

ALO

ALO 2

MAIN CHARACTERISTICS

Applications	Wide area lighting and sports facilities.
Optic	SP15 / SP25 / SP40: Symmetrical optic for projection. AM10 / AN10 / AW10 / ASM / ASN / ASW / A25: Asymmetrical optic for projection. BAC: Bidirectional asymmetric optic for projection, central emission. BAR/BAL: Bidirectional asymmetric optic for projection, right/left emission. Colour temperature: 5700K, CRI ≥ 70 (CRI 80, CRI 90 optional) 4000K, 3000K, CRI ≥ 70 optional LED source efficiency: 173 lm/W @ 700mA, Tj=85°C, 5700K
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. FLC: Constant light flux. DALI: Digital dimming interface DALI. ZHAGA: Socket 4 pin (ZHAGA Book 18).
Optical unit lifetime (Tq=25°C, 700mA)	>50.000hr 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

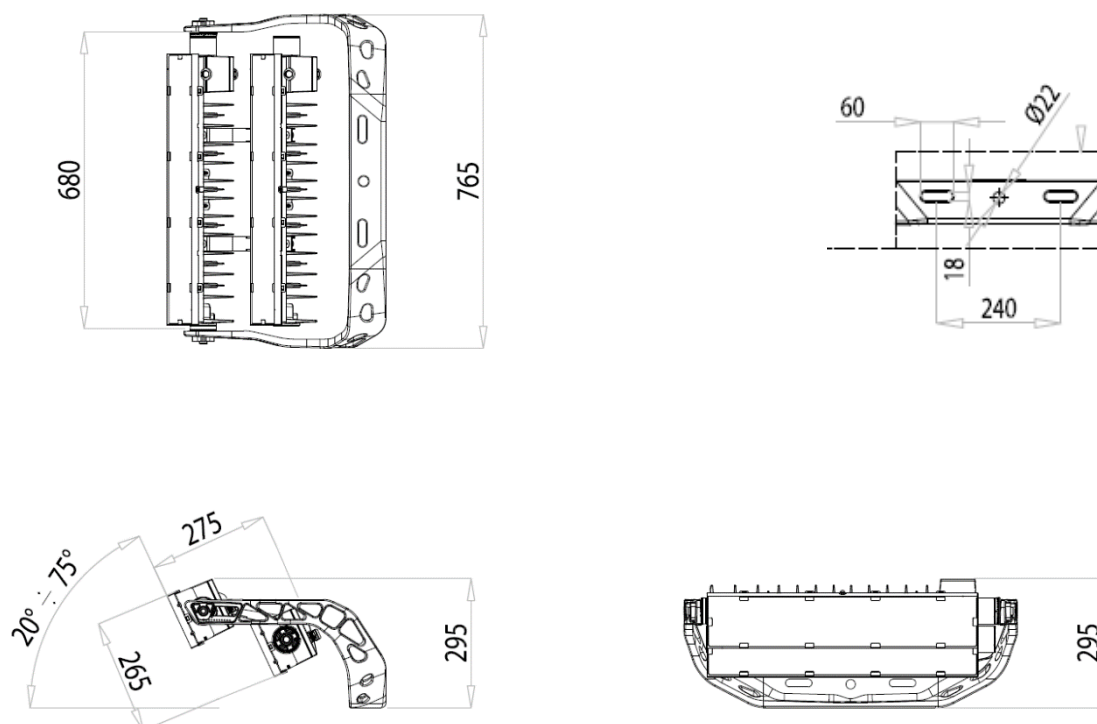
OPTIONAL

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

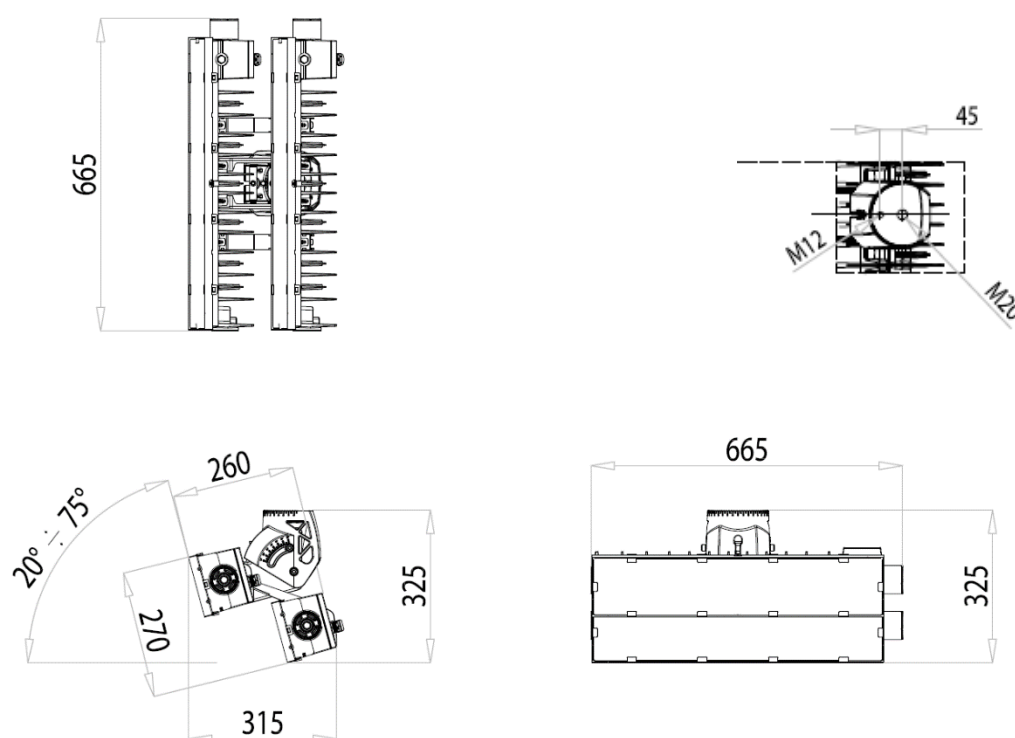
GREENLIGHT

DIMENSIONAL DRAWINGS

ALO with C bracket



ALO with MICROMOVER



ALO 2 2T12 SPORT LIGHTING – 7057 OT25

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 5700K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)
ALO 2 2T12 A25 7057.350-44M OT25	A25	350	82610	546	151
ALO 2 2T12 A25 7057.400-44M OT25	A25	400	92150	628	146
