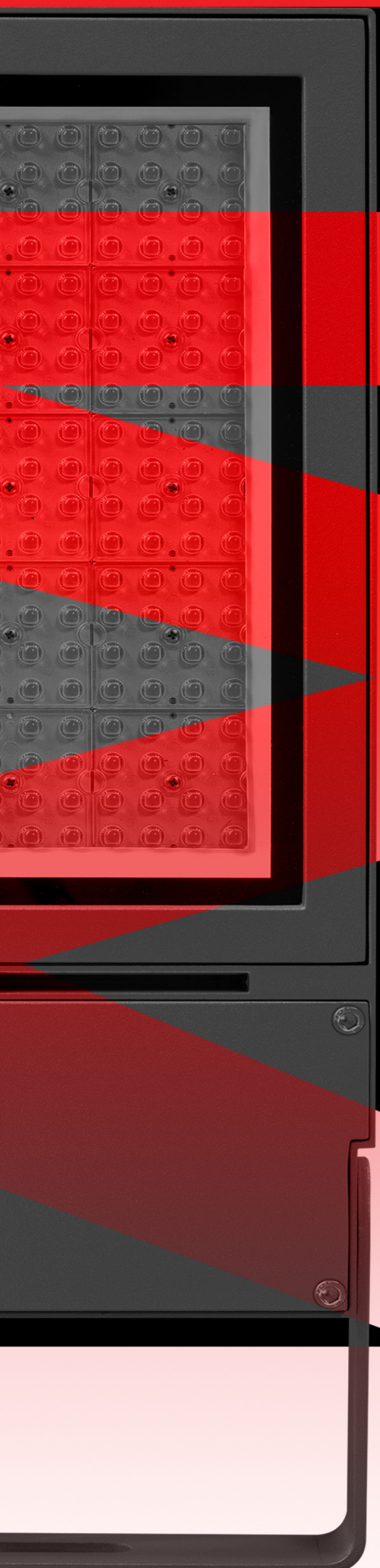
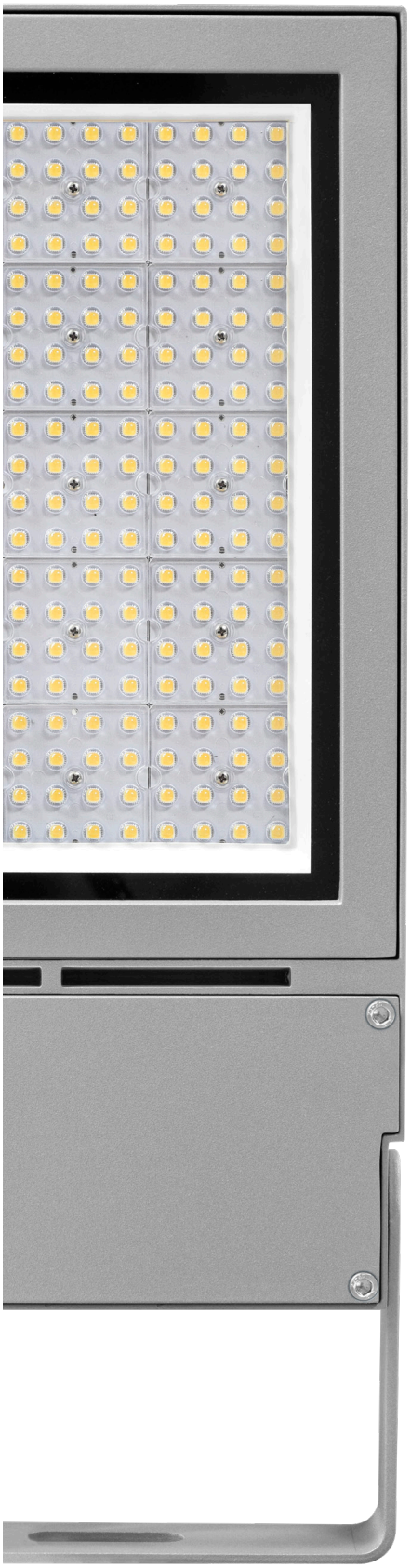


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# **Outdoor -** Floodlights
# KYH



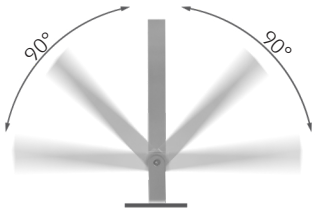
Areas of Usages:

- Airports
- Industrial areas
- Harbors
- Sports facilities
- Roundabouts and motorway junctions

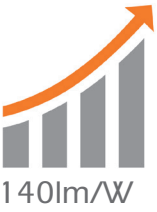
Floodlights have a thin and elegant structure. Despite this structure, it provides an excellent thermal management. Aluminum housing projectors are designed to provide the best cooling in all weather conditions and ambient temperatures. The multiple cooling channels used play an important role in this.



