



UNIVERSAL

The brighter & soothing floodlighting...

- ThermalSafe®
- GlareSafe®
- TightSafe®
- Smart Intelligent System *touch*™
- Future Proof
- Anti Drop System

The Universal Flood Lighting luminaires are powered by the Gruppe Crystal OpticLED™ platform, and featuring innovative thermal management design, offers exceptional performance and value. With the special beam profile and uniform photometric distribution, this LED lighting series achieves high optical efficiency with state-of-the-art technology to boost up overall system efficiency. It is perfectly suitable for outdoor flood lighting applications. With proprietary patented thermal management design to ensure low LED junction temperature, while maintaining the extremely light weight, this LED lighting series has become the unique product available in the professional outdoor lighting market

Using state-of-the-art technology, Universal luminaires have been designed to fulfil the FutureProof concept. The photometric engine is IP 66 sealed to protect the LEDs and lenses from coming into contact with the outside environment and so maintain photometric performance over time. The photometry engine and gear compartment can easily be removed (plug & play system), allowing real on-site maintenance and future upgrading technology development. This easy and rapid procedure reduces maintenance costs and contributes to reducing the total cost of ownership. The luminaire is equipped with knife switch safety feature to cut off the power supply when open the device.

Application

Highmast, sports, underpass, tunnel, security, port, airport, facade and industrial. Architectural and landscape.

Features

- High pressure die cast aluminium alloy housing.
- Corrosion resistant.
- Finished with polyester powder paint.
- Standard colour grey.
- Bracket made of galvanized steel painted in grey color.
- Standard color grey.
- Easy replacement of the electronic driver system by removing the gear compartment (Plug & Play system)
- Anti-aging silicone rubber gasket.
- Clear tempered glass protector.
- Stainless steel screws.
- Operating temperature (Ta) -25°C ~ 50°C.
- Salt spray tested (ISO 9227:2012)
- Anti vibration up to 5G
- Anti vibration available upon request.
- Dimming and smart lighting system available upon request.

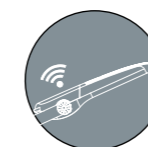
Characteristic

| | | |
|--|---|---|
| Light source | : | High power LED |
| Optical | : | PC lens modules Multiple beams Anti glare reflector |
| Power correction factor | : | > 0.9 |
| Insulation | : | Class 1 |
| Compliance | : | IEC 60598-1 IEC 60598-2-5 |
| Ingress Protection (IP) | : | IP 66 |
| Protection against surge (SPD) | : | 10KA ~ 20 KA |
| Colour rendering (CRI) | : | ≥ 70 |
| Colour temperature (CCT) | : | 3000K ~ 6000K |
| Other CCT & CRI available upon request | | |
| Weight | : | 8.2kg ~19.4kg |