ALO 2 2T12 A25 7057.450-44M OT25	A25	450	101140	710	142
ALO 2 2T12 A25 7057.500-44M OT25	A25	500	109660	793	138
ALO 2 2T12 A25 7057.550-44M OT25	A25	550	117790	876	134
ALO 2 2T12 A25 7057.600-44M OT25	A25	600	125640	959	131
ALO 2 2T12 A25 7057.650-44M OT25	A25	650	133280	1040	128
ALO 2 2T12 A25 7057.675-44M OT25	A25	675	137060	1080	126
ALO 2 2T12 A25 7057.700-44M OT25	A25	700	140810	1120	125
ALO 2 2T12 A25 7057.350-44M ES OT25	A25	350	80130	546	146
ALO 2 2T12 A25 7057.400-44M ES OT25	A25	400	89390	628	142
ALO 2 2T12 A25 7057.450-44M ES OT25	A25	450	98110	710	138
ALO 2 2T12 A25 7057.500-44M ES OT25	A25	500	106370	793	134
ALO 2 2T12 A25 7057.550-44M ES OT25	A25	550	114260	876	130
ALO 2 2T12 A25 7057.600-44M ES OT25	A25	600	121870	959	127
ALO 2 2T12 A25 7057.650-44M ES OT25	A25	650	129280	1040	124
ALO 2 2T12 A25 7057.675-44M ES OT25	A25	675	132950	1080	123
ALO 2 2T12 A25 7057.700-44M ES OT25	A25	700	136590	1120	121
ALO 2 2T12 AM10 7057.350-44M OT25	AM10	350	78770	546	144
ALO 2 2T12 AM10 7057.400-44M OT25	AM10	400	87870	628	139
ALO 2 2T12 AM10 7057.450-44M OT25	AM10	450	96440	710	135
ALO 2 2T12 AM10 7057.500-44M OT25	AM10	500	104560	793	131
ALO 2 2T12 AM10 7057.550-44M OT25	AM10	550	112320	876	128
ALO 2 2T12 AM10 7057.600-44M OT25	AM10	600	119800	959	124

