



**Oregon State
University**

**Construction Contracts
Administration, Procurement
Contracts & Materials
Management (PCMM)**
Oregon State University
644 SW 13th Ave.
Corvallis, Oregon 97333

**P 541-737-4261
F 541-737-5546
oregonstate.edu**

8/1/2018

Oregon State University
Construction Contract Administration
Food Innovation Center Lighting Replacement

ADDENDUM NO. 2

THIS ADDENDUM IS BEING ISSUED for clarification and/or revisions of the drawings and specifications as noted. This document is hereby made a part of the Contract Documents to the extent as though it was originally included herein.

ADDITIONAL REFERENCE DOCUMENTS:

Item 1 Cut Sheets for the lighting is attached herein for REFERENCE PURPOSE only.

QUESTIONS/CLARIFICATIONS:

Item 2 Q: Will there be a second walk through offered?

A: Yes, there will be a second NON-MANDATORY walkthrough offered for contractors who attended the prebid meeting. The second walk through meeting will be held Monday August 6, 2018 at 11:00AM. Bidders shall meet with the Owner's Representative in the lobby at the Food Innovation Center located at 1207 NW Naito Pkwy Portland, OR 97209.

Item 3 Q: Is there a level of quality that is expected for the fixtures and LED Lamps?

A: Yes, a minimum of 5-year warranty.

Item 4 Q: How will the bid be awarded?

A: Refer to Article 10.1, Acceptance or Rejection of Bids by Owner in the Instructions to Bidders.

END OF ADDENDUM NO. 2



North Coast Electric Company

625 N. Thompson • Portland, OR • 97227 Tel. (503) 281-8888 Fax (503) 335-9582

LIGHTING FIXTURE O&M's

for

"OREGON STATE UNIVERSITY"

FOOD INNOVATION CENTER

ARCHITECT: SRG PARTNERSHIP
ENGINEER: GRAHAM ENGINEERING
GENERAL: H.A. ANDERSON CONSTRUCTION CO.
ELECTRIC: THE OREGON ELECTRIC GROUP

SUBJECT: LIGHTING FIXTURE O&M's
DATE: 2-11-99

WE WOULD LIKE TO PROVIDE THE FOLLOWING FOR YOUR USE:

<u>TYPE</u>	<u>MANUFACTURER AND CATALOG NUMBER</u>	<u>LAMPS REQUIRED</u>
A1	LITHONIA # RP6AC-120V	1 - 100PAR/HIR/FL
A2	LITHONIA # D6ACT-120V	1 - 100PAR/HIR/FL
A3	LITHONIA # R6AC-120V	1 - 75PAR30/CAP/FL
B	METALUX # 2P3GAX-332S36I-MO-TEB81-277	3 - F032 / 730
B	METALUX # DF-24-W-U	
B1	METALUX # 2GCXF-WDF-232A12.125-TEB81-277V	2 - FO32 / 730
B2	METALUX # 2P3GAX-332S36I-MO-TEB82-277V	3 - FO32 / 730
C-4'	METALUX # DIM-232-MO-TEB81-D12-277V	2 - FO32 / 730
C-8'	METALUX # 8TDIM-232-MO-TEB81-D12-277V	4 - FO32 / 730
F1	METALUX # 2P3GX-2U6T8S44I-MO-TEB81-277V	2 - FBO32 / 830/ 6
F2-4'	FINELITE # S2-4-2T8-SC-91W-FA48-277V	2 - FO32 / 730
F2-32'	FINELITE # S2-32-2T8-SC-91W-FA48-277V	16 - FO32 / 730
F	METALUX # P3GAX-232S18I-MO-TEB81-277V	2 - FO32 / 730





North Coast Electric Company

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E	MANUFACTURER AND CATALOG NUMBER	LAMPS REQUIRED
F4	LITECONTROL # GD6314-T8-PARSS-CWM-ELB 277V-NARROW-DRYWALL	1 - FO32 / 730
F7-12'	PRUDENTIAL # CL5651-2-12'-CTE-MOT-M3 -YBM-277V	6 - FO32 / 730
F7-16'	PRUDENTIAL # CL5651-2-16'-CTE-MOT-M3 -YBM-277V	8 - FO32 / 730
F9	DELRAY # P242C-2E-120V-8775D-W/CM1 ✓	1 - CF42DTE / IN / 830
F9A	DELRAY # P132C-2E-120V-8775D-3'PENDANT	1 - CF32DTE / IN / 830
F15	SHAPER # 493-16-CF2/26-277-SSB-MW-SAND	2 - CF26DD / E / 830
F17	VISA # CP3382-3F50-277V	3 - FT50DL / 830
F20	PEERLESS # LW1-101200-024-20'-2-F-041	10 - FO32 / 730
F22	ELLIPTIPAR # F114-X240-E-02-X-00-277V ASL2-AVMXX	2 - FT40DL / 830
F22A	ELLIPTIPAR # F204-X240-T-02-00-277V ALS202XO	2 - FT40DL / 830
F25A	LITHONIA # AFV-32TRT-6AR-277V	1 - CF32DTE / IN / 830
G-2'	METALUX # SN117-MO-TEB81-SN-ASY3-277V	1 - FO17 / 730
G-8'	METALUX # 8TSN132-MO-TEB81-(2)SN-ASY3-277V	2 - FO32 / 730
H	ALUMALITE # SA-110H-277V-8775D	1 - MP100 / C / U / MED
H1	ALUMALITE # SB-126PL-277V-8775D	1 - CF26DTE / IN / 830
J-12'	COLUMBIA # SLA-12'-172HO-DR-W/SLBB- 172HO-277V	2 - F72T12CW / HO
K	ZED # Z24-175H-5-277V-1-P104A-14-B104-SY	1 - M175 / U
K1	BEGA # B8337-BLACK-277V-150W-MH-453	1 - MP150 / C / U / MED
L	SHAPER # 604-24-CF2/13-277V-SC	2 - CF13DS / 827





