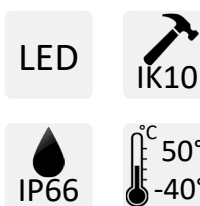
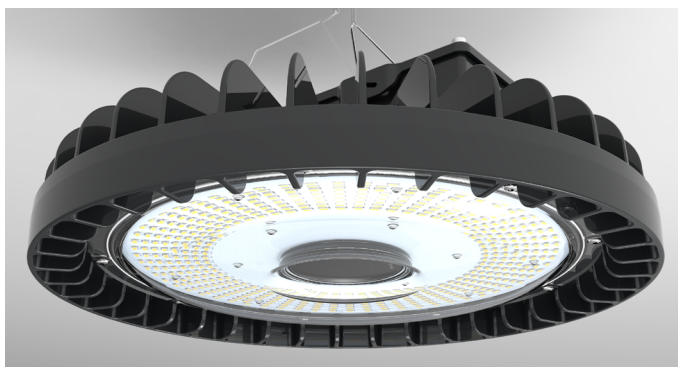
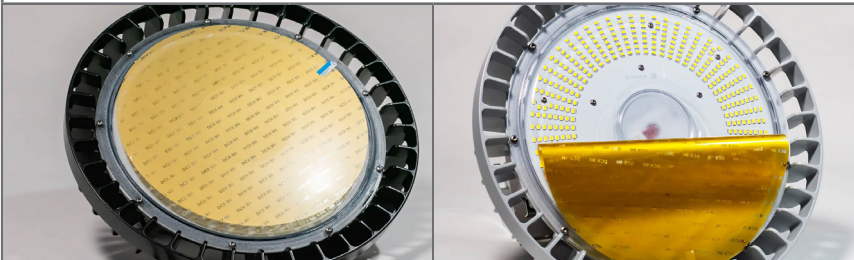


# TEHNICAL SPECIFICATIONS

## MARINE LED FLOODLIGHT



| Floodlight                                                    | HB380-42                                                                             | MLFL 380/HB 380              | MLFL 380/HB 380<br>SPOT |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------|-------------------------|
| Electrical Characteristics                                    |                                                                                      |                              |                         |
| Nominal Voltage                                               | 42VAC                                                                                | 110 - 230VAC                 |                         |
| Operating Voltage                                             | 38-48VAC<br>38-60VDC                                                                 | 100 - 305VAC<br>110 - 430VDC |                         |
| Total Power                                                   | ~130W                                                                                | ~150W                        | ~160W                   |
| Power Factor                                                  | >0.99                                                                                | >0.95                        |                         |
| Operating Temperature                                         | -40°C to +50°C                                                                       | -40°C to +50°C               |                         |
| Light Technology Characteristics                              |                                                                                      |                              |                         |
| Initial Total Lumens                                          | ~16 000lm                                                                            | ~23 000lm                    | ~18 000lm               |
| Luminary Efficacy                                             | ~125lm/W                                                                             | 150lm/W                      | 115lm/W                 |
| CCT                                                           | ~5000K                                                                               |                              |                         |
| CRI                                                           | >80                                                                                  |                              |                         |
| Illumination Angle                                            | 120°                                                                                 | 120°                         | 30°, 45°, 60° or 90°    |
| Protection & Construction                                     |                                                                                      |                              |                         |
| IP and IK Protection                                          | IP66, IK10                                                                           |                              |                         |
| Protections                                                   | OVP, OTP                                                                             |                              |                         |
| Housing                                                       | Alluminum alloy cataphoresis, powder-coated                                          |                              |                         |
| Cable Entry                                                   | 6 - 13mm                                                                             |                              |                         |
| Lifespan(on 25°C)                                             | 50 000 hours                                                                         |                              |                         |
| Removable<br>Protective Cover<br>(sold separately)<br>1001736 | Self-adhesive protedctive PET foil; 0.3mm thick                                      |                              |                         |
|                                                               |  |                              |                         |

