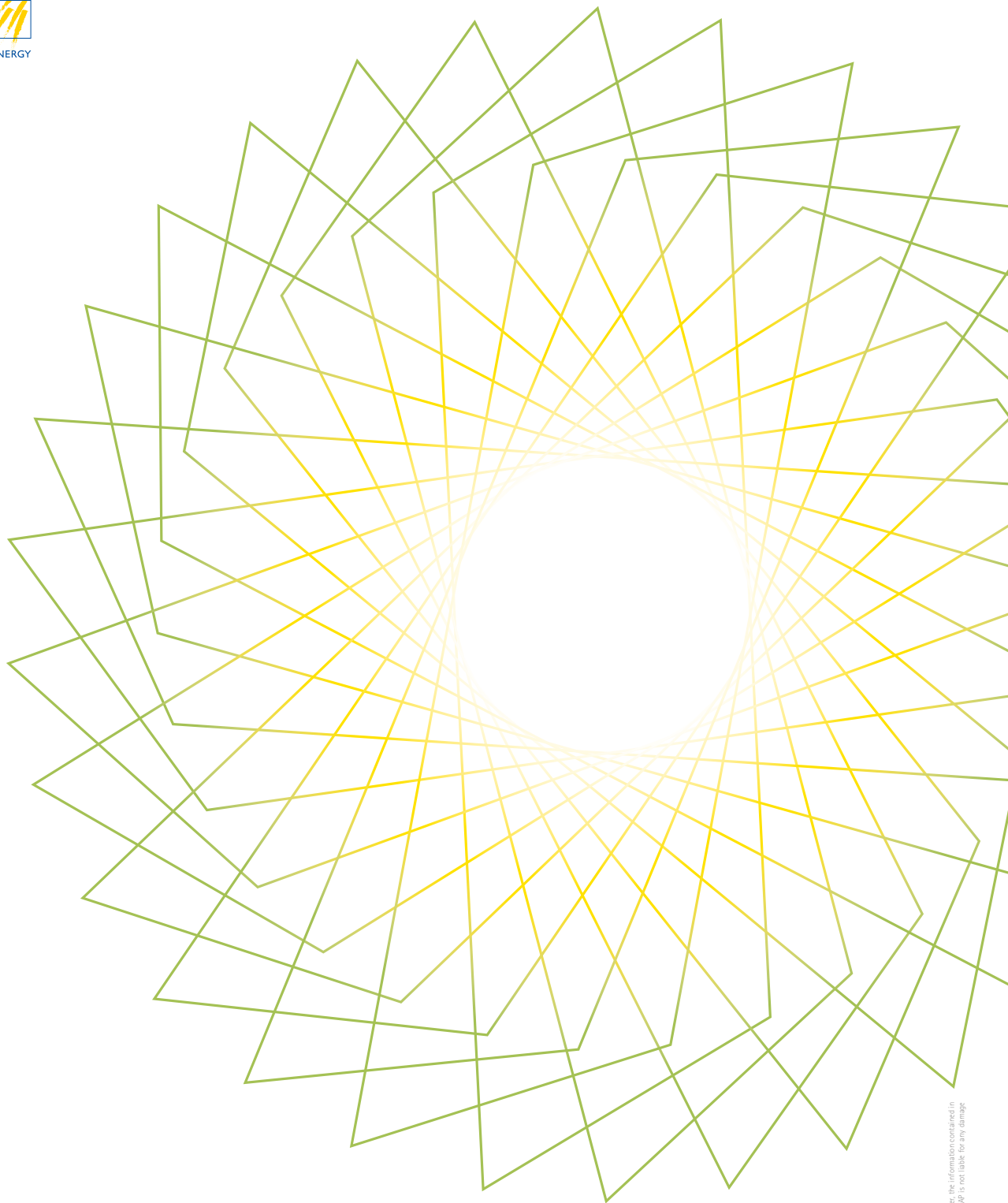
54. K1 - protective cover



systems

60. Excellum2 - controller





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