

ALO

ALO 2

MAIN CHARACTERISTICS

Applications	Wide area lighting and sports facilities.
Optic	AM10 / AN10 / AW10 / ASM / ASN / ASW / A25: Asymmetrical optic for projection. Colour temperature: 4000K, CRI ≥ 70 3000K, CRI ≥ 70 optional LED source efficiency: 171 lm/W @ 700mA, Tj=85°C, 4000K
Insulation class	I
Protection degree	IP66 IK08 total
Dimensions	See the drawing
Weight	max 22.5 kg (excluded gear tray)
Exposed surface	Side: 0.056 m ² – Top: 0.26 m ² (excluded gear tray) SCx: 0.2 m ²
Mounting	Installation with C bracket or MICROMOOVER.
Tilt Angle	C bracket: +20° ÷ +75° on horizontal plane with steps graduated in 5° controlled steps. Micro-adjustment with slots ±2.5° (0.5° step) for intermediate values to the main adjustment. MICROMOOVER: +20° ÷ +75° on horizontal plane. Micro-adjustment 0/+10° for intermediate values to the main setting. Adjustment on vertical axis: ±180°.
Gear tray	Remote. (Power supply size 335x144mm H=60mm (x2) - Weight: 3,4 kg (x2)). Optional: mounting over luminaire body with integrated flanges (only with C bracket version).
Operating temp.	-40°C / +50°C
Storage temperature	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 60598-2-5, IEC 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3



ELECTRICAL CHARACTERISTICS

Rated voltage	220+480V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)
Power factor	>0,9 (at full load)
Flicker factor (FF)	< 3%
Mains connection	On terminal block for cables max. section 4mm ²
Surge protection	Up to 10kV
Control system (options)	F: Fixed power not dimmable. DAC: Automatic dimming (virtual midnight) with custom profile. FLC: Constant light flux. DALI: Digital dimming interface DALI. ZHAGA: Socket 4 pin (ZHAGA Book 18).
Optical unit lifetime (Tq=25°C, 600mA)	>100.000hr L80B10

MATERIALS

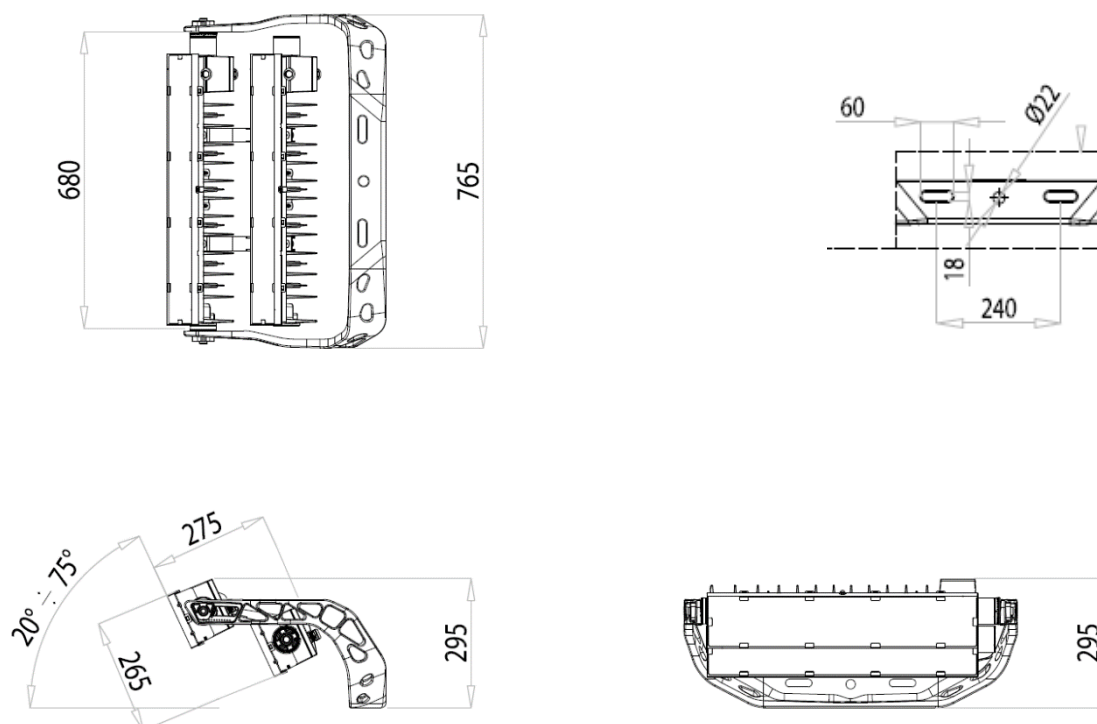
Fixing	Die-cast aluminum UNI EN1706 powder painted.
Body - Heat-sink	Die-cast aluminum UNI EN1706 powder painted.
Screen frame	Galvanised and painted steel with stainless steel springs.
Optic	Polycarbonate.
Screen	Flat tempered glass, 5mm thickness high transparency.
Cable gland	Metallic M25 x 1.5 - IP68
Gasket	Silicone
Colour	Matt satin grey RAL 7004 - Cod. 7J

