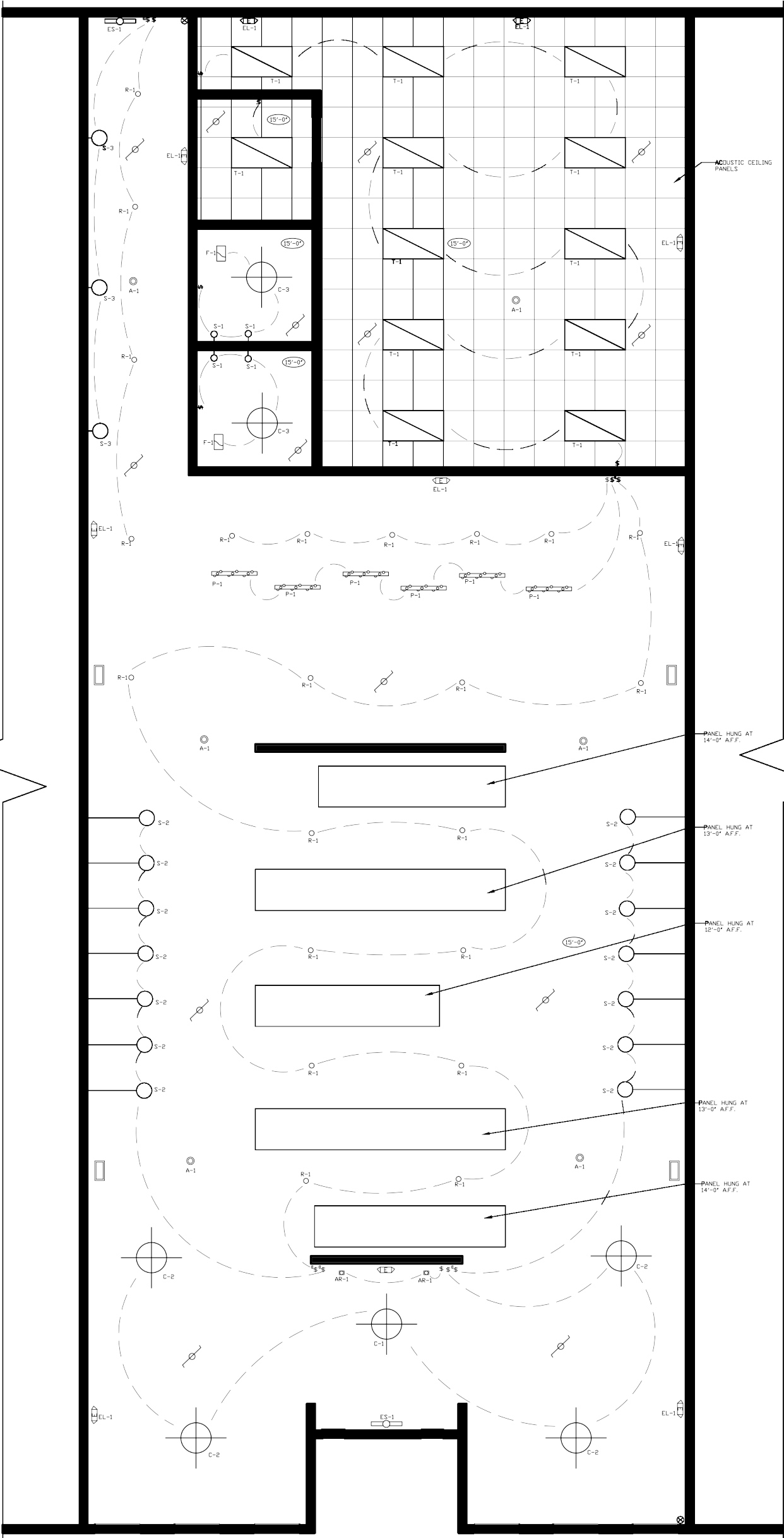# SKIPPERS LIGHTING PROJECT

ABIGAIL PACE
FACS 442: LIGHTING DESIGN
APRIL 21, 2022

AP
INTERIORS

DESIGN STATMENT

Skippers is a restaurant creating an upscale dining experience right off the lake. Its furnishings are minimal and border on contemporary. The intent of the lighting and ceiling design suggested is to make a bold statement in the restaurant so guests are drawn in by it. Since Skippers is right on Smith Mountain Lake, all the lighting chosen is to complement the lake. The lighting suggestions throughout carrying the contemporary theme with pops of blues and greens to allow the atmosphere to mimic lake features with an elevated take. The layout of the lighting creates unity, balance, and variety. To enhance the space, more bold statement lighting has been chosen to create emphasis, drawing the guests' attention but also remaining functional if tables are adjusted in the future. The Kelvin temperature of all the lighting is warmer to enhance the upscale atmosphere but the amount of light can be adjusted throughout the duration of the day. Daylight controls have also been included via automated shades over the windows. The ceiling features multiple pre-drilled Varia Ecorsin panels made from a resin that mimics seaweed. These hang at various lengths to mimic the movement of the lake waters and provide rhythm throughout the central space. The combination of the lighting, ceiling and safety features enhances the entirety of the atmosphere making the whole guest experience better. These lighting and ceiling suggestions will draw in guests, making Skippers a place they want to keep coming back to because of how enticing the atmosphere is.

ACOUSTIC CEILING
PANELS

PANEL HUNG AT
14'-0" A.F.F.

PANEL HUNG AT
13'-0" A.F.F.

PANEL HUNG AT
12'-0" A.F.F.

PANEL HUNG AT
13'-0" A.F.F.

PANEL HUNG AT
14'-0" A.F.F.

SKIPPERS RESTAURANT RCP
SCALE: 1/8" = 1'-0"

COMMERCIAL LIGHTING PROJECT

AP
INTERIORS

ABIGAIL PACE
FACS 442
LIGHTING DESIGN
APRIL 21, 2022

PROJECTED FLAT VIEW
DUE TO NATURE OF SHAPES, DIMENSIONS ARE APPROXIMATE

4" OFFSET LINE, TYP.

