

ADDENDUM NO. 1

Renovation of 55 Vacant Units at 4 Maui Projects

HPHA JOB NO. 09-016-000-S

IFB-CMS-2009-18

May 21, 2009

NOTICE TO ALL PROSPECTIVE BIDDERS:

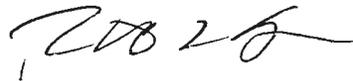
This addendum is hereby made a part of the Contract Documents for the above project, and shall amend the said documents in the following respects as indicated below:

- A. The **REQUEST FOR QUOTES** shall be amended as follows:
1. Replace the entire TABLE OF CONTENTS and replace it with the new TABLE OF CONTENTS THREE (3) pages.
 2. Replace the entire GENERAL REQUIREMENTS (Summary of Work GR-1-1 to G1-4 with the new GENERAL REQUIREMENTS (Summary of Work GR-1-1 to G1-5)
- B. **REQUEST FOR SUBSTITUTION:**
See attached substitution items A. B. C, & D for Section Item 16510
- C. **CLARIFICATION:**
1. Flooring:
Flooring will only be replaced in accordance with the "GENERAL REQUIREMENTS" G1-1a "All Units Vacant Inspection"
 2. Molokai units have been deleted from the Scope of Work.
 3. All Addendums will be posted on our WEB site and all interested contractors will be faxed.
 4. Not all front doors to be replaced, i.e. #1849 a2 & a3, follow list.
 5. Replace all screen doors (security screen doors).
 6. The closet doors will be replaced as required per inspection list.

7. The Specifications call out for all cabinets to get new hardware through out.
8. Replace all hollow-core doors with solid core doors, include all bedroom doors.
9. The closet doors are not getting replaced.
10. Only at Piilani Homes (Elderly) will the grab bars require backing as stated in the specifications.
11. Dispenser in bathroom section of the General Requirements, Summary of Work 1.02 has been removed.
12. The fire alarms must be hardwired (with battery back-up) per the specifications.
13. Provide/install new curtain hardware, as per specification.
14. ONLY at Piilani Homes (elderly) all 11 tubs are to be replaced per specification, at the other project sits follow specifications.
15. Delete: Termite fumigation & Soil Treatment from the Scope of work in the Unit Inspection list for David Malo Circle and Piilani Home (Elderly) in the specifications.
16. Replace all window screens, frames and associated hardware for all 55 units.
17. Replace all water supply lines from the angle stops to the faucets only. Nothing in the walls.

All other terms of the IFB shall remain in full effect.

Approved by:



Rick T. Sogawa
Acting Procurement Officer



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Job No. 09-016-000-S

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Section 09650 – Resilient Flooring

Section 09650-a -VCT Product Spec Sheet

Section 09920 – Repainting

DIVISION 10 – SPECIALTIES

Section 10800 – Toilet and Bathroom Accessories

Section 10800-a - Elongated Toilet Product Spec Sheet

Section 10800-b – Kitchen Faucets

Section 10800-c – Shower Fixture

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DIVISION 13 -ASBESTOS

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DIVISION 16 – ELECTRICAL

Section 16010 – Basic Electrical Requirements

Section 16510 – Lighting Fixtures

Section 16510-a - 2-Light Vanity Fixture Product Spec Sheet

Section 16510-b – 8" Utility Light Product Spec Sheet

Section 16510-c – Lithonia Lighting Low Profile Round 11" Product Spec Sheet

Section 16510-d – Lithonia Lighting Low Profile Round 14" Product Spec Sheet

See Addendum #1: Light Fixtures Approved Submittals

Note: Material Submittal Checklist & Site Map attached.

Approved Suppliers

Cabinets

Hawaii's Finest Instock Cabinets

Rod Black

400 Hana Hwy. "A"

Kihei, Maui, HI. 96753

Office: (808) 873-8800

Fax (808) 873-8803

Fixture:

Home Depot

Lowe's

Faucets (Kitchen & Bath)

Franke (USA)

Etinerly

Bathroom:

<http://www.americanbathind.com/index.html>

"AS Built" drawings & Site Maps (see attached)

END OF SECTION

GENERAL REQUIREMENTS

GR 1 - SUMMARY OF WORK

1.01 REQUIREMENTS INCLUDED

- The contractor to purchase:

Two (2) new VCT flooring removal strippers (Duro Stripper #10-4954, 120v, 17 AMPS, 26lbs.) to remove old VCT flooring.

