



# R-LED<sup>®</sup>

LED-emergency escape luminaires

## R-LED<sup>®</sup> kappa

LED-emergency escape luminaires for best illumination of escape routes

- in accordance with EN 1838 and IEC 60598-2-22
- with variable LED optics
- for easy installation



R-LED® kappa

DIN EN 60598-2-22  
 DIN EN 1838  
 DIN EN 62034

DIN EN 50172 (VDE 0108-100)  
 E DIN VDE 0108-100

R-LED® kappa complies as LED luminaires to all specifications for a good illumination of escape routes and safety relevant areas (anti-panic lighting).

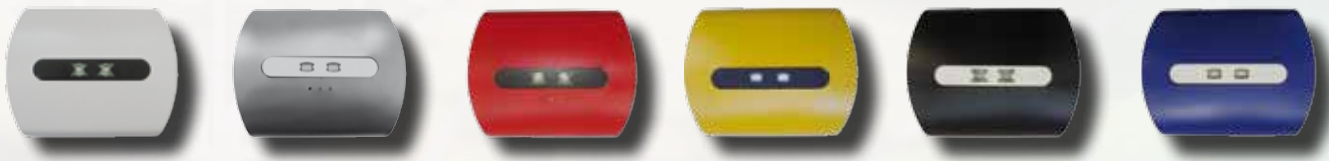
Optimal LED operation for maximum life cycle - LED guaranteed for five years. The luminaires are available for use with central battery systems or as self-contained luminaires.

Variable LED optics adapted for specific needs allow energy optimized great distances between luminaires.

Self-contained luminaires without central monitoring feature an autonomous self-test and test button (R-Test) as standard equipment.

Depending on the mounting height distances of up to 29m become possible.

In the luminaires of the R-LED® series, actual LED monitoring is achieved by a system-dependent LED operating device in combination with the necessary electro-nic monitoring circuitry.

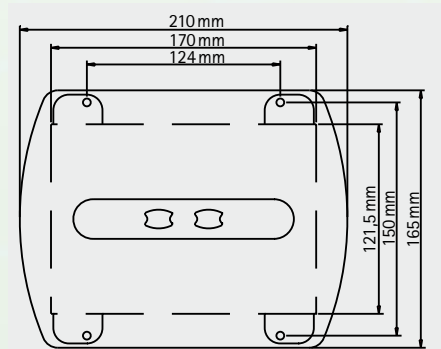


Technical data

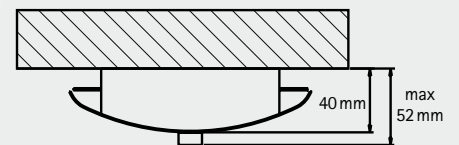
Options

Enclosure	Prepared for ceiling and recessed ceiling mounting	
Colour	Enclosure: white; Optics connection: black	Enclosure: black, red, yellow, blue, Aluminium anodized; Optics connection: white
Visual appearance	<ul style="list-style-type: none"> <li>■ asymmetric optics for illumination of escape routes</li> <li>■ symmetric optics for safety relevant areas (anti-panic)</li> </ul>	
Supply voltage	230V AC/DC 24 V DC	
Protection type	IP 40	
Protection class	I for 230V AC/DC III for 24V/DC	
Illuminant	2 x 3W LED - operated with 1,9W each	
Monitoring	<ul style="list-style-type: none"> <li>■ Central battery: Individual luminaire monitoring with address module RÜB</li> <li>■ 24V: with module RÜB</li> <li>■ Self-contained: Autonomous self-test and test button (R-Test) are standard, central monitoring with R-Control (optional)</li> </ul>	

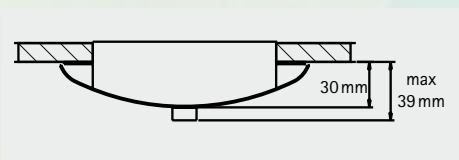
Dimensions



Ceiling mounting



Recessed ceiling mounting



Ordering information

kappa	Emergency power	Optics	Colour	Mounting type	Illuminant	Monitoring
KP 01	Z=Central power supply	A = asymmetric S = symmetric	Z = White X = Anodized aluminium S = Black G = Yellow R = Red B = Blue Y = Special (RAL)	D = ceiling and recessed ceiling mounting	L = LED	N = none 6 = RÜB 06 8 = RÜB 08
KP 02	E=Self-contained					S = R-Test C = R-Control
KP 03	V=24 V DC					V

