

# Datasheet

## AMNIS Flood



### Specification Text

The luminaire shall be manufactured from high pressure die-cast aluminium. It shall have an LED efficacy of up to 150 luminaire lm/W and will be capable of producing up to 188,662 luminaire lumens at 4000K with a CRI >70. It shall have an asymmetric narrow throw optic and is rated at IP66 and IK08.

### Specification

#### Weights:

|                              |         |
|------------------------------|---------|
| Fitting with Seperate Driver | 28.6 kg |
| Fitting only:                |         |
| Driver only :                | 6.2 kg  |
| Fitting with Integral Driver |         |
| Fitting & integral driver:   | 32.4 kg |

|                  |  |
|------------------|--|
| Windage:         | 0.10m <sup>2</sup>                     |
| Material:        | Die-cast Aluminium                     |
| Paint Finish:    | Anthracite Grey<br>Marine Grade Finish |
| Embodied Carbon: | 414 - 743 kg CO <sub>2</sub> e         |

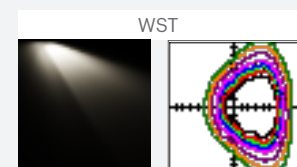
### Product Description

Designed and engineered in the UK, this powerful flood offers the perfect balance of performance and efficiency. Using reflector technology and tier one components, AMNIS Series ensures excellent uniformity and a glare free distribution, giving pitch perfect results.

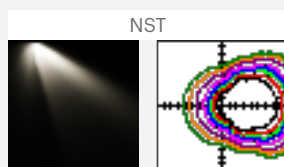
### Key Features

- 900.0W - 1300.0W
- 95,927 - 188,662 Luminaire Lumens
- Efficacy of up to 145 lm/W
- ULOR 0%
- 2700K, 4000K & 5000K, CRI >70 & >80
- IP66, IK08
- Lifetime 100,000hrs, L85, B10 @ 25°C
- Low Windage Profile
- 5° Built in Hood
- Operating Temperature Range -20°C to +40°C
- Low Maintenance Costs
- Flicker Free/ HDTV Ready

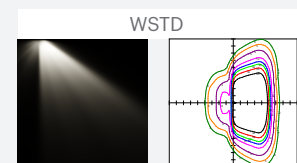
### Optics



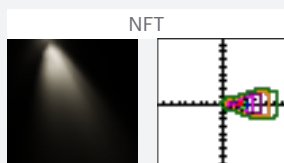
**Wide Short Throw**  
Perfect for wider areas, distributes the light outwards increasing spacings



**Narrow Short Throw**  
Narrow beam throws light futher forward



**Wide Short Throw Downward**  
A wide beam with a low peak for direct lighting to pitch edge



**Narrow Far Throw**  
Throws light forward at a greater distance with a narrow intensity

|                      |                  |                    |     |                    |                     |  |
|----------------------|------------------|--------------------|-----|--------------------|---------------------|--|
| IP66                 | IK08             | Anti-glare         | DIM | Colour Temperature | Marine Grade Finish |  |
| 100,000 hrs LIFETIME | 5 YEARS WARRANTY | Control Compatible |     |                    |                     |  |



| Circular Economy Score |   |
|------------------------|---|
| 0 to 0.5               | Very poor circular economy performance        |
| 0.5 to 1.5             | Some circular economy functionality           |
| 1.5 to 2.5             | Definite/ substantial progress to circularity |
| 2.5 to 4.0             | Excellent circularity                         |

## Other Options Available

Contact for further details

- Tailored Control Packages
- DMX Lighting Shows
- Photocells
- External Spill Shields
- Bespoke Bracketry

## Mounting Options

- Stirrup Mounted

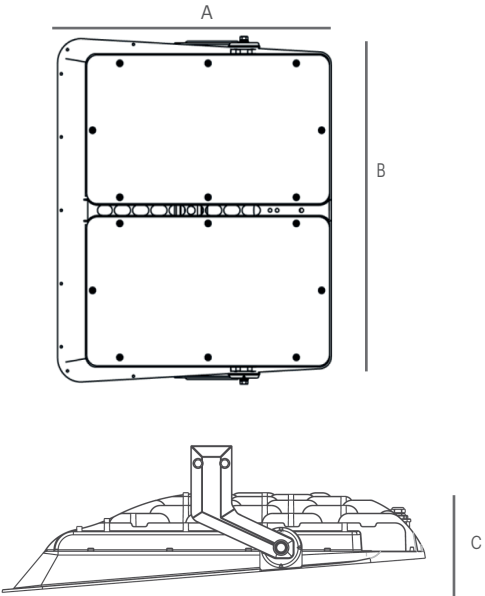


## Dimensions

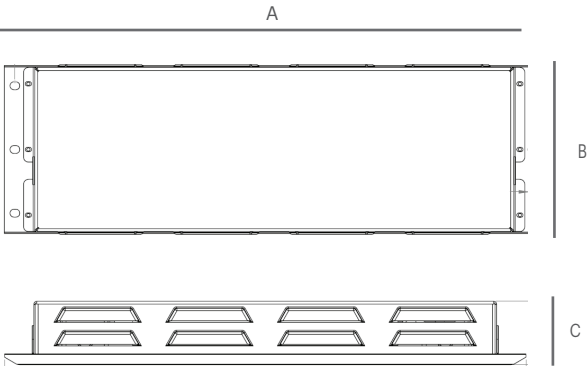
| Body Size | A   | B   | C    |
|-----------|-----|-----|------|
| Body      | 841 | 698 | 153  |
| Driver    | 538 | 174 | 67.5 |

