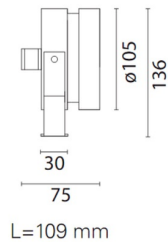


Last information update: May 2024

**Product configuration: BH87**

BH87: Floodlight for immersion - Floodlight 6 LEDs - 700mA DC

**Product code**BH87: Floodlight for immersion - Floodlight 6 LEDs - 700mA DC **Attention! Code no longer in production****Technical description**

Monochrome floodlight for permanent immersion, IP68 5m. Adjustable about the vertical axis and relative to the horizontal plane. The luminaire is made strictly of AISI 316L stainless steel to guarantee maximum lasting reliability in pools and fountains (fresh water). Clear, transparent 6mm thick tempered closing glass. All screws used are made of stainless steel and the seals are silicone. The product is supplied with a 4m long 2x0,5NS20N power cable. The luminaire technical characteristics conform to EN60598-2-18 standards and particular requirements. IP68 -IK08. The luminaire is complete with 6 Neutral White LEDs (6x1,2W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 700mA DC external driver.

**Colour**

Steel (13)

**Mounting**

wall recessed/ground recessed

**Notes**

Permanent immersion

Complies with EN60598-1 and pertinent regulations



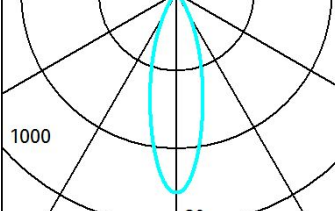
IK08

IP68

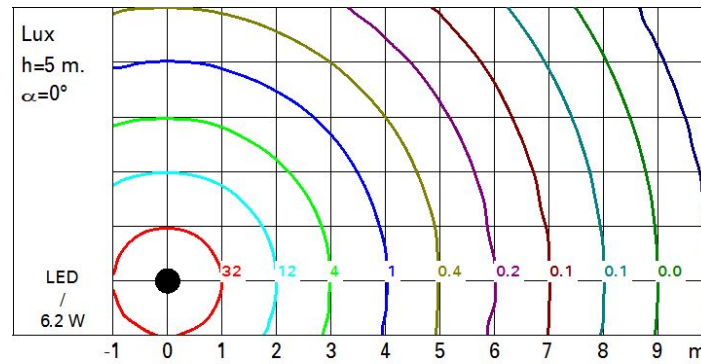
**Technical data**

|  |      |                                       |                                |
|--|------|---------------------------------------|--------------------------------|
| Im system:   | 516  | CRI (minimum):                        | 75                             |
| W system:  | 6.2  | Colour temperature [K]:               | 4000                           |
| Im source:   | 670  | Life Time LED 1:                      | 100,000h - L80 - B10 (Ta 25°C) |
| W source:  | 6.2  | Lamp code:                            | LED                            |
| Luminous efficiency (Im/W, real value):            | 83.2 | Number of lamps for optical assembly: | 1                              |
| Im in emergency mode:                              | -    | ZVEI Code:                            | LED                            |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Number of optical assemblies:         | 1                              |
| Light Output Ratio (L.O.R.) [%]:                   | 77   | Intervallo temperatura ambiente:      | from -20°C to +35°C.           |
| Beam angle [°]:                                    | 30°  | LED current [mA]:                     | 350                            |

**Polar**

| Imax=1283 cd  |      | Lux |     |     |      |
|---|------|-----|-----|-----|------|
| 90°   | 180° | h   | d   | Em  | Emax |
|  |      | 2   | 1.1 | 246 | 321  |
|   |      | 4   | 2.1 | 61  | 80   |
|   |      | 6   | 3.2 | 27  | 36   |
|   |      | 8   | 4.3 | 15  | 20   |
| $\alpha=30^\circ$   |      |     |     |     |      |

