

GROUND RECESSED

# KUB012



## APPLICATION



Ground recessed luminaire, walkable up to 1000Kg. Equipped with secondary optics for different light distributions, useful for grazing lighting of facades and architectural elements, it is available with monochromatic and RGBW COB LED version, with remote power supply, or in stand-alone version with COB LED powered at 230Vac . Dali dimmable on request with extra charge.

GROUND RECESSED

# KUBO12

## SPECIFICATIONS



- The rated flux values refer to source LED at Ts85°C / ta25°C
- The Power/Flux in the table refer to maximum installable value
- Lower powers are available on request, only for version with built-in driver
- Dimmable system available on request only with built-in driver
- The device is supplied with a long cable 300mm 3x1mm<sup>2</sup>
- Supplied with AISI430 stainless steel built-in box
- **Walkable for pedestrian paths. Max load 1000Kg**
- **IP68 connector available on request**



## SISTEMA LED CON DRIVER INCORPORATO

| COD.            | Source Flux | Fixture Flux | CCT    | CRI | Power                    | CL | LED |
|-----------------|-------------|--------------|--------|-----|--------------------------|----|-----|
| 2112R/WC35XX.99 | 1900 lm     | 1382 lm      | 3000 K | 80  | 14W - 220-240Vac 50/60Hz | I  | 1   |
| 2112R/NC35XX.99 | 1995 lm     | 1458 lm      | 4000 K | 80  | 14W - 220-240Vac 50/60Hz | I  | 1   |

Beam  
 XX=NB (Spot 19°)  
 XX=MB (Flood 26°)  
 XX=WB (Wide Flood 49°)

Direct Emission Uplight  
 Silk-Screen Clear Glass

Dali dimmable on request  
 with extra charge



## LED ARRAY SYSTEM WITH BUILT-IN DRIVER

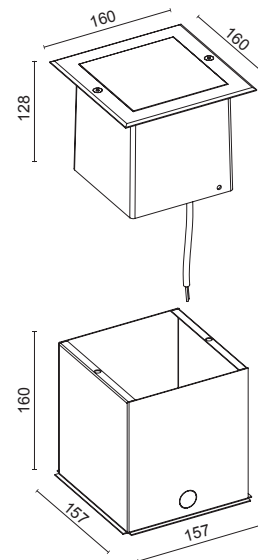
| COD.            | Source Flux | Fixture Flux | CCT    | CRI | Power                    | CL | LED |
|-----------------|-------------|--------------|--------|-----|--------------------------|----|-----|
| 2112R/WR50XX.99 | 1700 lm     | 1190 lm      | 3000 K | 80  | 14W - 220-240Vac 50/60Hz | I  | 4   |
| 2112R/NR50XX.99 | 1770 lm     | 1240 lm      | 4000 K | 80  | 14W - 220-240Vac 50/60Hz | I  | 4   |

Beam  
 XX=NB (Spot 20°)  
 XX=MB (Flood 32°)  
 XX=WB (Wide Flood 50°)

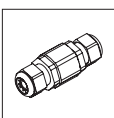
Direct Emission Uplight  
 Silk-Screen Clear Glass

Dali dimmable on request  
 with extra charge

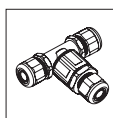
## DIMENSIONS



## ACCESSORIES



**MOR683P/2V**  
 IP68 2ways/3poles connector.  
 Maximum section 3x2.5mm



**MOR683P/3V**  
 IP68 3ways/3poles branch  
 connector. Maximum section  
 3x2.5mm

## FRAME



**99**  
 STAINLESS STEEL AISI316L

GROUND RECESSED

# KUB012

## SPECIFICATIONS



Installation:  
Ground recessed

- The rated flux values refer to source LED at Ts85°C / ta25°C
- The data in the table refer to the configuration with all channels on (100%)
- The total power of the system depends on the number and type of devices envisaged. Depending on the project, it may be necessary to use "n" single power supply devices.
- Supplied with AISI430 stainless steel built-in box
- **Walkable for pedestrian paths. Max load 1000Kg**
- **IP68 component-holder box available only on request**
- **24V remote driver to be ordered separately**
- **DMX Remote controller included**
- **Connecting cables with plugs must be ordered separately and configured according to the project**



## RGBW LED ARRAY SYSTEM WITH REMOTE DRIVER 24Vdc

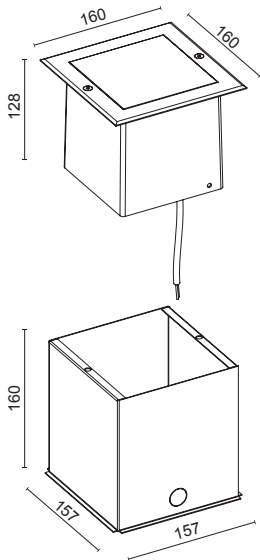
REVIEW

| COD.            | Source Flux | Fixture Flux | CCT-CRI            | Power     | CL  | LED |
|-----------------|-------------|--------------|--------------------|-----------|-----|-----|
| Z112R/RCRCXX.99 | 1650 lm     | 1420 lm      | RGBW - WHITE 6500K | 12W 24Vdc | III | 4   |

Beam  
 XX=NB (Spot 10°)  
 XX=MB (Flood 20°)  
 XX=WB (Wide Flood 30°)  
 XX=SW (Super Wide 60°)

Direct Emission Uplight  
 Silk-Screen Clear Glass

## DIMENSIONS



## RGBW ALGORITHM SYSTEM

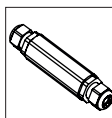
The RGBW system has been completely revised, significantly increasing its efficiency and lumen output of colors. A new DMX control system based on a microchip algorithm has been inserted inside the lamp, capable of obtaining a constant and full power wattage for each single color or in the combination of the color channels.