Two (2) Crewman 20" Heavy Duty floor (buffer) Machines, Crewman "20 – 20", Item #E83014-00.

Two (2) new team cleaning machine (Shark Ultra Steam Blaster-Lavender available at Lower's Hardware & Home Depot) to remove gummy/sticky residue on walls and other surfaces.

Upon completion of contract work, the contractor is to turn over these machines to the AMP #39 manager for their use.

- The contractor to purchase **five (5) newly refurbished** shed 20 foot long storage containers for storing of their construction materials and equipment. These will be stored at the project sites **on concrete blocks (Tofu)**, (Locations to be determined at time of pre construction meeting). Upon completion and acceptance of the contract, the containers are to be turned over to the AMP #39 manager.

1.02 WORK COVERED BY CONSTRUCTION DOCUMENTS

Provide materials, labor & equipment necessary to renovate 55 vacant units on Maui as described in this scope of work. Similar vacant units will be made available for inspection at the different project sites.

DEMOLITION

- Renovation shall include the complete demolition, removal and disposal of the kitchen and bathroom cabinets, hardware, doors, broken jalousie window, screens & hardware, plumbing fixtures, electrical fixtures (interior & exterior), plugs, switches, plates and covers.

ABATEMENT

- At Piilani Homes (elderly), the Contactor shall provide air monitoring, testing and clearance certification that comply with the Federal guide lines. The Contractor shall notify State Department of Health (DOH) at least 10 days before starting of work. See Division 13 - Section 13993 – Asbestos Abatement for proper handling and disposal

- Remove and properly dispose of asbestos-containing floor tile and mastic.

REPLACE / INSTALL

- Replace/install new gypsum board (ceilings and walls) as required.
- Where required behind gypsum board wall there shall be adequate wood backing or blocking, especially at critical locations such as grab bars, doorstops or knobs. Firestop blocking (2 hr) shall be required at any penetrations between units. Texturing shall match the existing texture, such as a "knockdown" for walls. Follow recommendations described in the USG manual, or as indicated by the HPHA representative. References used: ASTM C36, Gypsum Wallboard; ASTM C475, Joint Treatment Materials for Gypsum Wallboard Construction; and ASTM C1002, Steel Drill Screws for the Application of Gypsum Board. Submit "Certificate of Compliance" that materials meet the specified requirements and are asbestos free.
- Paint all sides and edges of the new doors per the door manufacturer's specifications and warranty requirements. Clean, repair, and prepare all interior walls, ceiling, doors, jambs, trim for painting (i.e. removal any dust, tape, nails, screws and debris). The color of the paint shall match the existing color. Apply primer and two (2) finish coats of paint. Airless spraying painting is allowed inside the unit and no lead paint shall be used. Fill holes and voids before re-texturing to match existing surfaces. Notify the HPHA representative between each painting phase, (surface preparation, texturing, spot prime, prime coat, first finish coat and second finish coat) to obtain approval when deviating from submitted schedule. Failure to obtain approvals may be subject to rejection and surfaces redone or repainted at no extra cost to the
- As required, replace/install install solid-core type front entry door. Frame, jams and trim to match the existing with new lock with two (2) keys and to be keyed to the master key.
- Replace/install new interior doors must be solid-core doors, frames, jambs, with hardware and privacy locks.
- Replace/install new light fixtures (see attached), switches, plugs, plates and covers to comply with the current building code and must be Energy Star type.
- As required, replace/install new VCT tile, caulk & cove-base entire units, color to match existing.
- Install all required electrical components, arc fault circuit and materials as required per NEC & county codes.
- Replace/install new 120v solid wire smoke alarms/detectors in kitchen and bedroom; replace outlets with GFCI type as required by code.

- Replace as required jalousie window (obscure glass), frames, handles. **ALL** window screens and frames shall be replaced. Replace/repair hardware as required.
- At Piilani Homes (elderly) repair/make functional sliding glass door and sliding screen door. Replace with new rollers on sliding glass and screen door as needed.
- Windows are to match existing; obscure jalousie window will be required. The Contractor must replace existing windows as required, hardware, glass slats and all window screens and frames as required bringing them up to a well functioning system.
- Piilani Homes Elderly (11 units) will be the only project that must comply the American Disability Act (ADA) for the kitchen and bathroom (step-in shower)
- A professional janitorial service company shall clean the units to the satisfaction and the acceptance by the HPHA Project Engineer or HPHA representative. See attached: Division 1 – Section 01710 – Cleaning

