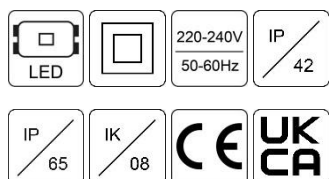


# ARA S LED

## Emergency Lighting



**Description:** Surface 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 (LiFePO4 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: IP42 or IP65  
 Mechanical impact resistance: IK08  
 Operating temperature range, °C: ta 0...+40 (ta -25...+40 optional)

**Installation:** On the ceiling or suspended (suspension bracket, wire to be ordered on request). Push-in terminal, 3x2x2.5mm2

**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 S 1HLED C379 LER IP65	202	202	58	NM	1	1	80+	6500	1,35
Ara S 3HLED C380 LER IP65	202	202	58	NM	3	1	80+	6500	1,40
Ara S 1PLED C381 LER IP65	202	202	58	M/NM	1	1	80+	6500	1,35
Ara S 3PLED C382 LER IP65	202	202	58	M/NM	3	1	80+	6500	1,40
Ara S 1PLED C381 LER IP65 AUT	202	202	58	M/NM	1	1	80+	6500	1,35
Ara S 3PLED C382 LER IP65 AUT	202	202	58	M/NM	3	1	80+	6500	1,40
Ara S CBLED C383 LER IP65	202	202	58	CEB	x	1	80+	6500	1,35
Ara S 1HLED C379 LOA IP65	202	202	58	NM	1	1	80+	6500	1,35
Ara S 3HLED C380 LOA IP65	202	202	58	NM	3	1	80+	6500	1,40
Ara S 1PLED C381 LOA IP65	202	202	58	M/NM	1	1	80+	6500	1,35
Ara S 3PLED C382 LOA IP65	202	202	58	M/NM	3	1	80+	6500	1,40
Ara S 1PLED C381 LOA IP65 AUT	202	202	58	M/NM	1	1	80+	6500	1,35
Ara S 3PLED C382 LOA IP65 AUT	202	202	58	M/NM	3	1	80+	6500	1,40
Ara S CBLED C383 LOA IP65	202	202	58	CEB	x	1	80+	6500	1,35

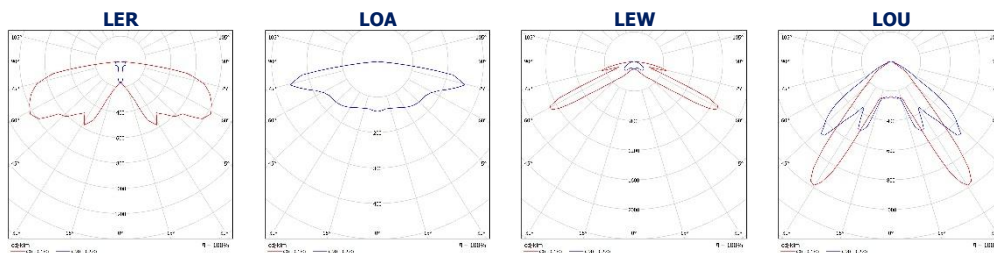
**TECHNICAL DATA SHEET**

Product	Length, mm	Width, mm	Height, mm	Illumination mode	Emergency operating time, h	Power in emergency mode, W*	CRI*	CCT, K*	Weight, kg
Ara S 1PLED C386 LER IP65	202	202	58	M/NM	1	3	80+	6500	1,35
Ara S 3PLED C387 LER IP65	202	202	58	M/NM	3	3	80+	6500	1,50
Ara S 1PLED C386 LER IP65 AUT	202	202	58	M/NM	1	3	80+	6500	1,35
Ara S 3PLED C387 LER IP65 AUT	202	202	58	M/NM	3	3	80+	6500	1,50
Ara S CEBLED C388 LER IP65	202	202	58	CEB	x	3	80+	6500	1,35
Ara S 1PLED C386 LOA IP65	202	202	58	M/NM	1	3	80+	6500	1,35
Ara S 3PLED C387 LOA IP65	202	202	58	M/NM	3	3	80+	6500	1,50
Ara S 1PLED C386 LOA IP65 AUT	202	202	58	M/NM	1	3	80+	6500	1,35
Ara S 3PLED C387 LOA IP65 AUT	202	202	58	M/NM	3	3	80+	6500	1,50
Ara S CEBLED C388 LOA IP65	202	202	58	CEB	x	3	80+	6500	1,35
Ara S 1PLED C391 LER IP65	202	202	58	M/NM	1	6	80+	6500	1,50
Ara S 3PLED C392 LER IP65	202	202	58	M/NM	3	6	80+	6500	1,75
Ara S 1PLED C391 LER IP65 AUT	202	202	58	M/NM	1	6	80+	6500	1,50
Ara S 3PLED C392 LER IP65 AUT	202	202	58	M/NM	3	6	80+	6500	1,75
Ara S CEBLED C393 LER IP65	202	202	58	CEB	x	6	80+	6500	1,50
Ara S 1PLED C391 LOA IP65	202	202	58	M/NM	1	6	80+	6500	1,50
Ara S 3PLED C392 LOA IP65	202	202	58	M/NM	3	6	80+	6500	1,75
Ara S 1PLED C391 LOA IP65 AUT	202	202	58	M/NM	1	6	80+	6500	1,50
Ara S 3PLED C392 LOA IP65 AUT	202	202	58	M/NM	3	6	80+	6500	1,75
Ara S CEBLED C393 LOA IP65	202	202	58	CEB	x	6	80+	6500	1,50

