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| PROJECT |
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |

MICRO REEF SURFACE

E10F0003-

| | | | |
|-------------|----------------------|-------------------|-----------------|
| base number | Color Temperature | Finish Options | Lens Options |
|-------------|----------------------|-------------------|-----------------|

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

| |
|---------------------------------|
| Series: Reef |
| Subseries: Micro Reef |
| Brand: Side |
| Division: Exterior |
| Mounting Type: Surface |
| Mounting Location: Above Ground |
| Subcategory: Flood |

PHYSICAL

| |
|---|
| Shape: Dome |
| Diameter (mm): 90 |
| Diameter (in): 3 9/16 |
| Length (mm): 200 |
| Length (in): 7 7/8 |
| Height (mm): 170 |
| Height (in): 6 11/16 |
| Light Distribution: Adjustable / Direct |
| Weight (kg): 0.9 |
| Weight (lbs): 1.98 |
| Diffuser: Clear tempered glass |
| Fixture Finish: WHI / BLK / GRY |
| Fixture Material: Aluminum Die Cast |

ELECTRICAL

| |
|---|
| Lamp Type: LED (Zhaga Standard) |
| Input Wattage (W): 10 |
| Total Output Wattage (W): 9 |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: No |
| Driver Location: Remote |
| Driver Type: Constant Current - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Constant Current (MA): 250 |
| Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]) 0-10Vdc dimming / Phase dimming @120Vac only / 277Vac |

LED

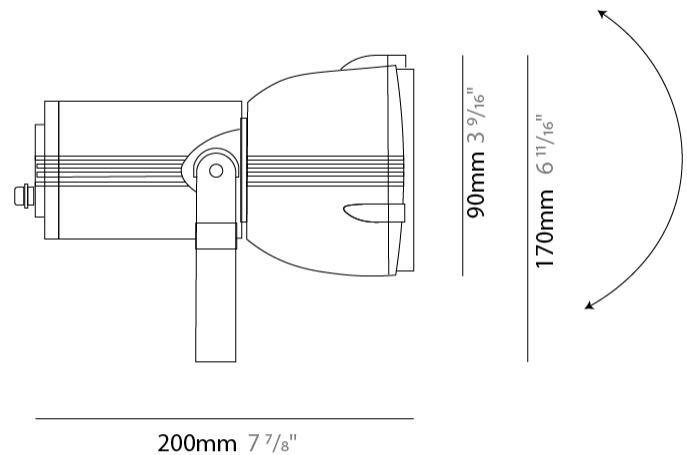
| |
|--|
| Color Temperature (°K): 3000 / 4000 |
| Max. Delivered Lumen (lm): 758 / 821.9 |
| Nominal Lumen (lm): 830 / 900 |
| CRI: >80 CRI |
| Lamp Life (hrs): 50000 |

OPTICAL

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|-----------------|
| Optic°: 10 / 25 |
|-----------------|

RATINGS AND CERTIFICATIONS

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|--|
| Certified By: Certified for North American Standards |
| IP rating: IP65 |
| IK Rating: IK06 |



MICRO REEF SURFACE

E10F0003-

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| PROJECT |
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |

MINI REEF SURFACE

E10F0015-

| | | | |
|-------------|----------------------|-------------------|-----------------|
| base number | Color Temperature | Finish Options | Lens Options |
|-------------|----------------------|-------------------|-----------------|

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

| |
|---------------------------------|
| Series: Reef |
| Subseries: Mini Reef |
| Brand: Side |
| Division: Exterior |
| Mounting Type: Surface |
| Mounting Location: Above Ground |
| Subcategory: Flood |

PHYSICAL

| |
|---|
| Shape: Dome |
| Diameter (mm): 158 |
| Diameter (in): 6 1/4 |
| Length (mm): 258 |
| Length (in): 10 3/16 |
| Height (mm): 219 |
| Height (in): 8 5/8 |
| Light Distribution: Adjustable / Direct |
| Weight (kg): 2.2 |
| Weight (lbs): 4.85 |
| Diffuser: Clear tempered glass |
| Fixture Finish: WHI / BLK / GRY |
| Fixture Material: Aluminum Die Cast |

ELECTRICAL

| |
|---|
| Lamp Type: LED (Zhaga Standard) |
| Input Wattage (W): 27.6 |
| Total Output Wattage (W): 24.3 |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Current - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Constant Current (MA): 700 |
| Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]) Remote: 0-10Vdc dimming |