KITCHEN

- Replace/install kitchen cabinets, plumbing fixtures, electrical fixtures (interior & exterior), plugs, switches, plates and covers. Design must have cabinet over range for attaching ductless range hood.
- Replace/install new kitchen cabinets model: The supplier (Finest In stock Cabinets) inventories 1 style of cabinet & 1 Finish
 Door style- **Traditional Face Frame** Shaker style
 Pacific Alder is the wood Species and
 Cayenne is the referred finish color
- Post-formed counter-top. Belanger® Milano Countertop with 4" backsplash **or 6223-58 Formica Gold Granite**
- Replace/install sink, faucet, p-trap/drain lines, flange, water supply lines, new angle valve with ¼"turn type and etc.
- Elkay Neptune® 33 In. x 22 In. Stainless Steel, Double Bowl Top mount Kitchen Sink or equal quality
- New range hood & relocate switch for ADA compliant. (Piilani Homes Eld)
- Replace/install new electrical light fixtures, switches, plugs, plates and covers.
- Counter Top: Belanger® Milano Countertop (Earth tone family color palette Available in-stock Lowes)

- Appliance (Refrigerator and stove): To be supplied and installed by HPHA.
Note: Contractor must allow enough space for a standard 30" refrigerator & stove

BATHROOM

- Replace/install new bathroom vanity **in all four (4) projects** (vanity was not called out in the PROJECT TYPE LIST" they must be replaced) with mirror, medicine cabinet, light fixtures, plugs, switches, plates covers, towel bar, toilet tissue, toilet/water closet & seat (elongated), grab bars for toilet (with blocking), sink, faucet, drain lines, flange, and water supply lines, with new angle valve with ¼" turn type including all associated components.
- **Only at Piilani Homes Elderly the Contractor must** provide/install a new 60" x 30", walk-in / 6" step-in shower pan, end drain, retro-fit, shower pan (non wheelchair access) with a 3 wall AmeriWall enclosure 60" W x 30" D x 71.25" H. , and all accessories as listed below. See attached.
A removable handheld shower head, hose, and chrome-plated slide bar, two 24" and one 36" stainless steel grab bars that will be mounted either vertical or horizontal, shower rod and shower curtain. Blocking will be required for items above.
- Vanity sink: American Standard Countertop Sink with 4 in. Faucet Spacing, White Finish, Model 0293.004.020 or equal quality.
- Bathroom vanity cabinet to coordinate with kitchen cabinet style:
Door style- **Traditional Face Frame** Shaker style
Pacific Alder is the wood Species
Cayenne is the referred finish color
- Counter Top: Belanger® Milano Countertop (Earth tone family color palette Available in-stock Lowes) **or 6223-58 Formica Gold Granite**

1.03 **REFERENCED STANDARDS**

- A. When the contract documents refer to published standards or references, the standards and references shall be considered to be part of the contract documents as if printed in full therein.

1.04 SECURITY SCREEN DOORS

- A. Provide/Install new security screen doors at all projects:**
18 gauge steel frame
Steel perforated mesh
Baked on powder coating (White)
"Jimmy resistant" double lock box
Pre-hung hinged jamb with four security hinges
Reversible for left or right hand opening

Note Contractor must apply additional rust inhibitor type paint over the existing white coating.

All screen doors will have 2 sets of keys keyed alike to the front entry door locksets.

Piilani Home Elderly: Calls out for black security screen doors, per this Addendum # 1 all security screen doors must be white in color.

END OF SECTION

EQUIPMENT



Shark Ultra Steam Blaster – Lavender

- Features a 50-minute cleaning time with an electronic control for maximum steam power
- Cleans bare floors, hard surfaces, hardwood floors and multiple surfaces
- Includes a steam pocket floor attachment, a 2-sided microfiber cover, a squeegee, steam diffuser, various nozzles and brushes, funnel and measuring cup
- 15L' cord
- Shark Steam Mop

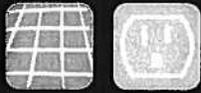
Duro Stripper[®]

#10-4954: 120 volt - 2000 watt - 17 amps - 26 lbs.

The most powerful manually operated floor stripper on the market. Unmatched in durable design, the *Duro Stripper* can tackle the most difficult jobs. This unit can remove all types of floor coverings from wood or concrete surfaces. Remove the handle and use as a hand-held floor stripper for more precise work in small spaces such as, cabinetry, stairs, and closets etc.

Features: Stand up or hand held operation, adjustable handle, exclusive foot operated on/off switch, spring loaded travel wheels, oscillating blade action with 8,500 strokes per minute. Comes with carrying case, 2 blades, tools and eye protection.





