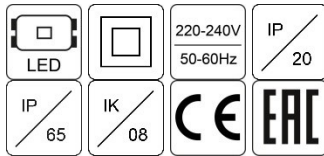


# ARA R LED

## Emergency Lighting



**Description:** Recessed mounted LED emergency escape luminaire  
 Light distribution type: direct  
 Optical system: lenses  
 Housing: polycarbonate  
 Colour: white  
 Battery charging time: 24 hours (12 hours optional: AUT)  
 Battery: NiCd (LiFePO<sub>4</sub> optional: AUT), deep discharge protection

**General data:** Mains voltage: 220-240V, 50-60Hz  
 LED lifetime, h: 50000/L80B50  
 SDCM: 5  
 Protection class IEC: II  
 Ingress protection code: IP20 or IP65/20  
 Mechanical impact resistance: IK08  
 Operating temperature range, °C: ta 0...+40

**Installation:** In ceilings with cut-out openings (mounting brackets included). Push-in terminal, 2x2x2.5mm<sup>2</sup>  
 Electronic gear and battery package installed in a separate box

**Environment:** Indoor

**Application:** Escape route lighting



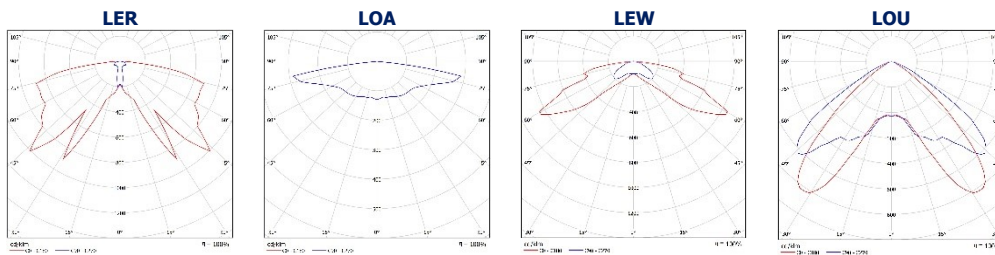
The extremely effective optics reflected in the very large mounting distances between the luminaires:  
 up to 39m along the escape routes;  
 up to 27m in the open areas;  
 that effects significantly on reduction of the number of needed emergency luminaires and, consequently, the costs of installation and subsequent maintenance

Product	Length, mm	Width, mm	Height, mm	Illumination mode	Emergency operating time, h	Power in emergency mode, W*	CRI*	CCT, K*	Weight, kg
Ara R 1HLED C364 LER	100	100	37	NM	1	1	80+	6500	0,60
Ara R 3HLED C365 LER	100	100	37	NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LER	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LER	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LER AUT	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LER AUT	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R CEBLED C368 LER	100	100	37	CEB	x	1	80+	6500	0,60
Ara R 1HLED C364 LOA	100	100	37	NM	1	1	80+	6500	0,60
Ara R 3HLED C365 LOA	100	100	37	NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LOA	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LOA	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LOA AUT	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LOA AUT	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R CEBLED C368 LOA	100	100	37	CEB	x	1	80+	6500	0,60
Ara R 1HLED C364 LER IP65	100	100	37	NM	1	1	80+	6500	0,60
Ara R 3HLED C365 LER IP65	100	100	37	NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LER IP65	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LER IP65	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LER IP65 AUT	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LER IP65 AUT	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R CEBLED C368 LER IP65	100	100	37	CEB	x	1	80+	6500	0,60

**TECHNICAL DATA SHEET**

Product	Length, mm	Width, mm	Height, mm	Illumination mode	Emergency operating time, h	Power in emergency mode, W*	CRI*	CCT, K*	Weight, kg
Ara R 1HLED C364 LOA IP65	100	100	37	NM	1	1	80+	6500	0,60
Ara R 3HLED C365 LOA IP65	100	100	37	NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LOA IP65	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LOA IP65	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R 1PLED C366 LOA IP65 AUT	100	100	37	M/NM	1	1	80+	6500	0,60
Ara R 3PLED C367 LOA IP65 AUT	100	100	37	M/NM	3	1	80+	6500	0,65
Ara R CEBLED C368 LOA IP65	100	100	37	CEB	x	1	80+	6500	0,60
Ara R 1PLED C371 LER IP65	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C372 LER IP65	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R 1PLED C371 LER IP65 AUT	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C372 LER IP65 AUT	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R CEBLED C373 LER IP65	100	100	37	CEB	x	3	80+	6500	0,60
Ara R 1PLED C371 LOA IP65	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C372 LOA IP65	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R 1PLED C371 LOA IP65 AUT	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C372 LOA IP65 AUT	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R CEBLED C373 LOA IP65	100	100	37	CEB	x	3	80+	6500	0,60
Ara R 1PLED C376 LER IP65	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C377 LER IP65	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R 1PLED C376 LER IP65 AUT	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C377 LER IP65 AUT	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R CEBLED C378 LER IP65	100	100	37	CEB	x	3	80+	6500	0,60
Ara R 1PLED C376 LOA IP65	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C377 LOA IP65	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R 1PLED C376 LOA IP65 AUT	100	100	37	M/NM	1	3	80+	6500	0,65
Ara R 3PLED C377 LOA IP65 AUT	100	100	37	M/NM	3	3	80+	6500	0,65
Ara R CEBLED C378 LOA IP65	100	100	37	CEB	x	3	80+	6500	0,60