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TYPE	MANUFACTURER AND CATALOG NUMBER	LAMPS REQUIRED
N	LITHONIA # LGF2/13DTT-7RW-T73-277V	2 - CF13DD / 827
P	HYDREL # 9100-AB-100MH-277-FL34-DLA91	1 - CDM100 / U / M
R	GUTH # SND12-100MH-2-277V	1 - MP100 / U / MED
S	WINONA # 4810-36-BAL/BST-F-MOD-DIM-277V	3 - FO25 / 730
T	LITHONIA # R6BC-120V	1 - 75PAR30 / CAP / FL
T1	HALO # H7463T-7270C-120V	1 - Q50MR16CNFL25
T2	HALO # H7463T-7270C-120V-L120	1 - Q50MR16CNFL25
T3	HALO # H7463T-7270C-120V-L123	1 - 71MR16CNFL25
T4	HALO # H7463T-7270C-120V-L125	1 - 71MR16CNFL25
U	P & S # 272WH / MCGILL # 1433	1 - 100A19 / IF
X1	LITHONIA # LES-1-R-277V	RED LEDS
X2	LITHONIA # LES-2-R-277V	RED LEDS
1	LUTRON # N-2000WH	NONE REQUIRED
2	LUTRON # GRX-2504-120V	NONE REQUIRED
3	LUTRON # GRX-3104-120V	NONE REQUIRED
4	WATTSTOPPER # A277-E-P	NONE REQUIRED
5	WATTSTOPPER # CI-200	NONE REQUIRED
6	WATTSTOPPER # WS120/277-W	NONE REQUIRED

PLEASE FEEL FREE TO CALL ME IF YOU HAVE ANY QUESTIONS, OR COMMENTS REGARDING THESE LIGHTING FIXTURE SUBMITTALS.

RESPECTFULLY YOURS,

**MICHELE COOK
NORTH COAST ELECTRIC
PROJECT MANAGER**



FEATURES

Die-cast aluminum lampholder housing. Designed for effective heat dissipation and positive light center positioning. Medium base porcelain socket with nickel-plated screw shell.

- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Specular clear Alzak* cone finishing trim. Minimum flange matches cone finish. White painted flange optional.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.
- Thermally-activated insulation detector.
- 16-gauge galvanized steel mounting/plaster frame with friction support springs to retain finishing trim. 7/8" plaster flange accommodates 4" ceiling thickness.
- Aluminum upper housing.
- Fixtures are UL listed for thru-branch wiring, recessed mounting and damp locations. CSA certification for shipment to Canada.

*Alzak is a registered trademark of ALCOA.

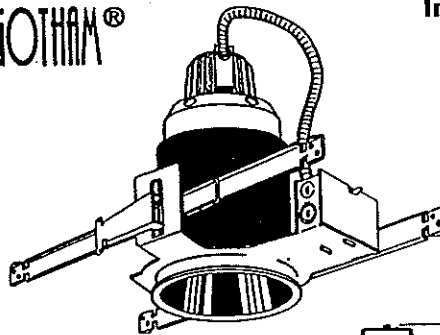
Type

Catalog number

A1

RP6AC-120

GOTHAM®

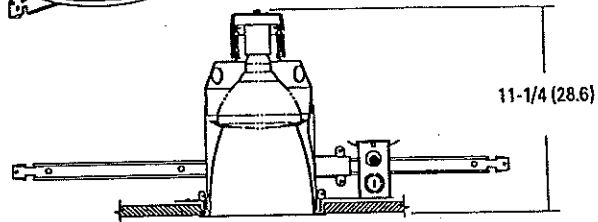


Incandescent Downlights

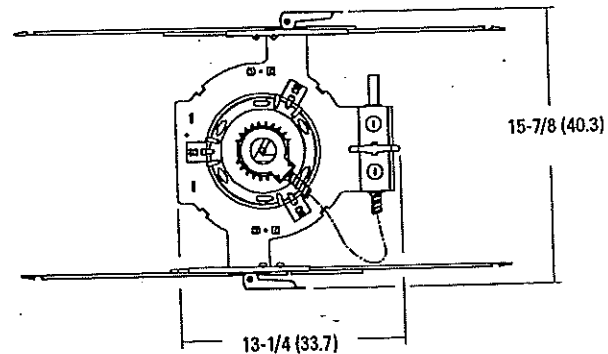
6" RP

Open Cone

PAR Lamp



Aperture: 5-7/8 (14.9)
Ceiling opening: 6-7/8 (17.5)
Overlap trim: 7-1/4 (18.4)