E83014-00



CREWMAN™ 20HD

20" Heavy Duty
Floor Machine



*Built to deliver high performance
results and years of reliable service.*

CREWMAN™ 20HD 20" Heavy Duty Floor Machine



Fully adjustable handle



Easy to use controls



Durable roto-mold construction

Crewman heavy duty floor machines offer high performance and top value. Built with heavy duty components, these machines provide rugged durability to handle demanding jobs with ease. A powerful 1.5 hp motor and steel gearbox create the power needed for all types of maintenance procedures including buffing, scrubbing, stripping and sanding.

#E83014-00 CREWMAN™ 20HD Technical Specifications

Cleaning path: 20"

Motor: 1.5 hp, dual capacitor

Gearbox: Triple planetary steel

Gear ratio: 10:1

Pad speed: 175 RPM

Pad driver: Tri-lock

Noise level: 59 dB at operator
57 dB at 10 feet

Volts: 110

Power cord: 50' 14/3 gauge safety colored with hospital approved plug

Cord strain relief: Yes

Handle: Fully adjustable

Handle grips: Anti-fatigue

Safety lockout switch: Yes

Wheel base: 12" for easy transport

Construction: Polyethylene deck

Transport wheels: (2) - 5" non-marking

Length: 25"

Width: 18"

Height: 50"

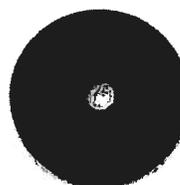
Weight: 90 lbs

Productivity: Bonnet: up to 1,000 sq.ft/hr.
Buff/scrub: up to 2,000 sq.ft/hr.
Strip: up to 750 sq.ft/hr.

Betco Product Recommendations:



For stripping use Betco Extreme® Ultra floor stripper



To enhance productivity use a Betco Ultra Strip Pad

Betco Warranty Express

Backed by an industry leading warranty, Betco equipment is built to provide years of reliable service. Betco Warranty Express is a comprehensive product support program that offers extensive 10/3/1* parts and labor coverage on all machines.

*For 10/3/1 coverage details view our entire warranty policy at betco.com.

Authorized Betco Distributor

888-GO BETCO
www.betco.com

BETCO.

The Cleaning Edge™

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1001 Brown Avenue
Toledo, Ohio 43607-0127
888-462-3826
email@betco.com
Item #83014-92

GR 3 – COMPLETION AND LIQUIDATED DAMAGES

3.01 COMPLETION TIME

- A. The entire project shall be completed in **two hundred ten (210) calendar days or less as** shown on the Proposal for the Base Bid and all selected alternatives. Work shall start in accordance with HPHA GENERAL CONDITIONS, Article 3.10 – NOTICE TO PROCEED.
- B. Any changes or revisions to materials or equipment that were ordered in advance of their installation and acceptance **without the HPHA approval** shall be the Contractor's responsibility.

3.02 LIQUIDATED DAMAGES (See HPHA GENERAL CONDITIONS, Article 7.26 – FAILURE TO COMPLETE WORK ON TIME)

- A. The amount of liquidated damages shall be **\$300.00 per calendar day**. The base bid contract period plus any adjustments or time extensions by change order shall establish the construction end date. Liquidated damages will be assessed for each calendar day after the construction end date until the project acceptance date.
- B. Liquidated damages will not stop when the project is substantially completed. When HPHA agrees the project is substantially complete, it will schedule a final inspection. After the final inspection, the Project Engineer may declare the project is ready for acceptance and set the project acceptance date upon which liquidated damages will cease.
- C. Should the project be accepted with an outstanding punch list or should closing documents be outstanding or missing, liquidated damages as stated in 3.02 E. and 3.02 F. will be assessed.
- D. Should the HPHA elect to accept individual units or groups thereof in advance of the project acceptance date, the amount of liquidated damages shall be reduced as follows:

The Liquidated damage amount will be divided by 115% of the number of units to determine the reduction for each accepted unit. The liquidated damage will be reduced up to one half by multiplying the number of accepted units by this unit reduction and deducting the result.

- E. Should the Contractor fail to complete the punch list within the contract or adjusted contract time, or by the contract acceptance date, the Contractor shall pay liquidated damages to HPHA in an amount equal to 10 percent of the original total liquidated damages per calendar day.
- F. Should the Contractor fail to submit closing documents required in the HPHA GENERAL CONDITIONS, Article 7.33 - FINAL SETTLEMENT OF

CONTRACT within the contract or adjusted contract time, or by the Contract Acceptance Date, the Contractor shall pay liquidated damage to HPHA in an amount equal to 5% percent of the original total liquidated damages per day.

