

AGENDA

TUSAYAN PLANNING AND ZONING COMMISSION

PURSUANT TO A.R.S. § 38-431.02 & §38-431.03

Tuesday, October 28, 2014 @ 6:00pm

TUSAYAN TOWN HALL BUILDING

845 Mustang Drive, Tusayan Arizona

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the Tusayan Planning and Zoning Commission and to the general public that the commission will hold a meeting open to the public on Tuesday, October 28, 2014 at the Tusayan Town Hall Building. The commission may change, in its discussion, the order in which any agenda items are discussed during the course of the meeting.

Persons with a disability may request a reasonable accommodation by contacting the Town Manager (928) 638-9909 as soon as possible.

As a reminder, if you are carrying a cell phone, electronic pager, computer, two-way radio, or other sound device, we ask that you silence it at this time to minimize disruption of today's meeting.

PLANNING AND ZONING COMMISSION AGENDA

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

2. ROLL CALL

CHAIR JOHN SCHOPPMANN
VICE CHAIR ROBERT GOSSARD

COMMISSIONER CLAYANN COOK
COMMISSIONER BETH HEARNE
COMMISSIONER JANET ROSENER

TOWN COUNCIL LIAISON, COUNCILMEMBER CRAIG SANDERSON

3. CALL TO THE PUBLIC FOR ITEMS NOT ON THE AGENDA

Members of the public may address the Commission on items not on the printed agenda. The Commission may not discuss, consider or act upon any matter raised during public comment. Comments will be limited to three minutes per person.

4. CONSENT AGENDA

Approval of the Minutes of the Regular Meeting held on 9/10/14

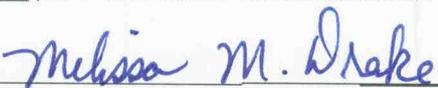
5. ACTION ITEM

Consideration, discussion, and possible approval of Design Review Case No. 2014-03, a request for approval of Phase 1-B and Phase 1-C of the approved Master Plan for the Best Western Premier Grand Canyon Squire Inn

6. MOTION TO ADJOURN

CERTIFICATION OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at the General Store in Tusayan, Arizona on this 22ND day of October, 2014 at 12:30 pm in accordance with the statement filed by the Tusayan Town Council.


Signature of person posting the agenda

ITEM NO. 4

TUSAYAN PLANNING AND ZONING COMMISSION
PURSUANT TO A.R.S. 38-431.02 & 38-431.03
WEDNESDAY, SEPTEMBER 10, 2014 @ 6:00 pm
TUSAYAN TOWN HALL
845 Mustang Drive, Tusayan, Arizona

PLANNING AND ZONING COMMISSION MEETING SUMMARIZED MINUTES

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chair Gossard called the meeting to order at 6:00 pm and the Pledge of Allegiance was recited.

2. ROLL CALL

Upon roll call, the following were present:

**CHAIR ROBERT GOSSARD
VICE CHAIR BETH HEARNE
COMMISSIONER CLAYANN COOK
COMMISSIONER JANET ROSENER
COMMISSIONER JOHN SCHOPPMANN**

TOWN COUNCIL LIAISON: COUNCILMEMBER CRAIG SANDERSON – arrived at 6:32pm

Also present were:

Will Wright, Town Manager
Lawrence Tomasello, Town Planner
Melissa Drake, Town Clerk

3. CALL TO THE PUBLIC FOR ITEMS NOT ON THE AGENDA

Tusayan Fire District Chief Robbie Evans requested additional information from the Town (via Willdan Engineering) on a regular basis regarding construction/renovation. He stated that the checklist that he currently receives does not give him enough information to make approvals.

Robert Petzholdt, Tusayan Sanitary District, echoed Chief Evans' comments stating that the Sanitary District also needs additional information. Construction and renovation is currently occurring without signoff from the District. He also stated that the Sanitary District should be notified early in the process for any development.

4. CEREMONIAL AND/OR INFORMATIONAL MATTERS

Oath of Office for new Commissioner John Schoppmann

Town Clerk, Melissa Drake, issued the oath of office to John Schoppmann.

5. CONSENT AGENDA

Approval of the Minutes of the Regular Meeting held on 2/25/14

Commissioner Rosener made a motion to approve the Consent Agenda. Vice Chair Hearne seconded the motion and it passed unanimously.

6. ACTION ITEMS

A. Selection of Tusayan Planning and Zoning Commission Chair

Commissioner Cook made a motion to nominate John Schoppmann as Commission Chair. Vice Chair Hearne seconded the motion and it passed on unanimous vote.

B. Selection of Tusayan Planning and Zoning Commission Vice Chair

Commissioner Cook made a motion to nominate Robert Gossard as Commission Vice Chair. Commissioner Rosener seconded the motion and it passed on unanimous vote.

Chair Schoppmann requested that Vice Chair Gossard continue leading the meeting.

C. Consideration, discussion, and possible approval of Master Plan for an Expansion of Best Western Premier Grand Canyon Squire Inn and Design Review Case No. DR2014-02, a Design Review of Phase I of the expansion

Commissioner Hearne recused herself from this discussion since she is employed by the applicant.

Planner Tomasello stated that there are 2 issues for the Commission to consider: the first is the Master Plan for the expansion and the second is Phase 1. His recommendation is to approve the Master Plan as presented and Phase 1 should be approved with the condition that a detailed landscaping plan be presented to and approved by the Planning and Zoning Commission prior to issuing the Certificate of Occupancy.

Peter Stricker with Stricker Cato Murphy Architects and Jim McPhetridge with Halvorson Construction presented the Master Plan for the Squire Inn to the Commission covering the phases proposed, building out additional parking, and drainage improvements

Commissioner Cook asked for the timeline for the project. Mr. McPhetridge stated that the plan is to complete the project in the spring of 2016.

Vice Chair Gossard asked about increasing employee housing to coincide with the growth of the hotel. Greg Bryan, General Manager of the Squire Inn, stated that there would be no increase on the property for employee housing but increases would occur in Valle.

Commissioner Rosener made a motion to approve the Master Plan for expansion for the Squire Inn as presented. Commissioner Cook seconded the motion and it passed on unanimous vote.

Mr. Stricker and Mr. McPhetridge presented information to the Commission on Phase 1 of the proposed expansion at the Squire Inn covering floor plans, heaters, guest laundry, exterior stonework, paint colors, roof lines, and stucco-like surfaces.

The Commissioners discussed the expansion with the presenters and among themselves.

Commissioner Rosener made a motion to approve Design Review 2014-02, Phase 1 for expansion for the Squire Inn as presented with the requirement recommended by staff (prior to issuing a Certificate of Occupancy, a detailed landscaping plan must be approved by the Commission). Chair Schoppmann seconded the motion and it passed on unanimous vote.

Commissioner Hearne rejoined the meeting.

7. DISCUSSION ITEM

Review of Planning and Zoning Handbook Selections

Manager Wright presented the Commission with selections of a handbook which was included in the agenda packet.

Manager Wright stated that the Council hired Woodson Engineering to produce subdivision regulations and Willdan Engineering (Planner Lawrence Tomasello) to reconcile the Zoning Code with the new General Plan which will include a zoning map.

8. MOTION TO ADJOURN

Commissioner Hearne made a motion to adjourn at 7:13 pm. Commissioner Rosener seconded the motion and it passed unanimously.

ATTEST:

John Schoppmann, Chair

Date

Melissa M. Drake, Town Clerk

CERTIFICATION

State of Arizona)
) ss.
Coconino County)

I, Melissa Drake, do hereby certify that I am the Town Clerk of the Town of Tusayan, County of Coconino, State of Arizona, and that the above minutes are a true and correct summary of the meeting of the Planning and Zoning Commission of the Town of Tusayan held on September 10, 2014. I further certify that the meeting was duly called and held, and that a quorum was present.

DATED this 11th day of September, 2014

Melissa M. Drake, Town Clerk

ITEM NO. 5

TOWN OF TUSAYAN STAFF REPORT

Date: October 28, 2014

To: Planning and Zoning Commission

From: Zoning Administrator

Subject: Design Review No. 2014-03; a request to approve Phase 1-B and Phase 1-C of the approved Master Plan for the Best Western Premier Grand Canyon Squire Inn located at 74 Highway 64 in Tusayan.

Analysis:

On September 10, 2014, the Planning and Zoning Commission approved Design Review No. 2014-02 which included the Master Plan (Exhibit A1.00) for overall development of the Squire Inn and for Phase 1-A, the proposed 8000 building. Before the Commission tonight is Phase 1-B, the laundry building, and Phase 1-C, the existing 3000 building.

Phase 1-B, the existing laundry building, is requesting approval of exterior architectural modifications only. The architecture, including design, materials, and colors as depicted on Exhibit A0.01, is compatible and complimentary to the 8000 building (proposed guest quarters) approved by the Planning and Zoning Commission in September, 2014. It also includes a parking layout and concept landscape plan. The Parking Plan (Exhibit 1 of 1) is comprised of 26 compact parking spaces and 12 standard parking spaces. While the area shown exceeds the 40% maximum requirement for compact spaces, reference to the Master Plan demonstrates that project wide, the maximum permissible compact spaces allowed is not exceeded. The conceptual landscape plan may be approved as part of the design review process. However, should the applicant wish to substantially revise the plan as depicted on the Exhibit dated 8-1-14 in the future, then it would need to be reviewed and acted upon by the Commission at that time.

Phase 1-C, an existing building for guest quarters (Exhibit A9.01) is comprised of exterior modifications only. The architectural elevations, including design, materials, and colors, is compatible and complimentary to the proposed 8000 building (approved phase 1-A) and the laundry building (proposed Phase 1-B).

Recommendation:

Approve Phase 1-B (Exhibit A9.01), the Landscape Concept Plan (Exhibit 8-1-14), and the Parking Plan (Exhibit 1 of 1), and approve Phase 1-C (Exhibit A9.01) as referenced on the Squire Inn Master Plan (Exhibit A1.00).

Town of Tusayan
Design Review Overlay Application

Contact Information
Willdan Engineering 1440 East Missouri Avenue Ste. C-170
Phoenix, Arizona 85014
Phone (602)395-7531 - Fax (602) 870-7601
ganderson@willdan.com

APPLICANT

Name Strideker Cato Murphy Architects
Mailing Address 311 1st AVE S. STE. 300
SEATTLE, WA 98104
Contact Person Jeff Kw
Phone (206)324-4800 Fax _____
Email JeffK@SCM-arch.com

PROPERTY INFORMATION

Assessor's Parcel # 502-17-008A
Subdivision _____
Unit # _____ Lot # _____
Address/Location 100 HWY 64
TUSAYAN, AZ 86023
Existing Zoning CH-10,000
Existing Land Use HOTEL
Proposed Land Use HOTEL
Lot Size 11.86 ACRES

OFFICE USE ONLY

Received By: _____ Date: _____
Receipt #: _____ Fee: _____
Case #: _____
Related Cases: _____

SUBMITTAL CHECKLIST

- \$400 non-refundable filing fee.
The purpose of this fee is to pay for legal noticing and application processing.
- Pre-application meeting with a staff planner of the Town of Tusayan.
Date met with staff for pre-application _____
- A *typewritten* list of names and addresses of all property owners within 300 feet of subject property.
- Fifteen copies of each of the following plans and drawings: *(See reverse for detailed requirements)*
- | | |
|---|---|
| <input type="checkbox"/> Site Plan | <input type="checkbox"/> Signage Plan |
| <input type="checkbox"/> Landscape Plan | <input type="checkbox"/> Lighting Plan |
| <input type="checkbox"/> Architectural Drawings | <input type="checkbox"/> Grading and Drainage Plans |
- All materials must be folded to fit in a legal-size file (8"x14) and labeled so that the applicant's name and project location are visible.

CERTIFICATION & SIGNATURE

Submittal of this application constitutes consent of the applicant in granting the City of Tusayan access to the subject property during the course of project review.
No further consent or notice shall be required.
I hereby certify that the information in this application is correct and agree to abide by the regulations of this jurisdiction.

