

Visual - Interior Tool



Wednesday, February 17, 2016

Design Information

Project Name
Project
Description

Your Name
Company Name
Your Phone
Your Email

Calculation Results

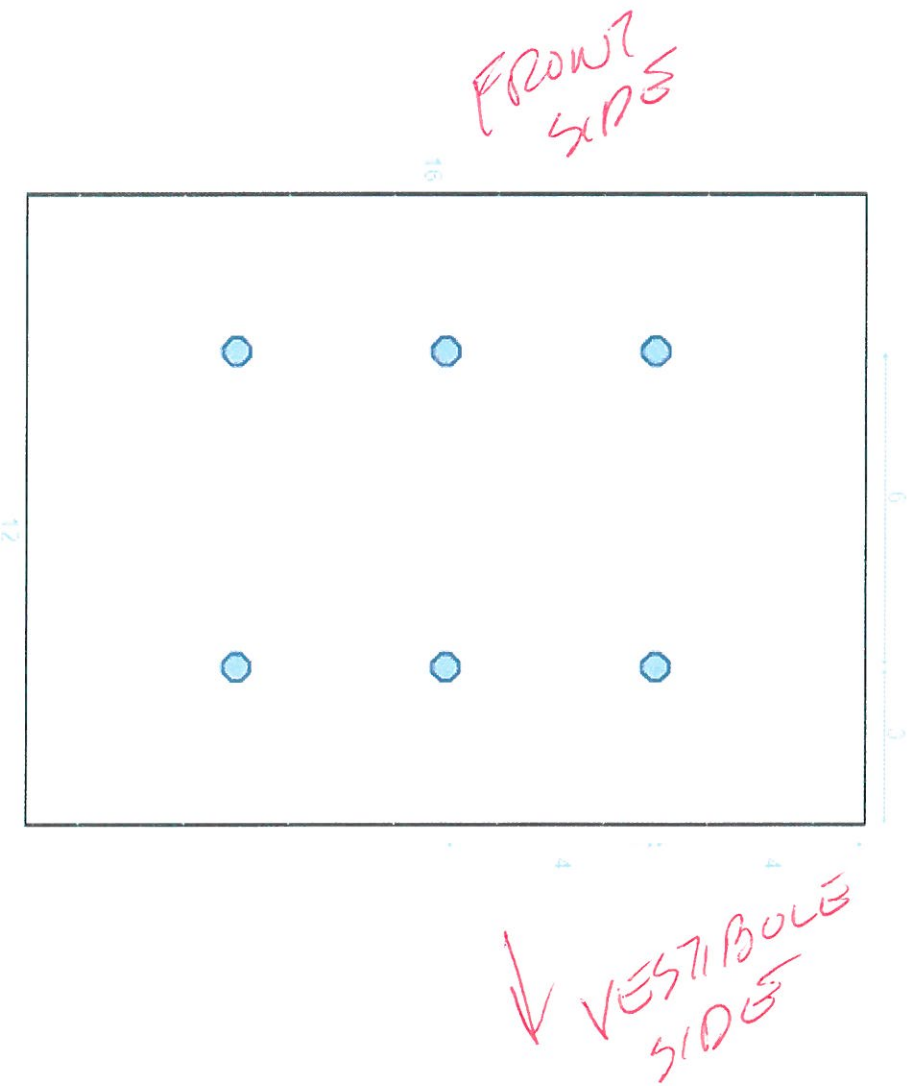
Illuminance 22 fc
Power Density 0.56 W/ft²
Quantity 6

Spacing Results

Spacing 6 x 4 ft
Arrangement 2 x 3
Offset X 2.74 ft
Offset Y 3.74 ft

Room Summary

Length 12 ft
Width 16 ft
Height 12 ft
Workplane 1 ft
Reflectances
Ceiling 70 %
Walls 50 %
Floor 20 %



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Design Information

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Calculation Results

Illuminance 19 fc
Power Density 0.56 W/ft²
Quantity 4

Spacing Results

Spacing 4 x 8 ft
Arrangement 2 x 2
Offset X 1.74 ft
Offset Y 3.74 ft

Room Summary

Length 8 ft
Width 16 ft
Height 12 ft
Workplane 1 ft
Reflectances
Ceiling 70 %
Walls 50 %
Floor 20 %



HALO LED ICAT HOUSING for NEW CONSTRUCTION

The H750ICAT is a dedicated LED new construction housing to be used with designated HALO LED modules. The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. This AIRTITE housing design prevents airflow between conditioned and unconditioned spaces and saves on both heating and air conditioning costs. The LED connector system provides high efficacy code compliance when used with designated HALO LED modules and trims.