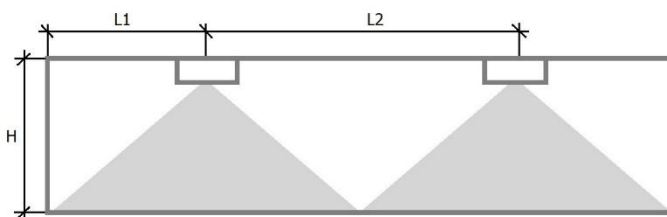
Note: M-maintained (with an option of connecting as non-maintained), NM- non-maintained, system power and output indicates data in emergency mode, tolerance range for optical and electrical data: ±10%, values apply to an ambient temperature of 25°C

**Available options:**

DALI	Driver with DALI interface	IP65	IP65 ingress protection for surface version
*note	- DALI option is applicable for models: C381, C382, C386, C387, C391, C392	LGREY	Light grey thermoplastic body
TEST	Manual test button	BLACK	Black thermoplastic body
AUT	Autonomous testing system	tmin-25	Suitable for low temperatures with ta -25...+40°C
CEB	Fitting to central battery system	LER	Optic for escape route
CLV	Fitting to low voltage central battery system CEBLV	LOA	Optic for open areas
EMS	Fitting to emergency monitoring system	LEW	Optic for escape route (wide corridor)
		LOU	Universal optic for open areas (high ceiling)



**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/180lm min. 1lx		
H, m	L1, m	L2, m
2,50	5,5	15,0
3,00	5,5	16,0
3,50	6,0	16,0
4,00	6,0	16,5
4,50	5,5	16,0
5,00	5,0	16,0
6,00	5,0	13,0

LER- 3W/390lm min. 1lx		
H, m	L1, m	L2, m
2,50	8,0	19,0
3,00	8,0	20,0
3,50	8,5	21,0
4,00	9,0	22,5
4,50	9,5	24,0
5,00	10,0	25,0
6,00	10,5	26,0
7,00	10,0	27,0
8,00	9,5	27,0
9,00	9,0	21,0
10,00	8,5	17,0

LER- 6W/790lm min. 1lx		
H, m	L1, m	L2, m
2,50	10,0	23,0
3,00	10,5	25,0
3,50	11,0	27,0
4,00	11,0	28,5
4,50	11,5	29,5
5,00	12,0	30,5
6,00	12,5	32,0
7,00	12,5	34,0
8,00	13,0	35,0
9,00	13,0	36,0
10,00	12,5	37,0

**TECHNICAL DATA SHEET**

**LOA optic for open area illumination:**

LOA- 1W/180lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	2,5	14,0
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/385lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	5,0	17,5
3,00	4,5	17,5
3,50	4,0	19,0
4,00	3,5	19,0
4,50	3,0	20,0
5,00	3,0	20,0
6,00	2,0	20,0
7,00	2,0	20,0
8,00	2,0	19,0

LOA- 6W/780lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	6,0	19,5
3,00	6,0	20,0
3,50	6,5	22,0
4,00	6,0	23,0
4,50	5,5	24,0
5,00	5,0	25,0
6,00	4,0	26,0
7,00	4,0	26,5
8,00	4,0	26,5
9,00	4,0	26,5
10,0	4,0	26,0

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

LEW- 1W/180lm min. 1lx		
H, m	L1, m	L2, m
2,50	5,5	12,0
3,00	6,5	13,5
3,50	7,0	15,0
4,00	7,5	17,0

LEW- 3W/400lm min. 1lx		
H, m	L1, m	L2, m
2,50	6,0	15,0
3,00	7,0	15,5
3,50	8,0	17,0
4,00	8,5	19,0
4,50	9,5	20,5
5,00	10,5	22,0
6,00	11,5	25,0

LEW- 6W/790lm min. 1lx		
H, m	L1, m	L2, m
2,50	7,5	20,0
3,00	8,5	21,0
3,50	9,5	21,5
4,00	10,5	22,5
4,50	11,0	23,5
5,00	11,5	25,0
6,00	13,0	29,0

**LOU universal optic illumination:**

LOU- 1W/180lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	3,0	6,5
3,00	3,0	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/410lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	3,5	8,0
3,00	3,5	8,5
3,50	4,5	9,5
4,00	4,5	10,5
4,50	5,5	11,0
5,00	5,5	12,5
6,00	6,0	13,5

LOU- 6W/805lm min. 0,5lx		
H, m	L1, m	L2, m
2,50	4,0	8,5
3,00	4,0	9,5
3,50	4,5	10,5
4,00	5,0	11,0
4,50	5,5	12,0
5,00	6,0	13,0
6,00	7,0	14,0