Signature of Applicant

[Signature] Date 10/16/2014
Signature of Property Owner (if not the applicant)

_____ Date _____

COMMISSION ACTION

Approved with Conditions(see attachments)

Denied

Resolution #: _____ Date: _____

BOARD ACTION

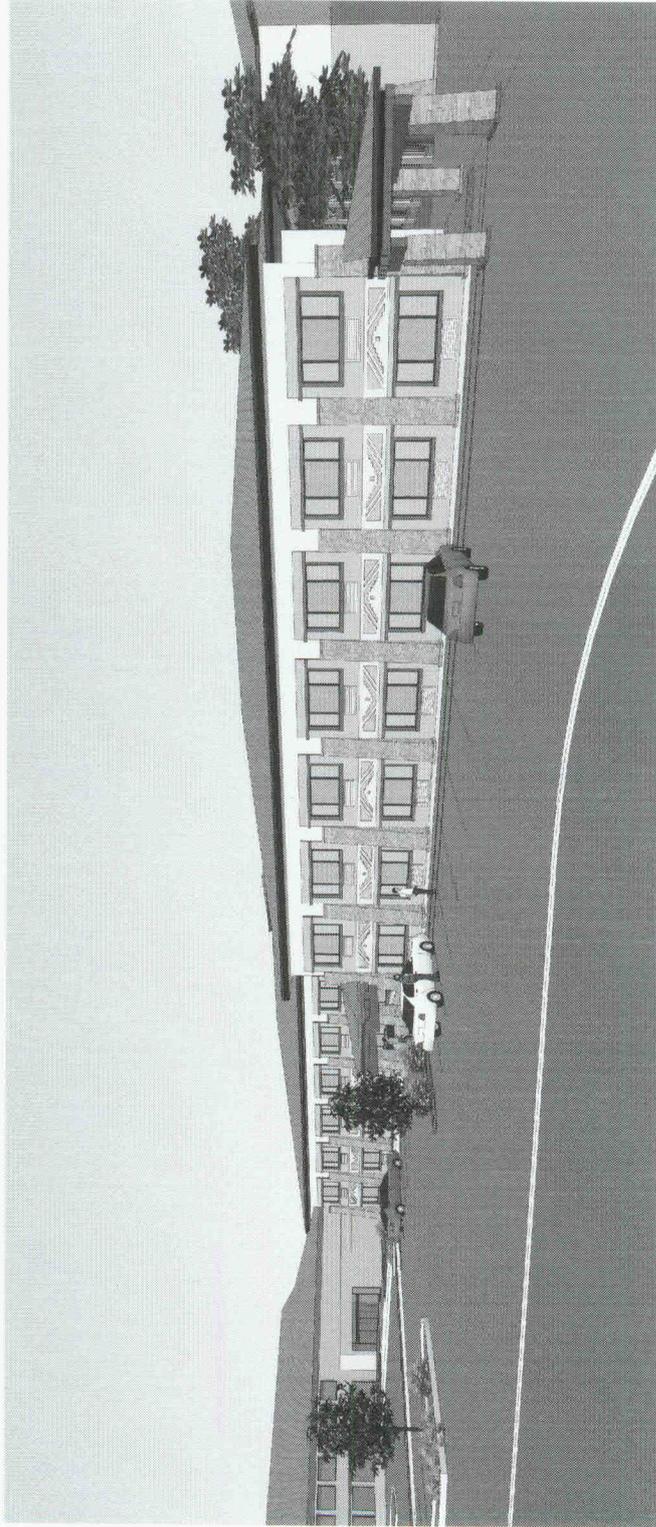
Approved with Conditions(see attachments)

Denied

Resolution #: _____ Date: _____

GRAND CANYON SQUIRE INN PHASE 1-B/C: LAUNDRY/3000 BUILDING DESIGN REVIEW APPLICATION

BEST WESTERN PREMIER HOTEL
148 STATE ROUTE 64 TUSAYAN, AZ 86003



<p>OWNER/APPLICANT: BEST WESTERN PREMIER HOTEL 148 STATE ROUTE 64 TUSAYAN, AZ 86003 PHONE: (928) 438-8800 CONTACT: GREG GARDNER</p>	<p>ARCHITECT: STRICKER CATO MURPHY 1111 W. WASHINGTON ST., SUITE 200 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: PETER STRICKER</p>	<p>STRUCTURAL ENGINEER: DCI ENGINEERS, INC. 8145 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: MARK MOCHLENBERG, P.E.</p>	<p>MECHANICAL/ELECTRICAL ENGINEER: SAZAN GROUP 1001 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: GARY WINDS, P.E.; LEE PARULIC</p>	<p>ELECTRICAL ENGINEER: SAZAN GROUP 1001 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: STEVE COLLIER</p>	<p>CIVIL/SURVEY ENGINEER: THE SURVEY GROUP 1001 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: TERRY BARKER, P.E.</p>	<p>LANDSCAPE ARCHITECT: MUNDEL GROUP 1001 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: BOB WELLS</p>	<p>INTERIOR DESIGNER: MERRON INTERIORS 1001 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: SARAH MERRON</p>	<p>GEOTECHNICAL ENGINEER: WESTERN TECHNOLOGIES, INC. 1001 STATE STREET, SUITE 100 TUSAYAN, AZ 86045 PHONE: (928) 438-8800 CONTACT: GREG GARDNER, P.E.</p>
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- KEYNOTES DESCRIPTION**
- 10.01 4" X 2" SOAK SINK
 - 10.02 FLOOR SINK 24" X 24" AND 12" DEEP WITH 6" OMB FAUCETS AT 10.06
 - 10.08 EYE WASH STATION
 - 11.01 RESIDENTIAL WASHER. REFER TO MEP DRAWINGS FOR SUPPLY
 - 11.02 COMMERCIAL WASHERS. REFER TO MEP DRAWINGS FOR SUPPLY
 - 11.03 SUPPLY AND WASTE LINES. TYP
 - 11.04 WASTE LINES. REFER TO MEP DRAWINGS FOR SUPPLY AND WASTE LINES. TYP

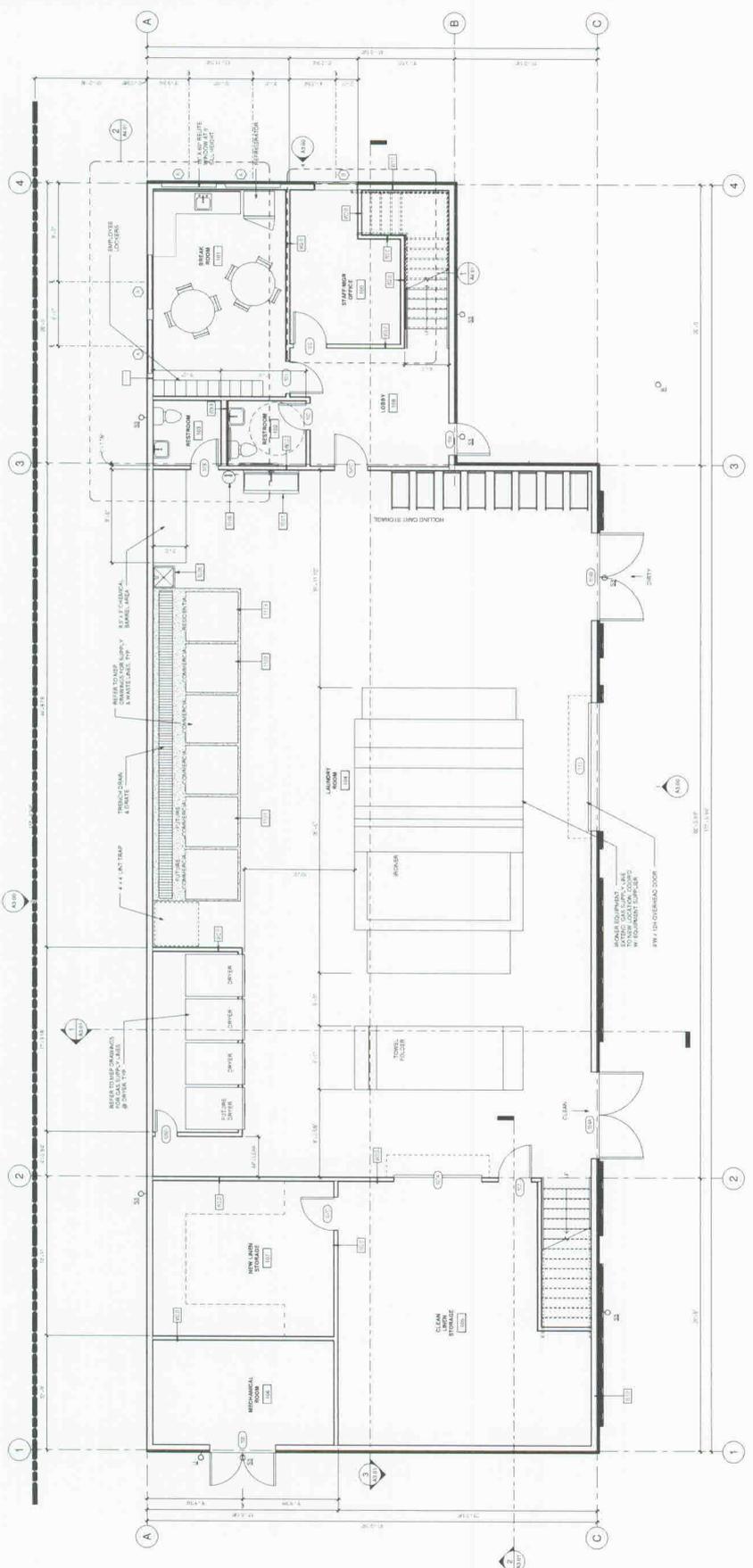
PROJECT: PHASE 1 - B: NEW LAUNDRY BUILDING
 BEST WESTERN PREMIER GRAND CANYON SQUIRE INN
 TUSAYAN, AZ 86023
 P.O. BOX 130
 GRAND CANYON, AZ 86023

CLIENT: SQUIRE MOTOR INNS, INC.
 TEL: (206) 324-4800 FAX: (206) 322-2875
 WWW.SCM-ARCH.COM

ARCHITECT: STRICKER CATO MURPHY ARCHITECTS
 311 1st AVE. S., SUITE 310
 SEATTLE, WA 98104

PROJ #
 TITLE
 CLIENT NAME
 ADDRESS

A2.01
 10-18-14



LAUNDRY BUILDING - MAIN FLOOR PLAN

CLIENT
SQUIRE MOTOR INNS, INC.
P.O. BOX 130
GRAND CANYON, AZ 86023

PROJECT
PHASE 1-B: NEW LAUNDRY BUILDING
100 HWY 64
TUSAYAN, AZ 86023

DATE
11/14/2014

PROJ #
PRELIM #
DATE

LAUNDRY BUILDING
EXTERIOR MATERIALS
SCHEDULE

A9.01

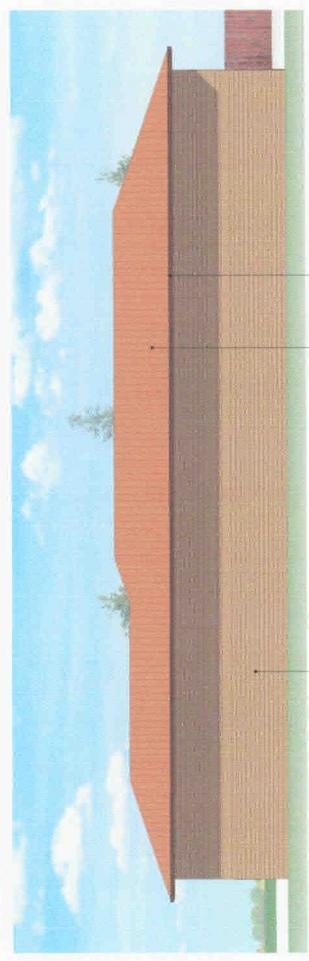
10-16-14



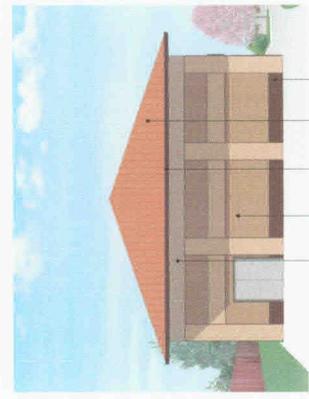
NORTH ELEVATION



EAST ELEVATION



WEST ELEVATION



SOUTH ELEVATION

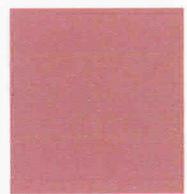
PRODUCT	MANUFACTURER	PROFILE	COLOR
1. ALUMINUM	A. T.B.D.	1. STANDING SEAM	A. COPPER PENNY, PAC-GLAD
2. STUCCO FACED CONTINUOUS INSULATION	B. T.B.D.	2. STUCCO FINISH	B. LINEN SAND, (2151-60) BENJAMIN MOORE
3. STUCCO FACED CONTINUOUS INSULATION	C. T.B.D.	3. STUCCO FINISH	C. LENOX TAN, (HC-44) BENJAMIN MOORE
4. STUCCO FACED WINDOW TRIM	D. T.B.D.	4. N/A	D. BAKED CLAY, (035) BENJAMIN MOORE
5. GUTTER	E. T.B.D.	5. N/A	E. HASBROUCK BROWN, (HC-71) BENJAMIN MOORE
6. STONE VENEER	F. T.B.D.	6. N/A	F. CLIFFSTONE MESQUITE, EL DORADO
7. STUCCO FACED CONTINUOUS INSULATION	G. T.B.D.	7. STUCCO FINISH	G. HASBROUCK BROWN, (HC-71) BENJAMIN MOORE
8. CEMENTITIOUS LAP SIDING	H. T.B.D.	8. LAP SIDING	H. LENOX TAN, (HC-44) BENJAMIN MOORE



