



# LED High Mast

## Description

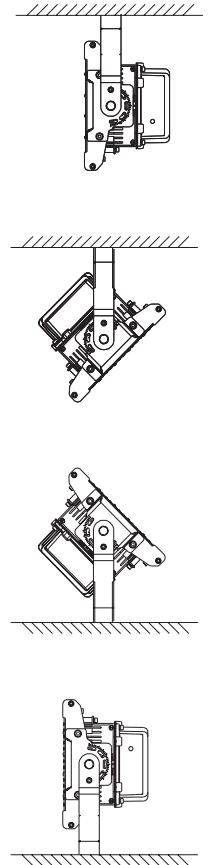
Thanks to the innovative design and the modules designed with symmetric and asymmetric optics, the new family of projectors, High Mast 120 Series & Modular High Mast, allows to illuminate sports environments, industrial areas and public spaces. The various modules allow an optimal heat dissipation, ensuring a better functioning of the LEDs without any stress at high temperatures.

## Certifications





# HIGH MAST 120 SERIES



240W - 360W

|                       | PG-HM120X2-240W          | PG-HM120X3-360W          |
|-----------------------|--------------------------|--------------------------|
| Input                 | 100 ~ 277 VAC / 50-60 Hz | 100 ~ 277 VAC / 50-60 Hz |
| Nominal Power         | 240W                     | 360W                     |
| Total Power           | 236W ~ 244W              | 355W ~ 365W              |
| Equivalent Power      | 750W                     | 1.000W                   |
| Power Factor          | > 0.90                   | > 0.90                   |
| Led Type              | SMD Lumileds 3030        | SMD Lumileds 3030        |
| Led Driver            | Meanwell                 | Meanwell                 |
| Insulation Class      | Class I                  | Class I                  |
| Nominal Flux          | 32.500 lm                | 48.500 lm                |
| Output Flux           | 31.200 lm                | 46.800 lm                |
| Luminaire Efficacy    | 130 lm/W                 | 130 lm/W                 |
| CCT                   | 3000K - 4000K - 5700K    | 3000K - 4000K - 5700K    |
| CRI (Ra)              | > 80                     | > 80                     |
| Beam Angle            | 30° / 60°x100°           | 30° / 60°x100°           |
| IP Protection         | IP65                     | IP65                     |
| Operating Temperature | -40 °C ~ 50 °C           | -40 °C ~ 50 °C           |
| Storage Temperature   | -40 °C ~ 80 °C           | -40 °C ~ 80 °C           |
| Dimming Options       | 1-10V - PWM - Resistance | 1-10V - PWM - Resistance |
| Useful Life           | > 60.000 Hours (L70)     | > 60.000 Hours (L70)     |
| Diffuser              | Transparent              | Transparent              |
| Materials             | Aluminum                 | Aluminum                 |

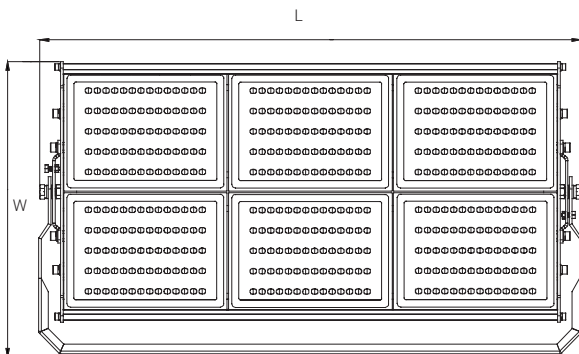
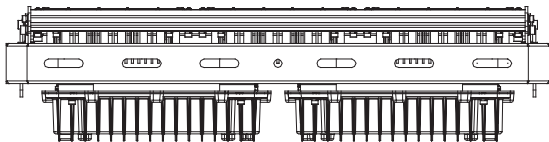
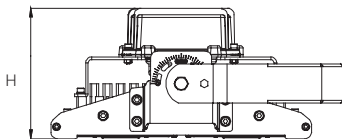