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 5700K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)
ALO 2 2T12 AM10 7057.650-44M OT25	AM10	650	127080	1040	122
ALO 2 2T12 AM10 7057.675-44M OT25	AM10	675	130680	1080	121
ALO 2 2T12 AM10 7057.700-44M OT25	AM10	700	134260	1120	119
ALO 2 2T12 AM10 7057.350-44M ES OT25	AM10	350	76410	546	139
ALO 2 2T12 AM10 7057.400-44M ES OT25	AM10	400	85230	628	135
ALO 2 2T12 AM10 7057.450-44M ES OT25	AM10	450	93550	710	131
ALO 2 2T12 AM10 7057.500-44M ES OT25	AM10	500	101420	793	127
ALO 2 2T12 AM10 7057.550-44M ES OT25	AM10	550	108950	876	124
ALO 2 2T12 AM10 7057.600-44M ES OT25	AM10	600	116210	959	121
ALO 2 2T12 AM10 7057.650-44M ES OT25	AM10	650	123270	1040	118
ALO 2 2T12 AM10 7057.675-44M ES OT25	AM10	675	126760	1080	117
ALO 2 2T12 AM10 7057.700-44M ES OT25	AM10	700	130230	1120	116
ALO 2 2T12 AN10 7057.350-44M OT25	AN10	350	82610	546	151
ALO 2 2T12 AN10 7057.400-44M OT25	AN10	400	92150	628	146
ALO 2 2T12 AN10 7057.450-44M OT25	AN10	450	101140	710	142
ALO 2 2T12 AN10 7057.500-44M OT25	AN10	500	109660	793	138
ALO 2 2T12 AN10 7057.550-44M OT25	AN10	550	117790	876	134
ALO 2 2T12 AN10 7057.600-44M OT25	AN10	600	125640	959	131
ALO 2 2T12 AN10 7057.650-44M OT25	AN10	650	133280	1040	128
ALO 2 2T12 AN10 7057.675-44M OT25	AN10	675	137060	1080	126
ALO 2 2T12 AN10 7057.700-44M OT25	AN10	700	140810	1120	125
ALO 2 2T12 AN10 7057.350-44M ES OT25	AN10	350	80130	546	146
ALO 2 2T12 AN10 7057.400-44M ES OT25	AN10	400	89390	628	142
ALO 2 2T12 AN10 7057.450-44M ES OT25	AN10	450	98110	710	138
ALO 2 2T12 AN10 7057.500-44M ES OT25	AN10	500	106370	793	134