CLIFFSTONE MESQUITE,
EL DORADO



HASBROUCK BROWN,
(HC-71) BENJAMIN MOORE



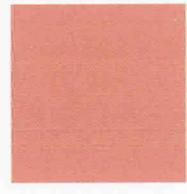
BAKED CLAY,
(035) BENJAMIN MOORE



LENOX TAN,
(HC-44) BENJAMIN MOORE



LINEN SAND,
(2151-60) BENJAMIN MOORE



COPPER PENNY,
PAC-GLAD

GRAND CANYON SQUIRE INN

PHASE 1B - LAUNDRY BUILDING LANDSCAPE CONCEPT PLAN



LANDSCAPE LEGEND

- EVERGREEN TREES - 70% (MIN. SIZE 15 GALLON)**
- ABIES CONCOLOR - WHITE FIR
 - JUNIPERUS SCOPULORUM - ROCKY MOUNTAIN JUNIPER
 - PNUS PONDEROSA - PONDROSA PINE
 - FRAXINUS AMERICANA - AUTUMN PURPLE¹ - AUTUMN PURPLE ASH
 - QUERCUS TRINCAMPUS NERUS SINKMASTER¹ - SINKMASTER
 - HONEY LOCUST

- EVERGREEN SHRUBS - 30% (MIN. SIZE 5 GALLON)**
- CHAMISAEMPA MELLEIFOLIUM - FERN BUSH
 - FALLONIA PARADOXA - APACHE PLUME
 - JUNIPERUS SPP. - CREEPING JUNIPER
 - RHAMNUS CALIFORNICA 'DWARF' - DWARF CALIFORNIA COFFEEBERRY
- DECIDUOUS SHRUBS (MIN. SIZE 5 GALLON)**
- AMELANCHIER ULMICOSA - ULM SEEBERRY
 - CENOTAPHE FENDLERI - FENDLER'S BUCKBUSH
 - PNUS TRILOBATA - THREE-LEAF SUMAC

- COLORFUL GROUND COVER (MIN. SIZE 1 GALLON)**
- AMSONIA REPENS - CREEPING ORCHID GRAPE HOLLY
 - POTENTILLA NEGMANNIANA - CINCQUEFOI
 - SAVINA MEXICORSA 'MAY NIGHT' - MAY NIGHT PURPLE SAGE
- EXISTING TREES**
- TO REMAIN-SEE LABELS THIS SHEET
 - TO BE REMOVED
- LANDSCAPE MULCH**
- DECOMPOSED GRANITE OR ORGANIC FOREST BARK MULCH

NOTES:

- ALL PLANTS SHALL BE WATERED BY AN UNDERGROUND, AUTOMATIC Drip IRRIGATION SYSTEM
- PARKING LOT LANDSCAPING, 18 SPACES X 40 SF = 1520 SF / 324 = 5 PLANT UNITS
- SPRING IRRIGATION, 18 SPACES X 40 SF = 1520 SF / 150 LF BUILDING PERIMETER X 100 LF = 4 PLANT UNITS, TO BE LOCATED WITHIN 50 FT. OF BUILDING

SZAN GROUP
 400 Stewart St., 20th Floor
 Seattle, WA 98101
 TEL: 206.287.1100
 FAX: 206.451.8888

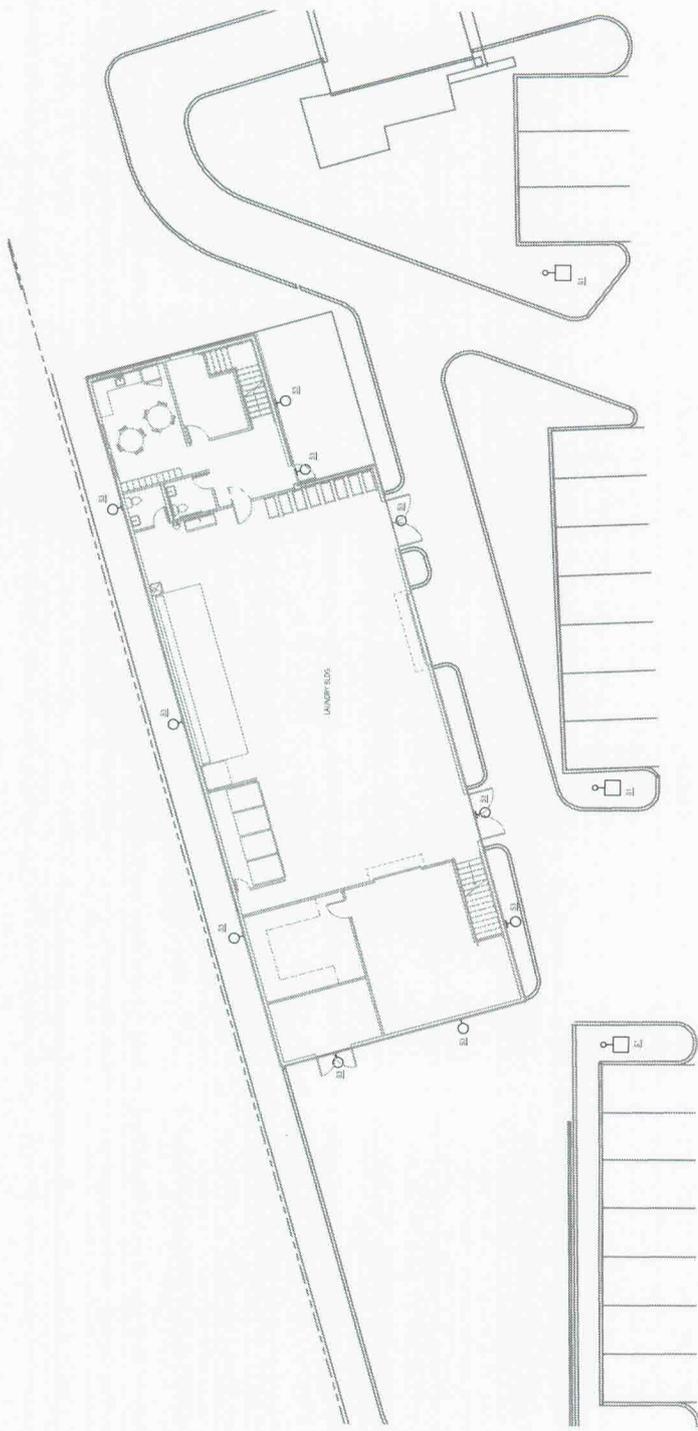
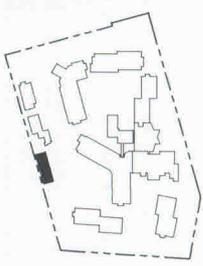
SQUIRE MOTOR INNS, INC.
 P.O. BOX 130
 GRAND CANYON, AZ 86023

BEST WESTERN PREMIER GRAND CANYON SQUIRE INN
 LAUNDRY BUILDING
 100 HWY 64
 TUSAYAN, AZ 86023

DATE:	12/15/11
PROJECT:	LAUNDRY BLDG
DESCRIPTION:	
SCALE:	
REVISIONS:	

E1.01
 2011-09-11

TUSAYAN DESIGN REVIEW  LAUNDRY BLDG KEY PLAN



GENERAL NOTES

- ALL APPROPRIATE ELECTRICAL SYMBOLS TO BE PROVIDED FOR ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT TO BE PROVIDED WITH INDICATION OF EXTERIOR LIGHTING FEATURES AS REQUESTED.

EXTERIOR LIGHTING SITE PLAN



SYMBOLS LEGEND - LIGHTING

SYMBOL	DESCRIPTION
	LIGHT FIXTURE IDENTIFIER - REFER TO LIGHTING FIXTURE SCHEDULE
	ILLUMINATED LUMINAIRE
	UNILLUMINATED LUMINAIRE

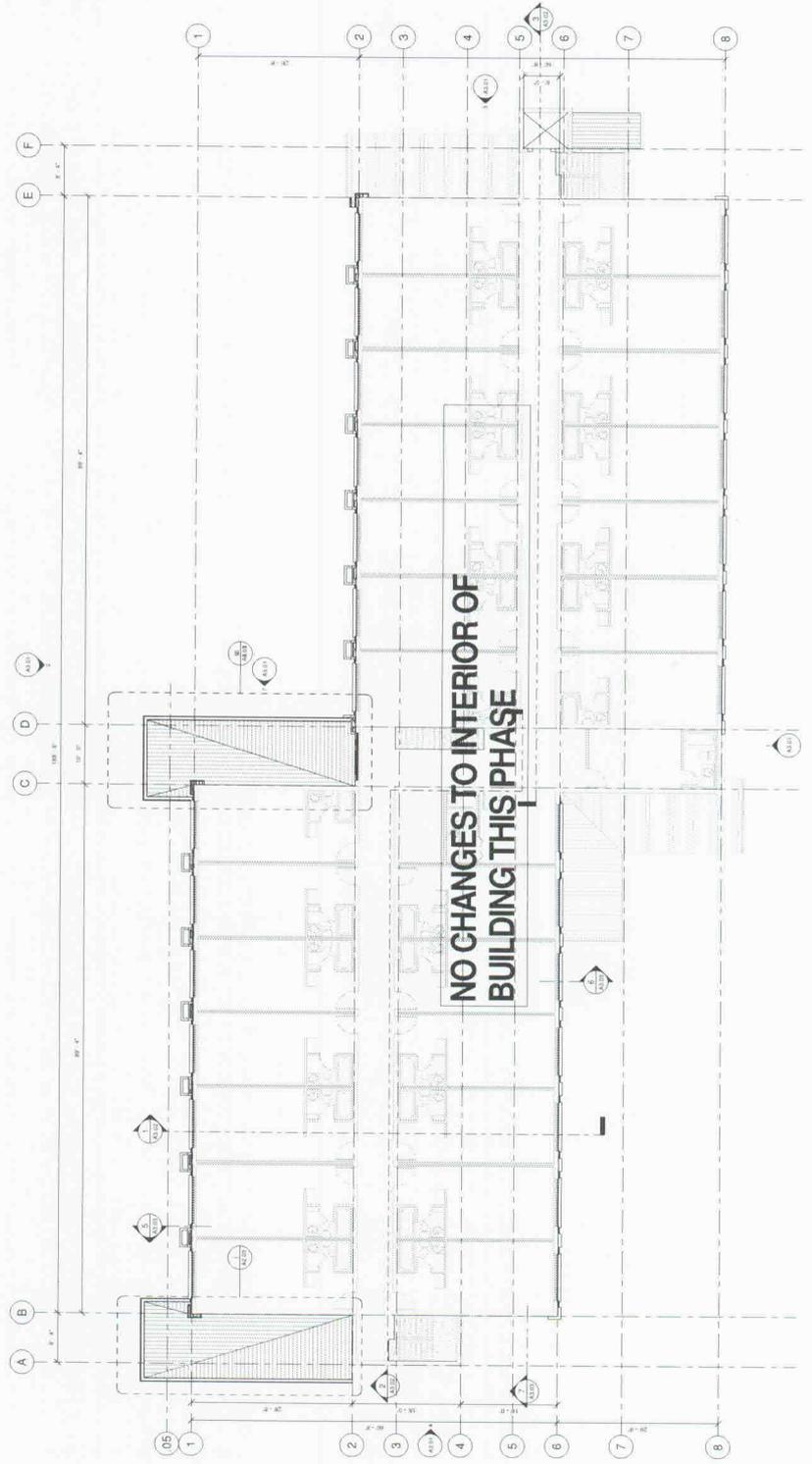
LUMINAIRE SCHEDULE

SYMBOL	SYMBOL DESCRIPTION	MANUFACTURER	FINISH	OPERATING VOLTAGE	INPUT WATTS	LAMP TYPE	BALLAST	REMARKS
S1	7' x 14' LED T5 LINE TYPE DISTRIBUTION, 120V	LED DECKOVER	CONSUMER MEDICAL	277V	30	LED	N/A	WITH 6000K ALUMINUM FINISH AND POLY CARBONATE LENS
S3	EXTERIOR 4' x 12' ARCHITECTURAL WALL LIGHTING	WYDAVA WYF-LED	WYF-LED	277V	67	LED	N/A	MOUNT 2" ARCHITECTOR