12"
[304.80mm]

18 1/2"
[469.67mm]

45 7/8"
[1166mm]

10 1/4"
[259.89mm]

89 7/8"
[2282.65mm]

45 3/16"
[1147.93mm]

34 7/8"
[886.57mm]

12"
[304.80mm]

12"
[304.80mm]

10 1/4"
[259.89mm]

12"
[304.80mm]

89"
[2260.59mm]

PROJECTED VIEW DIAGRAM

ADIAGO

400.02 - READY TO GO SOLUTION

3form

Page 5 of 9

KEYED NOTES

REFER TO READY TO GO DOCUMENTS FOR PART QUANTITIES, PRICING, AND KIT INFORMATION

REFER TO 3form ANCHORING SOLUTION DOCUMENT FOR ANCHORING INFORMATION AND LIMITATIONS: WWW.3-FORM.COM/ANCHORING
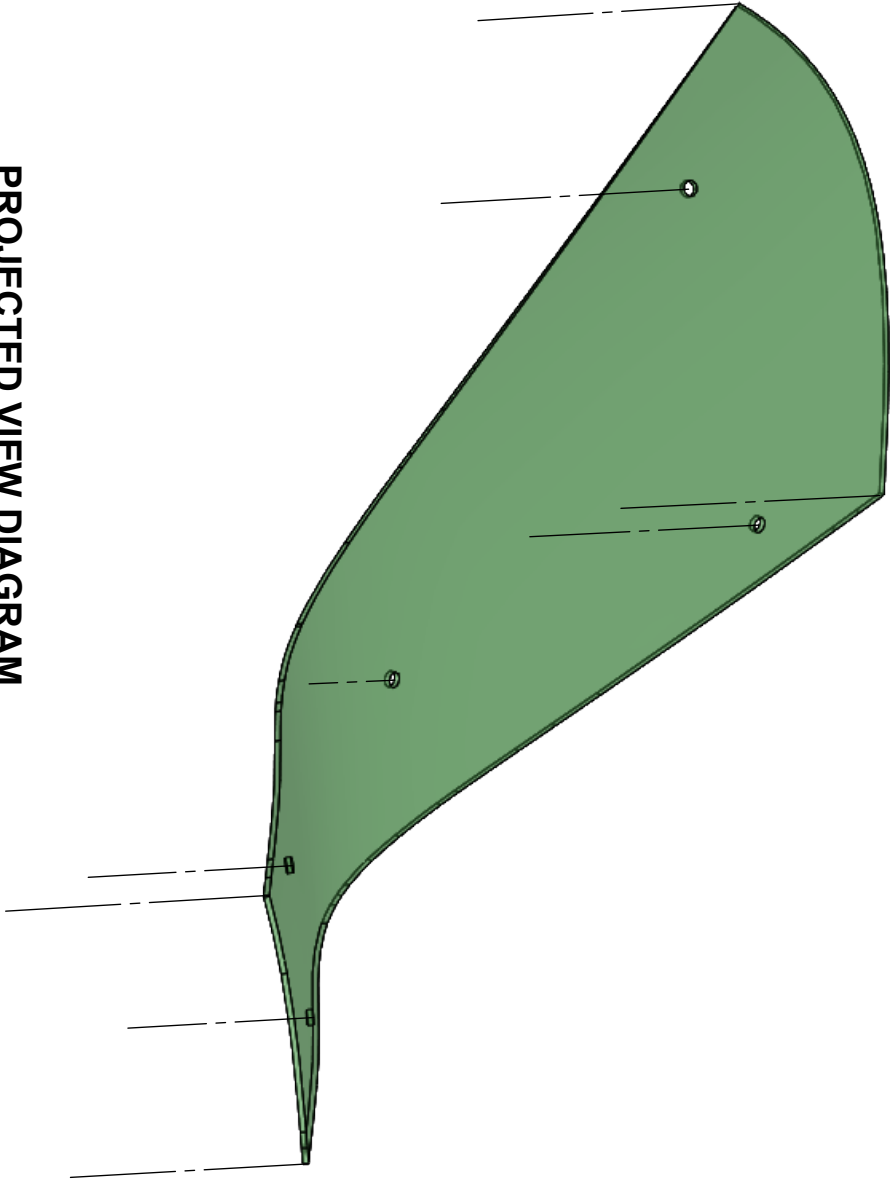
ALL DIMENSION IN THIS DOCUMENT BASED ON MAX PANEL SIZE RELATIVE TO SOLUTION