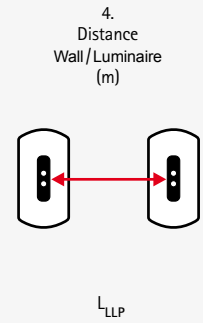
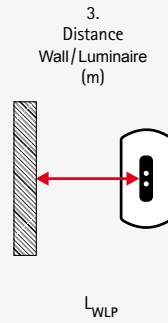
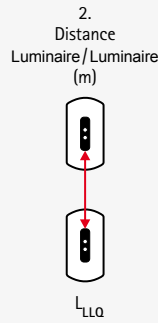
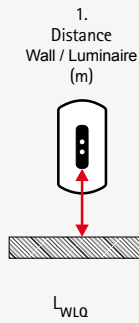
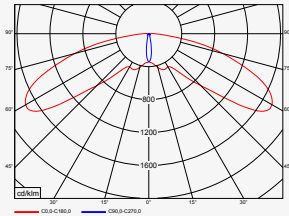
Example

KP 02	E	A	X	D	L	S
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kappa / self-contained / asymmetric / Alu anodized / ceiling and recessed ceiling mounting / LED / R-Test

\* when used as intended

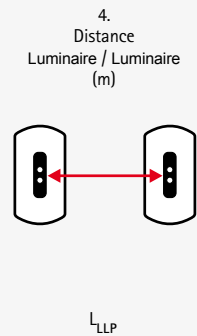
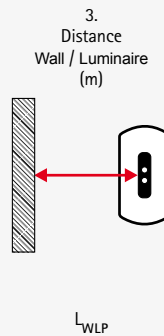
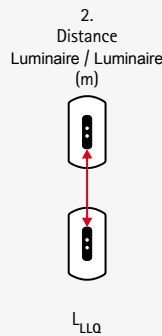
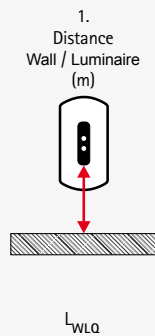
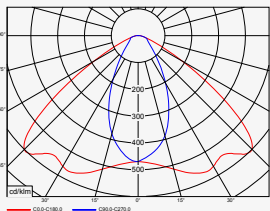
Project planning of escape route illumination with asymmetric optics



Mounting height (m)	1. Distance Wall / Luminaire (m)		2. Distance Luminaire / Luminaire (m)		3. Distance Wall / Luminaire (m)		4. Distance Wall / Luminaire (m)	
	Mains / 1 h Battery	3 h Battery	Mains / 1 h Battery	3 h Battery	Mains / 1 h Battery	3 h Battery	Mains / 1 h Battery	3 h Battery
3,0 m	1,4	1,2	4,0	3,4	9,0	7,0	20,0	18,0
4,0 m	1,7	1,4	5,0	3,6	10,0	8,0	22,0	20,0
5,0 m	1,8	1,5	6,0	3,7	11,0	9,0	24,0	22,0
6,0 m	2,0	-	6,5	-	12,0	-	26,0	-
7,0 m	2,1	-	7,0	-	12,5	-	28,0	-

Zentrale BUS-CONTROL

Project planning for safety relevant areas (anti-panic) with symmetric optics



Mounting height (m)	1. Distance Wall / Luminaire (m)		2. Distance Luminaire / Luminaire (m)		3. Distance Wall / Luminaire (m)		4. Distance Wall / Luminaire (m)	
	Mains / 1 h Battery 1,0 Lx	3 h Battery 1,0 Lx	Mains / 1 h Battery 1,0 Lx	3 h Battery 1,0 Lx	Mains / 1 h Battery 1,0 Lx	3 h Battery 1,0 Lx	Mains / 1 h Battery 1,0 Lx	3 h Battery 1,0 Lx
3,0 m	2,2	2,0	6,0	6,0	5,0	4,0	10,0	10,0
4,0 m	3,0	2,0	7,0	6,0	5,0	4,5	12,0	11,0
5,0 m	3,0	2,0	8,0	6,0	5,0	4,5	14,0	11,0
6,0 m	3,0	-	8,0	6,0	6,0	-	16,0	-
7,0 m	3,0	-	8,0	6,0	6,0	-	17,0	-

2\*0.5qmm verdreht, ohne Schutz  
z.B. EIB-Y(ST) 2\*2\*0.8



Binding Posts

Sockets

Lead-through Bolts

Transformers

Chokes

Power Resistors

Emergency Power Supply

Safety Lighting

Industrial furnaces

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