BEST WESTERN PREMIER GRAND CANYON SQUIRE INN
P.O. BOX 130
GRAND CANYON, AZ 86023
TUSAYAN, AZ 86023

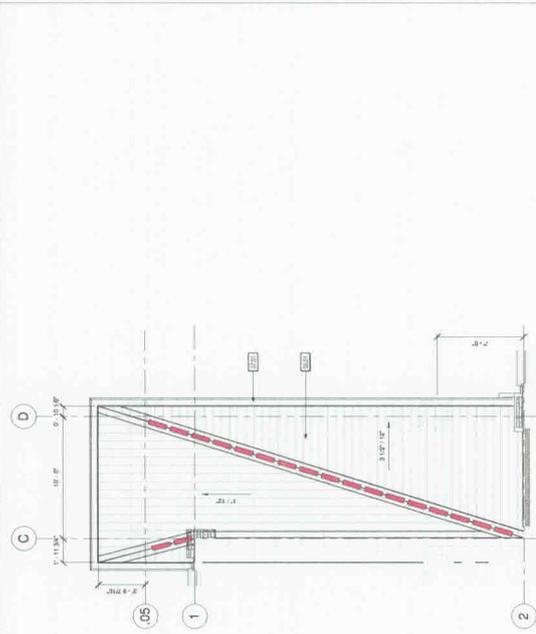
SQUIRE MOTOR INNS, INC.
P.O. BOX 130
GRAND CANYON, AZ 86023

THE STATE OF ARIZONA
DEPARTMENT OF REVENUE
OFFICE OF THE STATE COMPTROLLER
TAMARA L. HAYES
COMPTROLLER
1000 W. WASHINGTON AVENUE, SUITE 100
PHOENIX, ARIZONA 85001
TEL. (602) 974-2000 FAX (602) 974-2001
WWW.AZSTATECOMPTROLLER.COM



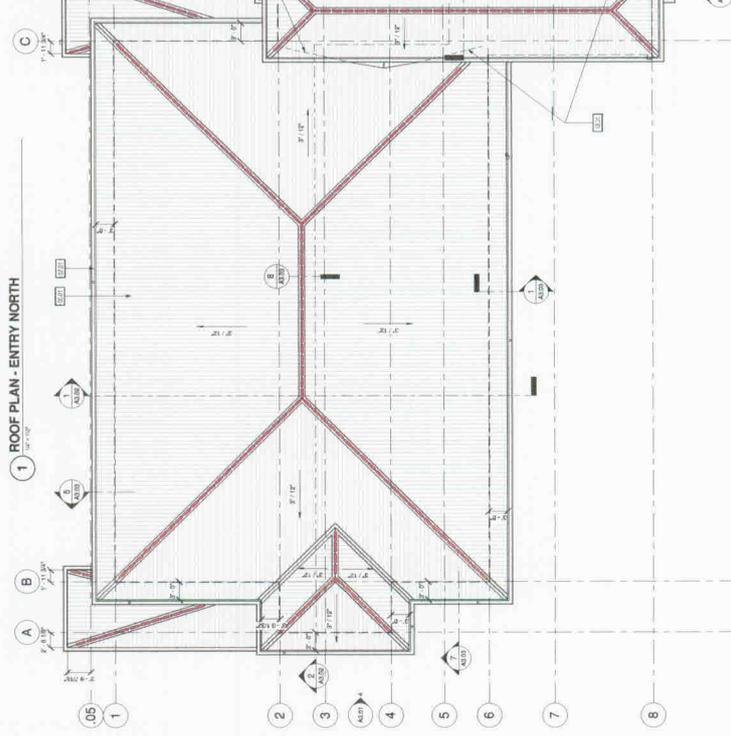
1 3000 BUILDING SECOND FLOOR PLAN

- # KEYNOTE DESCRIPTION
- 05.01 STANDING SEAM METAL ROOF
- 10.01 CRUCET VALLEY LINE BEYOND
- 10.02 CRUCET VALLEY LINE BEYOND



1 ROOF PLAN - ENTRY NORTH
SCALE: 1/4" = 1'-0"

2 ROOF PLAN - ENTRY MID.
SCALE: 1/4" = 1'-0"



3 3000 BUILDING ROOF PLAN
SCALE: 1/4" = 1'-0"

LEGEND

- HIGH RIDGE VENT
- LOW SOFFIT VENT
- RIDGE VENT

ROOF VENT CALCULATION PER IBC 903.2 (ATTIC SPACE/BOX) = NET FREE AREA REQUIRED

MAIN ROOF/ATTIC SPACE AREA = 11,801 SQ. FT.
TOTAL NET FREE AREA REQUIRED = 38 SQ. FT.
TOTAL NET FREE AREA PROVIDED = 49 SQ. FT.

50% ROOF/ATTIC VENTS TO BE LOCATED AT TOP AND BOTTOM OF ATTIC SPACE

38 SQ. FT. / 2 = 19 SQ. FT. TOP ROOF/ATTIC VENTS
NET FREE AREA PROVIDED = 8 SQ. FT.

38 SQ. FT. / 2 = 19 SQ. FT. LOW ATTIC VENTS
NET FREE AREA PROVIDED = 8 SQ. FT.

CENTRAL & NORTH ROOF GAMBREY SPACE AREA = 985 SF
TOTAL NET FREE AREA REQUIRED = 3 SF
TOTAL NET FREE AREA PROVIDED = 4 SF

50% ROOF/ATTIC VENTS TO BE LOCATED AT TOP AND BOTTOM OF ATTIC SPACE

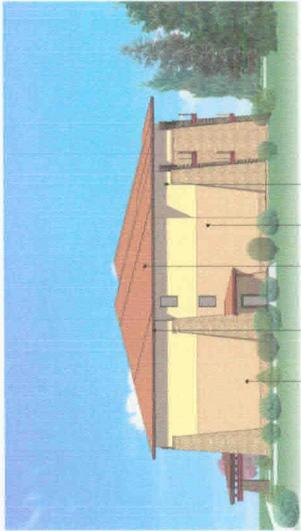
3 SQ. FT. / 2 = 1.5 SQ. FT. TOP ROOF/ATTIC VENTS
NET FREE AREA PROVIDED = 3 SQ. FT.

3 SQ. FT. / 2 = 1.5 SQ. FT. LOW ATTIC VENTS
NET FREE AREA PROVIDED = 4 SQ. FT.

DATE	DESCRIPTION
PROJ. #	PROJ. NAME
ISSUE	DATE
NO. OF SHEETS	TOTAL SHEETS
A9.01	
6-1-14	

CLIENT: SQUIRE MOTOR INNS, INC.
 GRAND CANYON, AZ 86023
 P.O. BOX 130
 TUSAAN, AZ 86023

PROJECT: BEST WESTERN PREMIER GRAND CANYON SQUIRE INN
 PHASE I-A, 8000 BUILDING
 100 HWY. 64
 TUSAAN, AZ 86023



WEST ELEVATION



NORTH ELEVATION



SOUTH ELEVATION



EAST ELEVATION

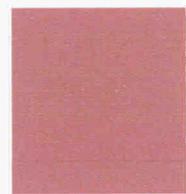
PRODUCT	MANUFACTURER	PROFILE	COLOR
1. ALUMINUM	A. T.B.D.	1. STANDING SEAM	A. COPPER PENNY, PAC-CLAD
2. STUCCO FACED CONTINUOUS INSULATION	B. T.B.D.	2. STUCCO FINISH	B. LINEN SAND (215-60) BENJAMIN MOORE
3. STUCCO FACED CONTINUOUS INSULATION	C. T.B.D.	3. STUCCO FINISH	C. LENOX TAN (HC-44) BENJAMIN MOORE
4. CUTTED FACED WINDOW TRIM	D. T.B.D.	4. N/A	D. BAKED CLAY (035) BENJAMIN MOORE
5. CUTTED FACED WINDOW TRIM	E. T.B.D.	5. N/A	E. HASBROUCK BROWN (HC-71) BENJAMIN MOORE
6. STONE VENEER	F. T.B.D.	6. N/A	F. CLIFFSTONE MESQUITE, EL DORADO



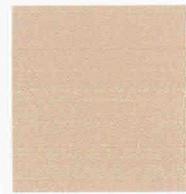
CLIFFSTONE MESQUITE, EL DORADO



HASBROUCK BROWN (HC-71) BENJAMIN MOORE



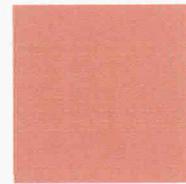
BAKED CLAY (035) BENJAMIN MOORE



LENOX TAN (HC-44) BENJAMIN MOORE



LINEN SAND (215-60) BENJAMIN MOORE

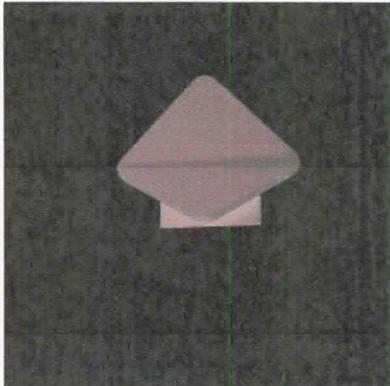


COPPER PENNY, PAC-CLAD



Product Specifications for E41318-BZ

Job Name:	Job Type: E
Quantity:	Comments



E41318-BZ
Alumilux AL 2-Light LED Wall Sconce

Finish
Bronze

Glass/Shade

Product Category
Wall Sconce

Lamping

Number of Bulb(s) 2
Light Type LED
Bulb Type LED
Max Bulb Wattage 3
Max Fixture Wattage
Rated Life N/A
Rated Lumens ±420
Color Temp ±3,000 K
Bulb(s) Included Yes
Light Up/Down N/A
Beam Spread N/A
CRI N/A
Photo Cell Included N/A
Ballast/Driver/Transformer No
Dimmable N/A

Measurements

Width 14.00"
Height 6.75"
Length N/A
Extension 3.50"
Back Plate Width N/A
Back Plate Height N/A
HCO 3.44"
Min Overall Height N/A
Max Overall Height N/A
Hanging Weight 1.80 lb(s)
Height Adjustable N/A
Slope N/A
Chain Length N/A
Wire Length N/A
Canopy Width N/A
Canopy Height N/A
Canopy Length N/A

Shipping

Carton Weight 2.20 lb(s)
Carton Width 6.30"
Carton Height 11.02"
Carton Length 8.66"
Carton Cubic Feet N/A
Master Pack 6
Master Pack Weight 15.40 lb(s)
Master Pack Width 18.11"
Master Pack Height 11.81"
Master Pack Length 19.69"
Master Cubic Feet N/A
UPS Shippable Yes

Certification

Safety Rating Wet
Energy Star No
CA Title 24 No
CA Title 20 No
ADA Yes

Other

UPC Code 845094070160
Material Aluminum

Equivalents

Incandescent Watts N/A
Fluorescent Watts N/A

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ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- Lumen packages comparable to 26W, 32W, 42W CFL and 2x26W CFL with energy savings up to 35%
- Superior-quality white LED light output using Chip on Board technology
- No harmful ultraviolet or infrared wavelengths
- No lead or mercury

PRODUCT SPECIFICATIONS

Optics

Reflector/Lens: Computer-optimized parabolic reflector with frosted convex lens regressed into cone provides uniform distribution with no striations • Concealed LED array provides superior aesthetic appeal both on and off

Finishes: Low iridescent specular, semi-specular and satin Alzak® finishes available with integral flange of same finish • See reflector options for other colors and finishes

Baffle: White or black painted deep multi-groove aluminum baffle insert with integral white painted flange and frosted convexed glass lens

Electrical

Light Engine: Compact light source delivers uniform illumination without pixilation, enabling excellent beam control • Consistent fixture-to-fixture color temperature within 3 MacAdam ellipses • Replaceable PC board with quick connector mounts directly to heat sink • CRI > 80 • Light engine mounts directly to heat sink and is easily replaceable • Cast aluminum heat sink integrated directly with housing provides superior thermal management to ensure the long life of LED

LED Driver: Power factor >0.9 • Easily replaceable from above or below the ceiling

• Dimmable via 0-10V protocol, increasing efficiency up to 30% while dimming

• For a list of compatible dimmers, see **LED-DIM**

Life: Rated for 50,000 hours at 70% lumen maintenance

Mechanical

Housing: Low profile, universal housing design installs in suspended grid, plaster or drywall • Integral cast aluminum heat sink conducts heat away from LED light engine • Light engine and driver are accessible from above and below ceiling and can be upgraded to accommodate future technology improvements.

Mounting Frame: Heavy gauge steel lower housing ring accommodates ceilings up to 2" thick • For thicker ceilings; consult factory

Mounting Bracket: Mounting brackets have 3" vertical adjustment and accepts most commercial bar hangers, including our proprietary Tru-Lock bar hangers • Our One-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4 tile increments

Junction Box: Over size 4" x 6" galvanized steel junction box with (6) 1/2" (2) 3/4" knockouts facilitate quick wiring • Junction box rated for four (4) No. 12 AWG 90° C branch circuit conductors (2-in, 2-out)

Labels and Listings

- UL listed for feed through and damp locations
- UL and cUL, RoHS compliant
- EMI complies with FCC 47, Part 15, Class A
- Energy Star qualified, see back page for designated products
- I.B.E.W. Union made • ARRA Compliant



Warranty: 5 years when used in accordance with manufacturing guidelines.

Product specifications subject to change without notice.