LED

| |
|--|
| Color Temperature (°K): 3000 / 4000 |
| Max. Delivered Lumen (lm): 3605.9 / 3854.5 |
| Nominal Lumen (lm): 4425 / 4730 |
| CRI: >80 CRI |
| Lamp Life (hrs): 50000 |

OPTICAL

| |
|----------------------|
| Optic°: 15 / 30 / 60 |
|----------------------|

RATINGS AND CERTIFICATIONS

| |
|--|
| Certified By: Certified for North American Standards |
| IP rating: IP65 |
| IK Rating: IK06 |



MINI REEF SURFACE

E10F0015-

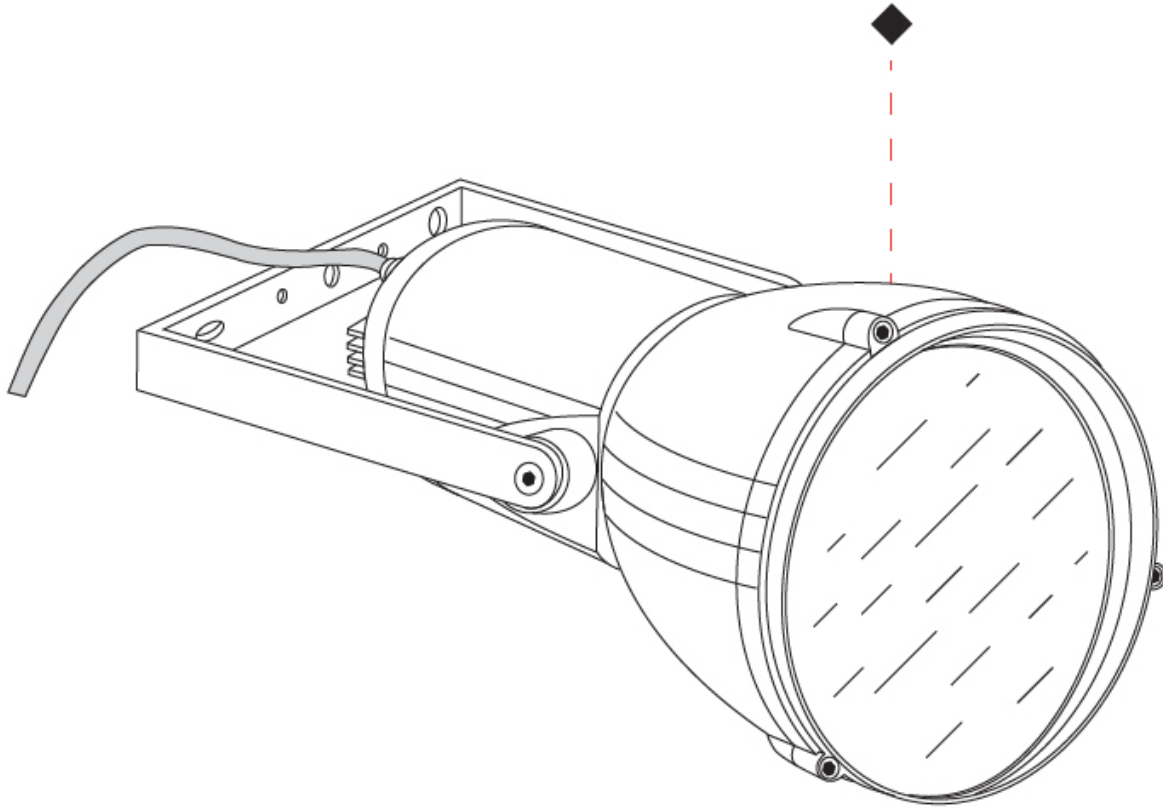
PROJECT _____

TYPE _____

SPECIFIER _____

QUANTITY _____

DATE _____



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| PROJECT |
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |

REEF SURFACE

E10F0033-

| | | | |
|-------------|----------------------|-------------------|-----------------|
| base number | Color Temperature | Finish Options | Lens Options |
|-------------|----------------------|-------------------|-----------------|

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

| |
|---------------------------------|
| Series: Reef |
| Brand: Side |
| Division: Exterior |
| Mounting Type: Surface |
| Mounting Location: Above Ground |
| Subcategory: Flood |