# HIGH MAST 120 SERIES

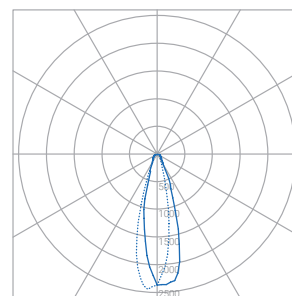
480W - 720W - 960W

|                       | PG-HM120X4-480W          | PG-HM120X6-720W          | PG-HM120X8-960W          |
|-----------------------|--------------------------|--------------------------|--------------------------|
| Input                 | 100 ~ 277 VAC / 50-60 Hz | 100 ~ 277 VAC / 50-60 Hz | 100 ~ 277 VAC / 50-60 Hz |
| Nominal Power         | 480W                     | 720W                     | 960W                     |
| Total Power           | 475W ~ 485W              | 714W ~ 726W              | 952W ~ 968W              |
| Equivalent Power      | 1.000W                   | 2.000W                   | 2.000W                   |
| Power Factor          | > 0.90                   | > 0.90                   | > 0.90                   |
| Led Type              | SMD Lumileds 3030        | SMD Lumileds 3030        | SMD Lumileds 3030        |
| Led Driver            | Meanwell                 | Meanwell                 | Meanwell                 |
| Insulation Class      | Class I                  | Class I                  | Class I                  |
| Nominal Flux          | 64.000 lm                | 94.000 lm                | 126.000 lm               |
| Output Flux           | 62.400 lm                | 93.600 lm                | 124.800 lm               |
| Luminaire Efficacy    | 130 lm/W                 | 130 lm/W                 | 130 lm/W                 |
| CCT                   | 3000K - 4000K - 5700K    | 3000K - 4000K - 5700K    | 3000K - 4000K - 5700K    |
| CRI (Ra)              | > 80                     | > 80                     | > 80                     |
| Beam Angle            | 30° / 60°x100°           | 30° / 60°x100°           | 30° / 60°x100°           |
| IP Protection         | IP65                     | IP65                     | IP65                     |
| Operating Temperature | -40 °C ~ 50 °C           | -40 °C ~ 50 °C           | -40 °C ~ 50 °C           |
| Storage Temperature   | -40 °C ~ 80 °C           | -40 °C ~ 80 °C           | -40 °C ~ 80 °C           |
| Dimming Options       | 1-10V - PWM - Resistance | 1-10V - PWM - Resistance | 1-10V - PWM - Resistance |
| Useful Life           | > 60.000 Hours (L70)     | > 60.000 Hours (L70)     | > 60.000 Hours (L70)     |
| Diffuser              | Transparent              | Transparent              | Transparent              |
| Materials             | Aluminum                 | Aluminum                 | Aluminum                 |

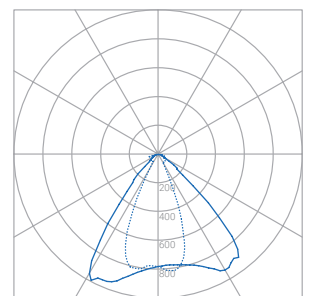
## Dimensions and Beam Angle



| Model           | Lenght (mm) | Height (mm) | Width (mm) | Weight (Kg) |
|-----------------|-------------|-------------|------------|-------------|
| PG-HM120X2-240W | 435         | 341         | 190        | 11,3        |
| PG-HM120X3-360W | 618         | 341         | 200        | 15,0        |
| PG-HM120X4-480W | 579         | 442         | 200        | 19,2        |
| PG-HM120X6-720W | 833         | 442         | 200        | 30,0        |
| PG-HM120X8-960W | 1079        | 442         | 200        | 36,0        |

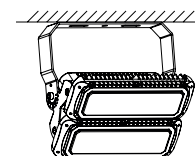
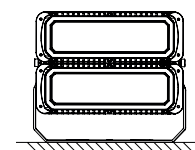
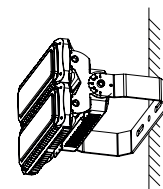
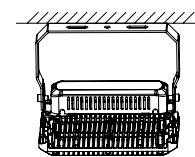


30°



60°x100°

# MODULAR HIGH MAST



300W - 450W

|                       | PG-MHM300W                        | PG-MHM450W                        |
|-----------------------|-----------------------------------|-----------------------------------|
| Input                 | 100 ~ 240 VAC / 50-60 Hz          | 100 ~ 240 VAC / 50-60 Hz          |
| Nominal Power         | 300W                              | 450W                              |
| Total Power           | 295W ~ 305W                       | 445W ~ 455W                       |
| Equivalent Power      | 750W                              | 1.000W                            |
| Power Factor          | > 0.90                            | > 0.90                            |
| Led Type              | SMD Lumileds 3030 / 5050          | SMD Lumileds 3030 / 5050          |
| Led Driver            | Meanwell                          | Meanwell                          |
| Insulation Class      | Class I                           | Class I                           |
| Output Flux           | 41.700 lm ~ 41.800 lm             | 60.100 lm ~ 60.200 lm             |
| Luminaire Efficacy    | ≥ 140 lm/W                        | ≥ 140 lm/W                        |
| CCT                   | 3000K - 4000K - 5700K             | 3000K - 4000K - 5700K             |
| CRI (Ra)              | > 80                              | > 80                              |
| Beam Angle            | 25° / 60° / 90° / 110° / 130°x60° | 25° / 60° / 90° / 110° / 130°x60° |
| IP Protection         | IP65                              | IP65                              |
| Operating Temperature | -40 °C ~ 50 °C                    | -40 °C ~ 50 °C                    |
| Storage Temperature   | -40 °C ~ 50 °C                    | -40 °C ~ 50 °C                    |
| Dimming Options       | 1-10V - PWM / DALI                | 1-10V - PWM / DALI                |
| Useful Life           | > 60.000 Hours (L70)              | > 60.000 Hours (L70)              |
| Materials             | Aluminum + Glass / PC             | Aluminum + Glass / PC             |