ORDERING INFORMATION: Rough-in, reflector and accessories each ordered separately.

Example: **L6-17271-G2-LDI**

Rough-in	Light Engine Lumens	Color Temp.	Voltage	Generation	Options
L6	-	-	-	G2	-
L6	08 800 Lumens	27 2700K	U Universal	G2	F Fuse and Fuse Holder
	13 1300 Lumens	30 3000K	1 120V		CP Chicago Plenum
	15 1500 Lumens	30 3000K	2 277V		BR Emergency Battery Pack W/ Remote Test Switch
	17 1700 Lumens	35 3500K	3 347V		PD Driver compatible with Lutron Programmable Dimming EcoSystem®
	23 2300 Lumens	40 4000K			LDI Lumen Depreciation Indicator
	28 2800 Lumens				
	33 3300 Lumens				
	40 4000 Lumens				

ENGINEERING DATA

Voltage	120V							
Light Engine Lumens	800	1300	1500	1700	2300	2800	3300	4000
CCT	(2700K/3000K/3500K/4000K)							
Input Current	0.075	0.125	0.158	0.183	0.242	0.308	0.300	0.383
Input Wattage	9W	15W	19W	22W	29W	37W	36W	46W
Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Voltage	277V							
Light Engine Lumens	800	1300	1500	1700	2300	2800	3300	4000
CCT	(270K/3000K/3500K/4000K)							
Input Current	0.032	0.054	0.069	0.079	0.105	0.134	0.130	0.166
Input Wattage	9W	15W	19W	22W	29W	37W	36W	46W
Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

347 Volt available, consult factory.

Example: **L600P-CQ-WH**

Reflector	Color Options	Finish	Options
L600P	C Clear	Low Iridescent	WH White Flange
Open	G Gold	Alzak® Finishes:	WET Wet Location Listing
Reflector	WT Wheat	L Specular	
	PT Pewter	S Satin	
L600B	BZ Bronze	Q* Semi-Specular	
Baffle	B Black	(*Clear only)	
	W White		
		Blank for white & baffle	

Example: **HB-TL**

Accessories
HB-TL 25" Tru-Lock grid ceiling bar hangers, Pair
HB-52 52" C-Channel Bar Hangers, Pair
HB-28 28" C-Channel Bar Hangers, Pair
LB-27 27" Linear Bar Hangers, Pair
SCA-* Sloped Ceiling adapter

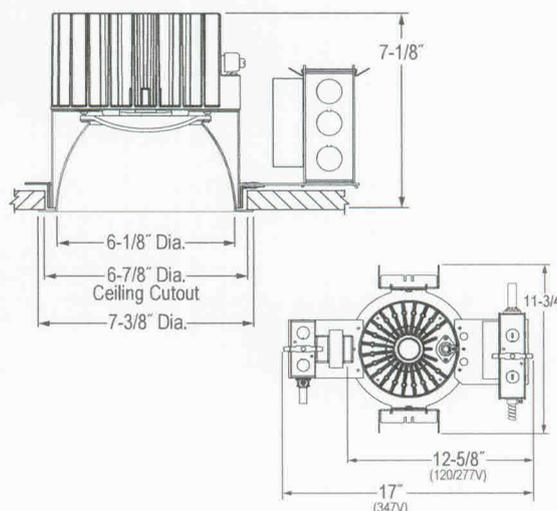
* Angle must be specified when ordering; Available in 5°, 10°, 15°, 20°, 25°, 30° Example: SCA6-20



6" LED DOWNLIGHT
PARABOLIC LENSED APERTURE
L6 SERIES

Type	Cat. No.
R	
Project:	
Notes:	

DIMENSIONS



■ 800 & 1300 lumen fixtures are universal voltage (120/277V)

† Consult Factory for Availability

◆ Not Available for 2800/4000 Lumens

05/13



1300 South Wolf Rd • Des Plaines, Illinois 60018
PHONE 800-367-5866 • FAX 888-708-6578
www.junco-lighting.com

LED AREA LIGHTS - CHALLENGER[®] MEDIUM (XCHM3)



US patent 7828456, 8002428 and CAN 2736757 & 2736757 and MX patent 29631 and ISRL 49679 and AUS 2008312668 and US & Int'l. patents pending

SMARTTEC™ THERMAL CONTROL - Sensors in both optical and driver enclosure reduce driver current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until safe operating temperature is reached.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in Cool White (5000K nominal) or Neutral White (4000K nominal) color temperature, 70 CRI (nominal).

DISTRIBUTION/PERFORMANCE - Type 3, 5 and FT. Exceptional uniformity with full cutoff creates bright environment at lower light levels. Improved backlight cutoff minimizes light trespass.

HOUSING - Radiused, rectangular-shaped, aluminum housing with stainless steel or electro-zinc plated steel mounting hardware.

OPTICAL UNIT - Clear tempered optical grade flat glass lens sealed to aluminum housing creates an IP67 rated, sealed optical unit. Pressure stabilizing breather allows super-tight protection while preventing temperature cycling from building up internal pressures and vacuums that can stress optical unit seals. Patented integral single-blade heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture. Two stainless steel captive fasteners allow easy access to driver. One-piece extruded EPDM gasket seals optical assembly against housing.

MOUNTING - Use with 5" traditional drilling pattern. An extruded radius 8" arm is shipped standard and compatible with all fixture mounting configurations. The fixture may also be mounted to 3"-5" round poles using the round pole plate adaptor accessory (RPP2), which must be ordered separately.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (UE-50/60Hz input) and 347-480VAC. Optional twistlock photocell receptacle is available. Photocell must be ordered separately. Fixture Watts: 350 mA - 141, 450 mA - 187 nominal.

DRIVER - Available in 350mA and 450mA drive currents. (Drive currents are factory programmed). State-of-the-art driver technology designed specifically for LSI LED light sources provides unsurpassed system efficiency. Components are fully encased in potting material for IP65 moisture resistance. Driver complies with FCC 47 CFR part 15 RFI/EMI standard.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip[®] polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, graphite, satin verde green, metallic silver and white. Meets requirements of ASTM B117 1000-hour salt fog and ASTM G155 1000-hour Xenon Arc UV tests (supersedes G53 UVB313).

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Application layouts are available upon request. Contact LSI Applications Group at lighting.apps@lsi-industries.com

SHIPPING WEIGHT (in carton) - 33 lbs./15Kg

LISTING - ETL listed to U.S. and Canadian safety standards. Suitable for wet locations.

LIGHT OUTPUT - XCHM3					
	# of LEDES	Lumens (Nominal)			
		Type 3	Type 5	Type FT	
Cool White	350 mA	128	12800	12100	13000
	450 mA	128	15200	14300	15500
Neutral White	350 mA	128	11700	11100	11700
	450 mA	128	13400	12200	14000

Also available in traditional light sources

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



LED AREA LIGHTS - CHALLENGER® MEDIUM (XCHM3)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XCHM3 FT LED 128 450 CW UE WHT PCR**

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Finish	Options
XCHM3 - LED Challenger Medium	3 - Type III 5 - Type V FT - Forward Throw	LED	128	350 - 350mA 450 - 450mA	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277) 347-480	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	PCR - Photoelectric Control Receptacle ¹

NOTE:

1 - Photocell must be ordered separately - see Accessories.

LUMINAIRE EPA CHART - XCHM3

 Single	1.4
 D180°	2.9
 D90°	2.5
 T90°	4.0
 TN120°	4.1
 Q90°	5.1

Note: House Side Shield adds to fixture EPA. Consult Factory.

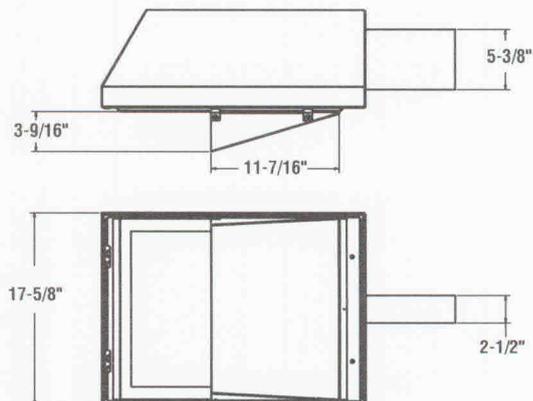
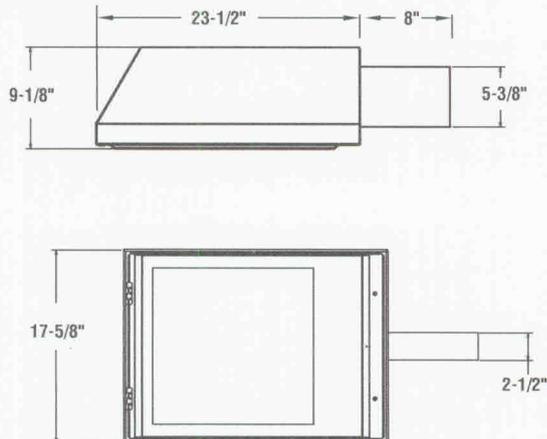
ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number		
PC120 - Photocell	122514+	XCHM3 HSS - House Side Shield for Type 3 and FT	496128BLK+++
PC208-277 - Photocell for 208V, 240V or 277V	122515+	BKS-BO-WM-* - CLR - Wall Mount Plate	123111CLR
PC347 - Photocell	159516+	BKA-BO-RA-8-CLR - Radius Arm	169010CLR
PC480 - Photocell	1225180+	BKU-BO-S-19-CLR - Upsweep Bracket for Round and Square Poles	144191CLR
RPP2 - Round Pole Plate	162914CLR		
FK120 - Single Fusing	FK120++		
FK277 - Single Fusing	FK277++		
DFK208, 240 - Double Fusing	DFK208,240++		
DFK480 - Double Fusing	DFK480++		
FK347 - Single Fusing	FK347++		

NOTES:

+Factory installed PCR option required.
++Fusing must be located in the hand hole of the pole.
+++Black only. House Side Shield adds to fixture EPA. Consult Factory.

DIMENSIONS



HOUSE SIDE SHIELD (496128BLK)

PL2 SERIES LED BOLLARDS

Project: _____

Fixture Type: S2 _____

Location: _____

Contact/Phone: _____

Cat. No.: _____

PRODUCT DESCRIPTION

The PL2 series LED bollards provide energy efficiency, uniform illumination, and rugged construction in a unique and stylish design. Two optical distributions give designers flexibility to match the project's landscape, and an optional internal motion sensor allows the building owners to realize substantial energy savings without altering the fixture look.

PRODUCT SPECIFICATIONS

Optics The PL2 series bollards use a four-quadrant optic design that can be configured to light up all four quadrants (360°) or just two (mounted 90°). The four-quadrant version delivers 360° of illumination. The two-quadrant version is configured with the LEDs positioned at 90° illuminating only one half of the fixture. The two quadrant optical design delivers a 270° pattern similar to a house side shield while at the same time cutting the energy used in half.

The fixture uses a combination of reflector and LED array positioning to achieve the desired optical performance. The aiming of the LED array gives direction to the light, while the reflector improves the fixture efficiency by reflecting out any light that may otherwise get stranded inside the fixture. A UV resistant polycarbonate lens covers and protects the LED components.

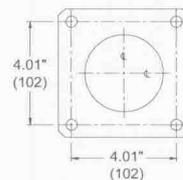
Construction The PL2 series bollards are made of an all-aluminum construction manufactured to withstand the test of time. The shaft is heavy gauge extruded aluminum. The top and bottom pieces are cast aluminum. All components are secured using stainless steel fasteners. The lens is made of UV resistant polycarbonate. The fixture is finished with a 5 stage powder coat finish. Standard fixture construction is 42" long. An optional 22" long fixture is available with some restrictions. See the ordering options for more details.

Thermal Management The LEDs are attached directly to the top of the housing, transferring all heat to the exterior of the fixture. The driver and other electrical components are in a separate compartment inside the shaft, removing them from the heat dissipated by the LEDs. This lowers the operating temperature of the electronic components, and extends the life of the driver.

Finish All exposed surfaces are treated with a five stage powder coat finish for maximum resistance to the elements.

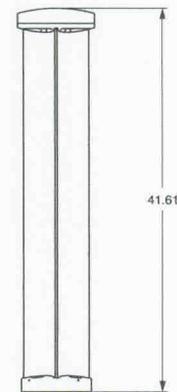
Electrical Two versions utilizing either a 25W or a 50W driver deliver 360° illumination. When the two quadrant version is used the fixture wattage is cut in half. The drivers operate with power factor greater than 0.95 and are capable of universal 120-277VAC operation. The fixtures are also available for 347 or 480VAC. All fixtures are equipped with a 10 KAMP surge suppressor.

0-10V Dimming Option An optional 0-10V dimming driver (option "D") is available. Requires 0-10VDC wiring and connection to a dimming system (supplied by others).