Option : Remote Control System & Smart Intelligent System available upon request



IOT Ready



Energy Saving with remote control system



Network for smart intelligent system

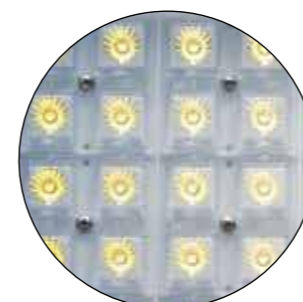
RGB Colour



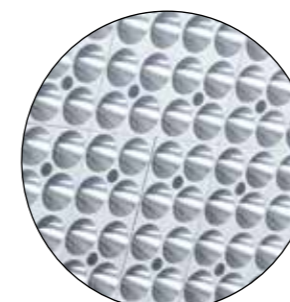
Robust, Slim Sleek design



GlareSafe® Multiple lens

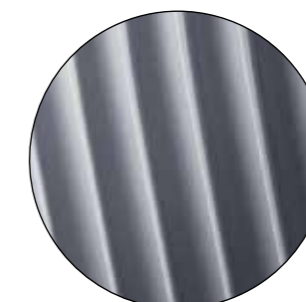


Lens

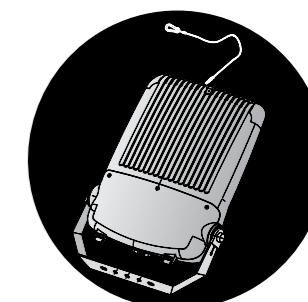


Anti Glare Reflector

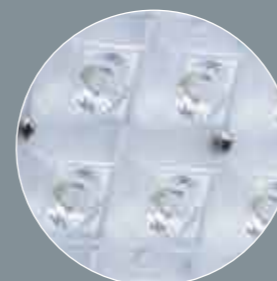
ThermalSafe® Thermal system



Anti Drop System



Detachable gear compartment



High Power LED



Adjustable Angle



Back Opening



Easy Maintenance Plug & Play



Safety Hook



Safety Knife Switch



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The luminaires various sizes and its photometric versatility makes it perfectly suited to highmast, sports, underpass, tunnel, security, port, airport, facade and industrial lighting.

Specification

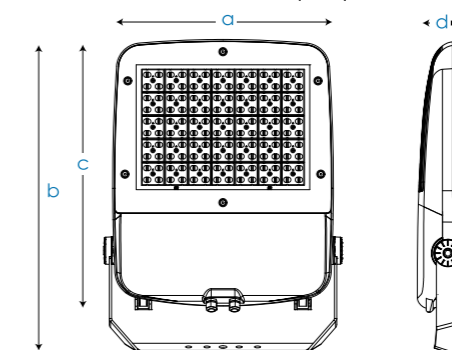
| | |
|----------------------------------|---|
| Type | Universal series |
| Light source | Integral LED-module |
| Wattage | 100W ~ 480W |
| Nominal efficacy | 110 ~ 135 lm/W |
| Color temperature (CCT) | 3000K ~ 6000K |
| Color rendering Index (CRI) | ≥ 70. <i>Other CRI available upon request (≥ 80, ≥ 90)</i> |
| Useful life | 50,000 hours ~ <i>Base on the light source</i> |
| Operating temperature range (Ta) | -25°C ~ 50°C |
| Driver | Built-in electronic system |
| Main voltage | 100~277V / 50~60Hz |
| Options | Dimming system, Nema (7 Pin) RGB |
| Optical lens photometry | T1, T2A, T3A, T4A, T3, T4, T25, T60 <i>* Refer to the Lens application page</i> |
| Material | Housing : high pressure die-cast aluminium alloy Protector : Clear tempered flat glass Finishing : Polyester powder paint |
| Color | Grey Other RAL colors available on request |
| Maintenance | Easy access from the back. Replacement of the electronic system by removing the back cover with "plug and play system" |
| Installation | Recommended mounting height : 10m, 20m & 30m |

Ordering Code Dimensions

| Code | Wattage | Leds | Nominal Flux | a | b | c | d |
|----------|---------|------|--------------|-----|-----|-----|-----|
| UNI10050 | 100W | 32 | 12000 | 386 | 488 | 416 | 81 |
| UNI12050 | 120W | 36 | 14400 | 386 | 488 | 416 | 81 |
| UNI15050 | 150W | 48 | 18000 | 386 | 488 | 416 | 81 |
| UNI18050 | 180W | 56 | 21600 | 461 | 594 | 508 | 94 |
| UNI24050 | 240W | 76 | 28800 | 461 | 594 | 508 | 94 |
| UNI30050 | 300W | 96 | 36000 | 461 | 594 | 508 | 94 |
| UNI32050 | 320W | 100 | 38400 | 560 | 730 | 660 | 108 |
| UNI42050 | 420W | 132 | 50400 | 560 | 730 | 660 | 108 |
| UNI48050 | 480W | 148 | 57600 | 560 | 730 | 660 | 108 |

* The above ordering code is base on CCT~5000K

Dimensions (mm)



Photometry ~ 300W