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 5700K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)
ALO 2 2T12 AN10 7057.550-44M ES OT25	AN10	550	114260	876	130
ALO 2 2T12 AN10 7057.600-44M ES OT25	AN10	600	121870	959	127
ALO 2 2T12 AN10 7057.650-44M ES OT25	AN10	650	129280	1040	124
ALO 2 2T12 AN10 7057.675-44M ES OT25	AN10	675	132950	1080	123
ALO 2 2T12 AN10 7057.700-44M ES OT25	AN10	700	136590	1120	121
ALO 2 2T12 ASM 7057.350-44M OT25	ASM	350	82610	546	151
ALO 2 2T12 ASM 7057.400-44M OT25	ASM	400	92150	628	146
ALO 2 2T12 ASM 7057.450-44M OT25	ASM	450	101140	710	142
ALO 2 2T12 ASM 7057.500-44M OT25	ASM	500	109660	793	138
ALO 2 2T12 ASM 7057.550-44M OT25	ASM	550	117790	876	134
ALO 2 2T12 ASM 7057.600-44M OT25	ASM	600	125640	959	131
ALO 2 2T12 ASM 7057.650-44M OT25	ASM	650	133280	1040	128
ALO 2 2T12 ASM 7057.675-44M OT25	ASM	675	137060	1080	126
ALO 2 2T12 ASM 7057.700-44M OT25	ASM	700	140810	1120	125
ALO 2 2T12 ASM 7057.350-44M ES OT25	ASM	350	80130	546	146
ALO 2 2T12 ASM 7057.400-44M ES OT25	ASM	400	89390	628	142
ALO 2 2T12 ASM 7057.450-44M ES OT25	ASM	450	98110	710	138
ALO 2 2T12 ASM 7057.500-44M ES OT25	ASM	500	106370	793	134
ALO 2 2T12 ASM 7057.550-44M ES OT25	ASM	550	114260	876	130
ALO 2 2T12 ASM 7057.600-44M ES OT25	ASM	600	121870	959	127
ALO 2 2T12 ASM 7057.650-44M ES OT25	ASM	650	129280	1040	124
ALO 2 2T12 ASM 7057.675-44M ES OT25	ASM	675	132950	1080	123
ALO 2 2T12 ASM 7057.700-44M ES OT25	ASM	700	136590	1120	121
ALO 2 2T12 ASN 7057.350-44M OT25	ASN	350	82610	546	151
ALO 2 2T12 ASN 7057.400-44M OT25	ASN	400	92150	628	146

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ALO 2 2T12 ASN 7057.450-44M OT25	ASN	450	101140	710	142
ALO 2 2T12 ASN 7057.500-44M OT25	ASN	500	109660	793	138
ALO 2 2T12 ASN 7057.550-44M OT25	ASN	550	117790	876	134
ALO 2 2T12 ASN 7057.600-44M OT25	ASN	600	125640	959	131
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ALO 2 2T12 ASN 7057.675-44M OT25	ASN	675	137060	1080	126
ALO 2 2T12 ASN 7057.700-44M OT25	ASN	700	140810	1120	125
ALO 2 2T12 ASN 7057.350-44M ES OT25	ASN	350	80130	546	146
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ALO 2 2T12 ASN 7057.500-44M ES OT25	ASN	500	106370	793	134
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ALO 2 2T12 ASN 7057.675-44M ES OT25	ASN	675	132950	1080	123
ALO 2 2T12 ASN 7057.700-44M ES OT25	ASN	700	136590	1120	121
ALO 2 2T12 ASW 7057.350-44M OT25	ASW	350	82610	546	151
ALO 2 2T12 ASW 7057.400-44M OT25	ASW	400	92150	628	146
ALO 2 2T12 ASW 7057.450-44M OT25	ASW	450	101140	710	142
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ALO 2 2T12 ASW 7057.400-44M ES OT25	ASW	400	89390	628	142
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ALO 2 2T12 ASW 7057.650-44M ES OT25	ASW	650	129280	1040	124
ALO 2 2T12 ASW 7057.675-44M ES OT25	ASW	675	132950	1080	123
ALO 2 2T12 ASW 7057.700-44M ES OT25	ASW	700	136590	1120	121
ALO 2 2T12 AW10 7057.350-44M OT25	AW10	350	78770	546	144
ALO 2 2T12 AW10 7057.400-44M OT25	AW10	400	87870	628	139
ALO 2 2T12 AW10 7057.450-44M OT25	AW10	450	96440	710	135
ALO 2 2T12 AW10 7057.500-44M OT25	AW10	500	104560	793	131
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ALO 2 2T12 AW10 7057.600-44M ES OT25	AW10	600	116210	959	121
ALO 2 2T12 AW10 7057.650-44M ES OT25	AW10	650	123270	1040	118