OPTIONAL

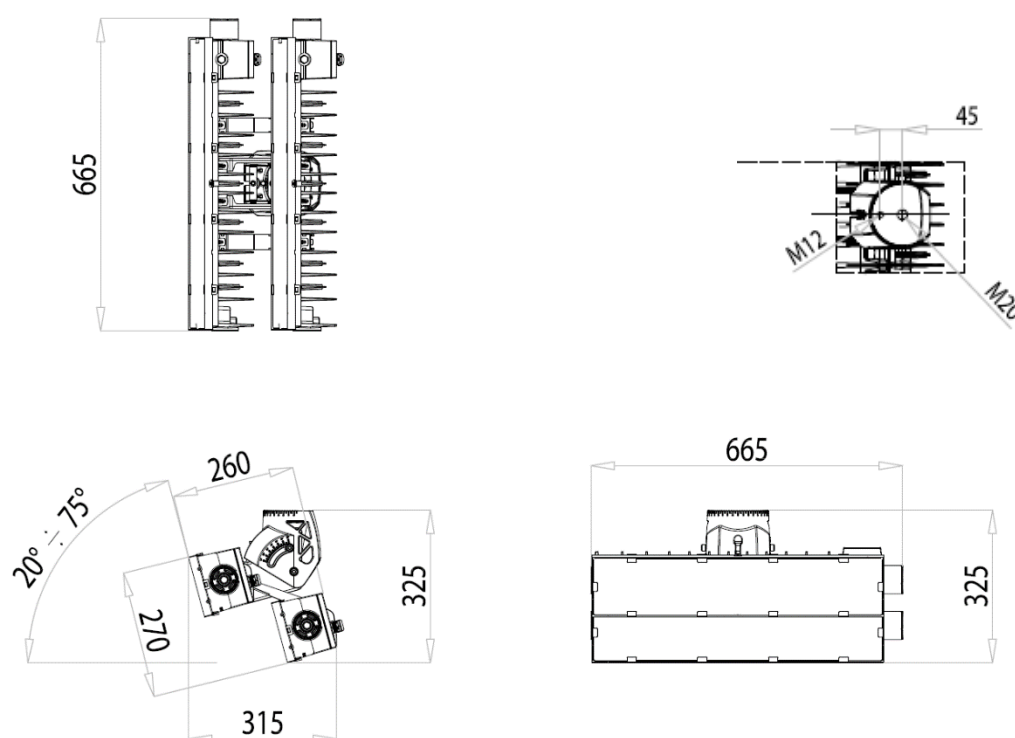
ES	External Shield – upward emission shield.
Power supply support	Support for integrated power supply mounting on floodlight (only with C bracket version).

