

ALUMAX LED



... aluminium, dustproof, waterproof, chemically resistant.

USE

The light fitting is suitable for industrial indoor and outdoor roofed spaces, warehouses, garages, workshops, sports areas, transport terminals, utility structures, agricultural operations and laboratories without a danger of explosion of gas, dust and combustible fumes.

The light fitting is resistant to deformation, dust, spouting water and chemically aggressive environment.

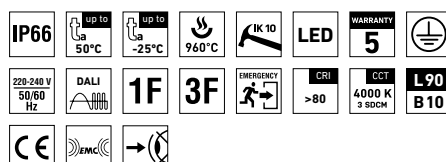
Characteristics of the used tempered glass and its shattering power are controlled by the ČSN EN 12150-1 standard.

ADVANTAGES

- Light fitting protection **IP66**
- Maximum ambient temperature up to **t_a = 50 °C**
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- Diffuser: satinated tempered safety glass
- Body: grey aluminium profile, surface treated with powder-coated colour
- Up to 45 % lower electricity consumption when compared to tubes T5
- In DALI version possibility of constant luminous

flux for whole lifetime (CLO)

- Constant luminous flux even in ambient temperature of -25 °C
- Standard model - CRI > 80: 4000 K
- At request CRI > 80: 3000 K, 6500 K
- It can be delivered in dimmable or emergency version

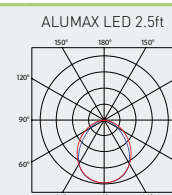
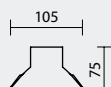
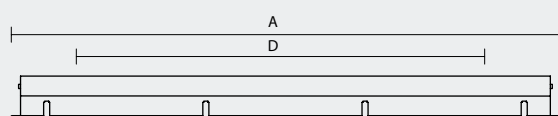


ALUMAX LED



TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Maximum ambient temperature: $t_a = 50^\circ\text{C}$, Maximum ambient temperature: $t_a = 0-40^\circ\text{C}$ with a back-up power supply M3hAt
- Maximum system efficacy: 134 lm/W
- The watt and lumen values can vary by $\pm 7,5\%$
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- Diffuser: satinated tempered safety glass
- Body: grey aluminium profile, surface treated with powder-coated colour
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless
- Sealing: polyurethane (PUR) in body groove
- Side covers: grey aluminium alloy with plastic side plates for fixation and suspension of glass at assembly, surface treated with powder-coated colour
- Terminal block: screwless, three-pole (basic version)
- Cable glands: brass M18 x 1,5
- Installation: package contains stainless sheet suspension brackets and FeZn sliding hangers
- Electric equipment: LED modules, current driver or current driver DALI



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
			Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
Diffuser made of tempered glass								
ALUMAX LED 1.2ft 1600/840	50	1630	1240	10,5	118	2,2	624	534
ALUMAX LED 1.2ft 2200/840 *	45	2360	1790	14,6	123	2,2	624	534
ALUMAX LED 1.4ft 3200/840	50	3260	2480	20,1	123	4,2	1224	1134
ALUMAX LED 1.4ft 4400/840 *	45	4520	3440	27,3	126	4,2	1224	1134
ALUMAX LED 1.5ft 4000/840	50	4180	3180	25,3	126	5,0	1524	1434
ALUMAX LED 1.5ft 5500/840 *	45	5590	4250	33,3	128	5,0	1524	1434
ALUMAX LED 2.2ft 3200/840 *	50	3250	2440	20,1	121	2,4	624	534
ALUMAX LED 2.2ft 4400/840 *	45	4680	3510	28,3	124	2,4	624	534
ALUMAX LED 2.4ft 6400/840 *	50	6520	4890	38,4	127	4,3	1224	1134
ALUMAX LED 2.4ft 8800/840 *	45	8980	6740	52,8	128	4,3	1224	1134
ALUMAX LED 2.5ft 8000/840 *	50	8330	6250	48,3	129	5,3	1524	1434
ALUMAX LED 2.5ft 11000/840 *	45	11260	8450	64,7	131	5,3	1524	1434