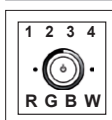
## FRAME

99  
 STAINLESS STEEL AISI316L

## RGBW ACCESSORIES



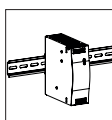
**MOR686P/2V**  
 IP68 2ways/6poles connector.  
 Maximum section 6x2.5mm



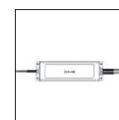
**E.CNT.001**  
 Remote control touch keyboard  
 16 DMX Ch./4 Zones 100-240V



**E.CNT.002**  
 Remote control touch keyboard  
 1024 DMX Ch./10 Zones USB/  
 Ethernet 100-240V



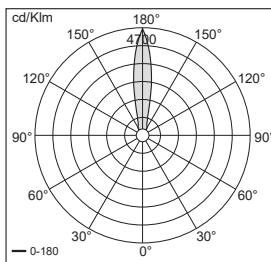
Remote Driver 24V  
**E.TRA.570** 120W 24Vdc IP20  
**E.TRA.569** 240W 24Vdc IP20  
**E.TRA.568** 480W 24Vdc IP20



**E.TRA.592**  
 Remote Driver 240W 24Vdc IP67

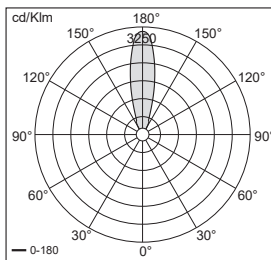
## KUBO12

## PHOTOMETRICS DATA



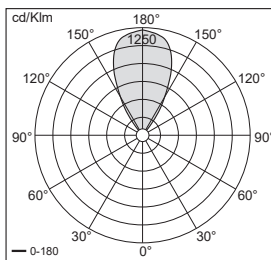
| Dist. (m) | Em (Lux) | E <sub>max</sub> (Lux) |
|-----------|----------|------------------------|
| 1.0       | 3197     | 4680                   |
| 2.0       | 799      | 1170                   |
| 3.0       | 355      | 520                    |
| 4.0       | 199      | 292                    |
| 5.0       | 127      | 187                    |

**2112R/NC35NB**  
 Spot  
 CCT : 4000K  
 Power : 14W  
 System : 1242 lm  
 Effic. : 88.7 lm/W  
 I<sub>max</sub> : 4680 cd/Klm  
 LOR : 70.6 %  
 Ø<sub>α</sub> : 1.8m Ø<sub>β</sub> : 1.8m  
 α : 19.2° β : 19.2°



| Dist. (m) | Em (Lux) | E <sub>max</sub> (Lux) |
|-----------|----------|------------------------|
| 1.0       | 2307     | 3202                   |
| 2.0       | 576      | 801                    |
| 3.0       | 256      | 356                    |
| 4.0       | 144      | 200                    |
| 5.0       | 92       | 128                    |

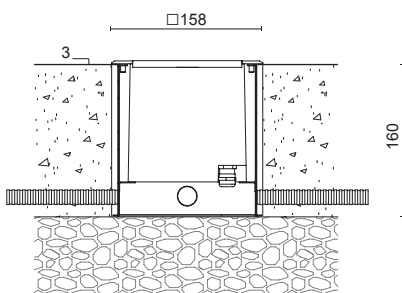
**2112R/NC35MB**  
 Flood  
 CCT : 4000K  
 Power : 14W  
 System : 1214 lm  
 Effic. : 86.7 lm/W  
 I<sub>max</sub> : 3202 cd/Klm  
 LOR : 69 %  
 Ø<sub>α</sub> : 2.5m Ø<sub>β</sub> : 2.5m  
 α : 26.2° β : 26.2°



| Dist. (m) | Em (Lux) | E <sub>max</sub> (Lux) |
|-----------|----------|------------------------|
| 1.0       | 896      | 1206                   |
| 2.0       | 224      | 302                    |
| 3.0       | 100      | 134                    |
| 4.0       | 56       | 75                     |
| 5.0       | 36       | 48                     |

**2112R/NC35WB**  
 Wide Flood  
 CCT : 4000K  
 Power : 14W  
 System : 1232 lm  
 Effic. : 88 lm/W  
 I<sub>max</sub> : 1206 cd/Klm  
 LOR : 60.3 %  
 Ø<sub>α</sub> : 5.6m Ø<sub>β</sub> : 5.6m  
 α : 49.6° β : 49.6°

## ASSEMBLY



## CHARACTERISTICS

- Ground and wall recessed luminaire with AISI steel case and mask.
- Supplied pre-wired with 50cm H05RN-F 3x1mmq cable and IP68 cable gland.
- Optical/Driver section not accessible during installation.
- LED maintenance can be carried out by disassembling the optical compartment and dissipator (2 screws).
- Driver maintenance can be carried out by disassembling the optical compartment
- Fixed or Dali dimmable output system for monochromatic LEDs on request
- RGBW system for multichip LEDs.
- Luminaire Conforms to EN60598-1 Standard and special requirements

## MATERIALS

- Body in die casting aluminium alloy.
- Front ring: satin AISI316L stainless steel th=4mm
- Ground casing in unpainted AISI430F steel
- Extra-clear float glass th=8mm with screen printing-transmission LT>90%.
- Seals in EDPM closed cell rubber, UV- resist. Tx -40/+150°C.
- Glass gasket in neutral cross-linking silicone glue - Tx-50/+250°C UV resist.
- Integrated passive heat sink made of aluminium alloy
- Internal and external screws in A2 Stainless Steel
- M16 IP68 brass cable gland
- Polyester powder coating, UV-stabilised with anti-corrosion treatment.