HALO®

Catalog #		Type
Project		
Comments		Date
Prepared by		

DESIGN FEATURES

Housings

Aluminum construction for greater heat dissipation. H750 ICAT housing is gasketed to prevent airflow from heated or air conditioned spaces.

Plaster Frame

Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Regressed locking screw for securing hanger bars. Cutouts included for easily crimping hanger bars in position

Slide-N-Side™ Junction Box

- Positioned to accommodate straight conduit runs.
- Seven ½" trade size conduit knockouts with true pry-out slots.
- Slide-N-Side wire traps allow non metallic sheathed cable to be installed without tools and without removing knockouts.
- Allows wiring connections to be made outside the box.
- Simply insert the cable directly into the trap after connections are made.
- Accommodates the following standard non-metallic sheathed cable type:
- U.S. #14/2, #14/3, #12/2, #12/3
- Canada: #14/2, #14/3, #12/2

GOT NAIL! Pass -N-Thru™ Bar Hangers

Bar Hanger features include

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams.
- Safety and Guidance system prevents snagging, ensures smooth, straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and allows holding the housing in place with one hand while driving nails.
- Housing can be positioned at any point within 24" joist spans
- Score lines allow tool-free shortening for 12" joists and bar hangers do not need to be removed for shortening.
- Bar hangers may be repositioned 90° on plaster frame
- Integral T-bar clip snaps onto T-bars – no additional clips are required.

LED Module Connection

Halo LED modules simply install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw-base connection preserves the high efficacy rating and prevents use of low efficacy incandescent sources (see LED Module specifications).

Caution

Connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

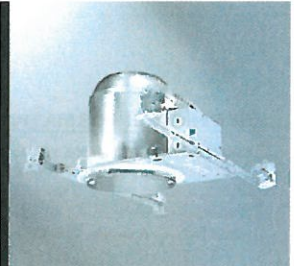
Labels

- UL/cUL Listed 1598 Luminaire
- CE Marking - "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with ML56 Series LED modules
- UL/cUL Listed for Feed Through
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location with select trims
- UL/cUL Listed for direct contact with insulation and combustible material*
- Rated for 20W maximum

Qualification

May be used with qualified Halo LED modules and designated trims for High Efficacy Luminaire Compliance:

- State of California Title 24
- International Energy Conservation Code (IECC)
- Washington State Energy Code
- New York State Energy Conservation Construction Code - AIR-TITE™ Compliant
- Certified under ASTM-E283 standard for air-tight construction



H750ICAT

6" New Construction IC AIR-TITE™ Housing For Halo LED Modules and Trims

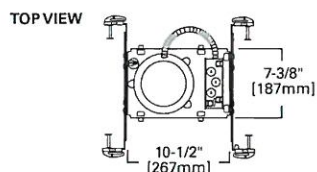
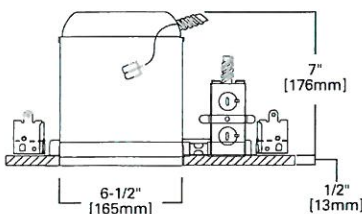
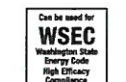
- ML56 Series
- RL56 Series
- RA56 Series

High Efficacy LED Housing

FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION*

airtite



Lithonia Lighting [A] - LDN6 30/10 LO6AR

Light Loss Factor	1	Lamp Lumens	1059	Wattage	18 Watts
Suspension Length	0 ft	Lamp Quantity	1	CU	0.68



These lighting calculation results are for general informational purposes only and are provided without warranty as to accuracy, completeness, reliability or otherwise. Results are based on user provided data and data provided from publicly available sources; actual field conditions may affect calculated output. Visit www.Visual3D.com.