

LED Architectural & Landscape Spot light

--Projectors, Floodlights, Wall washers



Description:

Spotlights in outdoor applications provide effective lighting. With different sizes, light distributions and a wide range of lumen packages, smaller objects can be illuminated just as impressively as monumental facades. Projectors are ideal for high-contrast accentuation without spill light. Floodlights and wall washers achieve the uniform illumination of surfaces – even from long projection distances and under difficult installation conditions.

Features:

- This series product is a high power or COB LED garden & Spotlight with small dimensions. Small luminaires are discreet and place the focus on the light itself. Small luminaire dimensions are particularly advantageous in compact room situations.
 - Standard round base or ground spike for installation.
 - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood or wallwash.
 - Optional light accessories for soft light: honey comb louver, honeycomb glass and filter.
 - Optional lamp body color: silver grey and black.
 - With extensive mounting accessories enables the luminaire to install in a wide variety of outdoor applications.
 - Standard input voltage is 24VDC or 220-240VAC(110-120V is available).When you install the product, please check the date label on the product and the wire.
 - Basic is Non-dimmable. Optional PWM, 0/1-10V, DALI, TRIAC dimmable or DMX512 support upon request.
- Total demand of power is according to total power consumption +total power of cable impedance consumption. It is strongly advised that the max output power of the transformer is more 20% at least than the actual total power of the luminaire. When installation, always work with technician or install by technician.
- The main material of this product is aluminum, surface coating is only suitable for natural environment, don't install this product near the sea water or in the environment which is high salty or high acid.
 - This is IP66 grade product, Dust-tight and water jet-proof.
 - Applicable environment temperature: -20°C<fixture<+50°C

Optional Various Extensive Mounting Accessories:

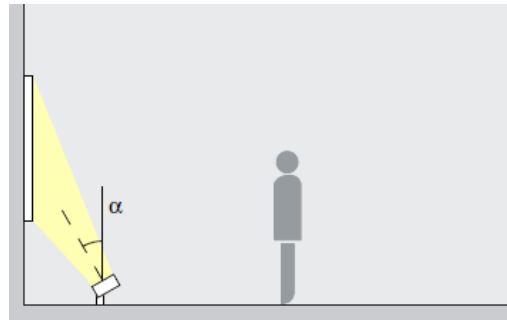


- ① Standard round base;
- ② Screw fixed pole mounting Bracket;
- ③ Mounting Bracket with tree strap;
- ④ Standard ground spike;
- ⑤ Extensive pole with round base (fixed by screws), available in length: 300mm, 500mm,800mm,1000mm;
- ⑥ Extensive pole with ground spike, available in length for extensive pole: 300mm, 500mm, 800mm.

3QB Projectors, Floodlights, Wall washers – Luminaire Arrangement:

Projectors

Narrow spot, Spot, Flood



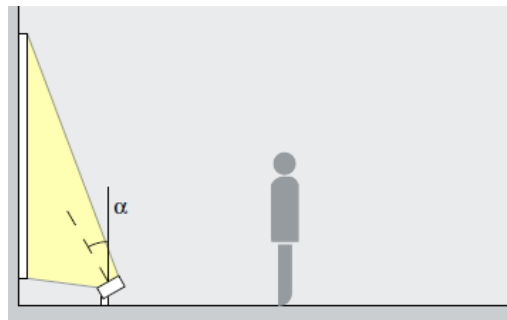
Accentuation

The ideal angle of tilt (α) for accent lighting with 3QA projectors is around 30° . This emphasizes the three-dimensionality of architectural details, sculptures or trees, without distorting the spatial impression with excessive shadowing.

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood



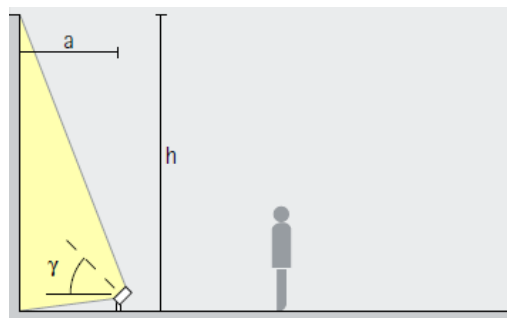
Wash lighting

3QA projectors ensure uniform floodlighting of walls surfaces or trees. The ideal angle of tilt (γ) for this is around 30° .

Arrangement: $\alpha = 30^\circ$

Lens wall washers

Wall wash

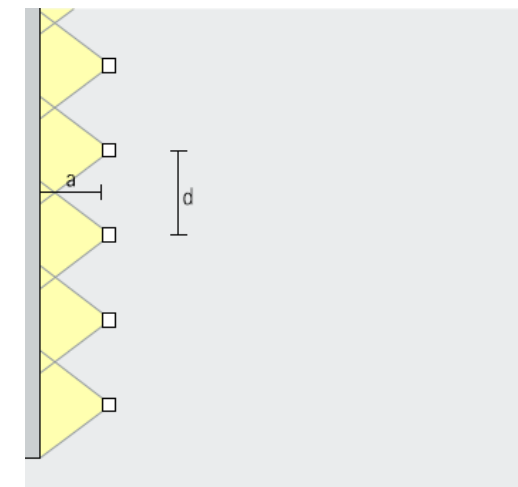


Wall washing

Uniform vertical illuminance in the outdoor area defines spatial borders. Here, the distance (a) of 3QA lens wall washers from the wall should be around one third of the room height (h). This results in an angle of tilt (γ) of approx. 55° .