ANCHOR BOLT MOUNTING TEMPLATE

DIMENSIONS



Note: Standard fixture height is 41.61". Other fixture heights are available (see fixture options)

Motion Detection Option Three different motion activated options can be ordered with PL2 Series LED Bollards. All three options are configured to work with an internal motion sensor that is invisible from the outside of the fixture. Option "M" is a simple On/Off operation with the fixture normally in the off state and switching to full on when motion is detected. Options "S" and "H" work with a High/Low light level switch. Option "S" is normally set to 10% of full brightness and switches to 100% when motion is detected. Option "H" has a field configurable low illumination setting that can range from 10% to 100% of full output. The user sets the desired low illumination level that the fixture will operate at when no motion is detected. When the sensor detects movement the fixture switches to full brightness.

Emergency Lighting Option An emergency battery backup (Option "EM") can be installed inside the bollard to provide 90 minutes of emergency illumination during a power outage. This option requires a switched AND an un-switched power source. The battery test switch is internal to the fixture so it does not compromise the wet location integrity or the look of the fixture. The test switch is activated from outside the fixture with the use of a supplied magnetic stylus. EM option temperature range is 0°C - 50°C (32°F - 122°F).

Listing UL1598 and CSA C22.2-250 • Suitable for wet locations • Union made • Assembled in the USA • Meets Buy American Act • 5 year limited warranty when used in accordance with manufacturer guidelines.

Specifications subject to change without notice.

PL2 SERIES LED BOLLARDS

ORDERING INSTRUCTIONS – Example: PL2-A15-4K-UN-5-BZ-H

Series	Light Engine	CCT	Voltage	Distribution	Finish	Options
PL2	-A15	-4K	-UN	-5	-BZ	-H
PL2	-A15 - 450mA -A25 - 900mA	-4K - 4000K CCT -3K - 3000K CCT	-UN - 120-277VAC -UH - 347V/480V -E12 - 120VAC -E20 - 208VAC -E24 - 240VAC -E27 - 277VAC -E34 - 347VAC -E48 - 480VAC	-5 - 360°, 4 modules -3 - 90°, 2 modules	-BL - Black -BZ - Bronze -SL - Silver -WH - White Contact factory for special colors. Provide RAL number	-H - Motion sensor hi/lo with user adjustable low level (must specify voltage) -M - Motion sensor on/off -S - Motion sensor hi/lo with low level factory set to 10% of full illumination (must specify voltage) -D - 0-10VDC dimming capable -EM - Emergency battery (available in 120V or 277V only) -LAB - Less anchor bolts (anchor bolts ordered and shipped separately) -22* - 22" long fixture not available with any other options. Only available with "UN" voltage (120-277V)

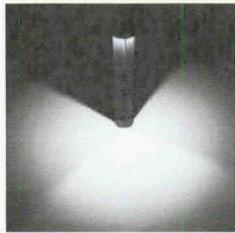
ACCESSORY:

PL2ANCHOR - Anchor bolt and template kit

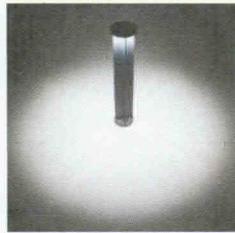
NOTE: Fixtures are supplied with anchor bolts and template unless "LAB" option is specified. When "LAB" option is specified, the fixtures ship without the anchor bolts and template which need to be ordered separately (order PL2ANCHOR accessory).
*Fixtures with option "-22" are only available in 120-277V.

NOTE: Options H, M, S and D may not be combined

LIGHT DISTRIBUTION



2 modules
at 90°
270° of Illumination
DISTRIBUTION 3



4 modules
at 360° of Illumination
DISTRIBUTION 5

PERFORMANCE DATA

CATALOG NUMBER	OPTICAL DISTRIBUTION	LUMENS	CCT	VOLTAGE	WATTAGE
PL2-A25-4K-UN-5	5	2525	4000K	120V	45
PL2-A15-4K-UN-5	5	1263	4000K	120V	25
PL2-A25-4K-UN-3	3	1069	4000K	120V	25
PL2-A15-4K-UN-3	3	535	4000K	120V	13

LED LUMEN DEPRECIATION

Ambient Temperature	L ₇₀ Hours
77°F (25°C)	100,000

NOTE: L70 is the predicted time when LED performance depreciates to 70% of initial lumen output while operating at the specified ambient temperature.



1300 S. Wolf Road • Des Plaines, IL 60018 Phone (847) 827-9880 • Fax (847) 827-2925
220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064
Visit us at www.junolightinggroup.com Specifications are subject to change with out notice

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PL2 SERIES LED BOLLARDS

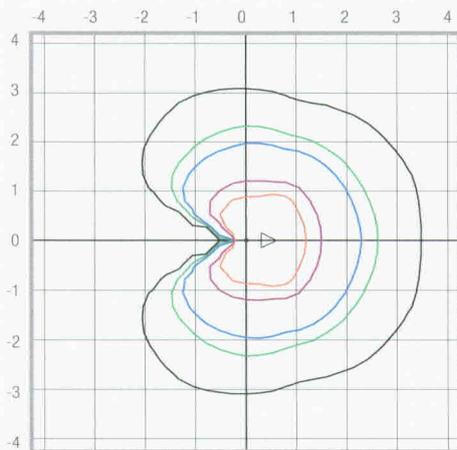
PHOTOMETRY

Luminaire Classification System (LCS)

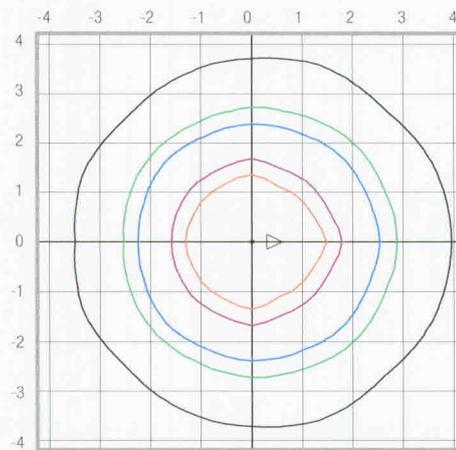
Zone	PL2-A25-4K-UN-5		PL2-A25-4K-UN-3	
	Total Lumens	2,525	Total Lumens	1,069
	Luminaire Lumens	% of Luminaire Lumens	Luminaire Lumens	% of Luminaire Lumens
Forward Light	1,257	49.8%	793	74.2%
FL (0°-30°)	400	15.8%	263	24.6%
FM (30°-60°)	668	26.4%	424	39.6%
FH (60°-80°)	171	6.8%	94	8.8%
FVH (80°-90°)	19	0.7%	12	1.2%
Back Light	1,181	46.8%	243	22.7%
BL (0°-30°)	388	15.4%	76	7.1%
BM (30°-60°)	639	25.3%	136	12.7%
BH (60°-80°)	136	5.4%	30	2.8%
BVH (80°-90°)	17	0.7%	2	0.2%
Up Light	87	3.4%	33	3.1%
UL (90°-100°)	29	1.2%	12	1.1%
UH (100°-180°)	58	2.3%	22	2.0%
Trapped Light	N/A	N/A	N/A	N/A
BUG Rating	B1-U2-G1		B0-U2-G1	

All tests were performed according to IES LM-79-08

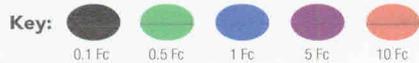
Isofootcandle plots. Distances are in units of mounting height (3.3')



PL2-A25-4K-UN-3-SL



PL2-A25-4K-UN-5-SL



LED ARCHITECTURAL
FACADE LIGHTING

TYPE - T

MASQUE-LED

WHITE LIGHT, STATIC COLORS & RGB COLOR CHANGING



SPECIFICATION						
Output	BEAM ANGLE	7°, 15°, 30°, 45°, 100°, 10° X 60° = HSL				
	COLOR TEMPERATURE & COLOR RANGE	2700 K, 3500 K, 4000 K, Static Red, Green, Blue, Amber, RGBW, RGB				
	LUMENS & EFFICACY (LM/W)	WHITE LIGHT (4000K)				
		WATTAGE	OPTICS	LUMENS	EFFICACY (lm/W)	PEAK CANDELA
		30W	7°	2325 lm	63.69 lm/W	107,338 cd/m ²
		30W	15°	2064 lm	56.5 lm/W	33,310 cd/m ²
		30W	30°	2190 lm	60 lm/W	9,672 cd/m ²
		30W	45°	2131 lm	58.3 lm/W	3,812 cd/m ²
		30W	HSL	2052 lm	56.2 lm/W	8,408 cd/m ²
		50W	7°	3280 lm	58.9 lm/W	160,295 cd/m ²
	50W	15°	2912 lm	52.37 lm/W	47,005 cd/m ²	
	50W	30°	3002 lm	53.99 lm/W	13,257 cd/m ²	
	50W	45°	2727 lm	49 lm/W	5,374 cd/m ²	
	50W	HSL	3167 lm	56.9 lm/W	12,973 cd/m ²	
	120W	7°	7954 lm	63.17 lm/W	353,362 cd/m ²	
	120W	15°	6885 lm	54.44 lm/W	111,131 cd/m ²	
	120W	30°	7306 lm	58.03 lm/W	32,270 cd/m ²	
	120W	45°	7111 lm	56.21 lm/W	12,720 cd/m ²	
	120W	HSL	7145 lm	56.4 lm/W	29,299 cd/m ²	
		RGB COLOR CHANGING				
		50W	7°	1588 lm	28.4 lm/W	69,373 cd/m ²
		135W	7°	4366 lm	29.72 lm/W	212,344 cd/m ²
	LUMEN MAINTENANCE	White & RGB: L70 AT 25° C, Minimum 75,000 hours				
Electrical	INPUT VOLTAGE	120V to 277V				
	POWER CONSUMPTION	30W: 36.5 W 50W: 55.6 W 120W: 125.9 W 135W: 146.9W				
Control		DMX Ready				
Physical	DIMENSIONS (HEIGHT X WIDTH X DEPTH)	MASQUE 1 - SM Mounting: 9-5/8" x 5-1/8" X 6-3/4" MASQUE 2 - SM Mounting: 12-3/4" x 5-3/4" X 7-1/8" MASQUE 4 - SM Mounting: 21" x 9-1/2" X 13-1/8"				
	WEIGHT	MASQUE 1 - SM Mounting: 7 lbs (3 kg) MASQUE 2 - SM Mounting: 12 lbs (5 kg) MASQUE 4 - SM Mounting: 47 lbs (21 kg)				
	HOUSING	Heavy duty die-cast aluminum, powder-coated finish				
	EPA	MASQUE 1: 0.551 FT ²	MASQUE 2: 0.891 FT ²	MASQUE 4: 2.269 FT ²		
	LENS / LENS FRAME	Tempered glass / Heavy duty single piece die-cast aluminum, powder-coated finish				
	OPERATING TEMPERATURES	-25° C to 40° C				
Certification	CERTIFICATION	UL/CUL Wet Location				
Warranty	5 YEAR	Limited				

Lumen measurement tested in accordance with IES LM-79-08

EXTERNAL SHIELD OPTIONS



ECB
Cross Baffle
Shielding in vertical and horizontal planes.



EHB
Horizontal Baffle
Glare cutoff in the vertical plane.



EVB
Vertical Baffle
45° shielding for low brightness lateral cutoff.



BD
Barn Doors
Flexible framing of the beam pattern.



VS
Cutoff Visor
Shielding for cutoff in front of the luminaire.



FS
Adjustable Framing Snoot
Glare control for precise beam framing.