*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
ALUMAX LED 1.2ft 2200/840 ML	1550	13,0	119	1310	11,0	119	1060	9,1	116
ALUMAX LED 1.4ft 4400/840 ML	2980	23,3	128	2520	19,5	129	2040	15,8	129
ALUMAX LED 1.5ft 5500/840 ML	3680	28,4	130	3100	23,6	131	2510	19,1	131
ALUMAX LED 2.2ft 3200/840 ML	2120	17,3	123	1790	14,5	123	1450	12,3	118
ALUMAX LED 2.2ft 4400/840 ML	3050	24,2	126	2590	20,3	128	2090	16,4	127
ALUMAX LED 2.4ft 6400/840 ML	4240	32,9	129	3570	27,4	130	2900	22,0	132
ALUMAX LED 2.4ft 8800/840 ML	5840	44,9	130	4940	37,4	132	4010	30,1	133
ALUMAX LED 2.5ft 8000/840 ML	5420	41,5	131	4580	34,6	132	3710	27,9	133
ALUMAX LED 2.5ft 11000/840 ML	7310	55,6	131	6170	46,3	133	5000	37,4	134

50450 ALUMAX LED 1.4ft 3200/840 = suitable replacement for ALUMAX 136 E - 1 x 36 W

50480 ALUMAX LED 1.5ft 4000/840 = suitable replacement for ALUMAX 158 E - 1 x 58 W

50550 ALUMAX LED 2.4ft 6400/840 ML = suitable replacement for ALUMAX 236 E - 2 x 36 W

50580 ALUMAX LED 2.5ft 8000/840 ML = suitable replacement for ALUMAX 258 E - 2 x 58 W

ALUMAX LED

Diffuser made of tempered glass, stainless clips

Code	Type	1F	3F	M3hAt	3F M3hAt
50420	ALUMAX LED 1.2ft 1600/840	x	x	x	x
50430	ALUMAX LED 1.2ft 2200/840 ML	x	x	x	x
50450	ALUMAX LED 1.4ft 3200/840	50451	50453	109900	109903
50460	ALUMAX LED 1.4ft 4400/840 ML	50461	50463	109896	109899
50480	ALUMAX LED 1.5ft 4000/840	50481	50483	109888	109891
50490	ALUMAX LED 1.5ft 5500/840 ML	50491	50493	109884	109887
50520	ALUMAX LED 2.2ft 3200/840 ML	x	x	x	x
50530	ALUMAX LED 2.2ft 4400/840 ML	x	x	x	x
50550	ALUMAX LED 2.4ft 6400/840 ML	50551	50553	109876	109879
50560	ALUMAX LED 2.4ft 8800/840 ML	50561	50563	x	x
50580	ALUMAX LED 2.5ft 8000/840 ML	50581	50583	109868	109871
50590	ALUMAX LED 2.5ft 11000/840 ML	50591	50593	x	x

ALUMAX LED DALI

Digital dimmable driver DALI, diffuser made of tempered glass, stainless clips

Code	Type	3F	M3hAt	3F M3hAt
50620	ALUMAX LED 1.2ft 1600/840 DALI	x	x	x
50630	ALUMAX LED 1.2ft 2200/840 DALI	x	x	x
50650	ALUMAX LED 1.4ft 3200/840 DALI	50653	109901	109902
50660	ALUMAX LED 1.4ft 4400/840 DALI	50663	109897	109898
50680	ALUMAX LED 1.5ft 4000/840 DALI	50683	109889	109890
50690	ALUMAX LED 1.5ft 5500/840 DALI	50693	109885	109886
50720	ALUMAX LED 2.2ft 3200/840 DALI	x	x	x
50730	ALUMAX LED 2.2ft 4400/840 DALI	x	x	x
50750	ALUMAX LED 2.4ft 6400/840 DALI	50753	109877	109878
50760	ALUMAX LED 2.4ft 8800/840 DALI	50763	x	x
50780	ALUMAX LED 2.5ft 8000/840 DALI	50783	109869	109870
50790	ALUMAX LED 2.5ft 11000/840 DALI	50793	x	x

LEGEND

- 1F** - 1-phase 3 core through-wiring in the luminaire
3F - 3-phase 5 core through-wiring in the luminaire
M3hAt - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
3F M3hAt - 3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

- DALI** - version with digital dimmable driver DALI
DALI 1F - 1-phase 5 core through-wiring in the luminaire
DALI 3F - 3-phase 7 core through-wiring in the luminaire
DALI 3F M3hAt - 3-phase 7 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) To a ceiling or a wall with the use of FeZn sliding hangers in body groove
c) Attachment with the use of side hangers to the wall



LIGHT FITTING DETAILED VIEW

ALUMAX LED