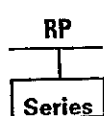


All dimensions are inches (centimeters)

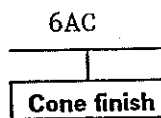
ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

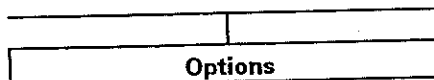
Example: **RP 6AC**



RP



6AC Clear
6BC Black
6CC Champagne gold
6GC Gold



SDT 277V stepdown transformer (277V to 120V).
SSC Provides compatibility with Lithonia Reloc System 820. System 820 can be installed less this option with connectors provided by others.
TRW White painted flange.

Accessories

Order as separate catalog numbers.
SC6 Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SC610D.

Notes:

1. Maximum wattage: 150W PAR38 or PAR38 (Cool Beam) lamp; Q250W PAR38 lamp.

FEATURES

- Rolled steel housing finished in black polyester paint, mounted to die-formed pan with die-cast aluminum frame. Maximum 7/8" ceiling thickness.
- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Medium base porcelain socket with nickel-plated screw shell.
- Lamp mounting bracket rotates 355° and tilts 45° with positive-locking capability.
- Galvanized steel junction box with thermally-activated insulation detector, bottom-hinged access covers and spring latches. One 1/2" knockout and three combination 1/2"-3/4" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.
- Specular Alzak* tapered cut cone optically designed for low brightness at high aiming angles of 15°-45°, while shielding direct view into fixture. For 0°-15° aiming angles, order optional straight cut cones. Minimum flange matches cone finish. White painted flange optional.
- Fixtures are UL listed for thru-branch wiring, recessed mounting and damp locations. CSA certification for shipment to Canada.

*Alzak is a registered trademark of ALCOA.

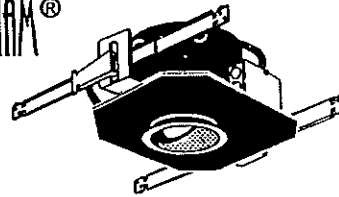
Type

A2

Catalog number

D6ACT-120

GOTHAM®

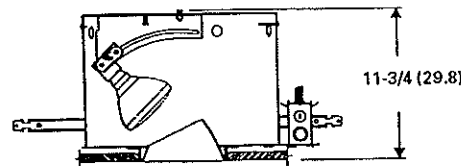


Incandescent Downlights

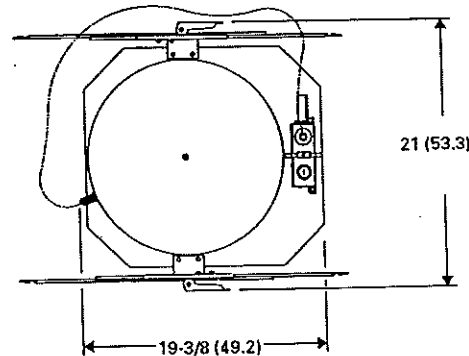
6" D

Adjustable Accent

Directional
PAR38 Lamp



Aperture: 6-5/16 (16.0)
Ceiling opening: 6-7/8 (17.5)
Overlap trim: 7-3/8 (18.7)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Example: D 6ACT

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

D	6ACT	T	
Series	Cone finish	Cone type	Options
D	6AC Clear 6BC Black 6CC Champagne gold 6GC Gold 6PC Pewter 6MB Black baffle (not available with tapered cut cone)	T Tapered cut cone (blank) Straight cut cone, for angles 0°-15°	TRW White painted flange. (Standard on 6MB.) SDT 277V stepdown transformer (277V to 120V.) Add 4" to width of fixture. SDT347 347V stepdown transformer (347V to 120V.) Add 4" to width of fixture. SSC Provides compatibility with Lithonia Reloc System 820. System 820 can be installed less this option with connectors provided by others.

Notes:

1. Maximum wattage: 150W PAR38 lamp; Q250W PAR38 lamp.

FEATURES

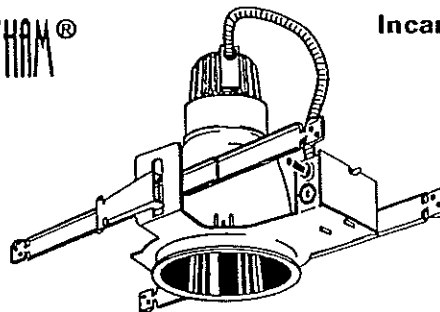
- Die-cast aluminum lampholder housing. Designed for effective heat dissipation and positive light center positioning. Medium base porcelain socket with nickel-plated screw shell.
- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Specular clear Alzak* cone finishing trim. Minimum flange matches cone finish. White painted flange optional.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.
- Thermally-activated insulation detector.
- 16-gauge galvanized steel mounting/plaster frame with friction support springs to retain finishing trim. Maximum 7/8" ceiling thickness.
- Aluminum upper housing.
- Fixtures are UL listed for thru-branch wiring, recessed mounting and damp locations. CSA certification for shipment to Canada.