All measurements in mm

### Body



### Separate Driver



AMNIS Flood

| Code                          | Power<br>W | Luminaire<br>Lumens | Drive<br>Current<br>mA | Inrush<br>Current<br>A pk | Optic                                 | CCT<br>(K) | CRI | IP   | IK   | Weight<br>(kg) |         |        |
|-------------------------------|------------|---------------------|------------------------|---------------------------|---------------------------------------|------------|-----|------|------|----------------|---------|--------|
| AMNIS Flood (Separate Driver) |            |                     |                        |                           |                                       |            |     |      |      | Total          | Fitting | Driver |
| LAF-WST-740-1300D-03          | 1,300.0    | 188,662             | 5250                   | 13.4                      | Wide Short Throw                      | 4000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NST-740-1300D-03          | 1,300.0    | 176,603             | 5250                   | 13.4                      | Narrow Short Throw                    | 4000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-WSTB-740-1300D-03         | 1,300.0    | 155,542             | 5250                   | 13.4                      | Wide Short Throw<br>c/w back shield   | 4000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NSTB-740-1300D-03         | 1,300.0    | 138,921             | 5250                   | 13.4                      | Narrow Short Throw<br>c/w back shield | 4000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NFT-740-1300D-03          | 1,300.0    | 186,716             | 5250                   | 13.4                      | Narrow Far Throw                      | 4000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-WST-750-1300D-03          | 1,243.0    | 183,040             | 5250                   | 13.4                      | Wide Short Throw                      | 5000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NST-750-1300D-03          | 1,243.0    | 173,781             | 5250                   | 13.4                      | Narrow Short Throw                    | 5000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NFT-750-1300D-03          | 1,243.0    | 184,798             | 5250                   | 13.4                      | Narrow Far Throw                      | 5000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-WST-850-1300D-03          | 1,250.0    | 170,463             | 5250                   | 13.4                      | Wide Short Throw                      | 5000       | >80 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NST-850-1300D-03          | 1,250.0    | 161,360             | 5250                   | 13.4                      | Narrow Short Throw                    | 5000       | >80 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-NFT-850-1300D-03          | 1,251.0    | 173,044             | 5250                   | 13.4                      | Narrow Far Throw                      | 5000       | >80 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-WSTD-740-1300D-03         | 1,264.0    | 174,686             | 5250                   | 13.4                      | Wide Short Throw Downward             | 4000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-WSTD-750-1300D-03         | 1,264.0    | 180,051             | 5250                   | 13.4                      | Wide Short Throw Downward             | 5000       | >70 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| LAF-WSTD-850-1300D-03         | 1,264.0    | 167,447             | 5250                   | 13.4                      | Wide Short Throw Downward             | 5000       | >80 | IP66 | IK08 | 34.8           | 28.6    | 6.2    |
| AMNIS Flood (Integral Driver) |            |                     |                        |                           |                                       |            |     |      |      | Total          | Fitting | Driver |
| LAF-WST-740-900ID-03          | 900.0      | 130,585             | 914                    | 232.0                     | Wide Short Throw                      | 4000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-NST-740-900ID-03          | 900.0      | 123,604             | 914                    | 232.0                     | Narrow Short Throw                    | 4000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-WSTB-740-900ID-03         | 900.0      | 112,525             | 914                    | 232.0                     | Wide Short Throw<br>c/w back shield   | 4000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-NSTB-740-900ID-03         | 900.0      | 95,927              | 914                    | 232.0                     | Narrow Short Throw<br>c/w back shield | 4000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-NFT-740-900ID-03          | 900.0      | 130,689             | 914                    | 232.0                     | Narrow Far Throw                      | 4000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-WST-750-900ID-03          | 902.0      | 134,992             | 914                    | 232.0                     | Wide Short Throw                      | 5000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-NST-750-900ID-03          | 902.0      | 125,114             | 914                    | 232.0                     | Narrow Short Throw                    | 5000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-WSTD-740-900ID-03         | 900.0      | 122,001             | 914                    | 232.0                     | Wide Short Throw Downward             | 4000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-WSTD-750-900ID-03         | 900.0      | 125,748             | 914                    | 232.0                     | Wide Short Throw Downward             | 5000       | >70 | IP66 | IK08 | 32.4           | -       | -      |
| LAF-WSTD-850-900ID-03         | 900.0      | 116,946             | 914                    | 232.0                     | Wide Short Throw Downward             | 5000       | >80 | IP66 | IK08 | 32.4           | -       | -      |