▪ Replaceable protective peel off foil

▪ Mounted on a cart, scaffold, or wall mounted

▪ Mechanical protection grade IP66, IK10

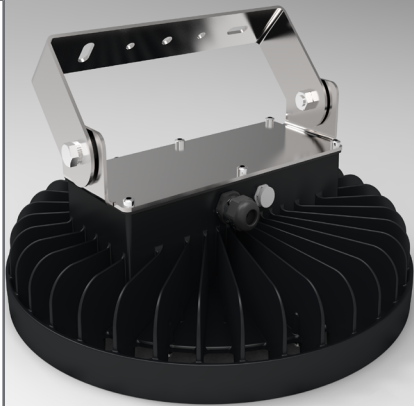
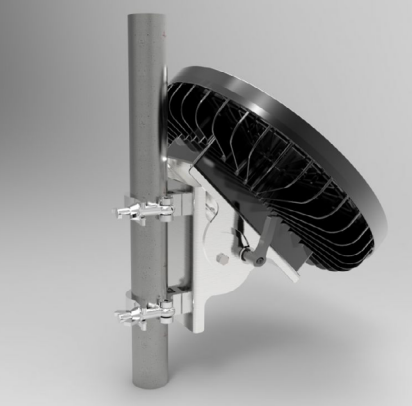
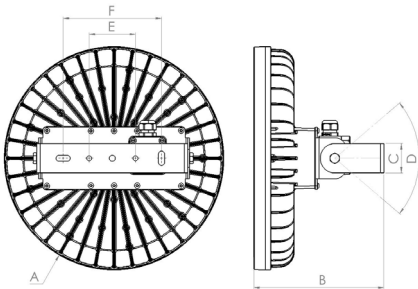
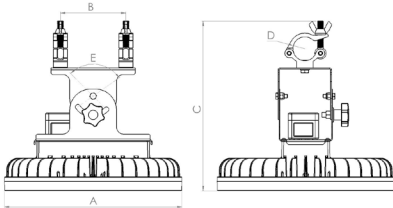
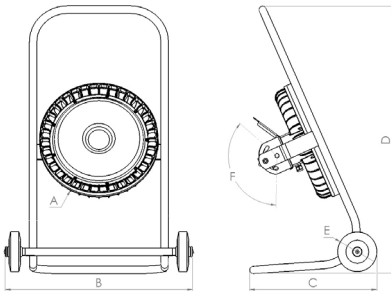
▪ Angles of light beam 30°, 45°, 60°, 90° and 120°

▪ Housing Aluminium alloy cataphoresis, powder-coated

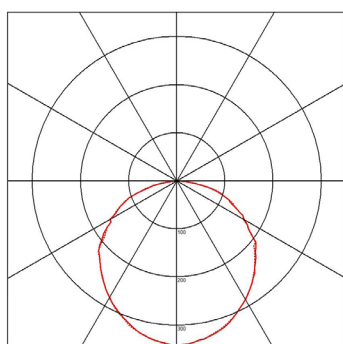
▪ High lumen output up to 23 000lm

# MOUNTING OPTIONS & DIMENSIONS

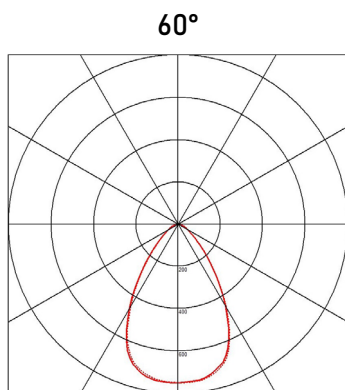
\*When you choose the Floodlight model, you have to choose only ONE mounting option that will go with that model.