*Alzak is a registered trademark of ALCOA.

Type
A3

Catalog number
R6AC-120

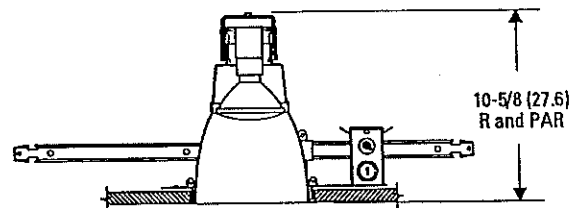
GOTHAM®



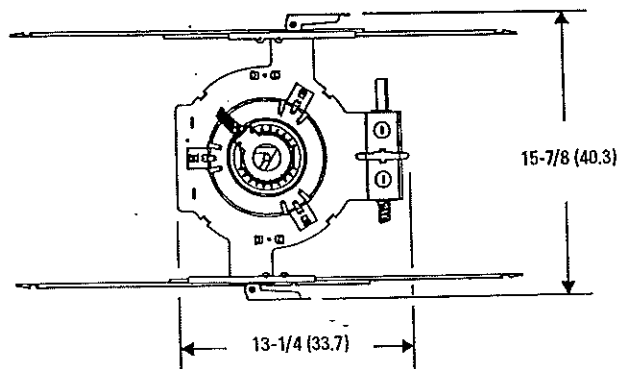
Incandescent Downlights

6" R

Open Cone
R or PAR Lamp



Aperture: 6-1/4 (15.9)
Ceiling opening: 6-7/8 (17.5)
Overlap trim: 7-1/2 (19.1)



All dimensions are inches (centimeters)

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Example: **R 6AC**

R	6AC
Series	Cone finish
R	6AC Clear 6BC Black 6CC Champagne gold 6GC Gold

Options
SDT 277V step-down transformer (277V to 120V). SSC Provides compatibility with Lithonia Reloc System 820. System 820 can be installed less this option with connectors provided by others. TRW White painted flange.

Accessories	
Order as separate catalog numbers.	
SC6	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SC6 10D.
CTA6	Ceiling thickness adaptor. (Extends mounting frame to accommodate ceiling thickness up to 2".)

Notes:

1. Maximum wattage: 75W PAR30 (Long Neck) lamp; 100W R30 lamp.

TYPE:

CATALOG#:

DESCRIPTION

The Paralux III Series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a 3" precision cell louver into a nominal 5-1/2" deep para-contoured fixture housing. This combination creates a total high performance parabolic optical assembly for optimum performance. The series is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

APPLICATION

The high performance luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The Paralux III series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

A...Construction

Nominal 5-1/2" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Contoured ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. End plates have labor saving integral Grid-Lock feature for safety and convenience. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.*

B...Electrical

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.**

C...Finish

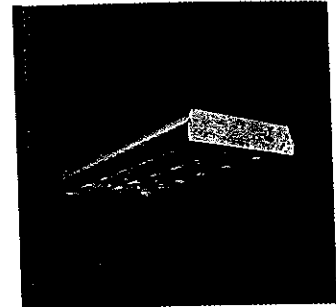
Painted after fabrication. Electrostatically applied baked white polyester powder enamel finish. Minimum reflectance 90%. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled at an elevated temperature.

D...Hinging/Latching

Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

E...Louver

Die formed of semi-specular, vertical grain, aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by polyethylene cover.

