



# LED Harbour Lighting Harsh environment LLF0011A/Marine terminal lighting

LED harbour lights that were built to withstand harsh environments including sea air. Due to these requirements, passing a certification test for performance and quality conducted by an independent organization, Class NK, a well known classification authority in for marine applications, was critical.



### ■ Future

- First LED lighting used for harbours to be approved by Class UK
- 60m/s wind resistance
- Heavy anti salinity coating
- UV and shock resistant PC resin exterior cover
- Long Life : 60,000hr (70% lumen maintenance factor)
- Dustproof/Waterproof : IP66

### ■ Applications

- Container/RoRo terminal lighting (High-mast lights)
- Apron floodlighting for Airport
- Car park (High-mast lights)

### ■ Technical Data

Type:	LLF0011A/Floodlight		Condition
Luminous Flux:	39,000lm	37,000lm	AC 220V
Lens:	70° Wide	18° Narrow	
Power Consumption:	340W		
Color Temperature:	5000K		
Color Rendering	Ra70		
Input Voltage:	AC200-240V		
Frequency:	50/60Hz		
Main Body:	Aluminum		
Outer Lens:	PC with Anti-UV & Hard cortig		
Exterior Painting:	Heavy-Duty Salt-Reistant Paint		
Mount Type:	Adjustable		
Opetating Temperature:	-20°C - +40°C		
Rated Life (L70):	50,000 h		
IP Rate:	IP66 (LED Driver: IP67)		
Surge Protection:	4KV (Normal mode), 15KV (Common mode)		
LED Driver:	Built-in		
Safety Certification:	PSE, CE, Class NK		

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