### Isolux



### UGR diagram

| Corrected UGR values (at 670 lm bare lamp luminous flux) |     |                  |            |      |            |      |                |      |      |      |      |
|--|-----|------------------|------------|------|------------|------|----------------|------|------|------|------|
| Reflect.:  |     | viewed crosswise |            |      |            |      | viewed endwise |      |      |      |      |
| ceiling  |     | 0.70             | 0.70       | 0.50 | 0.50       | 0.30 | 0.70           | 0.70 | 0.50 | 0.50 | 0.30 |
| walls  |     | 0.50             | 0.30       | 0.50 | 0.30       | 0.30 | 0.50           | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl.   |     | 0.20             | 0.20       | 0.20 | 0.20       | 0.20 | 0.20           | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim   |     | viewed crosswise |            |      |            |      | viewed endwise |      |      |      |      |
| x  | y   |                  |            |      |            |      |                |      |      |      |      |
| 2H   | 2H  | 13.5             | 14.2       | 13.8 | 14.4       | 14.7 | 13.5           | 14.2 | 13.8 | 14.4 | 14.7 |
|  | 3H  | 13.8             | 14.4       | 14.1 | 14.6       | 14.9 | 13.6           | 14.2 | 13.9 | 14.5 | 14.7 |
|  | 4H  | 13.8             | 14.4       | 14.2 | 14.7       | 15.0 | 13.6           | 14.1 | 13.9 | 14.4 | 14.7 |
|  | 6H  | 13.8             | 14.3       | 14.2 | 14.7       | 15.0 | 13.5           | 14.1 | 13.9 | 14.4 | 14.7 |
|  | 8H  | 13.8             | 14.3       | 14.2 | 14.6       | 15.0 | 13.5           | 14.0 | 13.9 | 14.3 | 14.7 |
|  | 12H | 13.8             | 14.3       | 14.2 | 14.6       | 14.9 | 13.5           | 13.9 | 13.8 | 14.3 | 14.6 |
| 4H   | 2H  | 13.6             | 14.1       | 13.9 | 14.4       | 14.7 | 13.8           | 14.4 | 14.2 | 14.7 | 15.0 |
|  | 3H  | 13.9             | 14.4       | 14.3 | 14.7       | 15.1 | 14.0           | 14.4 | 14.3 | 14.8 | 15.1 |
|  | 4H  | 14.0             | 14.4       | 14.4 | 14.8       | 15.2 | 14.0           | 14.4 | 14.4 | 14.8 | 15.2 |
|  | 6H  | 14.0             | 14.4       | 14.5 | 14.8       | 15.2 | 14.0           | 14.4 | 14.4 | 14.8 | 15.2 |
|  | 8H  | 14.0             | 14.4       | 14.5 | 14.8       | 15.2 | 14.0           | 14.3 | 14.4 | 14.7 | 15.2 |
|  | 12H | 14.0             | 14.3       | 14.4 | 14.7       | 15.2 | 13.9           | 14.2 | 14.4 | 14.7 | 15.1 |
| 8H   | 4H  | 14.0             | 14.3       | 14.4 | 14.7       | 15.2 | 14.0           | 14.4 | 14.5 | 14.8 | 15.2 |
|  | 6H  | 14.0             | 14.3       | 14.5 | 14.8       | 15.2 | 14.0           | 14.3 | 14.5 | 14.8 | 15.2 |
|  | 8H  | 14.0             | 14.3       | 14.5 | 14.7       | 15.2 | 14.0           | 14.3 | 14.5 | 14.7 | 15.2 |
|  | 12H | 14.0             | 14.2       | 14.5 | 14.7       | 15.2 | 14.0           | 14.2 | 14.5 | 14.7 | 15.2 |
| 12H  | 4H  | 13.9             | 14.2       | 14.4 | 14.7       | 15.1 | 14.0           | 14.3 | 14.4 | 14.7 | 15.2 |
|  | 6H  | 14.0             | 14.2       | 14.5 | 14.7       | 15.2 | 14.0           | 14.3 | 14.5 | 14.7 | 15.2 |
|  | 8H  | 14.0             | 14.2       | 14.5 | 14.7       | 15.2 | 14.0           | 14.2 | 14.5 | 14.7 | 15.2 |
| Variations with the observer position at spacing:        |     |                  |            |      |            |      |                |      |      |      |      |
| S =  |     | 1.0H             | 2.3 / -2.0 |      | 2.3 / -2.0 |      |                |      |      |      |      |
|  |     | 1.5H             | 4.4 / -3.1 |      | 4.4 / -3.1 |      |                |      |      |      |      |
|  |     | 2.0H             | 6.2 / -3.7 |      | 6.2 / -3.7 |      |                |      |      |      |      |