DIMENSIONAL DRAWINGS

ALO with C bracket



ALO with MICROMOVER



ALO 2 2T12 WIDE AREA – 7040

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)
ALO 2 2T12 A25 7040.350-44M	A25	350	82610	546	151
ALO 2 2T12 A25 7040.400-44M	A25	400	92150	628	146
ALO 2 2T12 A25 7040.450-44M	A25	450	101140	710	142
ALO 2 2T12 A25 7040.500-44M	A25	500	109660	793	138
ALO 2 2T12 A25 7040.550-44M	A25	550	117790	876	134
ALO 2 2T12 A25 7040.600-44M	A25	600	125640	959	131
ALO 2 2T12 A25 7040.350-44M ES	A25	350	80130	546	146
ALO 2 2T12 A25 7040.400-44M ES	A25	400	89390	628	142
ALO 2 2T12 A25 7040.450-44M ES	A25	450	98110	710	138
ALO 2 2T12 A25 7040.500-44M ES	A25	500	106370	793	134
ALO 2 2T12 A25 7040.550-44M ES	A25	550	114260	876	130
ALO 2 2T12 A25 7040.600-44M ES	A25	600	121870	959	127
ALO 2 2T12 AM10 7040.350-44M	AM10	350	78770	546	144
ALO 2 2T12 AM10 7040.400-44M	AM10	400	87870	628	139
ALO 2 2T12 AM10 7040.450-44M	AM10	450	96440	710	135
ALO 2 2T12 AM10 7040.500-44M	AM10	500	104560	793	131
ALO 2 2T12 AM10 7040.550-44M	AM10	550	112320	876	128
ALO 2 2T12 AM10 7040.600-44M	AM10	600	119800	959	124
ALO 2 2T12 AM10 7040.350-44M ES	AM10	350	76410	546	139
ALO 2 2T12 AM10 7040.400-44M ES	AM10	400	85230	628	135
ALO 2 2T12 AM10 7040.450-44M ES	AM10	450	93550	710	131
ALO 2 2T12 AM10 7040.500-44M ES	AM10	500	101420	793	127
ALO 2 2T12 AM10 7040.550-44M ES	AM10	550	108950	876	124
ALO 2 2T12 AM10 7040.600-44M ES	AM10	600	116210	959	121

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)
ALO 2 2T12 AN10 7040.350-44M	AN10	350	82610	546	151
ALO 2 2T12 AN10 7040.400-44M	AN10	400	92150	628	146
ALO 2 2T12 AN10 7040.450-44M	AN10	450	101140	710	142
ALO 2 2T12 AN10 7040.500-44M	AN10	500	109660	793	138
ALO 2 2T12 AN10 7040.550-44M	AN10	550	117790	876	134
ALO 2 2T12 AN10 7040.600-44M	AN10	600	125640	959	131
ALO 2 2T12 AN10 7040.350-44M ES	AN10	350	80130	546	146
ALO 2 2T12 AN10 7040.400-44M ES	AN10	400	89390	628	142
ALO 2 2T12 AN10 7040.450-44M ES	AN10	450	98110	710	138
ALO 2 2T12 AN10 7040.500-44M ES	AN10	500	106370	793	134
ALO 2 2T12 AN10 7040.550-44M ES	AN10	550	114260	876	130
ALO 2 2T12 AN10 7040.600-44M ES	AN10	600	121870	959	127
ALO 2 2T12 ASM 7040.350-44M	ASM	350	82610	546	151
ALO 2 2T12 ASM 7040.400-44M	ASM	400	92150	628	146
ALO 2 2T12 ASM 7040.450-44M	ASM	450	101140	710	142
ALO 2 2T12 ASM 7040.500-44M	ASM	500	109660	793	138
ALO 2 2T12 ASM 7040.550-44M	ASM	550	117790	876	134
ALO 2 2T12 ASM 7040.600-44M	ASM	600	125640	959	131
ALO 2 2T12 ASM 7040.350-44M ES	ASM	350	80130	546	146
ALO 2 2T12 ASM 7040.400-44M ES	ASM	400	89390	628	142
ALO 2 2T12 ASM 7040.450-44M ES	ASM	450	98110	710	138
ALO 2 2T12 ASM 7040.500-44M ES	ASM	500	106370	793	134
ALO 2 2T12 ASM 7040.550-44M ES	ASM	550	114260	876	130
ALO 2 2T12 ASM 7040.600-44M ES	ASM	600	121870	959	127
ALO 2 2T12 ASN 7040.350-44M	ASN	350	82610	546	151