INSIGHT

Insight Lighting

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**LED ARCHITECTURAL
FACADE LIGHTING**

MASQUE-LED

WHITE LIGHT, STATIC COLORS & RGB COLOR CHANGING

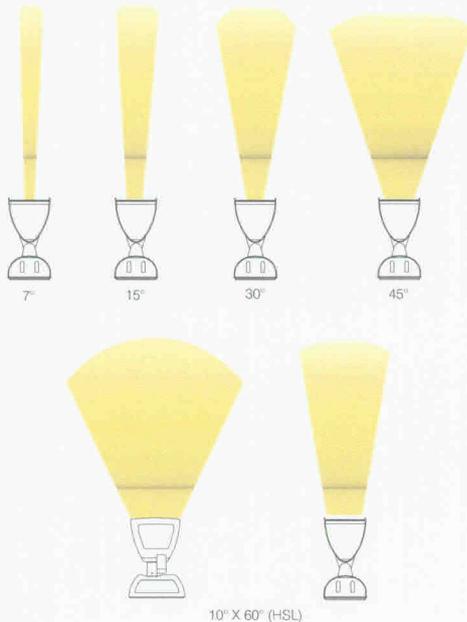
PREFIX	FIXTURE WATTAGE	COLOR TEMP. OR COLOR	OPTICS	MOUNTING	POWER SUPPLY	FINISH	OPTIONS
MASQUE 1 MQ1	16	White Light 27K = 2700K 35K = 3500K 40K = 4000K R = Static Red G = Static Green B = Static Blue A = Amber	7° 15° 30° 45° 100° HSL (10° X 60°)	MASQUE 1 & 2 MOUNTING OPTIONS SM = Surface Mount, Wall or Ground CM = Conduit Mount EX-X = Extended Arm X = Arm length WM2-X = Twin Fixture, Wall Mount Direct & Indirect X = Arm length	INT = 120V - 277V Integral Power Supply IDIM = 120V - 277V Integral Dimming Power Supply for White Light or Static Colors, 0-10V Contact factory for 347V	TW = Textured White TBL = Textured Black TBR = Textured Bronze TLB = Textured Light Bronze TN = Textured Natural TS = Textured Sandstone	EXTERNAL SHIELDS ECB = Cross Baffle EHB = Horizontal Baffle EVB = Vertical Baffle BD = Barn Doors VS = Cutoff Visor SN = Snoot (Contact factory for Masque 4 Snoot availability) FS = Adjustable Snoot WG = Wire Guard OPTIONS TP = Tamper Proof Fasteners CRF = Corrosion Resistant Finish
	16	RGBW Contact factory for availability	30° 100°	ST-X = Stanchion X = Stanchion height DB1 = Direct Burial, Single Fixture CONTACT FACTORY FOR AVAILABILITY DB2 = Direct Burial, Twin Fixture CONTACT FACTORY FOR AVAILABILITY			
MASQUE 2 MQ2	30	White Light 27K = 2700K 35K = 3500K 40K = 4000K R = Static Red G = Static Green B = Static Blue A = Amber	7° 15° 30° 45° 100° HSL (10° X 60°)				
	50						
	30	RGB = RGB					
MASQUE 4 MQ4	120	White Light 27K = 2700K 35K = 3500K 40K = 4000K R = Static Red G = Static Green B = Static Blue A = Amber	7° 15° 30° 45° 100° HSL (10° X 60°)	MASQUE 4 MOUNTING OPTIONS SM = Surface Mount CM = Conduit Mount EX-X = Extended Arm X = Arm length ST-X = Stanchion X = Stanchion height DB1 = Direct Burial, Single CONTACT FACTORY FOR AVAILABILITY			
	135	RGB = RGB					

Notes:

- DMX controls are required. Contact factory.
- Every fixture is shipped standard as System Control (every fixture has the same address).
- One Splitter/LED Programming Kit (CDS-PK) must be ordered for each RGB or RGBW installation. See below.

Ordering Example: MQ1/ 16 / 35K / 45° / SM / INT / TW / WG

PREFIX	FIXTURE WATTAGE	COLOR TEMP. OR COLOR	OPTICS	MOUNTING	VOLTAGE	FINISH	OPTIONS



DMX SPLITTERS/PROGRAMMING KIT - ORDER SEPARATELY	
REQUIRED FOR ALL RGB/RGBW INSTALLATIONS	
CAT#	DESCRIPTION
CDS-PK	DMX SPLITTER/LED PROGRAMMING KIT One CDS-PK is required per RGB or RGBW installation. CDS-PK consists of four outputs. Each output accommodates up to 32 fixtures. Every universe requires its own dedicated CDS-PK. The CDS-PK includes a LED programming kit for field addressing. If additional splitters are required, order CDS1 and/or CDS2 per project requirements. The CDS-PK will allow for field changes to the DMX resolution which could result in the consumption of more DMX addresses and could result in the need for more DMX control equipment. Insight is not responsible for determining project resolution requirements, but can be accommodated with a programming kit (CDS-PK).
CDS1	DMX SPLITTER ONLY (4 OUTPUTS) CDS1 consists of four outputs. Each output accommodates up to 32 fixtures.
CDS2	DMX SPLITTER ONLY (8 OUTPUTS) CDS2 consists of eight outputs. Each output accommodates up to 32 fixtures.

INSIGHT

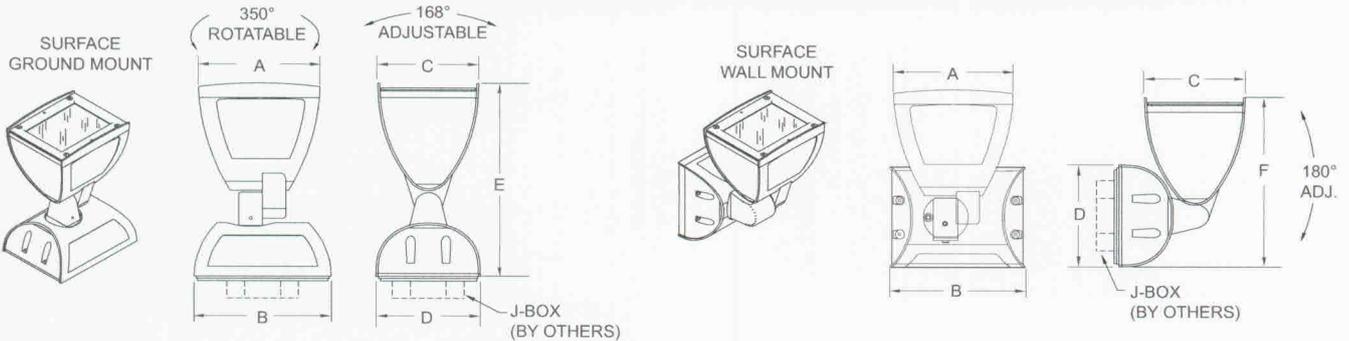
LED ARCHITECTURAL
FACADE LIGHTING

MASQUE-LED

WHITE LIGHT, STATIC COLORS & RGB COLOR CHANGING

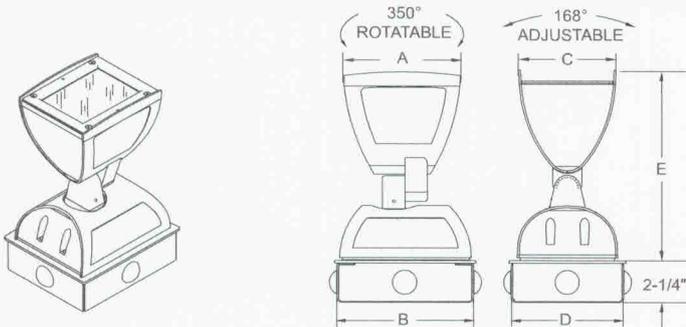
MOUNTING & DIMENSIONS

SM - SURFACE, WALL, GROUND



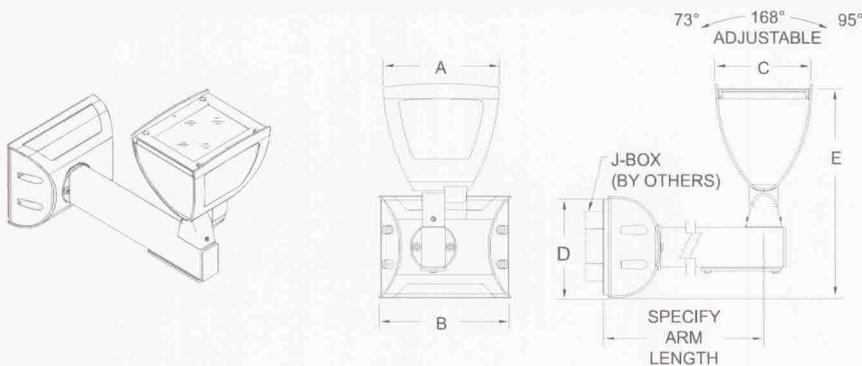
PRODUCT	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F
MASQUE 1	6"	6-3/4"	5"	5-1/8"	9-5/8"	8-5/8"
MASQUE 2	7-1/4"	7-1/8"	6-7/8"	5-3/4"	12-3/4"	11-1/2"
MASQUE 4	14-7/8"	13-1/8"	12-3/4"	9-1/2"	21"	18-1/8"

CM - CONDUIT MOUNT



PRODUCT	DIM A	DIM B	DIM C	DIM D	DIM E
MASQUE 1	6"	7-1/4"	5"	6"	9-5/8"
MASQUE 2	7-1/4"	7-1/4"	6-7/8"	6"	12-3/4"
MASQUE 4	14-7/8"	13-3/8"	12-3/4"	9-13/16"	21"

EX - EXTENDED ARM



Specify Arm Length:

Masque I: Specify 6", 12", 18" or 24"

Masque II: Specify 8", 12", 18" or 24"

Masque IV: Specify 12", 18" or 24"

PRODUCT	DIM A	DIM B	DIM C	DIM D	DIM E
MASQUE 1	6"	6-3/4"	5"	5-1/8"	11"
MASQUE 2	7-1/4"	7-1/8"	6-7/8"	5-3/4"	13-7/8"
MASQUE 4	14-7/8"	13-1/8"	12-3/4"	9-1/2"	21-3/4"

INSIGHT

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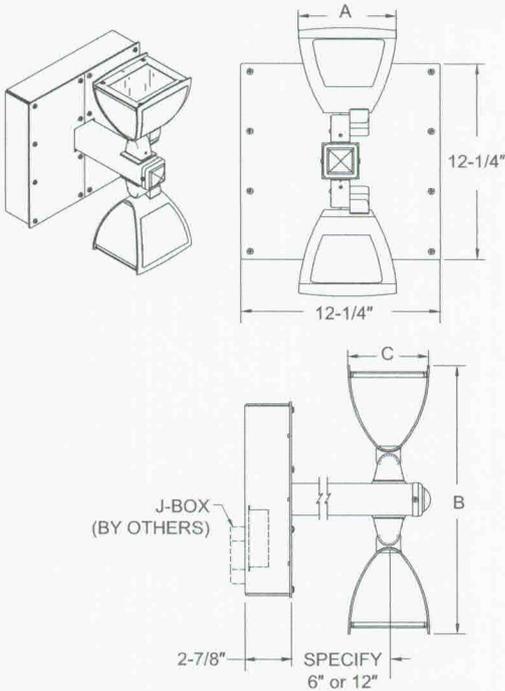
LED ARCHITECTURAL
FACADE LIGHTING

MASQUE-LED

WHITE LIGHT, STATIC COLORS & RGB COLOR CHANGING

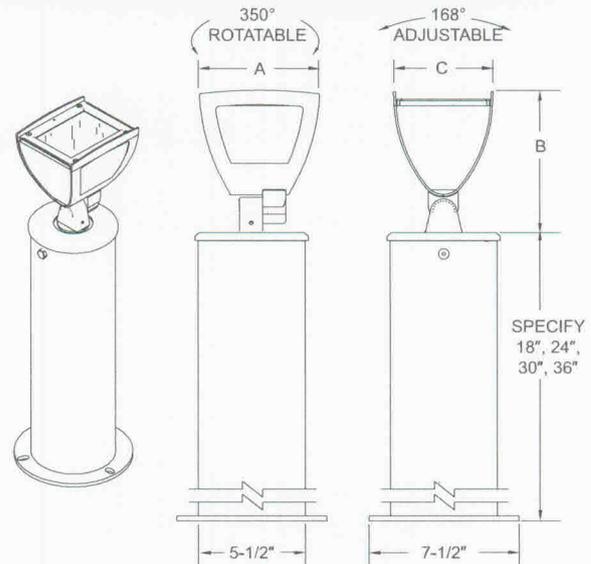
MOUNTING & DIMENSIONS

WM2 - DIRECT/INDIRECT WALL



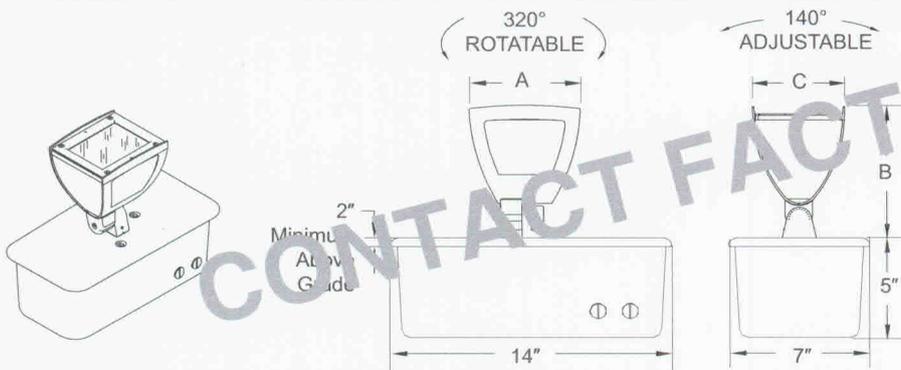
PRODUCT	DIM A	DIM B	DIM C
MASQUE 1	6"	16-5/8"	5"
MASQUE 2	7-1/4"	22"	6-7/8"

