DESCRIPTION

Recessed 3.5” aperture directional luminaire with open slotted reflector utilizing an LED array. Housing is suitable for 2x8 residential or commercial constructions, airtight and can be used in direct contact with insulation. Housing platform + primary reflector + optical element combination supports various distributions, providing design flexibility. Use where high efficiency excellent light control and low aperture brightness are demanded.

SPECIFICATION FEATURES

Frame
Galvanized steel plaster frame with integral bar hanger receivers. Setscrews provide positive horizontal locking. Integral gun sights facilitate the use of guide strings or laser lines. Shipped with overspray protector installed.

Housing
Steel housing painted matte black for a visually dark interior. Removable hinged top allows top access. All fasteners are captive.

Bar Hangers
Captive preinstalled bar hangers adjust from 8-1/2” to 24” wide; pass thru feature allows shortening without removal. Captive nail penetrates standard and engineered lumber. Mounting flange levels platform with ceiling. Integral clip attached directly to tee-bar.

Universal Mounting Bracket
Accepts 1/2” EMT, C channel and bar hangers and adjusts 3” vertically from above the ceiling.

Gaskets
Closed cell gaskets achieve restrictive airflow requirements without additional caulking.

Adjustment Mechanism
Dynamic aiming rotates 365°, tilts 45° and locks in position. Angle markings assist in repeatable settings. Translating center beam optics aligns axis of primary reflector with aperture from nadir to 45°.

LED Module
Philips Fortima SLM with Lumileds Luxeon S LED array is field replaceable and conforms to Zhaga standards for interchangeability. Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation. Color rendering 80 CRI standard, 90 CRI optimal, accuracy within 3 SDCM provides excellent color. Proportional active cooling achieves L70 at 50,000 hours in IC and non IC applications.

Primary Optic
Borosilicate glass segmented optic with > 95% reflective multi-layer hard coating delivers a highly efficient and uniform beam. Various distributions are available and can be interchanged without tools. Elastomeric glare shield accepts theatrical color filters and diffusion films.

Media
Optional media holder accepts one or two 3.0mm thick color filters or beam modifying lens. Order media holder, color filters and lens separately.

Lower Reflector
Spun 0.04” thick aluminum with slotted parabolic contour provides 50° room side cutoff and is available in a wide range of specular and semi-specular Alzak® finishes. Light trap eliminates spill light at edge of flange and reflector. Metal trim ring can be removed for painting and can be installed flush mount with optional flush mount collar accessory.

Trim Retention
Retained with two torsion springs holding the flange tightly to the finished ceiling surface and accommodates ceiling thickness from 1/2 - 1” thick.

Junction Box
(6) 1/2” and (2) 3/4” trade size pry outs positioned to allow straight conduit runs.

Driver
Integral 120 or 277V 60 Hz constant current driver provides noise free operation. Monitors LED array and reduces power if safe operating temperature of LED’s is exceeded. Continuous, ficker-free dimming from 100% to 10%. Available with trailing edge phase cut, 0 -10V and DALI digital control interfaces.

Compliance
Type IC inherently protected, suitable for direct contact to insulation and cULus listed for damp locations. Restrictive airflow per ASTM E283. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 consumer limits. Contains no mercury or lead and RoHS compliant.

Efficiency Database for current listings.

Energy Data

<table>
<thead>
<tr>
<th>Lumens</th>
<th>900 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage (V)</td>
<td>120</td>
</tr>
<tr>
<td>Input Current (A)</td>
<td>0.18</td>
</tr>
<tr>
<td>Input Power (W)</td>
<td>20.4</td>
</tr>
<tr>
<td>THD: ≤ 20%</td>
<td>14</td>
</tr>
<tr>
<td>PF: ≥ 0.90</td>
<td>0.90</td>
</tr>
<tr>
<td>Ambient: -20 to +40°C</td>
<td></td>
</tr>
</tbody>
</table>

3 year warranty.

Specifications and dimensions subject to change without notice.
Consult your representative for additional options and finishes.

Prepared By

Cooper Lighting is a founding member of the Zhaga Consortium

IRIS®
Specifications and dimensions subject to change without notice.
Consult your representative for additional options and finishes.