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ALO 2 2T12 AW10 7057.675-44M ES OT25	AW10	675	126760	1080	117
ALO 2 2T12 AW10 7057.700-44M ES OT25	AW10	700	130230	1120	116
ALO 2 2T12 BAC 7057.350-44M OT25	BAC	350	78770	546	144
ALO 2 2T12 BAC 7057.400-44M OT25	BAC	400	87870	628	139
ALO 2 2T12 BAC 7057.450-44M OT25	BAC	450	96440	710	135
ALO 2 2T12 BAC 7057.500-44M OT25	BAC	500	104560	793	131
ALO 2 2T12 BAC 7057.550-44M OT25	BAC	550	112320	876	128
ALO 2 2T12 BAC 7057.600-44M OT25	BAC	600	119800	959	124
ALO 2 2T12 BAC 7057.650-44M OT25	BAC	650	127080	1040	122
ALO 2 2T12 BAC 7057.675-44M OT25	BAC	675	130680	1080	121
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ALO 2 2T12 BAC 7057.450-44M ES OT25	BAC	450	93550	710	131
ALO 2 2T12 BAC 7057.500-44M ES OT25	BAC	500	101420	793	127
ALO 2 2T12 BAC 7057.550-44M ES OT25	BAC	550	108950	876	124
ALO 2 2T12 BAC 7057.600-44M ES OT25	BAC	600	116210	959	121
ALO 2 2T12 BAC 7057.650-44M ES OT25	BAC	650	123270	1040	118
ALO 2 2T12 BAC 7057.675-44M ES OT25	BAC	675	126760	1080	117
ALO 2 2T12 BAC 7057.700-44M ES OT25	BAC	700	130230	1120	116
ALO 2 2T12 BAL 7057.350-44M OT25	BAL	350	79730	546	146
ALO 2 2T12 BAL 7057.400-44M OT25	BAL	400	88940	628	141
ALO 2 2T12 BAL 7057.450-44M OT25	BAL	450	97610	710	137
ALO 2 2T12 BAL 7057.500-44M OT25	BAL	500	105830	793	133
ALO 2 2T12 BAL 7057.550-44M OT25	BAL	550	113690	876	129

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ALO 2 2T12 BAL 7057.600-44M OT25	BAL	600	121260	959	126
ALO 2 2T12 BAL 7057.650-44M OT25	BAL	650	128640	1040	123
ALO 2 2T12 BAL 7057.675-44M OT25	BAL	675	132280	1080	122
ALO 2 2T12 BAL 7057.700-44M OT25	BAL	700	135900	1120	121
ALO 2 2T12 BAL 7057.350-44M ES OT25	BAL	350	77340	546	141
ALO 2 2T12 BAL 7057.400-44M ES OT25	BAL	400	86270	628	137
ALO 2 2T12 BAL 7057.450-44M ES OT25	BAL	450	94680	710	133
ALO 2 2T12 BAL 7057.500-44M ES OT25	BAL	500	102660	793	129
ALO 2 2T12 BAL 7057.550-44M ES OT25	BAL	550	110280	876	125
ALO 2 2T12 BAL 7057.600-44M ES OT25	BAL	600	117620	959	122
ALO 2 2T12 BAL 7057.650-44M ES OT25	BAL	650	124780	1040	119
ALO 2 2T12 BAL 7057.675-44M ES OT25	BAL	675	128310	1080	118
ALO 2 2T12 BAL 7057.700-44M ES OT25	BAL	700	131820	1120	117
ALO 2 2T12 BAR 7057.350-44M OT25	BAR	350	79730	546	146
ALO 2 2T12 BAR 7057.400-44M OT25	BAR	400	88940	628	141
ALO 2 2T12 BAR 7057.450-44M OT25	BAR	450	97610	710	137
ALO 2 2T12 BAR 7057.500-44M OT25	BAR	500	105830	793	133
ALO 2 2T12 BAR 7057.550-44M OT25	BAR	550	113690	876	129
ALO 2 2T12 BAR 7057.600-44M OT25	BAR	600	121260	959	126
ALO 2 2T12 BAR 7057.650-44M OT25	BAR	650	128640	1040	123
ALO 2 2T12 BAR 7057.675-44M OT25	BAR	675	132280	1080	122
ALO 2 2T12 BAR 7057.700-44M OT25	BAR	700	135900	1120	121
ALO 2 2T12 BAR 7057.350-44M ES OT25	BAR	350	77340	546	141
ALO 2 2T12 BAR 7057.400-44M ES OT25	BAR	400	86270	628	137
ALO 2 2T12 BAR 7057.450-44M ES OT25	BAR	450	94680	710	133