|                   | MLFLW                                                                                                                                                                                                                                                                                                                                   | MLFLS                                                                              | MLFLC                                                                               |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|-------|---|------|---|------|---|-----------------|---|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---|-------|---|-------|---|-------------|---|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---|-------|---|-------|---|-------|---|--------|---|------|
| Available Options |                                                                                                                                                                                                                                                        |  |  |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| Dimensions        | <div></div> <table><tr><td>A</td><td>ø380mm</td></tr><tr><td>B</td><td>225mm</td></tr><tr><td>C</td><td>50mm</td></tr><tr><td>D</td><td>±40°</td></tr><tr><td>E</td><td>2 x ø8mm / 80mm</td></tr><tr><td>F</td><td>2 x ø10mm / 170mm</td></tr></table> | A                                                                                  | ø380mm                                                                              | B | 225mm | C | 50mm | D | ±40° | E | 2 x ø8mm / 80mm | F | 2 x ø10mm / 170mm | <div></div> <table><tr><td>A</td><td>ø380mm</td></tr><tr><td>B</td><td>140mm</td></tr><tr><td>C</td><td>360mm</td></tr><tr><td>D</td><td>ø40 - ø55mm</td></tr><tr><td>E</td><td>+45° / -55°</td></tr></table> | A | ø380mm | B | 140mm | C | 360mm | D | ø40 - ø55mm | E | +45° / -55° | <div></div> <table><tr><td>A</td><td>ø380mm</td></tr><tr><td>B</td><td>600mm</td></tr><tr><td>C</td><td>405mm</td></tr><tr><td>D</td><td>840mm</td></tr><tr><td>E</td><td>ø125mm</td></tr><tr><td>F</td><td>±60°</td></tr></table> | A | ø380mm | B | 600mm | C | 405mm | D | 840mm | E | ø125mm | F | ±60° |
| A                 | ø380mm                                                                                                                                                                                                                                                                                                                                  |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| B                 | 225mm                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| C                 | 50mm                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| D                 | ±40°                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| E                 | 2 x ø8mm / 80mm                                                                                                                                                                                                                                                                                                                         |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| F                 | 2 x ø10mm / 170mm                                                                                                                                                                                                                                                                                                                       |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| A                 | ø380mm                                                                                                                                                                                                                                                                                                                                  |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| B                 | 140mm                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| C                 | 360mm                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| D                 | ø40 - ø55mm                                                                                                                                                                                                                                                                                                                             |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| E                 | +45° / -55°                                                                                                                                                                                                                                                                                                                             |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| A                 | ø380mm                                                                                                                                                                                                                                                                                                                                  |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| B                 | 600mm                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| C                 | 405mm                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| D                 | 840mm                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| E                 | ø125mm                                                                                                                                                                                                                                                                                                                                  |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| F                 | ±60°                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                                                                     |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |
| Weight            | ~7,4kg                                                                                                                                                                                                                                                                                                                                  | ~8kg                                                                               | ~12,7kg                                                                             |   |       |   |      |   |      |   |                 |   |                   |                                                                                                                                                                                                                                                                                                 |   |        |   |       |   |       |   |             |   |             |                                                                                                                                                                                                                                                                                                                       |   |        |   |       |   |       |   |       |   |        |   |      |

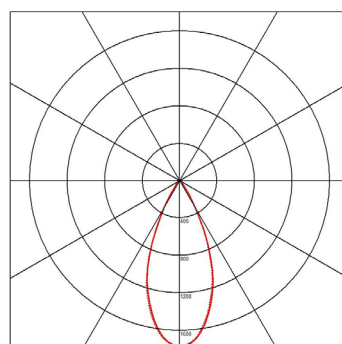
## POLAR CURVE



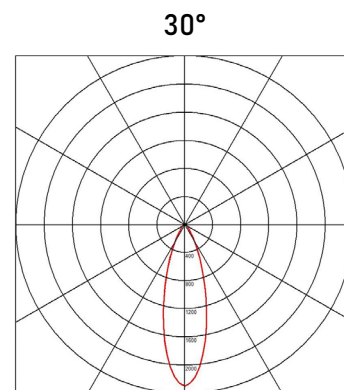
120°



60°



45°



30°