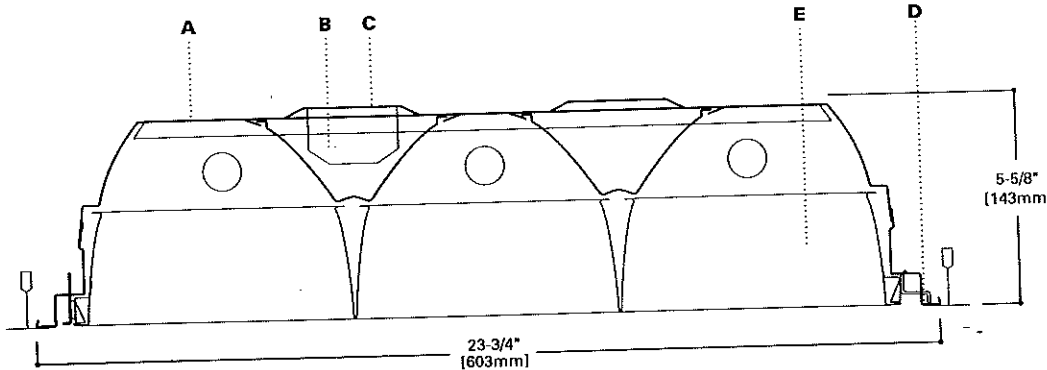


2P3GAX340
332

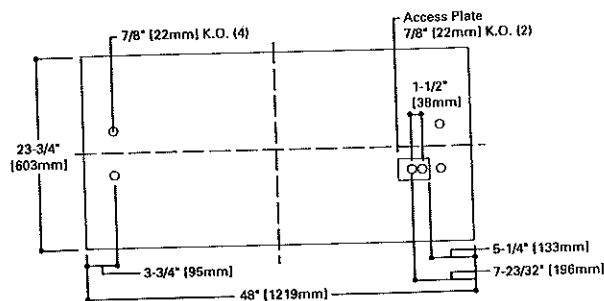
18 Cell

2' X 4' PARABOLIC
3 LAMP
SEMI-SPECULAR LOUVER

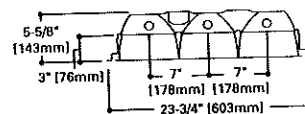
Paralux III
Recessed Air Supply
Troffer



MOUNTING DATA



LAMP CONFIGURATIONS



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
340 (110)
332 (91)

ES Ballast & STD Lamps
340 (136)
332 (108)

Luminaire Efficacy Rating
LER = FP-67
Catalog Number: 2P3GAX-332

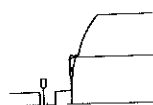
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.58

*Convertibility applies to housing only. Appropriate shielding media assemblies must be utilized.

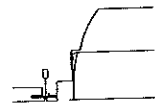
**Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

CEILING COMPATIBILITY

G
Grid/Lay-in
Standard

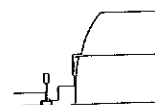


T
Concealed T

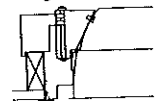


Optional "TK" Trim Kit

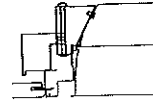
T
Slot Grid



F
Flange Trim
With Supporting
Swing Gates



MZ
Modular Trim
With Supporting
Swing Gates



**Ceiling
Type**

Exposed Grid
Concealed T
Slot Grid
Flange
Concealed Spline
Metal Pan

(Verify compatibility/ consult factory.)

**Trim
Type**

G
G or T
G or T
F
MZ
MZ

COOPER LIGHTING

TYPE B

DESCRIPTION

The GC Series features a nominal 4-1/2" deep para-contoured fixture housing, high reflectivity and optimum lamp to lens spacing. The series produces total uniformity of light in the luminous area and is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

APPLICATION

The specification luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The GC Series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

A... Construction

Nominal 4-1/2" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Deep "V" ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. End plates have integral Grid-Lock feature for safety and convenience.

B... Electrical

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.**

C... Finish

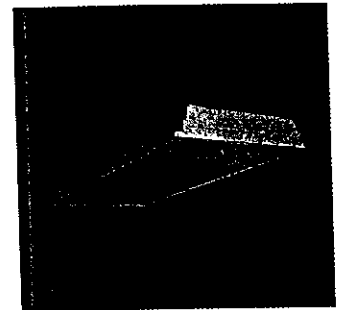
Painted after fabrication. Electrostatically applied baked white polyester enamel finish. Minimum reflectance 90%. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled at an elevated temperature.

D... Hinging/Latching

Positive cam action steel latches with baked white enamel finish. Safety-lock T-hinges allow hinging and latching either side.

E... Frame/Shielding

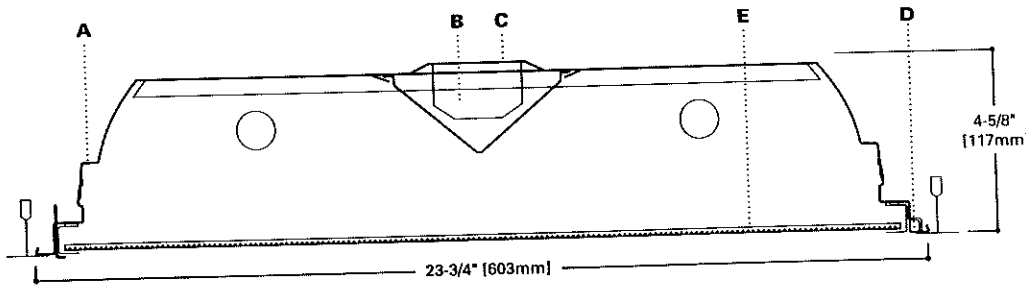
Die formed, heavy gauge, flat steel door with reinforced mitered corners and baked white enamel finish. Positive light seals. Light stabilized 100% virgin acrylic prismatic shielding. Standard #12 pattern. Optional shielding available.