PHYSICAL

| |
|---|
| Shape: Dome |
| Diameter (mm): 210 |
| Diameter (in): 8 1/4 |
| Length (mm): 294 |
| Length (in): 11 9/16 |
| Height (mm): 256 |
| Height (in): 10 1/16 |
| Light Distribution: Adjustable / Direct |
| Weight (kg): 4.3 |
| Weight (lbs): 9.48 |
| Diffuser: Clear tempered glass |
| Fixture Finish: BLK / GRY |
| Fixture Material: Aluminum Die Cast |

ELECTRICAL

| |
|---|
| Lamp Type: LED (Zhaga Standard) |
| Input Wattage (W): 40.1 |
| Total Output Wattage (W): 36.5 |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Current - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Constant Current (MA): 1050 |
| Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]) Remote: 0-10Vdc dimming |

LED

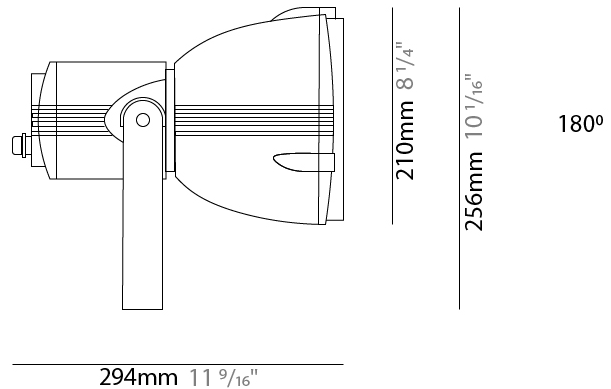
| |
|---|
| Color Temperature (°K): 3000 / 4000 |
| Max. Delivered Lumen (lm): 5452.9 / 5670.6 |
| Nominal Lumen (lm): 6010 / 6250 |
| CRI: >80 CRI |
| Lamp Life (hrs): 50000 |

OPTICAL

| |
|--------------------------------------|
| Optic°: 15 / 25 / 40 |
|--------------------------------------|

RATINGS AND CERTIFICATIONS

| |
|--|
| Certified By: Certified for North American Standards |
| IP rating: IP65 |
| IK Rating: IK06 |