Arrangement: $a = 1/3 \times h$ bzw.

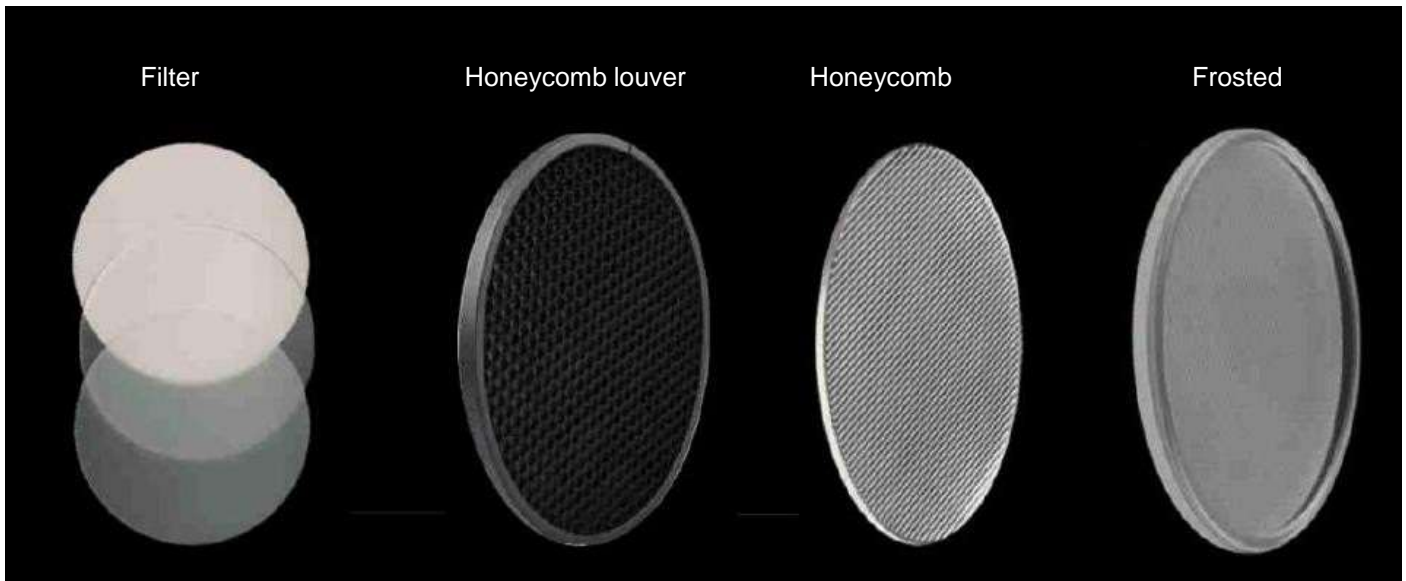
$$\gamma = 55^\circ$$



For good longitudinal uniformity, the spacing (d) of 3QA lens wall washers may be up to 1.2 times the offset from the wall (a).

Arrangement: $d \leq 1.2 \times a$

Optional Various Optical Accessories:



Note:

These lighting accessories enables the luminaire with soft light or anti-glare light output.

Material Specifications:

Housing	12#Die-Casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Light Window	Step tempered glass. T=4mm
Lens	Optical lens, or reflector efficiency≥90%
LED	CREE high power LED or COB LED
Gasket	Molding shaped silicone seal
Driver	Constant current driver
Power Cable	0.5m H05RN-F 2x 1.0mm ² to open wires (Low Voltage) 0.5m H05RN-F 3x 0.75mm ² to open wires (High Voltage) 0.5m H05RN-F 4x 0.75mm ² to open wires (RGB) 0.5m H05RN-F 5x 0.50mm ² to open wires (RGBW, or DMX)
Operating Temperature	-20°C~50°C
Optional Control Support	Standard Non-dimmable. Optional PWM, 0/1-10V, DALI dimmable or DMX512 controllable support upon request
Optional Accessories	Aluminum round base PVC ground spike Tree/pole Strap+aluminum bracket Aluminum extensive pole

Technical Specifications:

Item No.	Light Source	Beam Angle	Input Voltage	Typical Operating Current(mA)	Typical Power Consumption (W)	Typical Luminance (lm)	IK Rate
LZ-22412-12	4x3W Single Color CREE LED	6°, 12°, 25°, 40°, 60°	24VDC 110/240V	24V=483 110V=116 240V=58	24V=11.6 110V=12.8 240V=12.8	Cool White=390 Warm White=361	08
LZ-22412-12BK	4x3W RGB 3-in-1 LED	15°, 30°, 45°, 60°	24VDC	392	12.8	186	08
LZ-22412-16	4x4W RGBW 4-in-1 LED	15°, 30°, 45°, 60°	24VDC	525	16	291	08
LZ-22412-15	1x15W Single Color CREE COB LED	18°, 24°, 38°, 60°	24VDC 220-240V	24V=342 110V=75 240V=37	24V=14.6 110V=15.2 240V=15.2	Cool White=656 Warm White=577	08
LZ-22412-10	1x10W RGBW 4-in-1 LED	18°, 24°, 38°, 60°	24VDC	358	9.6	201	08

Notes:

1. CCT of Single color available in 2200K, 2700K, 3000K, 4000K, 6000K;
2. DMX512, PWM, DALI,0/1-10V controllable support upon request;
3. Specifications are subjected to change without notice.
4. Please inquire us the dimension and installation of the products separately.