2GC240
232
440
432

2' X 4' TROFFER
2 OR 4 LAMPS

Specification Recessed
Static Troffer



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
240 (72)
232 (61)
440 (144)
432 (122)

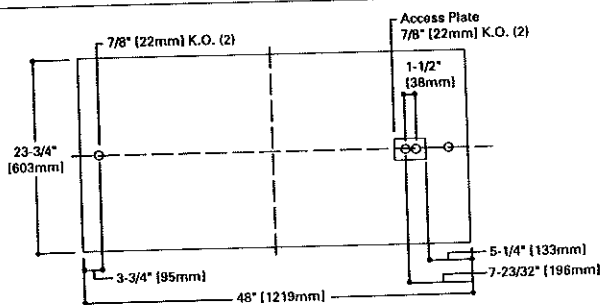
ES Ballast & STD Lamps

240 (86)
232 (71)
440 (172)
432 (142)

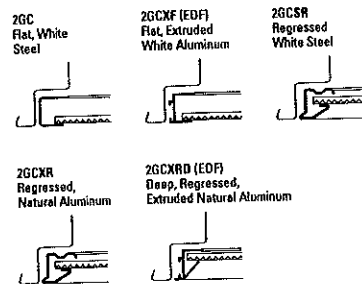
Luminaire Efficacy Rating
LER = FL-75
Catalog Number: 2GC-232A

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.20

MOUNTING DATA



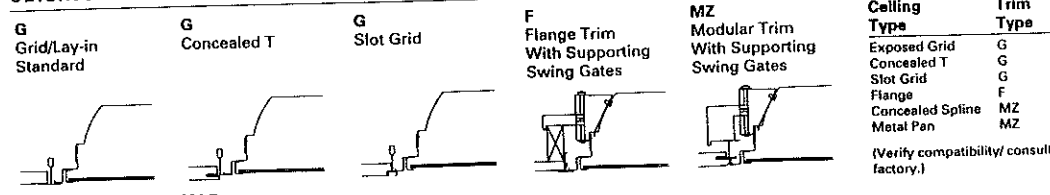
DOOR FRAMES



LAMP CONFIGURATIONS



CEILING COMPATIBILITY



*Standard G (Grid) Type Fixtures can be field converted by adding trim kits. See Compatibility Section or Consult Factory.

**Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

DESCRIPTION

The Paralux III Series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a 3" precision cell louver into a nominal 5-1/2" deep para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Contoured ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KO's for continuous row wiring. End plates have labor saving integral Grid-Lock feature for safety and convenience. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.*

APPLICATION

The high performance luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The Paralux III series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

A...Construction

Nominal 5-1/2" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Contoured ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KO's for continuous row wiring. End plates have labor saving integral Grid-Lock feature for safety and convenience. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.*

B...Electrical

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.**

C...Finish

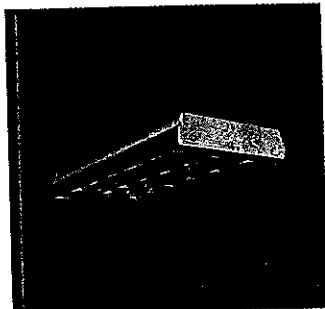
Painted after fabrication. Electrostatically applied baked white polyester powder enamel finish. Minimum reflectance 90%. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. ConveyORIZED application and baking timing accurately controlled at an elevated temperature.

D...Hinging/Latching

Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

E...Louver

Die formed of semi-specular, vertical grain, aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by polyethylene cover.

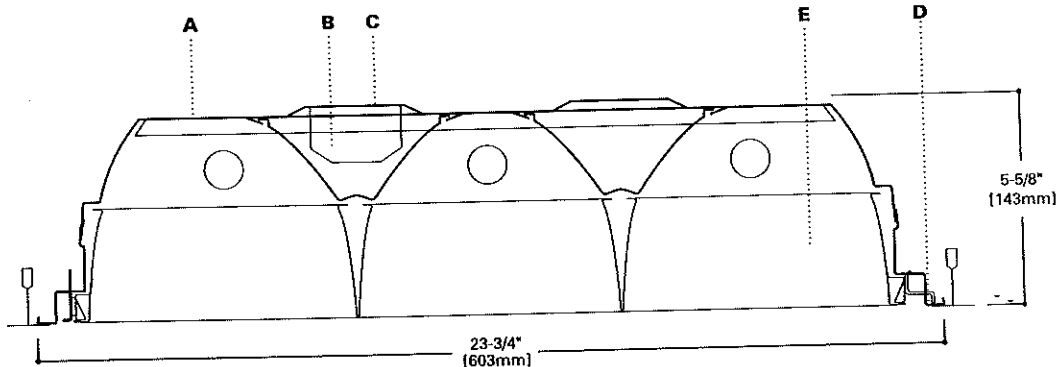


**2P3GAX340
332**

18 Cell

**2' X 4' PARABOLIC
3 LAMP
SEMI-SPECULAR ALUMINUM**

Paralux III
Recessed Air Supply
Troffer



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
340 (110)
332 (91)

ES Ballast & STD Lamps
340 (136)
332 (108)

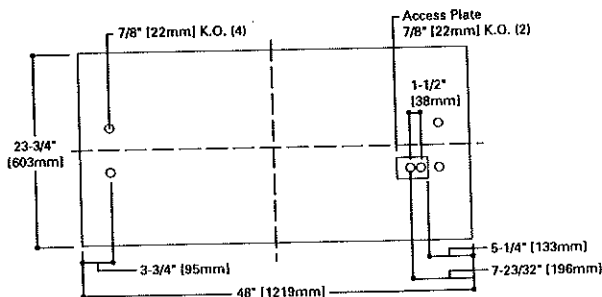
Luminaire Efficacy Rating
LER = FP-67
Catalog Number: 2P3GAX-332

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.58

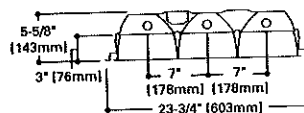
*Convertibility applies to housing only. Appropriate shielding media assemblies must be utilized.

**Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

MOUNTING DATA

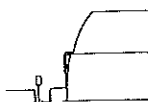


LAMP CONFIGURATIONS

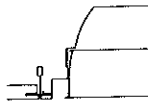


CEILING COMPATIBILITY

G
Grid/Lay-in
Standard

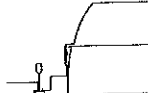


T
Concealed T

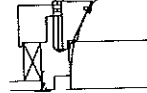


Optional "TK" Trim Kit

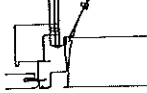
T
Slot Grid



F
Flange Trim
With Supporting
Swing Gates



MZ
Modular Trim
With Supporting
Swing Gates



**Ceiling
Type**

Exposed Grid
Concealed T
Slot Grid
Flange
Concealed Spline
Metal Pan

**Trim
Type**

G
G or T
G or T
F
MZ
MZ

(Verify compatibility/ consult factory.)

DESCRIPTION

The DIM Series is an energy efficient family of industrials that feature premium performance and durability. The industrial series incorporates heavy duty, embossed, reflectors that precisely direct and effectively control light. The versatile DIM Series can be installed using various mounting methods and numerous options and accessories are available.

APPLICATION

The DIM Series can be utilized in simple task and area lighting to the most demanding industrial applications.

SPECIFICATION FEATURES

A... Construction

Channel is code gauge prime cold rolled steel. Die formed with deep V-grooves for tong hanger. Die formed channel connector assures straight rows and continuity of ground through set screws. Lampholder mounting brackets are easily inserted with snap-in action.

B... Electrical

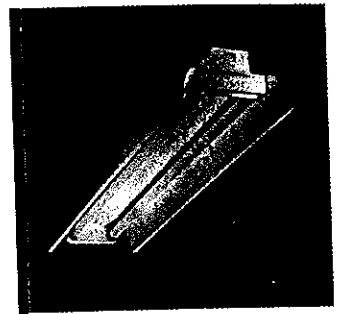
Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Metal clad lampholders are spring loaded for turret safety. UL listed, CSA certified and IBEW labeled.*

C... Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

D... Reflectors

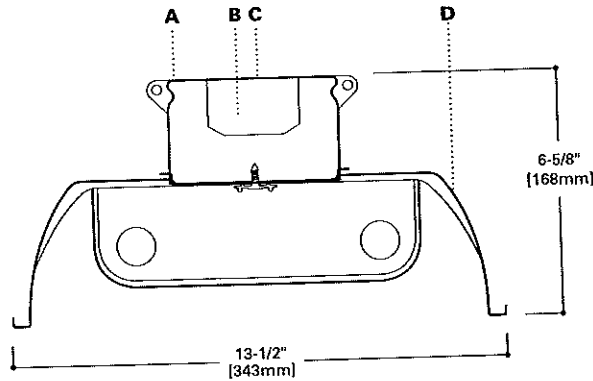
Die formed prime steel, code gauge. Deep draw full width ribs formed with one press stroke. Side flanges lend strength with upward turn. Easily cleaned. Baked white enamel 13-1/2" width. Four foot sections. Reflectors secured by positive retaining screw. Reflector aligners provided. Standard with 6% uplight (DIM). Closed top reflector (DCIM). Optional industrial fixtures are available incorporating silver technology enhancements. (SilverLining) Consult Factory.



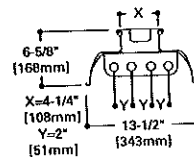
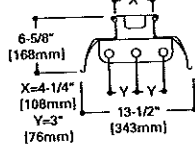
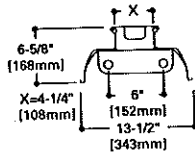
DIM240
232
340
332
440
432

4' OR 8' INDUSTRIAL
2, 3 OR 4 LAMP

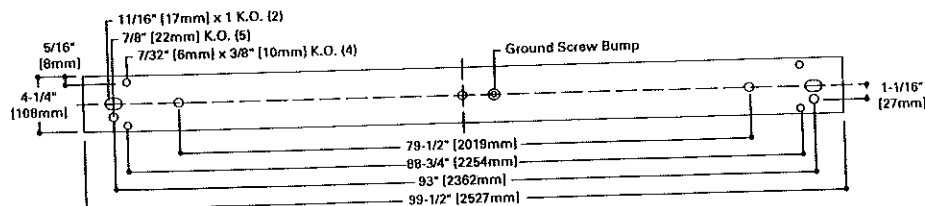
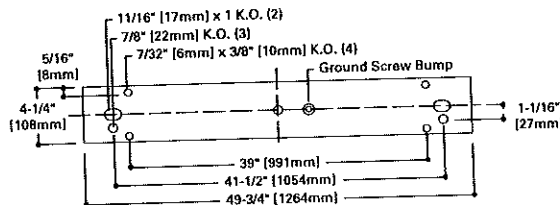
Heavy Duty Industrial



LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
240 (72)
232 (61)
340 (110)
332 (91)
440 (144)
432 (122)

ES Ballast & STD Lamps
240 (86)
232 (71)
340 (136)
332 (108)
440 (172)
432 (142)

Luminaire Efficacy Rating
LER = FI-78
Catalog Number: DIM-232

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.08

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

DESCRIPTION

The DIM Series is an energy efficient family of industrials that feature premium performance and durability. The industrial series incorporates heavy duty, embossed, reflectors that precisely direct and effectively control light. The versatile DIM Series can be installed using various mounting methods and numerous options and accessories are available.