END OF SECTION

TYPE: A



Product Specifications Report

Job Name:		Job Type:	
Comments:		Quantity:	
Product Number: 49215BLE-962		Dimensions:	
		Width: 24"	Extends: 4 1/4"
		Height: 4 1/2"	Wire: 6 1/2"
		Switch Type: N/A	
		Mounting Proc.: Other	
		Outlet Box: Mounted To Box	
Bulbs:		2 - Mini Bi-Pin T-5 14w max 120v - included	
Material List:		1 End Cap - Die Cast Zinc - Brushed Nickel	
Safety Listing:		cUL Listed for Damp Locations UL Listed for Damp Locations	
Instruction Sheets		French (F-006) English (HC-975)	
<p>49215BLE-962 - Two-Light Balmoral Fluorescent</p> <p>Collection: Balmoral</p> <p>Two Light Tubular Wall Fixture in Brushed Nickel Finish with White Acrylic Diffuser</p> <p>Back plate is two pieces</p> <p>UPC #: 785652215964 Product Type: Fluorescent Wall/Bath/Vanity</p> <p>Finish: Brushed Nickel (962)</p>			
Features:			
Energy Star Compliant	Fluorescent		
Mount H or V	Title 24		

Shade / Diffuser

Part	Material	Finish	Quantity	Item Number	Length	Width	Height	Diameter	Fitter Diameter	Shade Top Length	Shade Top Width	Shade Top Diameter
Diffuser	Acrylic	White Plastic	1					4				

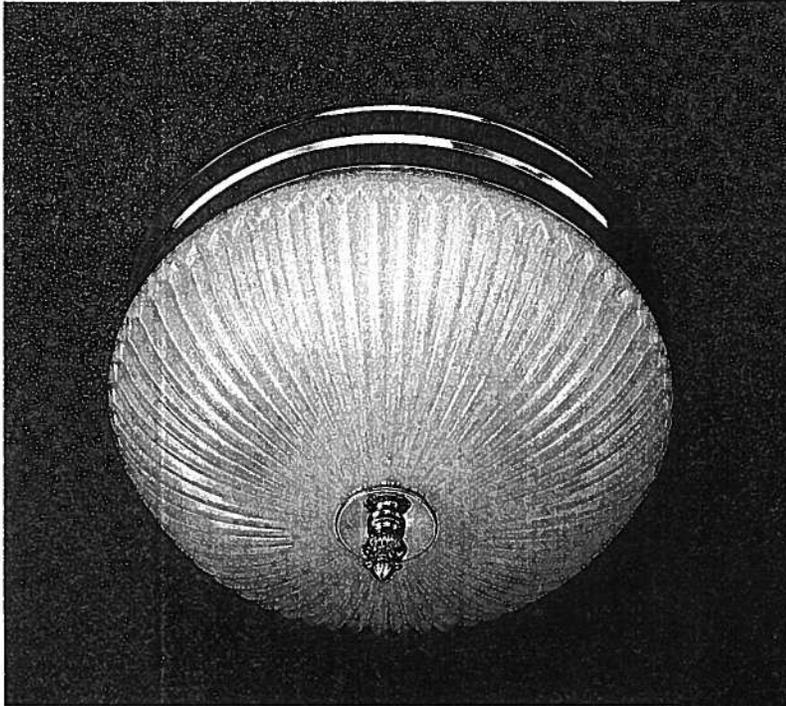
Backplate / Canopy

Type	Height/Length	Width	Depth	Diameter	Outlet Box Up	Outlet Box Down
Back Plate	1 3/4	8	1/4		2 1/2	2 1/2

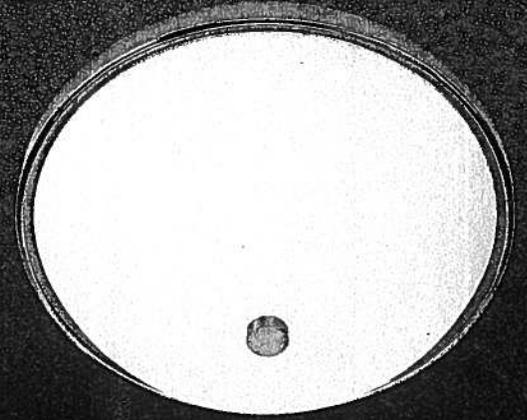
Shipping Information

Package Type	Quantity	UPC	Length	Width	Height	Cube	Weight	UPS Ship	Label
Individual	1	785652215964	26	6.5	6.25	0.611	4.8	Yes	19 E-6 IP
NJ Pallet	110		48	40	72	80	528	No	
NV Pallet	120		48	40	72	80	576	No	