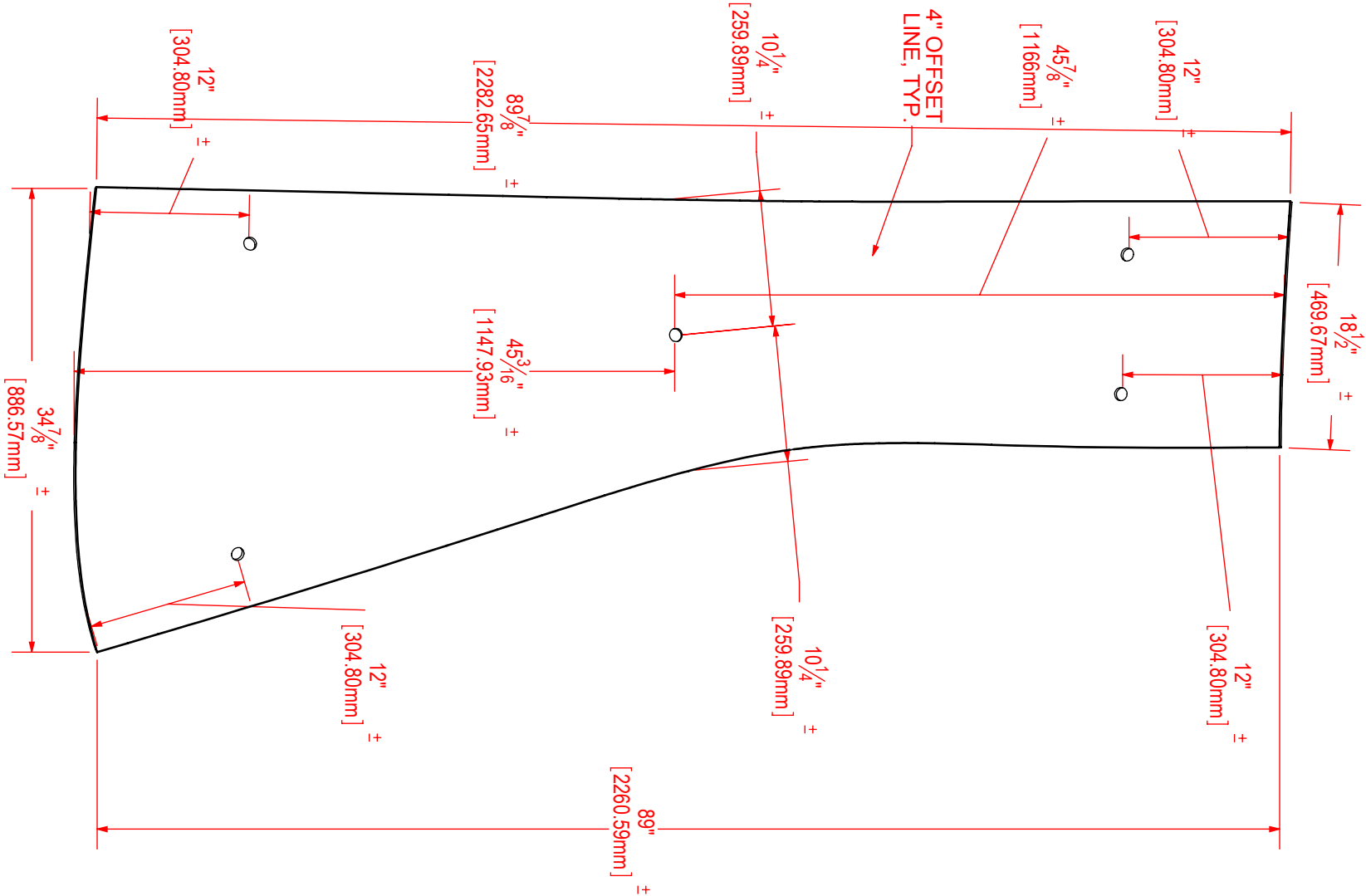FOR TECHNICAL INFORMATION REFER TO WWW.3-FORM.COM/HARDWARE

FOR GAUGE COMPATABILITY INFORMATION REFER TO WWW.3-FORM.COM/GAUGE

DIMENSIONS WITHIN THIS SURROUND CAN BE MODIFIED WITHIN PANEL OR HARDWARE LIMITATIONS, SEE SOLUTION DOCUMENTS

STROBE LIGHT
HEARING IMPAIRED

BRK®

THE PROFESSIONAL STANDARD

CAT. SL177

SMART STROBE
Seperate flash patterns to distinguish between smoke and carbon monoxide.

177 CANDELA XENON STROBE
Powerful 177 candela xenon strobe light provides effective visual warning to hearing impaired residents.

1Hz FLASH RATE
60 flashes per minute rate meets ADA, ANSI 117.1, NFPA 72 and UL1971 requirements for visual signal devices.
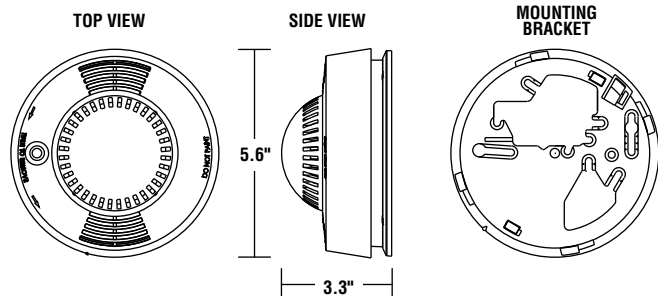
120V AC, 60Hz Wire-in

Description:

BRK Model SL177 is an ADA hearing impaired strobe light specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories, and other multifamily dwellings as defined in standard NFPA 101. Model SL177 has been fully tested and complies with Americans with Disabilities Act (ADA), Underwriters Laboratories, Inc. Signaling Devices for the Hearing Impaired UL1971, ANSI 117.1, CSFM, NFPA 72, and NFPA 101 and with model building codes published by the ICC.

BRK Model SL177 is a state of the art Strobe Light designed to provide hearing impaired individuals with a visual warning of a fire or a carbon monoxide danger when used with smoke, heat or carbon monoxide alarms. The Smart Strobe has separate flash patterns to distinguish between smoke/heat and carbon monoxide dangers. These different patterns are to help a hearing impaired person better distinguish the danger present. The 177 candela Xenon strobe meets UL 1971 requirements and flashes at a rate of an average of 60 times a minute. The SL177 operates on 120V AC and features a green LED that signals the unit is receiving power. Interconnectable with up to 18 devices, of which 12 can be smoke alarms. Model SL177 was designed with quick and easy installation in mind. Designed to cover most drywall cut-outs, the specially designed mounting bracket mounts on any electrical box up to 4" octagonal and does not require screw removal. Connection to AC power is made with a "Quick-Connect" wiring harness.

LIMITED 10 YEAR WARRANTY

Listed to UL 1971 Standard

CAT. SL177

TOP VIEW   **SIDE VIEW**   **MOUNTING BRACKET**

5.6"

3.3"

ARCHITECTURAL AND ENGINEERING SPEC

The strobe light shall be a BRK Model SL177 and shall provide at a minimum the following features and functions:

1. A 177 candela Xenon strobe.
2. The strobe light shall be powered by 120V AC.
3. The Smart Strobe shall have separate flash patterns to distinguish between smoke/heat and carbon monoxide dangers.
4. A visual LED (green) power-on indicator to confirm the unit is receiving AC power.
5. The unit shall be capable of operating between 40°F and 100°F (4-38°C) and relative humidity of 10% and 90%.
6. The unit shall mount to any standard electrical box up to 4" octagonal without screw removal and shall be listed for ceiling or wall mounting.
7. The unit shall have a plug-in connector and be capable of interconnection up to 18 multiple station alarms per NFPA 72.
8. The unit shall at a minimum meet the requirements of UL1971, ADA, ANSI 117.1, CSFM, NFPA 72, NFPA 101 and the ICC.

INSTALLATION OF ALARM

Installation of this strobe light must conform to all local electrical codes and Article 760 of the National Electrical Code (NFPA 70) and NFPA 72. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker. If local codes do not permit, be sure the neutral wire is common to both phases.

THE PARTS OF THIS STROBE LIGHT

1. Keyhole Mounting Slots
2. Mounting Bracket
3. Alignment Arrow (Bracket)
4. Alignment Arrow (Alarm)
5. Wire Strip Gauge
6. Hot (Black) AC Wire
7. Neutral (White) AC Wire
8. Interconnect (Orange) Wire

A. Unswitched 120VAC 60 Hz source
B. To additional units; Maximum = 18 total
(Maximum 12 Smoke Alarms)

1. Strobe Light	5. Junction Box
2. Ceiling or Wall	6. Neutral Wire (White)
3. Power Connector	7. Interconnect Wire (Orange)
4. Wire Nut	8. Hot Wire (Black)

UL1971 Signaling Devices Light Dispersion Chart

LIGHT   CEILING

FIGURE 1: Light Output for Ceiling Mount

WALL

LIGHT

FIGURE 2: Light Output for Wall Mount

Angle (In Degrees)	Percent Light Intensity
0	100
5-25	90
30-45	75
50	55
55	45
60	40
65	35
70	35
75	30
80	30
85	25
90	25