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ALO 2 2T12 BAR 7057.500-44M ES OT25	BAR	500	102660	793	129
ALO 2 2T12 BAR 7057.550-44M ES OT25	BAR	550	110280	876	125
ALO 2 2T12 BAR 7057.600-44M ES OT25	BAR	600	117620	959	122
ALO 2 2T12 BAR 7057.650-44M ES OT25	BAR	650	124780	1040	119
ALO 2 2T12 BAR 7057.675-44M ES OT25	BAR	675	128310	1080	118
ALO 2 2T12 BAR 7057.700-44M ES OT25	BAR	700	131820	1120	117
ALO 2 2T12 SP15 7057.350-44M OT25	SP15	350	85490	546	156
ALO 2 2T12 SP15 7057.400-44M OT25	SP15	400	95370	628	151
ALO 2 2T12 SP15 7057.450-44M OT25	SP15	450	104660	710	147
ALO 2 2T12 SP15 7057.500-44M OT25	SP15	500	113480	793	143
ALO 2 2T12 SP15 7057.550-44M OT25	SP15	550	121900	876	139
ALO 2 2T12 SP15 7057.600-44M OT25	SP15	600	130020	959	135
ALO 2 2T12 SP15 7057.650-44M OT25	SP15	650	137930	1040	132
ALO 2 2T12 SP15 7057.675-44M OT25	SP15	675	141830	1080	131
ALO 2 2T12 SP15 7057.700-44M OT25	SP15	700	145720	1120	130
ALO 2 2T12 SP25 7057.350-44M OT25	SP25	350	85490	546	156
ALO 2 2T12 SP25 7057.400-44M OT25	SP25	400	95370	628	151
ALO 2 2T12 SP25 7057.450-44M OT25	SP25	450	104660	710	147
ALO 2 2T12 SP25 7057.500-44M OT25	SP25	500	113480	793	143
ALO 2 2T12 SP25 7057.550-44M OT25	SP25	550	121900	876	139
ALO 2 2T12 SP25 7057.600-44M OT25	SP25	600	130020	959	135
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ALO 2 2T12 SP25 7057.675-44M OT25	SP25	675	141830	1080	131
ALO 2 2T12 SP25 7057.700-44M OT25	SP25	700	145720	1120	130
ALO 2 2T12 SP40 7057.350-44M OT25	SP40	350	85490	546	156

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 5700K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)
ALO 2 2T12 SP40 7057.400-44M OT25	SP40	400	95370	628	151
ALO 2 2T12 SP40 7057.450-44M OT25	SP40	450	104660	710	147
ALO 2 2T12 SP40 7057.500-44M OT25	SP40	500	113480	793	143
ALO 2 2T12 SP40 7057.550-44M OT25	SP40	550	121900	876	139
ALO 2 2T12 SP40 7057.600-44M OT25	SP40	600	130020	959	135
ALO 2 2T12 SP40 7057.650-44M OT25	SP40	650	137930	1040	132
ALO 2 2T12 SP40 7057.675-44M OT25	SP40	675	141830	1080	131
ALO 2 2T12 SP40 7057.700-44M OT25	SP40	700	145720	1120	130

**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: ±7%. Power tolerance: ±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
	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

SPORT LIGHTING - OUTDOOR								
Temperature (°C)	OT15	OT20	OT25	OT30	OT35	OT40	OT45	OT50
Max. Current (mA)	700	700	700	675	650	600	550	500

SPORT LIGHTING - INDOOR						
Temperature (°C)	OT25	OT30	OT35	OT40	OT45	OT50
Max. Current (mA)	675	650	600	550	500	450