AUGUSTA



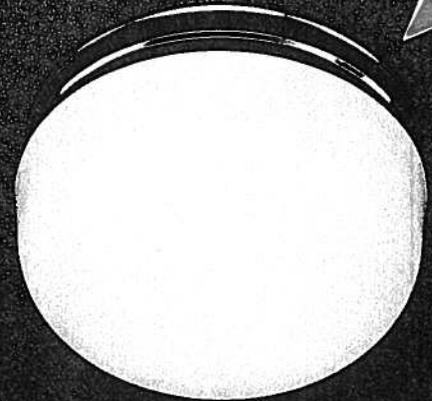
FAXON



IRWIN



SLEEPY HOLLOW

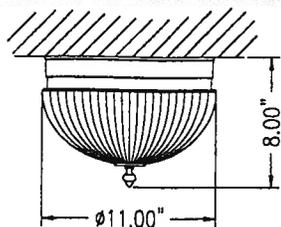


TYPE: B



33 Donald Drive, Fairfield, Ohio 45014 Ph: 513-858-6004 Fax: 513-858-6038
site: teronlight.com e-mail: sales@teronlight.com

AUGUSTA



- Polished Brass Finished Housing
- Frosted, Ribbed Glass Diffuser
- ETL Listed Damp Location
- Lamp Included



ORDERING INFORMATION

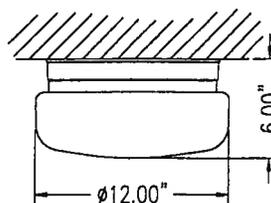
AA113	(1)13w PL ¹
AA213	(2)13w PL ¹
AA113E	(1)13w E
AA213E	(2)13w E
AA118QE	(1)18w Q
AA218QE	(2)18w Q
AA122C	(1)22w Circ ⁴
AA126QE	(1)26w Q

- 1 Magnetic Ballast
- 2 Electronic Only
- 4 120V Magnetic Ballast Only

277 - 277V Ballast
HPF - High Power Factor¹
TP - Tamper Resistant
DIM - Dimming Ballast²
FF - Flicker Free Lamp¹

All Painted Finishes
See Page F1

SLEEPY HOLLOW



- Polished Brass Finished Housing
- White Acrylic Diffuser
- ETL Listed Damp Location
- Lamp Included



ORDERING INFORMATION

SH113	(1)13w PL ¹
SH213	(2)13w PL ¹
SH113E	(1)13w E
SH213E	(2)13w E
SH118QE	(1)18w Q
SH218QE	(2)18w Q
SH122C	(1)22w Circ ⁴
SH126QE	(1)26w Q

- 1 Magnetic Ballast
- 2 Electronic Only
- 4 120V Magnetic Ballast Only

277 - 277V Ballast
HPF - High Power Factor¹
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DIM - Dimming Ballast²
FF - Flicker Free Lamp¹

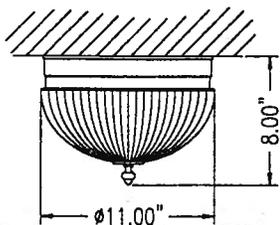
All Painted Finishes
See Page F1

White Finish

NOTE: With Pull-Chain on/off Switch

TYPE: B

IRWIN



- Polished Brass Finished Housing
- Clear, Ribbed Glass Diffuser
- ETL Listed Damp Location
- Lamp Included



ORDERING INFORMATION

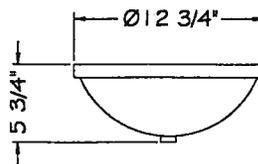
IN113	(1)13w PL ¹
IN213	(2)13w PL ¹
IN113E	(1)13w E
IN213E	(2)13w E
IN118QE	(1)18w Q
IN218QE	(2)18w Q
IN122C	(1)22w Cir ⁴
IN126QE	(1)26w Q

- 1 Magnetic Ballast
- 2 Electronic Only
- 4 120V Magnetic Ballast Only

277 - 277V Ballast
HPF - High Power Factor¹
TP - Tamper Resistant
DIM - Dimming Ballast²
FF - Flicker Free Lamp¹