Floodlights are easily directed from the location to the desired surface. Floodlights can move up or down 90° depending on the location of the mounted location. The foot structure provides a solid assembly in all ambient conditions.



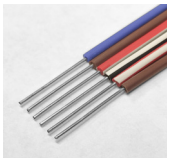

In the production of luminaires, the correct selection of parts such as Led, driver, PCB and the thermal design of the luminaire must be paid attention to. The life and efficiency of a correctly designed luminaire is positively affected.




Silicone gaskets are used to seal KYH projectors with IP65 protection class. These gaskets are tightened with stainless bolts between the body and front frame. IP67 glands are used in cable entries.



All cables used in luminaires are tin-plated copper.

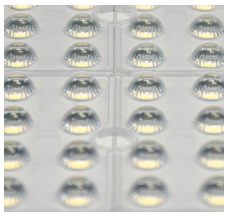


# **Outdoor -** Floodlights
# KYH

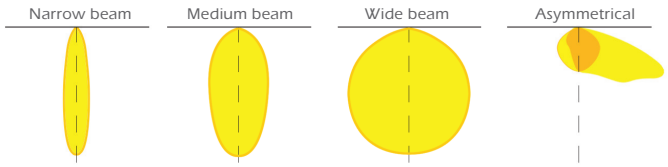


KYH projectors are produced in 3 different sizes and each with different power. Luminaires are equipped with optical elements that can meet a wide range of lighting needs. It can provide sufficient power and different color temperature in area lighting, facade lighting and many usage areas.Luminaires are aluminum body. It has steel mounting feet.

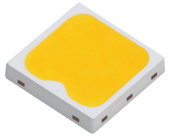
## Optics



- High efficiency lens
- UV resistant acrylic lens
- High quality material
- Different beam angles
- Efficiency 93%
- FW TM: 30°C ~ 80°C
- Clear




## Led



- High efficiency
- Long lasting
- 30x30 Midpower Outdoor Led
- CRI Min. 80
- ROHS Compliant
- Resistant to various chemicals, especially sulfur
- PCT Package
- Gold alloy wirebond

Leds with 1.5W power were used with a power of 0.25W. In this way, very long LED lifetimes are obtained.

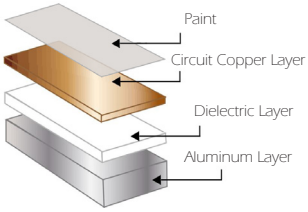
$I_{Typ}$ = 150mA $I_S$ = 41mA
$I_{Max}$ = 250mA $P_s$ = 0,25W
$V_F$ = 6V $T_J$ = 125C°

## Driver



- THD < 10%
- PF ≧ 0.95/230VAC
- Wide input range 100~300V AC( Class I)
- Full power output at 70~100% Constant P. mode operation
- Metal case with IP67, suitable for outdoor application
- Surge protection with 6KV/4KV (10KV/6KV optional)
- Life time >50,000 hrs.

## Aluminum Pcb




- Excellent heat dissipation
- Good heat stress performance
- Excellent reliability
- UL certificate
- RoHS compliance
- Halogen free, and HI, Pb & Sulphur Free

- Thermal conductivity: 1.0 W/m*K
- Thermal shock : >120sec
- Thermal impedance : 1.1°C/W
- Dielectric thickness : 110Um
- Breakdown Voltage : 3.0KV/AC
- Hi-pot Voltage : 4.0KV/DC

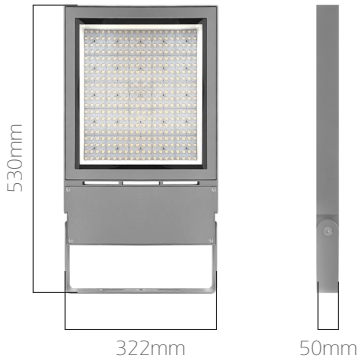


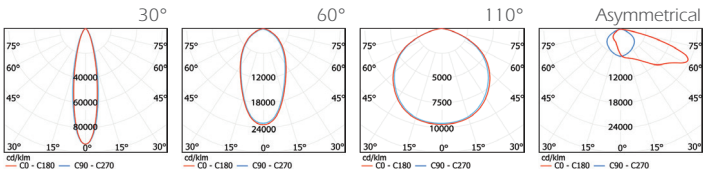
# KYH - Maxi

**IP65**

KYH Maxi projectors are products with high luminous efficiency. With its IP65 protected body and corrosion resistant antistatic paint coating, it offers a long service life. The sealing is at the highest level by using silicone gasket at the points where the cover and glass meet the body. This product is the model with the highest power and luminous flux as the largest member of the family.