Note: M-maintained (with an option of connecting as non-maintained), NM- non-maintained, system power and output indicates data in emergency mode, tolerance range for optical and electrical data: ±10%, values apply to an ambient temperature of 25°C

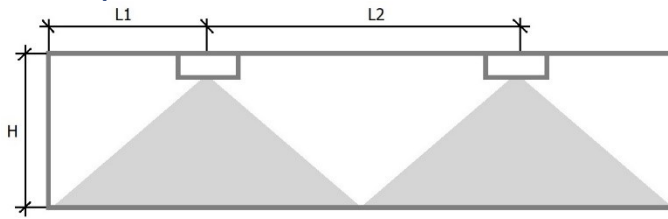


**Available options:**

TEST	Manual test button	LGREY	Light grey thermoplastic body
AUT	Autonomous testing system	BLACK	Black thermoplastic body
CEB	Fitting to central battery system	LER	Optic for escape route
CLV	Fitting to low voltage central battery system	LOA	Optic for open areas
EMS	Fitting to emergency monitoring system	LEW	Optic for escape route (wide corridor)
IP65	IP65/20 ingress protection for recessed version	LOU	Optic for mixed areas/universal

**TECHNICAL DATA SHEET**

**Photometry of LER/ LOA/ LEW/ LOU**



L1- distance from the wall to the first fixture  
L2- distance between fixtures  
H- height of the ceiling

**LER optic for corridor route illumination:**

LER- 1W/160lm min. 1lx		
H, m	L1, m	L2, m
2,50	5,5	15,0
3,00	5,5	16,0
3,50	6,0	16,5
4,00	6,5	17,0
4,50	6,0	16,5
5,00	6,0	16,5
6,00	5,5	14,0

LER- 3W/370lm min. 1lx		
H, m	L1, m	L2, m
2,50	8,0	19,0
3,00	8,0	20,5
3,50	8,5	21,5
4,00	9,0	23,0
4,50	9,5	24,0
5,00	10,0	25,0
6,00	10,5	26,5
7,00	10,5	28,0
8,00	10,0	27,5

**LOA optic for open area illumination:**

LOA- 1W/145lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	2,5	13,5
3,00	2,0	13,5
3,50	2,0	13,5
4,00	2,0	13,0
4,50	1,5	12,5
5,00	1,5	12,5
6,00	1,5	12,0

LOA- 3W/375lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	6,5	17,0
3,00	6,5	18,0
3,50	6,5	20,0
4,00	5,5	21,5
4,50	5,0	22,5
5,00	4,0	23,0
6,00	4,0	22,5
7,00	4,0	22,0
8,00	3,0	21,0

**LEW optic for escape route (wide corridor) illumination:**

LEW- 1W/150lm min. 1lx		
H, m	L1, m	L2, m
2,50	5,5	13,0
3,00	5,5	14,0
3,50	6,0	15,5
4,00	6,5	17,0

LEW- 3W/370lm min. 1lx		
H, m	L1, m	L2, m
2,50	6,5	16,5
3,00	7,5	17,5
3,50	8,0	19,0
4,00	9,0	20,5
4,50	9,0	22,0
5,00	10,5	22,5
6,00	10,5	23,5

**LOU universal optic illumination:**

LOU- 1W/140lm min. 1lx		
H, m	L1, m	L2, m
2,50	3,5	6,5
3,00	3,5	7,5
3,50	3,5	8,0
4,00	3,5	8,5
4,50	4,0	8,5
5,00	4,5	9,0
6,00	4,5	8,0

LOU- 3W/390lm min. 1lx		
H, m	L1, m	L2, m
2,50	3,5	8,0
3,00	4,0	8,5
3,50	4,0	9,5
4,00	4,5	10,5
4,50	5,5	11,0
5,00	6,0	12,5
6,00	6,5	13,5