All Painted Finishes
See Page F1

FAXON



- Brushed Nickel Finished Housing
- Brushed Nickel Finished Accent
- ETL Listed Damp Location
- Lamp Included



ORDERING INFORMATION

FN113	(1)13w PL ¹
FN213	(2)13w PL ¹
FN113E	(1)13w E
FN213E	(2)13w E
FN118QE	(1)18w Q
FN218QE	(2)18w Q
FN126QE	(1)26w Q
FN226QE	(2)26w Q

- 1 Magnetic Ballast
- 2 Electronic Only

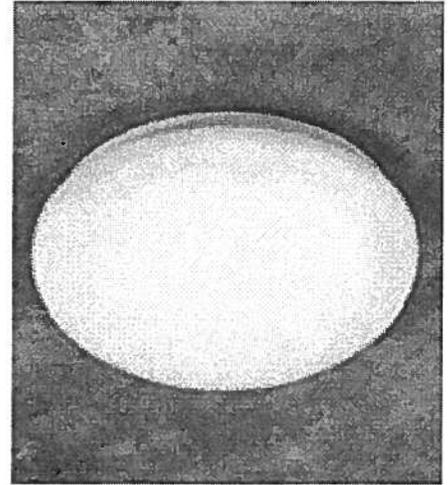
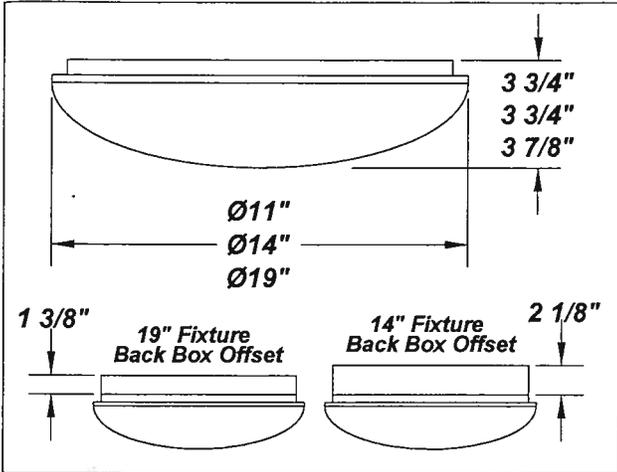
277 - 277V Ballast
HPF - High Power Factor¹
DIM - Dimming Ballast²
FF - Flicker Free Lamp¹

All Painted Finishes
See Page F1

- Remote Mount Battery
- 13w PL 13003
- 13w-42w Electronic 13005
- Tamper Screwdriver 85007

- Faxon Diffuser 3097160
- Augusta Diffuser 3723262
- Irwin Diffuser 37232
- Sleepy Hollow Diffuser 3010060

FAULTLESS



Specifications:

- * White Steel Mounting Pan
- * White Acrylic Diffuser
- * ETL Listed Wet Location
- * Lamp(s) Included
- * ADA Compliant
- * Ceiling or Wall Mount

TYPE: C

Product	Lamping	Product	Lamping	Product	Lamping
FS113	(1) 13w PL ¹	FS313	(3) 13w PL ¹	FS413	(4) 13w PL ¹
FS213	(2) 13w PL ¹	FS218QE **	(2) 18w QE	FS413QE	(4) 13w QE
FS113QE	(1) 13w QE	FS226QE **	(2) 26w QE	FS326QE	(3) 26w QE
FS213QE	(2) 13w QE	FS128DE	(1) 28-2D ⁶	FS172C	32/40w Circ ⁴
FS118QE	(1) 18w QE	FS132C	(1) 32w Circ ⁴		
FS122C	(1) 22w Circ ⁴	FS138DE	(1) 38-2D ⁶		
FS126QE	(1) 26w QE	FS154C	22/32w Circ ⁴		

Factory Installed Options:

277	277V Ballast ²
HPF	High Power Factor ¹
DIM	Dimming Ballast ²
FF	Flicker Free Lamp ¹
EB-BB *	Emergency Battery ³
ALP	Aluminum Pan
TP	Tamper Resistant
BB	Back Box / Collar
WPL	White Polycarbonate Lens (14" Only)

* Please Note: EB/BB Available in 14" Fixture Only

Finishes:

PB Polished Brass
All Painted Finishes

Field Installed Accessories

Field Installed Accessories	Part No:
Remote Mount Battery	
- 13w PL Magnetic	13003
- 13w - 32w Electronic	13005