TECHNICAL SPECS

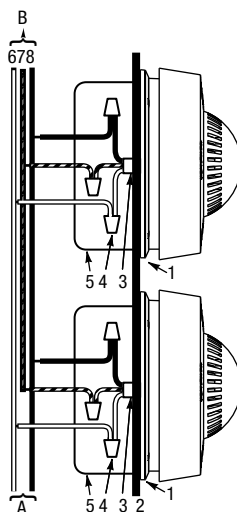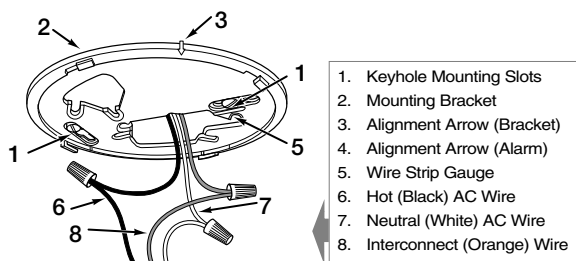|	
Alarm Dimensions:	5.6" dia x 3.3"H
Weight:	9.9 oz
Operating Voltage:	120V AC 60Hz
Operating Current:	.05 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 90% relative humidity (RH)
Test:	To test this strobe light you must activate the test button of each inter-connected, smoke, CO or heat alarm.
Interconnections:	Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms. See user's manual for details.
Indicator Lights: AC Power:	Constant Green LED
Listing:	Listed to UL1971 Standard

SHIPPING SPECS:

Individual Carton Dimensions	5.75"L x 3.75"W x 6.00"H
Weight	0.81 lbs.
Cube	0.08 ft3
UPC	0 29054 00270 9
Master Carton Dimensions	17.67"L x 7.94"W x 12.75"H
Master Pack	12
Weight	12.7 lbs
Cube:	1.04 ft3
I2of5:	100 29054 00270 6
Pallet Information	
Cases per Layer	12
Number of Layers:	3
Cases per Pallet:	36
Units per Pallet:	432
Cube:	42.2 ft3
Weight:	524 lbs.

BRK®
THE PROFESSIONAL STANDARD
brkelectronics.com

Lightology

AR-1

Low Voltage 2.5IN RD Adjustable Trim

ITEM NUMBER   WAC23951

BRAND   WAC Lighting

DESCRIPTION

Low Voltage 2.5 Inch Round Adjustable Trim is a die-cast trim in abrasion resistant powder coat paint or plated metal finish for use with HR-800 series low voltage housings. Clear lens included. 25 degree adjustment from vertical. Available with LED or halogen lamp options. A complete fixture includes a housing and trim, sold separately.

Shown in: White / Clear

TRIM COLOR	Clear
BODY FINISH	White
WATTAGE	50W
DIMMER	Low Voltage Electronic
DIMENSIONS	3.44"W x 0.19"H
LAMP	1 x MR16/GU5.3 (bipin)/50W/12V Halogen
	1 x MR16/GU5.3 (bipin)/12V LED

Technical Information

FUNCTION	Adjustable Accent
CEILING TYPE	Drywall with Trim
APERTURE SHAPE	Round
APERTURE SIZE	2.500"

ITEM NUMBER	WAC23951

COMPANY	PROJECT	FIXTURE TYPE	APPROVED BY	DATE

Tilda Chandelier

ITEM NUMBER   AHM82607
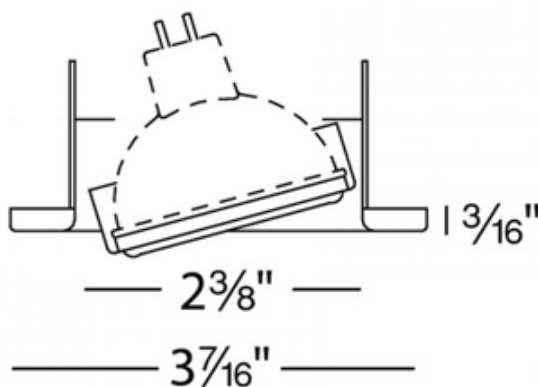
DESIGNER   Mark Moussa
BRAND   Arteriors Home

DESCRIPTION

The Tilda Chandelier features several tiers of wooden sticks on curved iron arms that will add a unique and intriguing touch to any space.Due to the organic nature of the wood used to create Tilda, each piece will vary slightly in size and shape. The wooden rods will eventually crack which is an inherent feature of solid wood.

Shown in: White

SHADE COLOR	N/A
BODY FINISH	White
WATTAGE	125W
DIMMER	Standard 120V
DIMENSIONS	21"W x 29"H
LAMP	5 x B10/Candelabra (E12)/25W/120V Incandescent
	5 x B10/Candelabra (E12)/120V LED

Technical Information

PRODUCT DIMENSIONS	Adjustable Chain Length: 36"

ITEM NUMBER	AHM82607

COMPANY	PROJECT	FIXTURE TYPE	APPROVED BY	DATE

dutton brown

Measurements:

Canopy	5.7"
Fixture Height	10.5"
Hanging Height	13-31"
Width	30"
Weight	12 lbs

Available Finishes:

Satin brass, polished nickel, and satin black

Available in multiple colors. Custom colors also available.

Material:

Brass, steel

Wiring:

Configured to be hard-wired

Lampholder:

Ten medium base (E26) sockets

Rating:

120V 60Hz, MAX 60W, Type A bulbs (not included); fixture is dimmable. Fixture may be labeled for lower maximum wattage to meet energy efficiency requirements by request. UL listed for dry locations. Damp location available by request.

c (UL) US

Hanging Method:

Fixture includes two 6" rods and one 12" rod. Minimum fixture height of 13" achieved using one 6" rod. Extension rods may be added and are available in 2", 4", 6", and 12" lengths.

Lightology

C-3

Renee Chandelier

ITEM NUMBER   MTZ871336

BRAND   Mitzi

DESCRIPTION

The Renee Chandelier offers a sleek, versatile design that features an array of Opal glass globe shades with accenting Black caps held into tall curving arms available finished in Aged Brass or Polished Nickel. UL and cUL listed for damp locations.

Shown in: Aged Brass / Black / Opal

SHADE COLOR	Opal
BODY FINISH	Aged Brass / Black
WATTAGE	40W
DIMMER	Standard 120V
DIMENSIONS	28"W x 19"H
LAMP	5 x A19/Medium (E26)/8W/120V LED
	5 x A19/Medium (E26)/120V LED
	5 x A19/Medium (E26)/60W/120V Incandescent

Technical Information

PRODUCT DIMENSIONS Downrods: One 3",One 6", One 12", and Two 18" Included

ITEM NUMBER   MTZ871336

COMPANY	PROJECT	FIXTURE TYPE	APPROVED BY	DATE

STANDARD LED EMERGENCY LIGHT

Code: EL-2

The EL-2 series combines traditional emergency lighting and energy efficiency LED performance for a maintenancefree, dependable design.