ST - STANCHION



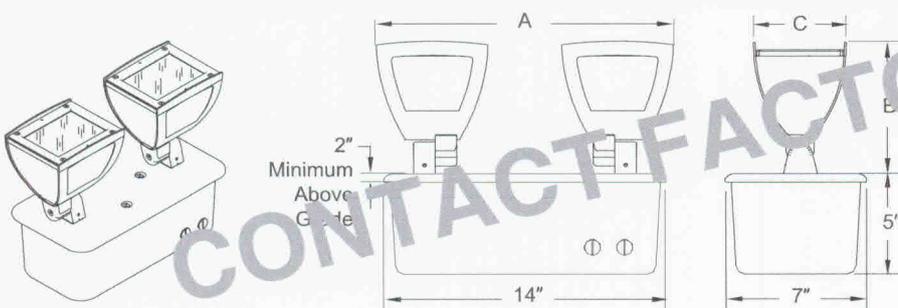
PRODUCT	DIM A	DIM B	DIM C
MASQUE 1	6"	7-1/8"	5"
MASQUE 2	7-1/4"	10"	6-7/8"
MASQUE 4	14-7/8"	15-1/4"	12-3/4"

DB - DIRECT BURIAL, SINGLE



PRODUCT	DIM A	DIM B	DIM C
MASQUE 1	6"	7-1/8"	5"
MASQUE 2	7-1/4"	10"	6-7/8"
MASQUE 4	14-7/8"	15-1/4"	12-3/8"

DB2 - DIRECT BURIAL, TWIN



PRODUCT	DIM A	DIM B	DIM C
MASQUE 1	15-1/2"	7-1/8"	5"
MASQUE 2	16-7/8"	10"	6-7/8"

INSIGHT

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Slim Galileo

SLIM ADA SCONCE SERIES

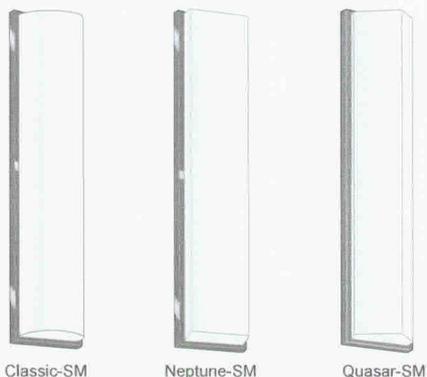
Narrow Round or Rectangular Diffuser; may include PX or SHLD
Fluorescent and LED Lamp

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		U
APPROVED BY		



Just a few examples of Slim sconces are shown
Refer to the following Index Page— Choose any rectangular,
round or triangular model.

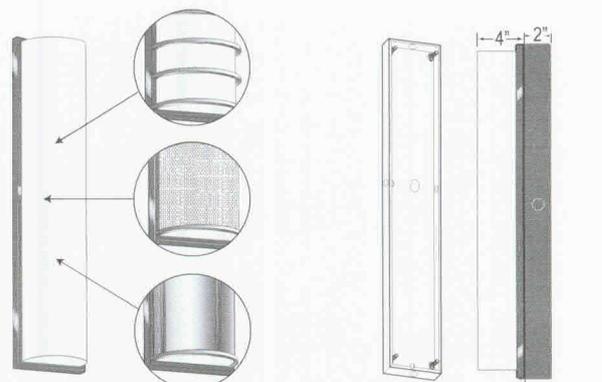


SPECIFICATIONS

- BALLAST** — For CFL Electronic Cold Weather HPF is Standard.
- BACKPLATE** — 16 Ga. aluminum (AL)
- BACKBOX** — 16 Ga. aluminum (AL) with wire access on four sides and back through 7/8" dia. KO flattened water tight (Optional for surface conduit entry; standard with emergency battery)
- COLOR WINDOW** — Color Accent in Aperture/Window—**Aries**—Translucent Opal White (OPL) is Standard; Choose: Red (RD), Blue (BLU), Green (GN) or Amber (AM).
- DIFFUSER** — White translucent, fully enclosed non-yellowing 100% virgin acrylic, .125 Thick (1/8"). Optional Clear (CTB) top and/or bottom—adds contribution of up and down light; Opaque (OQTB) top and/or bottom; or Open (ONTB) top and/or bottom — Dry Location Only.
- PERFEX** — Perforated Aluminum Panel Insert with 1/16" dia. holes (23% open). Specify Finish.
- SHIELD** — Solid Aluminum Opaque Shield. Consult Factory about possible lamp/wattage limitations. Specify Finish if choosing SHLD. Shield with Color Accent in Aperture/Window is Standard for Aries - Optional Solid Front (SF)
- FINISH** — Corrosion and Weather resistant, extremely durable pre-treated oven baked polyester powder
- GASKETING** — High temp., non-aging black EPDM and/or neoprene rubber around the entire lens perimeter & rear wire entrance hole to protect against dust, moisture, outside contaminants
- FASTENERS** — Stainless steel tamperproof screws —(2) To secure lens in place
- MOUNTING** — Use (4) 5/16" dia. holes for 1/4" dia. bolts for outdoor or indoor (no center access hole for J-Box mount). Must derate lamping for horizontal.
- UL/ULC** Listed to U.S. and Canadian safety standards - Suitable for wet locations.

You can customize any fixture (CR) and design your own cage if you don't find the style you want within our standard configurations.

LAMP TYPE/QTY/WATTAGE					
Visit www.eclipselightinginc.com for available IES files					
Fixture Size	XL1	XL2	XL3	XL4	
Dimensions - W x H x D	5 1/2" x 18" x 4"	5 1/2" x 26" x 4"	5 1/2" x 38" x 4"	5 1/2" x 51" x 4"	
Compact Fluorescent Twin Tube	TT (2G11) (1)18/24w	(1)36/39w	N/A	N/A	
Compact Fluorescent Double Twin Tube	DTT (G24Q) (1)13/26w	(2)13w	N/A	N/A	
Linear Fluorescent	T5/T5-HO N/A	(1)14/24w	(1)21/39w	(1)28/54w	
Linear Fluorescent	T8 N/A	(1)17w	(1)25w	(1)32w	
Light Emitting Diode	LED 15w	20w	30w	40w	



Custom Requirements (CR): Use bars, perfex and/or shield or the combination of elements to design custom cage

Shown with optional backbox (BB)

Series	Size	Lamp/Qty/Watt	Color Temp	Voltage: Primary/Emergency	Finish	Options

NOTES:

- Consult Factory with requests regarding lamp sources including LED, color temp, wattages or voltages not shown.
- Backbox (BB) Required (where text bold and notes shown)
- Consult Factory for additional Emergency Battery options not shown
- Consult Factory: May Require Lower Wattage or Backbox
- Max mounting height of fixture is 10' (10 feet)
- Consult Factory for other Voltage.
- Motion Sensor available as: Single circuit-all on, all off (MSI = Integral, MSE = External) or Dual circuit, half on half off (MSI2 = Integral; MSE2 = External)
- Due to form and fit, final selection of the Battery Pack under discretion of Factory

SERIES

Refer to Index Page— Choose any rectangular, round or triangular model.

SIZE

- XL1 = 18" long
- XL2 = 26" long
- XL3 = 38" long
- XL4 = 51" long

LAMP TYPE/LAMP QUANTITY/WATTAGE

Refer to Chart Above

COLOR TEMPERATURE (LED ONLY)

- 3K = ±3000K range LED
- 4K = ±4000K range LED
- 5K = ±5000K range LED

VOLTAGE

- 120 = 120 Volts EB
- 277 = 277 Volts EB
- 347 = 347 Volts EB
- 2EB = Two Electronic Ballasts
- EBU = High Temp Universal Volt (120-277V) Electronic Ballast

FINISH (list PX or SHLD finish second)

STANDARD PAINTED FINISH

- BK = Black
- BZ = Bronze
- PNA = Painted Natural Aluminum
- SGR = Silver Gray
- WH = White

CUSTOM PAINTED FINISH

- CC = Custom Color (Provide Specs)
- HBA = Hand Brushed Aluminum with Clear Coat

LED OPTIONS

- BL = Dual Circuit for Bi-Level light (High/Low), includes 2EBU
- D7 = 0-10V low-voltage dimming (100-30% Standard, Consult Factory for Other)

EMERGENCY BATTERY OPTIONS

No onsite Emergency Power (AC or DC) is provided
Specify Fixture Voltage: 120V or 277V Power Feed A=120V or B=277V

Fluorescent Emergency Battery

- REL2 = Remote: (1-2)DTT/TTT; (1-2)T8; 650 Lumens
- REL35 = Remote, Cold Weather: (1) TT/DTT/TTT; 1250 Lumens
- REL52 = Remote, Cold Weather: (1-2) DTT/TTT; 1250 Lumens

LED Emergency Battery

- EL61 = Integral: LED 12W, ±720 Lms (by lota)
- EL63 = Integral: LED 23W, ±1290 Lms (Bodine)
- EL67 = Integral, Cold Weather: LED 23W, ±1290 Lms (lota)
- EL82 = Integral: LED 4W (Fulham) —Factory Recommended
- EL85 = Integral: LED 20W (Fulham) —Factory Recommended
- EL88 = Integral: LED 16W (Fulham) —Factory Recommended

LED EMERGENCY CIRCUIT

Onsite Generator Power (AC) or Battery Power (DC) is provided via separate circuit to the fixture

- EC1A = (1) 5W LED for Line Voltage (120VAC)
- EC1B = (1) 5W LED for Line Voltage (277VAC)
- EC3A = (2) 5W LED for Line Voltage (120VAC)
- EC4A = (2) 5W LED for Line Voltage (277VAC)
- EC1D = (1) 5W LED for Low Voltage (12VDC)
- EC2D = (1) 5W LED for Low Voltage (24VDC)
- EC3D = (2) 5W LED for Low Voltage (12VDC)
- EC4D = (2) 5W LED for Low Voltage (24VDC)

OPTIONS

- 9002 = Tamperproof Screwdriver
- ATBS = Aluminum Top & Bottom Shield (No Light)
- BB = 2" depth Backbox for EL or Surface Conduit (Not ADA)
- CM = Ceiling Mount
- CR = Custom Requirements
- CTB = Clear Top & Bottom—adds contribution of up and down light
- CW = Color Accent in Aperture/Window (Aries) Red (RD), Blue (BLU), Green (GN) or Amber (AM)
- D1 = Linear Fluorescent Dimming Ballast
- D3 = Compact Fluorescent Dimming Ballast
- FUS = Single Fusing
- DFUS = Double Fusing
- GTD = Generator Transfer Device (Bodine)
- GV = Gravura Custom Engraving (Consult Factory)
- HM = Horizontal Mount
- MSE, MSE2 = Motion Sensor External for LED Specify Finish: White (WH) or Bronze (BZ)
- MSI, MSI2 = Motion Sensor Integral for LED
- OQTB = Opaque Top & Bottom (reduces light transmission)
- ONTB = Open Top & Bottom (indoor only)
- PX = Alum. Perforated Insert with 1/16" dia. holes — Not for Use with T5; (Must Specify Finish)
- SF = Solid Front (Aries) Aluminum Shield
- SHLD = Aluminum Shield (Must Specify Finish)



Galileo Slim Series Index Page

Most models from Galileo Series are available as a Slim

Alphabetical Index	
Apollo	AP-SM
Aries	AI-SM
Artemis	AT-SM
Aurora	AU-SM
Aztec	AZ-SM
Cancer	CA-SM
Capricorn	CC-SM
Celestial	CT-SM
Ceres	CE-SM
Classic	CL-SM
Comet	CO-SM
Cosmos	CS-SM
Galaxy	GA-SM
Hera	HR-SM
Juno	JN-SM
Jupiter	JU-SM
Katy	KT-SM
Leo	LE-SM
Libra	LI-SM
Lindo	LD-SM
Lunar	LU-SM
Mariner	MR-SM
Mercury	ME-SM
Neptune	NE-SM
Orbit	OR-SM
Orion	ON-SM
Phoebus	PH-SM
Pisces	PI-SM
Pisces 2	PI2-SM
Quasar	QU-SM
Saturn	ST-SM
Taurus	TA-SM
Thor	TH-SM
Titan	TI-SM
Triton	TR-SM
Uranus	UR-SM
Vega	VA-SM
Viking	VK-SM
Virgo	VG-SM
Zeus	ZE-SM



Apollo-SM



Aries-SM



Artemis-SM



Aurora-SM



Aztec-SM



Cancer-SM



Capricorn-SM



Celestial-SM



Ceres-SM



Comet-SM



Cosmos-SM



Galaxy-SM



Hera-SM



Juno-SM



Jupiter-SM



Katy-SM



Leo-SM



Libra-SM



Lindo-SM



Lunar-Slim



Mariner-SM



Mercury-SM



Orbit-SM



Orion-SM



Phoebus-SM



Pisces-SM



Pisces 2-SM



Saturn-SM



Taurus-SM



Thor-SM



Titan-SM



Triton-SM



Uranus-SM



Vega-SM



Viking-SM



Virgo-SM



Zeus-SM