ALTIS LED
High power LED floodlight for sports and area lighting applications
OUTSTANDING PERFORMANCE
IN SPORTS AND AREA LIGHTING

BEST-IN-CLASS LIGHT QUALITY
Altis LED is specifically designed to provide top-quality illumination for sports and area lighting. The luminaire scores 95+ on the TLCI scale used by broadcasters to evaluate lighting for television. And with flicker of less than 1%, Altis LED enables super-slow-motion replays up to 1000 fps with no visible flicker.

OPTICAL FLEXIBILITY
Altis LED’s flexible optical system enables various combinations and configurations, minimising the number of luminaires needed in an installation.

MODULAR CONSTRUCTION
With the possibility to not only mix different optics, but also to tilt each single LED module (±60°), means that Altis LED can optimize the lighting design process.

HIGH PERFORMANCE
Compact driver installed in every condition (back of the luminaire up to 200 m remotely), providing the highest performance for all installations, no matter if it is a first tier stadium, a recreational field or an area. Improved lifetime compared to conventional light sources, offers an attractive retrofit solution.

APPLICATIONS
- STADIUM & ARENAS
- RECREATIONAL SPORTS
- MULTISPORTS HALLS
- SWIMMING POOLS
- COASTAL AREAS
- AIRPORTS
**TECHNICAL DATA**

### WINDAGE AREA (Scx)
- 3 LED modules: 0.158 at 0° / 0.187 at 15° / 0.239 at 45° / 0.446 at 60°
- 2 LED modules: 0.07 at 0° / 0.10 at 15° / 0.20 at 45° / 0.27 at 60°
- 1 LED module: 0.07 at 0° / 0.08 at 15° / 0.09 at 45° / 0.13 at 60°

These data refer to the worst case at the indicated angle. Please consider that tilting the frame or the LED module could have a huge impact in the value of the Windage Area.

### CONTROLS
- Autonomous dimming, DALI v2, RDM DMX

### MATERIALS AND FINISH

#### HEATSINK, FRAME & MOUNTING BRACKET:
- Die-cast aluminium, powder coated dark sandy grey (close to RAL 7043)

#### COVER & OPTICS:
- 5mm extra clear glass with anti-reflection
- Coating / PC optic

### INSTALLATION & MOUNTING

#### LUMINAIRE:
- Roof or mast head frame or indoor catwalk
- Mounting brackets available for different fixing points
- Tilting of the LED modules ± 60° in addition to tilting of the luminaire itself
- LED modules are pre-wired to a junction box (3 and 2 LED modules) to be placed on the side frame or on the bracket while for 1 LED module a separate junction box, is supplied to allow the connection according to the installation needs

#### GEAR BOX:
- The gear box IP66 can be placed in the back of the bracket or remotely up to 200 m away and can be installed in indoor/outdoor open air installations, inside distribution board, electrical room or the mast
- The gear box is equipped with different types of cable glands e.g. for mains, connection to LED modules and control lines IN/OUT

### LIGHTING PERFORMANCES

#### ASYMMETRICAL LIGHT DISTRIBUTIONS

<table>
<thead>
<tr>
<th></th>
<th>NARROW BEAM</th>
<th>MEDIUM BEAM</th>
<th>WIDE BEAM</th>
<th>A4</th>
<th>A5</th>
<th>A6</th>
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</thead>
<tbody>
<tr>
<td>3 LED Modules</td>
<td>UP TO 176 000 LM</td>
<td>UP TO 175 000 LM</td>
<td>UP TO 171 000 LM</td>
<td>UP TO 172 000 LM</td>
<td>UP TO 166 000 LM</td>
<td>UP TO 162 000 LM</td>
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<tr>
<td>2 LED Modules</td>
<td>UP TO 117 000 LM</td>
<td>UP TO 116 000 LM</td>
<td>UP TO 114 000 LM</td>
<td>UP TO 115 000 LM</td>
<td>UP TO 110 000 LM</td>
<td>UP TO 108 000 LM</td>
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<tr>
<td>1 LED Modules</td>
<td>UP TO 59 000 LM</td>
<td>UP TO 58 000 LM</td>
<td>UP TO 57 000 LM</td>
<td>UP TO 57 000 LM</td>
<td>UP TO 55 000 LM</td>
<td>UP TO 54 000 LM</td>
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#### SYMMETRICAL LIGHT DISTRIBUTIONS

- **NARROW BEAM (NB)**
- **MEDIUM BEAM (MB)**
- **WIDE BEAM (WB)**

### A MODULAR CONSTRUCTION WITH HIGH FLEXIBILITY

- 3 LED MODULES
- 2 LED MODULES
- 1 LED MODULE
- ROTATION OPTIONS

*Data refers to System Level.*
## CONFIGURATION GUIDE

### LUMINAIRE

<table>
<thead>
<tr>
<th>Range</th>
<th>LED</th>
<th>Optic</th>
<th>CCT/CRI</th>
<th>TE</th>
<th>Colour</th>
<th>Wiring</th>
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<td>SWP</td>
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<td>XXX</td>
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- **Range LED Optic CCT/CRI TE Colour Wiring**
- SWP (RAL xxM on request)
- SWP (for installation in swimming pools)
- Tough environment (Sea shore (< 5 km), Contact with de-icing salt)

- 740  CRI 70 – 4000 K
- 757  CRI 70 – 5700 K
- 857  CRI 80 – 5700 K
- 957-TB6 CRI 90 – 5700 K | TLCI 86+ (TLCI > 90)
- 957-T90 CRI 90 – 5700 K | TLCI > 90
- XXX Other CCT/CRI combinations on request

- **NB** Narrow Beam
- **MB** Medium Beam
- **WB** Wide Beam
- **A4** Asymmetric 40°
- **A5** Asymmetric 50°
- **A6** Asymmetric 60°
- **MIX** Mix of optics on request

**396L** 396 LEDs (3 LED Modules)
**264L** 264 LEDs (2 LED Modules)
**132L** 132 LEDs (1 LED Module)

### GEAR BOX

<table>
<thead>
<tr>
<th>Range</th>
<th>LED</th>
<th>mA</th>
<th>DA</th>
<th>DALI</th>
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- **Range LED mA DALI**
- DALI and Autonomous Dimming
- RDM DMX

- **396L** 396 LEDs (3 LED Modules)
- **264L** 264 LEDs (2 LED Modules)

**ALTISLED3** Altis LED Gen 3

**ALTISLED3 GB** Altis LED Gen 3 Gear Box

*The ambient temperature and the power rating have an influence on the useful lifetime of the luminaire.

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**THORN LIGHTING**

As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.

THORNLIGHTING.COM/GUARANTEE

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Publication No. 76644386 (INT) Publication Date: 11/18

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