Compatible Battery: BAA-36900

Compatible Remote Head(s): RHP-L-3V, RHB-WPL-3V, RHB-L-3V

FEATURES

- UL 924, NEC, OSHA and NFPA 101 Life Safety Code
- Listed for damp location
- Two fully adjustable, glare-free LED lighting heads
- LED indicator light with push-to-test switch
- Lightweight, injection molded, 5VA flame retardant thermoplastic housing
- 120/277 VAC operation
- Universal mounting plate
- Short circuit, voltage surge, brown out and low battery voltage disconnect protected

WARRANTY INFORMATION

Any component that fails due to manufacturer's defect is guaranteed for 1 year. The warranty only covers products installed and maintained in accordance with the instructions provided by their respective manufacturer and no warranty is made with respect to any of our products that are otherwise installed or maintained. For full warranty details, visit our Warranty Section.

Conformance to Codes and Standards

The EL-2 series is UL listed and meets or exceeds the following: UL 924, NEC, OSHA and NFPA 101 Life Safety Code requirements.

ORDERING INFORMATION

Series	Housing Color	Operation Type	Options
EL-2	W (White)	BB (Battery Backup)	SV (220V/50Hz Special Voltage)
	B (Black)	ST (Self Testing)	ULC (UL Listed Canada)
		RH (Remote Head Capable)	3F (3' Extension Cord)

CONSTRUCTION

The EL-2 series is constructed from injection-molded, engineer-grade, 5VA flame retardant thermoplastic. White housing is standard. Also available in black housing.

ILLUMINATION

EL-2 emergency lamps use long-lasting, efficient ultra bright white LEDs. Fully adjustable 1.8W LED lamp heads equipped with 8 series-parallel white LEDs each. Lamp heads are on track-and-swivel arrangement allowing lamp heads to be fully adjustable.

ELECTRICAL COMPONENTS

Dual voltage input 120/277 VAC operation. LED display indicates AC/ON. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit. Unit offers surge protected, solid state circuitry. 220V/50Hz option available as well but only on the standard battery backup model.

EMERGENCY OPERATION

Upon failure of the normal utility power, an internal solidstate transfer switch automatically provides uninterrupted emergency operation for at least 90 minutes. If remote head capability is used without connecting additional remote heads, the battey can provide a run-time of 180 minutes. The fully automatic solid-state, two-rate charger initiates battery charging to recharge a discharged battery in 24 hours.

BATTERY - BATTERY BACKUP

The EL-2 Emergency Lights series is designed with a maintenance-free 3.6V 900mAh NiCad battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is 24 hours. Operational temperature range is 50°F (10°C) to 104°F (40°C).

PHOTOMETRICS

Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 18ft for a 3ft path of egress**.

Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 14ft for a 6ft path of egress**.

SELF-TESTING OPTION

Continuously monitors the AC power, battery supply voltage, emergency lamp and charging circuit. The multi-color LED indicator light will indicate failure and adjust when it has been corrected. Unit will automatically perform NFPA required monthly and annual testing. Refer to user manual for details.
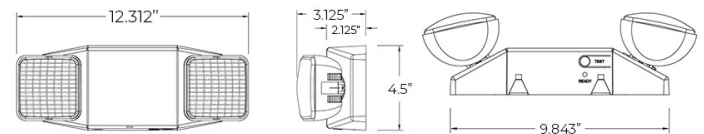
REMOTE HEAD CAPABLE OPTION

The remote head capability option allows the EL-2 unit to supply power to up to two additional 3.6V LED remote heads. The remote heads would then operate on the same emergency mode as the standard units (see Emergency Operation Section).
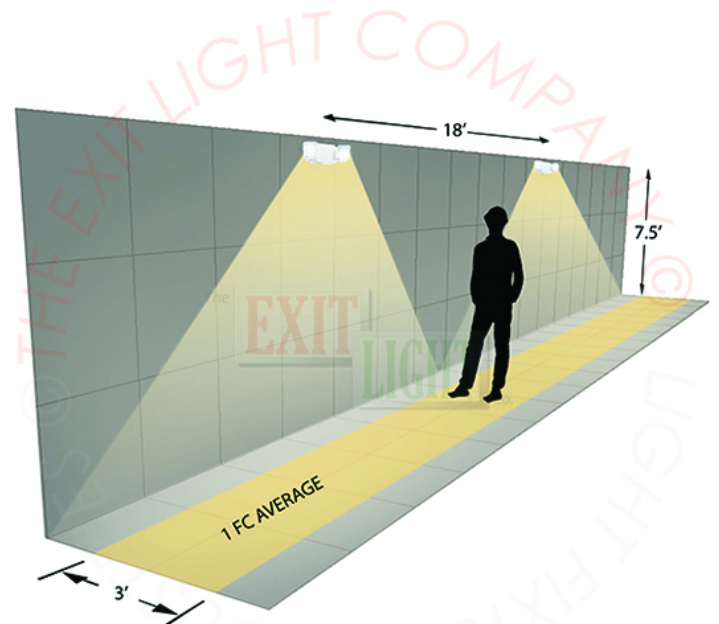
INSTALLATION

The EL-2 is suitable for wall or ceiling mount. Snap together design allows for quick and easy installation. Conduit mount knockout on back plate only.

DIMENSIONS

12.312"
3.125"
2.125"
4.5"
9.843"

Weight : 6.00 lb

18'
7.5'
1 FC AVERAGE
3'

THE EXIT LIGHT CO.

EDGE LIT RED LED EXIT SIGN | SURFACE MOUNT | ADJUSTABLE ANGLE

Code: ELRT

FEATURES

- UL 924, NEC, OSHA and NFPA 101 Life SafetyCode
- Listed for damp location
- Most versatile edge lit exit sign on the market
- Wall, sloped, high, or standard ceiling and recessed mount available
- Aluminum housing with high grade acrylic face
- Field Installable Arrows for Left, Right or Both directions.
- Long life LED illumination
- Test switch and charge rate indicator on battery backup models
- Dual 120/277 volt operation
- NON CEC Compliant

WARRANTY INFORMATION

Any component that fails due to manufacturer's defect is guaranteed for 1 year. The warranty only covers products installed and maintained in accordance with the instructions provided by their respective manufacturer and no warranty is made with respect to any of our products that are otherwise installed or maintained. For full warranty details, visit our Warranty Section.

Conformance to Codes and Standards

The ELRT series is UL listed and meets or exceeds the following: UL 924, NEC, OSHA and NFPA 101 Life Safety Code requirements.

The ELRT series re-invents the meaning of versatility and allows one sign to meet multiple mounting needs. Snap-in design, quality construction and elegant appearance make it a must-have.

