

## Electrical and Control

ET9220

|                  |                                 |
|------------------|---------------------------------|
| Voltage          | 12VDC/24VDC                     |
| Power            | 30W                             |
| Power Supply     | External                        |
| Control          | ON/OFF                          |
| Insulation Class | Class III                       |
| Cable            | 0.5M H05RN-F 2x1mm <sup>2</sup> |
| Environmental    | -40 °C ~ 50 °C                  |



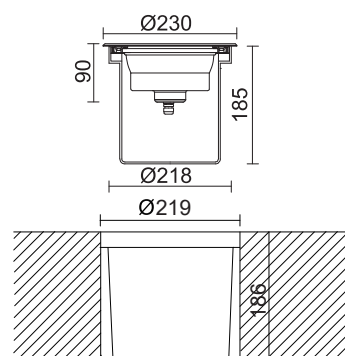
## LED and Optics

|                  |                              |
|------------------|------------------------------|
| LED Brand        | CREE/Osram                   |
| LED Quantity     | LED X18                      |
| Beam Angle       | 10°/15°/25°/45°              |
| Delivered Lumen  | 1562lm(15° 3000K)            |
| Colour Rendering | CRI 80                       |
| SDCM             | ≤5                           |
| CCT              | 2700K/3000K/4000K/6000K/RGBW |
| LED Optic        | PMMA Lens                    |

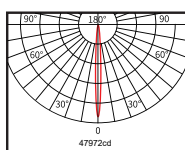
## Physical

|                   |                          |
|-------------------|--------------------------|
| Housing           | Stainless steel          |
| Lens Material     | Glass                    |
| External Screw    | Stainless steel material |
| Surface Treatment | Stainless steel          |
| Net Weight        | 5KG                      |
| Warranty          | 3 years                  |
| Rating            | IP68                     |
| Impact Protection | IK09                     |

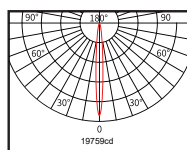
## Certifications



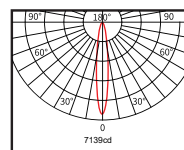
## Photometric curves:



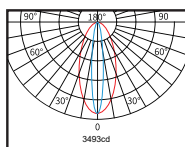
| H(m) | ø(m) | lx(MAX) |
|------|------|---------|
| 2    | 0.25 | 11987   |
| 4    | 0.50 | 2997    |
| 6    | 0.75 | 1332    |
| 8    | 1.00 | 749     |



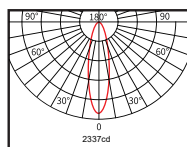
| H(m) | ø(m) | lx(MAX) |
|------|------|---------|
| 2    | 0.39 | 4938    |
| 4    | 0.79 | 1234    |
| 6    | 1.19 | 548     |
| 8    | 1.58 | 308     |



| H(m) | ø(m) | lx(MAX) |
|------|------|---------|
| 2    | 0.73 | 1785    |
| 4    | 1.46 | 446     |
| 6    | 2.20 | 198     |
| 8    | 2.93 | 111     |



| H(m) | ø(m) | lx(MAX) |
|------|------|---------|
| 2    | 0.30 | 8989    |
| 4    | 0.78 | 2580    |
| 6    | 0.98 | 1003    |
| 8    | 2.96 | 532     |



| H(m) | ø(m) | lx(MAX) |
|------|------|---------|
| 2    | 1.56 | 579     |
| 4    | 3.13 | 144     |
| 6    | 4.69 | 64      |
| 8    | 6.26 | 36      |