Replacement Parts

Replacement Parts	Part No:
Faultless 11" White Acrylic Diffuser	3021160
Faultless 14" White Acrylic Diffuser	3021460
Faultless 19" White Acrylic Diffuser	3019960
Faultless 14" White Polycarb. Diffuser	3424860

Teron Lighting, Inc.
33 Donald Drive
Fairfield, OH 45014

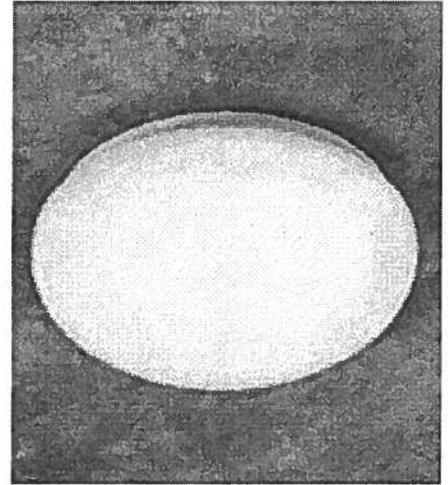
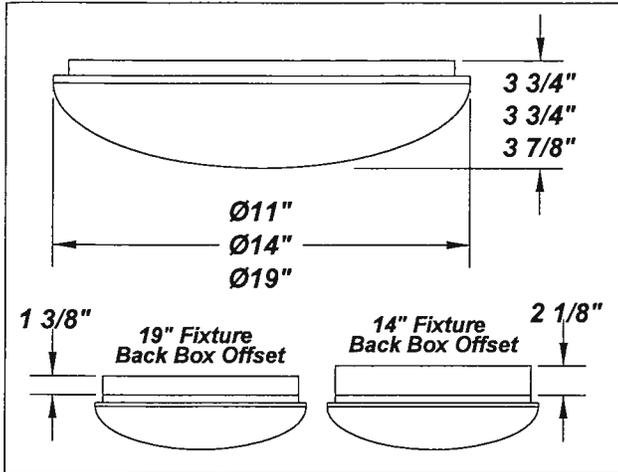
PH (513) 858-6004
FAX (513) 858-6038

E-mail sales@teronlight.com
Website www.teronlight.com

- ¹ Magnetic Ballast
- ² Electronic Only
- ³ Back Box Required
- ⁴ 120V Magnetic Ballast Only
- ⁶ Dimming Not Available



FAULTLESS



Specifications:

- * White Steel Mounting Pan
- * White Acrylic Diffuser
- * ETL Listed Wet Location
- * Lamp(s) Included
- * ADA Compliant
- * Ceiling or Wall Mount

TYPE: D

Product	Lamping	Product	Lamping	Product	Lamping
FS113	(1) 13w PL ¹	FS313	(3) 13w PL ¹	FS413	(4) 13w PL ¹
FS213	(2) 13w PL ¹	FS218QE **	(2) 18w QE	FS413QE	(4) 13w QE
FS113QE	(1) 13w QE	FS226QE **	(2) 26w QE	FS326QE	(3) 26w QE
FS213QE	(2) 13w QE	FS128DE	(1) 28-2D ⁶	FS172C	32/40w Circ ⁴
FS118QE	(1) 18w QE	FS132C	(1) 32w Circ ⁴		
FS122C	(1) 22w Circ ⁴	FS138DE	(1) 38-2D ⁶		
FS126QE	(1) 26w QE	FS154C	22/32w Circ ⁴		

Factory Installed Options:

277	277V Ballast ²
HPF	High Power Factor ¹
DIM	Dimming Ballast ²
FF	Flicker Free Lamp ¹
EB-BB *	Emergency Battery ³
ALP	Aluminum Pan
TP	Tamper Resistant
BB	Back Box / Collar
WPL	White Polycarbonate Lens (14" Only)

* Please Note: EB/BB Available in 14" Fixture Only

Finishes:

PB Polished Brass
All Painted Finishes

Field Installed Accessories

	Part No:
Remote Mount Battery	
- 13w PL Magnetic	13003
- 13w - 32w Electronic	13005

Replacement Parts

	Part No:
Faultless 11" White Acrylic Diffuser	3021160
Faultless 14" White Acrylic Diffuser	3021460
Faultless 19" White Acrylic Diffuser	3019960
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Website www.teronlight.com

- ¹ Magnetic Ballast
- ² Electronic Only
- ³ Back Box Required
- ⁴ 120V Magnetic Ballast Only
- ⁶ Dimming Not Available