Body: Aluminum injection
Led: Mid Power
Diffuser: Clear flat tempered glass




| Code | Beam | Led Type | System Power | Luminous Flux | Voltage | Colour Temperature | Weight |
|---|---|---|---|---|---|---|---|
| KYH/MX/175 | 30° | Mid Power | 175W | 20.300lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/175 | 60° | Mid Power | 175W | 21.100lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/175 | 110° | Mid Power | 175W | 21.000lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/175 | Asymmetrical | Mid Power | 175W | 18.500lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/200 | 30° | Mid Power | 200W | 22.500lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/200 | 60° | Mid Power | 200W | 23.500lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/200 | 110° | Mid Power | 200W | 23.500lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/200 | Asymmetrical | Mid Power | 200W | 20.300lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/225 | 30° | Mid Power | 225W | 25.200lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/225 | 60° | Mid Power | 225W | 26.000lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/225 | 110° | Mid Power | 225W | 25.800lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |
| KYH/MX/225 | Asymmetrical | Mid Power | 225W | 21.900lm | 220V-50Hz | 3000-4000-6000K | 6.6kg |

Luminous flux measured at 4.000K

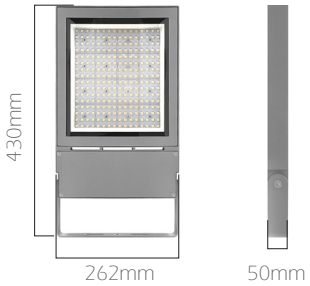


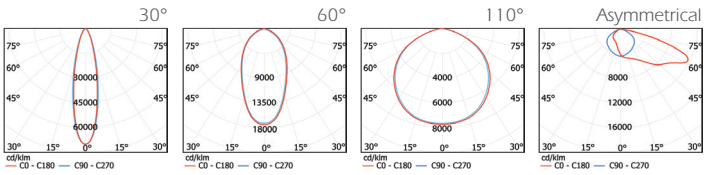
# KYH - Midi

**IP65**

KYH Midi is in the middle power group of the family. The projectors offer a long lifetime with IP65 protected body and corrosion resistant antistatic paint coating thanks to high efficiency LEDs and high transmittance lenses.

Body: Aluminum injection
Led: Mid Power
Diffuser: Clear flat tempered glass




| Code | Beam | Led Type | System Power | Luminous Flux | Voltage | Colour Temperature | Weight |
|---|---|---|---|---|---|---|---|
| KYH/MD/100 | 30° | Mid Power | 100W | 13.000lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/100 | 60° | Mid Power | 100W | 13.500lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/100 | 110° | Mid Power | 100W | 14.000lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/100 | Asymmetrical | Mid Power | 100W | 12.500lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/150 | 30° | Mid Power | 150W | 18.500lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/150 | 60° | Mid Power | 150W | 19.600lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/150 | 110° | Mid Power | 150W | 19.500lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |
| KYH/MD/150 | Asymmetrical | Mid Power | 150W | 17.250lm | 220V-50Hz | 3000-4000-6000K | 5.2kg |

Luminous flux measured at 4.000K

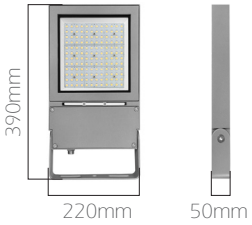


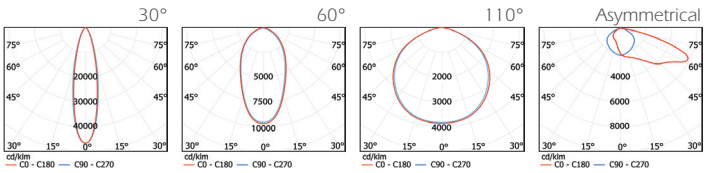
# KYH - Mini

**IP65**

KYH Mini projectors can be used in facade and environmental lighting in many areas thanks to their compact structures. High efficiency luminaires are designed for all weather conditions. Thanks to the silicon gaskets used in the projectors, they have IP65 protection class.

Body: Aluminum injection
Led: Mid Power
Diffuser: Clear flat tempered glass




| Code | Beam | Led Type | System Power | Luminous Flux | Voltage | Colour Temperature | Weight |
|---|---|---|---|---|---|---|---|
| KYH/MN/50 | 30° | Mid Power | 50W | 6.500lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/50 | 60° | Mid Power | 50W | 7.000lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/50 | 110° | Mid Power | 50W | 7.000lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/50 | Asymmetrical | Mid Power | 50W | 6.000lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/80 | 30° | Mid Power | 80W | 9.800lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/80 | 60° | Mid Power | 80W | 10.400lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/80 | 110° | Mid Power | 80W | 10.200lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |
| KYH/MN/80 | Asymmetrical | Mid Power | 80W | 8.900lm | 220V-50Hz | 3000-4000-6000K | 3.8kg |

Luminous flux measured at 4.000K


35



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**LİTPA LIGHTING**

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