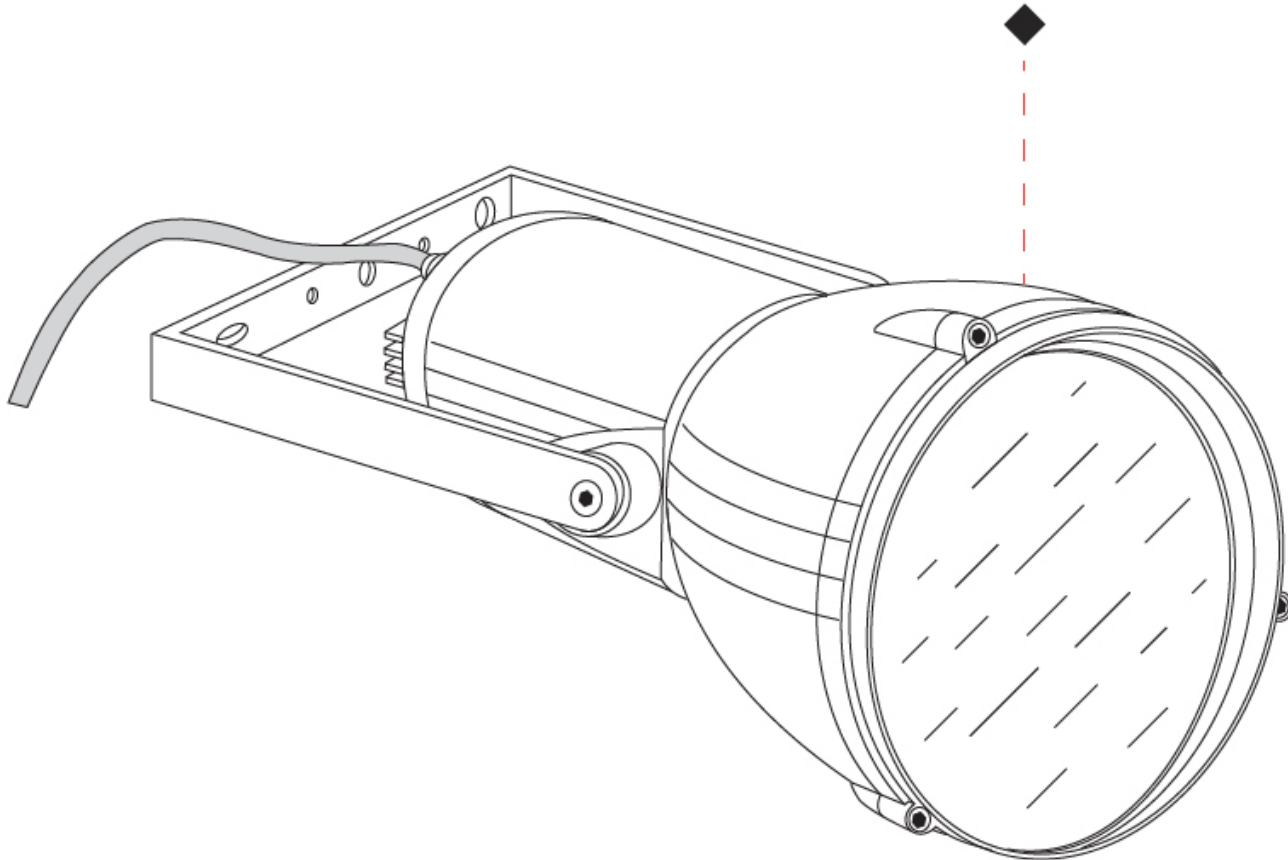
4kg / 8.82 lbs



REEF SURFACE

E10F0033-

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Fixture Finish

White - WHI



Black - BLK



Gray - GRY



Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens.

Physical: When texture is involved, there will be variations in color, character and tone within a product series and between product families.



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LEGEND

| | | |
|---|--|--|
| floor-mounted | pivotal | special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+ |
| wall and ceiling: recessed and surface mounted | rotating | warm dim / natural dimming LED |
| ceiling-mounted and wall-mounted | illuminate tilted | rechargeable battery powered |
| wall-mounted | color of suspension cable | fixture with natural vivid LED (upon request) |
| omni-directional light distribution | length of suspension cable | color rendering index |
| direct light distribution | reflector degree selection | color temperature |
| direct/indirect light distribution | super spot | lumen (luminous flux) |
| indirect light distribution | lens | efficacy (lumens per watt) |
| asymmetric light distribution | lens pack | Unified Glare Rating (UGR) range from 5-40 |
| aura light distribution | shine ring | marine grade (AISI 316 stainless steel) |
| round wall or ceiling cut-out | integrated shine ring with diffuser | walk on |
| square wall or ceiling cut-out | free individual colors 01-29 | drive on |
| the supplied jig specifies the cutout dimensions | individual colors: 00 (free of charge), 01-25 (extra charge) | Dark Sky Compliance |
| minimum distance (meters) lamp - object | luminaire part to be colored (F1) | Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor) |
| recessed depth | luminaire part to be colored (F2) | lamp protected against explosion |
| ceiling thickness in mm | luminaire part to be colored (F3) | blown glass using traditional methods by master glass blower |
| ceiling thickness selection | luminaire part to be colored (F4) | acoustic material |
| dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim) | luminaire part to be colored (F5) | protection class I, protection insulation |
| included or excluded LED driver/transformer/control gear | color of 3-circuit adaptor | protection class II, protection insulation |
| separately switchable | indirect diffuser | ETL Certified to UL and CSA Standards |
| sensor | direct diffuser | UL Certified to UL and CSA Standards |
| remote control | ball-proof (upon request) | CSA Certified to UL and CSA Standards |
| available upon request | accessory | Certified for North American Standards |

IP RATING

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|------|--|
| IP20 | protected against ingress of solid bodies greater than 12.5mm (finger) |
| IP33 | protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain) |
| IP40 | protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture |
| IP43 | protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain) |
| IP44 | protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions |
| IP54 | protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions |
| IP65 | protected against ingress of dust protected against jets of water |
| IP66 | protected against ingress of dust protected against powerful jets of water or heavy seas |
| IP67 | protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes |
| IP68 | protected against ingress of dust protected against immersion of water under pressure for long periods |

IK RATING

| | |
|------|---|
| IK01 | protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface) |
| IK02 | protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface) |
| IK03 | protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface) |
| IK04 | protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface) |
| IK05 | protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface) |
| IK06 | protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface) |
| IK07 | protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface) |
| IK08 | protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface) |
| IK09 | protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface) |
| IK10 | protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface) |