Compatible Battery: B3A-48

ORDERING INFORMATION

Series	Letter Color	Housing Color	Operation Type	Sides
ELRT	R (Red)	A (Brushed Aluminum)	BB (Battery Backup)	SC (Single Clear)
	G (Green)	W (White)	AC (AC Only)	SM (Single Mirrored)
		B (Black)	ST (Self-Testing)	DM (Double Mirrored)

CONSTRUCTION

The ELRT Edge Lit Exit Sign housing is constructed of die-cast aluminum housing with an etched, clear acrylic panel. Double sided panel comes as mirrored configuration. Lettering is 6" high with 3/4" stroke. Aluminum housing is standard, black and white housing available.

ILLUMINATION

The ELRT Exit Sign series provides a long life LED illumination. The unit is constructed with a red or green high output LED board. Energy consumption is rated at less than 3 watts for the AC only model units. Battery backup units energy consumption is rated at less than 5 watts.

ELECTRICAL COMPONENTS

Dual voltage input 120/277 VAC operation. LED display indicates AC/ON. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit. Unit offers brown out, overload and short circuit protection.

EMERGENCY OPERATION

Upon failure of the normal utility power, an internal solidstate transfer switch automatically provides uninterrupted emergency operation for at least 90 minutes. The fully automatic solid-state, two-rate charger initiates battery charging to recharge a discharged battery in 24 hours.

BATTERY - BATTERY BACKUP

The ELRT series is designed with a 4.8 Volt maintenance-free NiCad battery. The battery is protected by a low voltage cut-off circuit. The operating temperature range for the battery is 32°F (0°C) to 104°F (40°C).

SELF-TESTING OPTION

This unit continuously self checks for proper operation. The multi-color LED indicator light will indicate the status after testing and adjust when corrected. The unit will self test in emergency mode for up to the full 90 minute duration to ensure proper operation during an actual power failure.

INSTALLATION

The ELRT is suitable for wall, sloped, high or standard ceiling mounting. Recessed mounting option allows unit to be ceiling recessed for drop ceiling or new construction application only. Includes field installable directional arrow indicators. All hardware is included.

DIMENSIONS
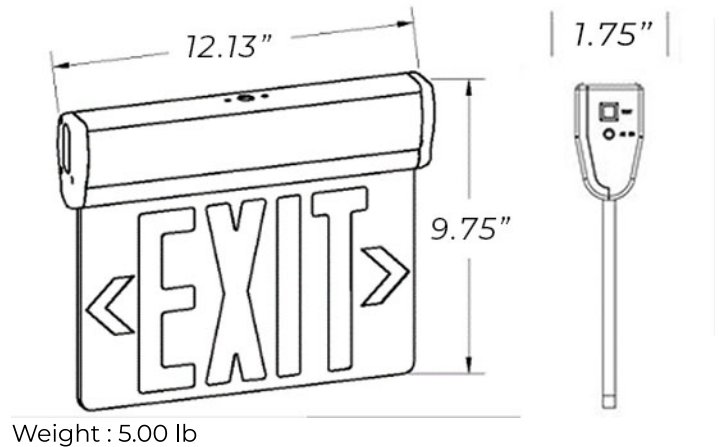
Weight : 5.00 lb

Slim Fit Square Profile Quiet Bathroom Exhaust Fan   F-1

By Aero Pure

Slim Fit Square Profile Quiet Bathroom Exhaust Fan
By Aero Pure

Product Options

Color: White,
Airflow: 110

Details

- Certified HVI
- Energy Star® Qualified
- Metal duct adaptor included for 4", 5", and 6" diameter
- 80 CFM, 0.4 Sones; 110 CFM, 1.1 Sones
- Material: Metal construction
- Motor Type: AC
- Fan Airflow Efficiency (at high speed): 4 CFM/Watt
- Title 24 compliant
- Energy Star Qualified
- Installation Type: Ceiling Mount
- ETL Listed
- Warranty: 6 years
- Made In China

Dimensions

110 Option Fixture: Length 10.25", Width 10.25", Height 7.5"

Additional Details

AirFlow: 110 to 80 cfm
AirFlow Efficiency: 4 cfm/watt
Energy Use: 18 to 25 watts
Product URL:
https://www.lumens.com/slim-fit-square-profile-quiet-bathroom-exhaust-fan-by-aero-pure-AER2049678.html
Rating: ETL Listed

ITEM#: AER2049678

Notes:

Prepared by:

Prepared for:
Project:
Room:
Placement:
Approval:

Created April 20th, 2022

Willow LED Linear Pendant   P-1

By hollis+morris

Willow LED Linear Pendant
By hollis+morris

Product Options

Metal Finish: Black,
Size: Medium,
Wood Finish: W.Oak Natural

Details

Designed by Mischa Couvrette in 2019
Material: Solid Wood ,Spun Brass
Shade Material: Hand Blown Glass
Dimmable when used with a Electronic low voltage (ELV) Dimmer (Not Included)
UL Listed
Made In Canada

Dimensions

Medium Option Fixture: Width 60", Height 11.25", Depth 6.5"
Medium Option Maximum Hanging: Length Adjustable From 17.25", Adjustable To 131.25"

Lighting

Medium

Lamp Type	LED Built-in
Total Lumens	840
Total Watts	75.00
Volts	120
Color Temp	3000 (Soft White)
CRI	90
Equivalent Halogen, CFL or LED Bulb Can Be Used	No

Additional Details

Product URL:
https://www.lumens.com/willow-led-linear-pendant-by-hollisandmorris-HOL1874370.html
Rating: UL Listed

ITEM#: HOL1874370

Notes:

Prepared by:

Prepared for:
Project:
Room:
Placement:
Approval:

CS CONTRACTOR SELECT™

LITHONIA LIGHTING

Contractor Select™

WF4E

Wafer Static LED Recessed Downlight

The 4" Wafer-Thin LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the need for a recessed housing. The innovative, slim design allows for easy retrofit, remodel or new construction installation from below the ceiling. The Wafer downlight provides general illumination in residential and commercial applications including multi-family and hospitality. Ideal for use in living and dining areas, bedrooms, closets, hallways, bathrooms, kitchens, basements, soffits, entryways and porches. The Wafer LED downlight is wet location listed - making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications.

FEATURES:

■ Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space.

■ Non-conductive dead-front trim design suitable for a wide range of applications and codes requiring a non-conductive lens assembly.

■ Minimum 90 CRI

Catalog Number	UPC	Description	Lumens	Input Watts	CCT	CRI	Voltage	Finish	Pallet qty.
WF4E LED 30K 90CRI MW	00194994316787	4" Wafer-Thin LED Downlight	579	8.14W	3000K	90	120V	White	120

Accessories: *Order as separate catalog number.*

WF4 PAN R12	4" new construction pan, retail pack of 12
WF8643 PAN U	Universal new construction pan, unit pack
WFJB U	Remodel Joist Bar
WFEXC6 U	6' 2 pin FT4 cable
WFEXC10 U	10' 2 pin FT4 cable
WFEXC20 U	20' 2 pin FT4 cable
WF4GR MW JZ	4" round oversized trim ring

Specifications

INTENDED USE:

The 4" Wafer-Thin LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the need for a recessed housing. The innovative, slim design allows for easy retrofit, remodel or new construction installation from below the ceiling. The Wafer downlight provides general illumination in residential and commercial applications including multi-family and hospitality. Ideal for use in living and dining areas, bedrooms, closets, hallways, bathrooms, kitchens, basements, soffits, entryways and porches. The Wafer LED downlight is wet location listed - making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications.