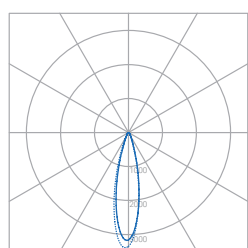
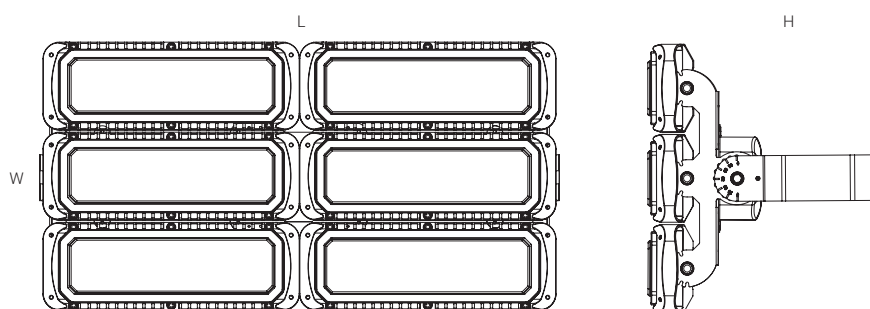
# MODULAR HIGH MAST

600W - 900W - 1200W

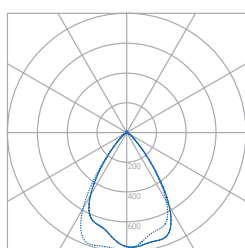
|                       | PG-MHM600W                        | PG-MHM900W                        | PG-MHM1200W                       |
|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Input                 | 100 ~ 240 VAC / 50-60 Hz          | 100 ~ 240 VAC / 50-60 Hz          | 100 ~ 240 VAC / 50-60 Hz          |
| Nominal Power         | 600W                              | 900W                              | 1.200W                            |
| Total Power           | 695W ~ 705W                       | 890W ~ 910W                       | 1.190W ~ 1.210W                   |
| Equivalent Power      | 1.200W                            | 2.000W                            | 2.000W                            |
| Power Factor          | > 0.90                            | > 0.90                            | > 0.90                            |
| Led Type              | SMD Lumileds 3030 / 5050          | SMD Lumileds 3030 / 5050          | SMD Lumileds 3030 / 5050          |
| Led Driver            | Meanwell                          | Meanwell                          | Meanwell                          |
| Insulation Class      | Class I                           | Class I                           | Class I                           |
| Output Flux           | 80.500 lm ~ 80.700 lm             | 121.000 lm ~ 121.200 lm           | 164.800 lm ~ 165.000 lm           |
| Luminaire Efficacy    | ≥ 140 lm/W                        | ≥ 140 lm/W                        | ≥ 140 lm/W                        |
| CCT                   | 3000K - 4000K - 5700K             | 3000K - 4000K - 5700K             | 3000K - 4000K - 5700K             |
| CRI (Ra)              | > 80                              | > 80                              | > 80                              |
| Beam Angle            | 25° / 60° / 90° / 110° / 130°x60° | 25° / 60° / 90° / 110° / 130°x60° | 25° / 60° / 90° / 110° / 130°x60° |
| IP Protection         | IP65                              | IP65                              | IP65                              |
| Operating Temperature | -40 °C ~ 50 °C                    | -40 °C ~ 50 °C                    | -40 °C ~ 50 °C                    |
| Storage Temperature   | -40 °C ~ 50 °C                    | -40 °C ~ 50 °C                    | -40 °C ~ 50 °C                    |
| Dimming Options       | 1-10V - PWM / DALI                | 1-10V - PWM / DALI                | 1-10V - PWM / DALI                |
| Useful Life           | > 60.000 Hours (L70)              | > 60.000 Hours (L70)              | > 60.000 Hours (L70)              |
| Materials             | Aluminum + Glass / PC             | Aluminum + Glass / PC             | Aluminum + Glass / PC             |

## Dimensions and Beam Angle

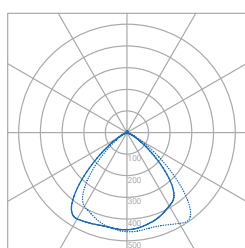
| Model       | Modules N. | Lenght (mm) | Height (mm) | Width (mm) | Weight (Kg) |
|-------------|------------|-------------|-------------|------------|-------------|
| PG-MHM300W  | 4          | 433         | 320         | 275        | 8,7         |
| PG-MHM450W  | 6          | 324         | 628         | 275        | 13,4        |
| PG-MHM600W  | 8          | 433         | 628         | 275        | 17,5        |
| PG-MHM900W  | 12         | 690         | 628         | 390        | 29,4        |
| PG-MHM1200W | 18         | 910         | 628         | 390        | 38,3        |



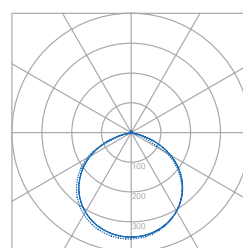
25°



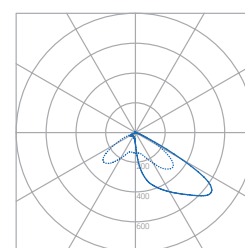
60°



90°



120°



130°x60°