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ALO 2 2T12 ASN 7040.400-44M	ASN	400	92150	628	146
ALO 2 2T12 ASN 7040.450-44M	ASN	450	101140	710	142
ALO 2 2T12 ASN 7040.500-44M	ASN	500	109660	793	138
ALO 2 2T12 ASN 7040.550-44M	ASN	550	117790	876	134
ALO 2 2T12 ASN 7040.600-44M	ASN	600	125640	959	131
ALO 2 2T12 ASN 7040.350-44M ES	ASN	350	80130	546	146
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ALO 2 2T12 ASN 7040.550-44M ES	ASN	550	114260	876	130
ALO 2 2T12 ASN 7040.600-44M ES	ASN	600	121870	959	127
ALO 2 2T12 ASW 7040.350-44M	ASW	350	82610	546	151
ALO 2 2T12 ASW 7040.400-44M	ASW	400	92150	628	146
ALO 2 2T12 ASW 7040.450-44M	ASW	450	101140	710	142
ALO 2 2T12 ASW 7040.500-44M	ASW	500	109660	793	138
ALO 2 2T12 ASW 7040.550-44M	ASW	550	117790	876	134
ALO 2 2T12 ASW 7040.600-44M	ASW	600	125640	959	131
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ALO 2 2T12 ASW 7040.550-44M ES	ASW	550	114260	876	130
ALO 2 2T12 ASW 7040.600-44M ES	ASW	600	121870	959	127
ALO 2 2T12 AW10 7040.350-44M	AW10	350	78770	546	144
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*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: $\pm 7\%$. Power tolerance: $\pm 10\%$.

The characteristics of the product listed above are subjected to change without notice.

Performance data for other operating temperatures (OT) and other combinations of CRI and CCT available on request.

There may be current limitations depending on the operating temperature. See dedicated section on following pages.

Temperature by Geographic Area

Geographic Area	Country	Hottest month Average Ta (°C)	Suggested OT (°C)	Geographic Area	Country	Hottest month Average Ta (°C)	Suggested OT (°C)
America	Argentina	28	30	EU	Austria	26	25
America	Brazil	28	30	EU	Bosnia Herzegovina	34	35
America	Canada	25	25	EU	Denmark	21	20
America	Chile	30	30	EU	Estonia	21	20
America	Colombia	19	20	EU	Finland	20	20
America	Mexico	27	30	EU	France (Lyon)	28	30
America	Perù	27	30	EU	France (Marseille)	30	30
America	USA (Arizona)	40	40	EU	France (Parigi)	25	25
America	USA (New York)	29	30	EU	Germany	25	25
Asia/Oceania	Australia	27	30	EU	Greece	33	35
Asia/Oceania	South Korea	30	30	EU	Ireland	19	20
Asia/Oceania	Philippines	34	35	EU	Iceland	14	15
Asia/Oceania	Hong Kong	32	35	EU	Canary Islands	28	30
Asia/Oceania	India	36	35	EU	Italy	30	30
Asia/Oceania	Malaysia	33	35	EU	Liechtenstein	24	25
Asia/Oceania	New Zealand	23	25	EU	Lithuania	23	25
Asia/Oceania	Pakistan	34	35	EU	Luxembourg	24	25
Asia/Oceania	Russia	24	25	EU	Malta	32	35
Asia/Oceania	Singapore	32	35	EU	Norway	21	20
Asia/Oceania	Taiwan	34	35	EU	Netherlands	20	20
Asia/Oceania	Vietnam	34	35	EU	Poland	24	25
EMEA	Saudi Arabia	43	45	EU	Portugal	29	30
EMEA	Bahrain	39	40	EU	Czech Republic	25	25
EMEA	Egypt	35	35	EU	Romania	30	30
EMEA	Jordan	32	35	EU	Scotland	19	20
EMEA	Israel	30	30	EU	Slovenia	27	30
EMEA	Kuwait	46	50	EU	Spain (Madrid)	33	35
EMEA	Libanon	30	30	EU	Spain (Malaga)	31	30
EMEA	Morocco	27	30	EU	Spain (Barcelona)	32	35
EMEA	Oman	38	40	EU	Sweden (Goteborg)	21	20
EMEA	Qatar	42	45	EU	Sweden (Borlänge)	23	25
EMEA	UAE (Abu Dhabi)	40	40	EU	Switzerland	25	25
				EU	Turkey (Ankara)	31	30
				EU	Ukraine (Kiev)	26	25
				EU	UK	20	20

Maximum Current for Operating Temperature

WIDE AREA								
Temperature (°C)	OT15	OT20	OT25	OT30	OT35	OT40	OT45	OT50
Max. Current (mA)	600	600	600	600	550	500	450	400