CONSTRUCTION:

Die cast aluminum mounting frame with integral polycarbonate flange provides passive thermal cooling achieving L70 at 50,000 hours. Non-conductive dead-front trim design suitable for a wide range of applications and codes requiring a non-conductive lens assembly. IC rated driver and fixture - approved for direct contact with insulation. FT4 plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (6) 14 gauge insulated conductor, or (4) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly. Wire nuts included.

ELECTRICAL:

Connect directly to 120V power supply via provided UL recognized driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% (See page 2 for recommended dimmers).

INSTALLATION:

Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4" cut out template provided to ensure correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 4 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications with the WF8643 Pan. 3" plenum space required for installation of the remote driver box.

LISTINGS:

CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. Wet location. Air Tight certified in accordance with ASTM E283-2004. NOM Certified. Can be use for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting.

WARRANTY:

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.
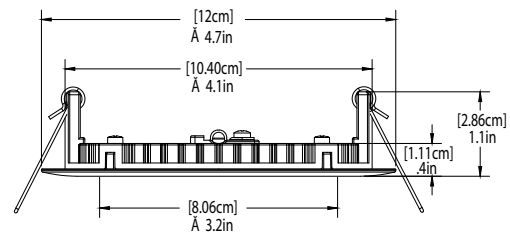
Dimensions

Aperture: 3.2 (9.06)
Ceiling opening: 4 (10.40)
Overlap trim: 4.7 (12)
Height: 0.4 (1.11)

All dimensions are inches (centimeters) unless otherwise indicated.

Lik Wall Light

ITEM NUMBER   AXO618312

BRAND   AxoLight

DESCRIPTION

The Lik Wall Light offers a sleek, modern design featuring a curving aluminum shade with light emitting upward, for a soft overall look. Available finished in Matte Nickel, Matte Bronze, or Wrinkled White. ETL listed. ADA compliant.

Shown in: Matte Bronze

SHADE COLOR	N/A
BODY FINISH	Matte Bronze
WATTAGE	16.6W
DIMMER	Low Voltage Electronic
DIMENSIONS	4.75"W x 7.25"H x 3.88"D
LAMP	1 x LED/16.6W/120V LED

Technical Information

LUMINOUS FLUX	89 lumens
LUMENS/WATT	5.36
LAMP COLOR	3000 K
COLOR RENDERING	80 CRI

ITEM NUMBER	AXO618312
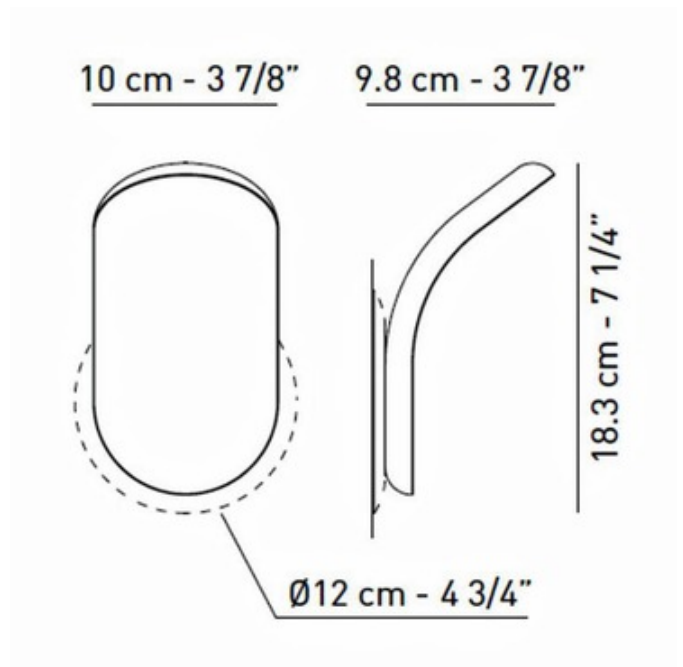
10 cm - 3 7/8"   9.8 cm - 3 7/8"

18.3 cm - 7 1/4"

Ø12 cm - 4 3/4"

Waldorf Wall Sconce
By Lambert & Fils

Product Options

Finish: Black with Graphite,
Size: 32 in,
Installation Type: Hardwired

Details

Hardwired option is dimmable and Plug-In option comes with a switch
Designed by Samuel Lambert in 2012
Material: Powder Coated Steel
Shade Material: Aluminum, Milk Glass
Dimmable when used with a Electronic low voltage (ELV) Dimmer (Not Included)
UL Listed
Warranty: Limited 2 Year
Made In Canada

Dimensions

32 in Option Fixture: Width 32", Height 22", Depth 9.5",
Weight 1.8Lbs

Additional Details

Product URL:
https://www.lumens.com/waldorf-wall-sconce-by-lambert-and-fils-LBF2132868.html
Rating: UL Listed

ITEM#: LBF2132868

Notes:

Prepared by:

Prepared for:
Project:
Room:
Placement:
Approval:

Created April 21st, 2022

Lightology

S-3

Cylinder Wall Sconce

ITEM NUMBER   JUS397348

BRAND   Justice Design

DESCRIPTION

The Cylinder Wall Sconce features an unfinished, paintable ceramic bisque finish and is available in three sizes. Small: One 150 watt max 120 volt A21 medium base bulb is included. 5.75 inch width x 9.5 inch height x 4.5 inch depth. Large: Two 100 watt max 120 volt A19 medium base bulbs are required, but not included. 7.75 inch width x 12.5 inch height x 6.25 inch depth. Extra Large: Two 100 watt max 120 volt A19 medium base bulbs are required, but not included. 10.75 inch width x 21 inch height x 6.75 inch depth. UL listed for wet locations.

Shown in: Bisque

SHADE COLOR	N/A
BODY FINISH	Bisque
WATTAGE	150W
DIMMER	Standard 120V
DIMENSIONS	5.75"W x 9.5"H x 4.5"D
LAMP	1 x A21/Medium (E26)/150W/120V Incandescent

ITEM NUMBER	JUS397348

COMPANY	PROJECT	FIXTURE TYPE	APPROVED BY	DATE

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

Troffers

FEATURES & SPECIFICATIONS

INTENDED USE — Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces. **Certain airborne contaminants can diminish integrity of acrylic.** **Click here for Acrylic Environmental Compatibility table for suitable uses.**

Attributes: Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION — Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows for safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

Finish: Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

MVOLT ballasts are NEMA Premium®/CEE qualified ballasts. Full light output - reduced energy. Less than 10% THD. Multi-volt operation, 120-277V.
LISTINGS — Standard: UL.

WARRANTY — Fixtures, including ballasts, are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture.

US patents: 6,210,025; 6,231,213; 2,288,471.
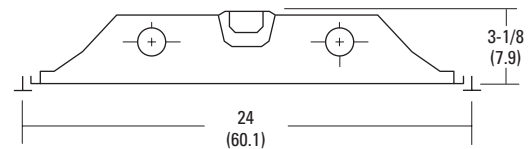
Note: Specifications subject to change without notice.

GT

2GT

3-1/8 (7.9)

24 (60.1)

GT Specifications

Length: 48 (121.9)
Width: 24 (60.1)
Depth: 3-1/8 (7.9)

2GT Specifications

Length: 24 (60.1)
Width: 24 (60.1)
Depth: 3-1/8 (7.9)

All dimensions are inches (centimeters).

ORDERING INFORMATION

Catalog Number	UPC	Description	# of Lamps	Wattage	Voltage	Ballast Type	Pre-Wired	# of Ballasts	Lamp Type	Lamp Included	Pallet Qty.
GT2 MV	745975081714	2x4 troffer	2	32	120-277	NEMA Premium, instant start	N	1	N/A	N	28
GT2L MV	745977456510	2x4 troffer	2	32	120-277	NEMA Premium, instant start	N	1	735	Y	28
GT3 2MV	745975083510	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	2	N/A	N	28
GT3 MV	745975081721	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	1	N/A	N	28
GT3L MV	745975081684	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	1	735	Y	28
GT3L41 MV	745975083541	2x4 troffer	3	32	120-277	NEMA Premium, instant start	N	1	741	Y	28
GT3LW MV	745975081882	2x4 troffer	3	32	120-277	NEMA Premium, instant start	Y	1	735	Y	28
GT3L41W MV	745975799206	2x4 troffer	3	32	120-277	NEMA Premium, instant start	Y	1	741	Y	28
GT4 2MV	745975081998	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	2	N/A	N	28
GT4 MV	745975081776	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	1	N/A	N	28
GT4L MV	745975081912	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	1	735	Y	28
GT4L41 MV	745975083565	2x4 troffer	4	32	120-277	NEMA Premium, instant start	N	1	741	Y	28
GT4L41W MV	745975083534	2x4 troffer	4	32	120-277	NEMA Premium, instant start	Y	1	741	Y	28
GT4LW MV	745975081707	2x4 troffer	4	32	120-277	NEMA Premium, instant start	Y	1	735	Y	28
GT2U MV	745975081967	2x2 troffer	2	32-U lamp	120-277	NEMA Premium, instant start	N	1	N/A	N	56

Troffers

MOUNTING DATA

G

Lay-in Grid
(exposed or concealed grid)
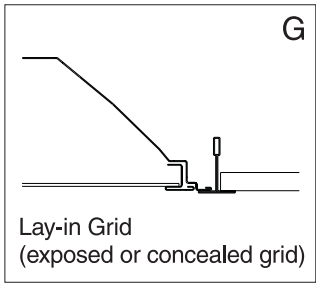
DIMENSIONS
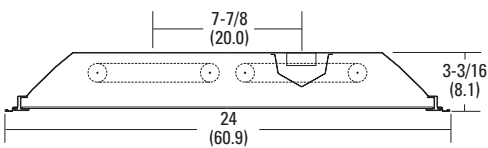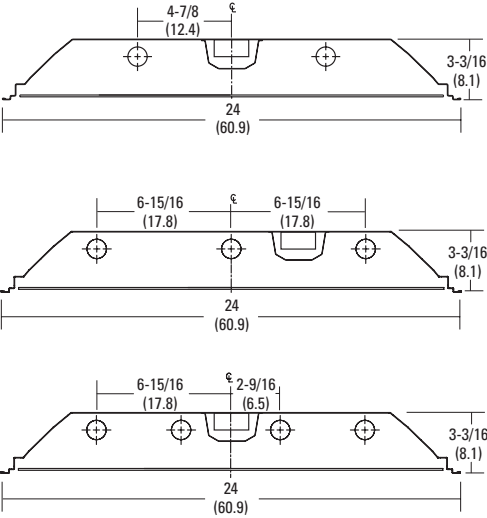
PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%.
Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

GT2U MV

Report LTL 7534

Lumens per lamp - 2600 – Lum. eff. - 72.9%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	87	87	87	85	85	85	81	81	81
1	80	77	74	78	75	72	72	70	68
2	73	68	63	71	66	62	64	60	57
3	67	60	54	65	59	54	57	52	49
4	62	54	48	60	53	47	51	46	42
5	57	48	42	56	47	42	46	41	37
6	53	44	37	52	43	37	42	36	32
7	49	40	34	48	39	33	38	33	29
8	46	36	30	45	36	30	35	30	26
9	43	33	28	42	33	27	32	27	23
10	40	31	25	39	30	25	30	25	21

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1191	22.9	31.4
0-40	1950	37.5	51.4
0-60	3220	61.9	84.9
0-90	3793	72.9	100.0
90-180	0	0	0
0-180	3793	72.9	100.0

GT3 MV

Report LTL 7421

Lumens per lamp - 2850 – Lum. eff. - 80.1%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	95	95	95	93	93	93	89	89	89
1	88	84	81	85	82	79	79	76	74
2	80	74	69	78	72	68	70	66	62
3	74	66	59	72	64	58	62	57	53
4	68	58	52	66	57	51	55	50	46
5	62	52	45	61	52	45	50	44	40
6	58	47	40	56	47	40	45	39	35
7	54	43	36	52	42	36	41	35	31
8	50	39	33	49	39	32	38	32	28
9	47	36	30	45	36	29	35	29	25
10	44	33	27	43	33	27	32	27	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

GT4 MV

Report LTL 7425

Lumens per lamp - 2850 – Lum. eff. - 78.6%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	94	94	94	91	91	91	87	87	87
1	86	82	79	84	81	78	77	75	73
2	79	73	68	77	71	67	68	64	61
3	72	64	58	70	63	57	61	56	52
4	66	57	51	65	56	50	54	49	45
5	61	51	45	60	51	44	49	43	39
6	57	47	40	55	46	39	44	39	34
7	53	42	36	51	42	35	40	35	31
8	49	39	32	48	38	32	37	31	27
9	46	35	29	45	35	29	34	29	25
10	43	33	27	42	32	27	32	26	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0

LITHONIA LIGHTING ®

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