APPLICATION

The DIM Series can be utilized in simple task and area lighting to the most demanding industrial applications.

SPECIFICATION FEATURES

A... Construction

Channel is code gauge prime cold rolled steel. Die formed with deep V-grooves for tong hanger. Die formed channel connector assures straight rows and continuity of ground through set screws. Lampholder mounting brackets are easily inserted with snap-in action.

B... Electrical

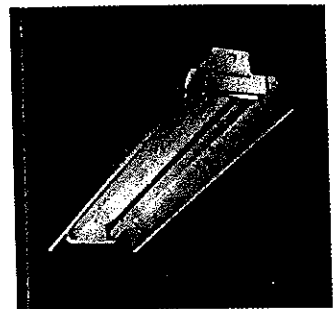
Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Metal clad lampholders are spring loaded for turret safety. UL listed, CSA certified and IBEW labeled.*

C... Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

D... Reflectors

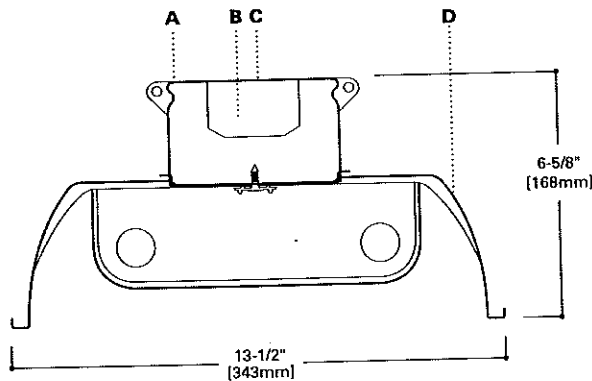
Die formed prime steel, code gauge. Deep draw full width ribs formed with one press stroke. Side flanges lend strength with upward turn. Easily cleaned. Baked white enamel 13-1/2" width. Four foot sections. Reflectors secured by positive retaining screw. Reflector aligners provided. Standard with 6% uplight (DIM). Closed top reflector (DCIM). Optional industrial fixtures are available incorporating silver technology enhancements. (SilverLining) Consult Factory.



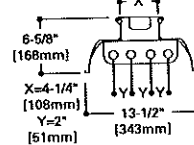
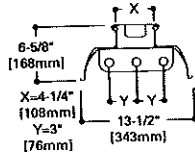
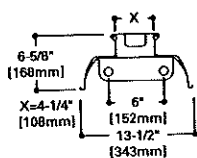
DIM240
 232
 340
 332
 440
 432

4' OR 8' INDUSTRIAL
 2, 3 OR 4 LAMP

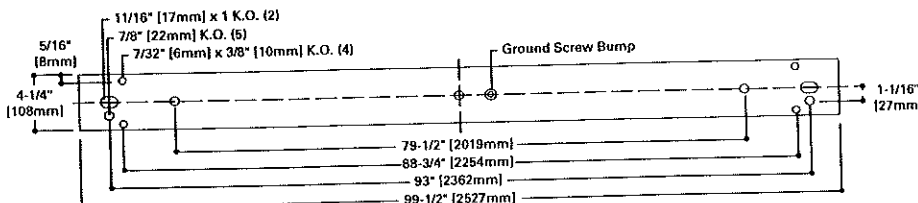
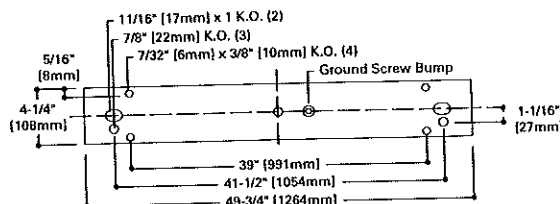
Heavy Duty Industrial



LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps

240 (72)
232 (61)
340 (110)
332 (91)
440 (144)
432 (122)

ES Ballast & STD Lamps

240 (86)
232 (71)
340 (136)
332 (108)
440 (172)
432 (142)

Luminaire Efficacy Rating
LER = FI-78
 Catalog Number: DIM-232

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.08

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

DESCRIPTION

The Paralux III Series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a 3" precision cell louver into a nominal 5-1/2" deep para-contoured fixture housing. This combination creates a total high performance parabolic optical assembly for optimum performance. The series is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

APPLICATION

The high performance luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The Paralux III series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

A...Construction

Nominal 5-1/2" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Contoured ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. End plates have integral Grid-Lock feature for safety and convenience. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.*

B...Electrical

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.**

C...Finish

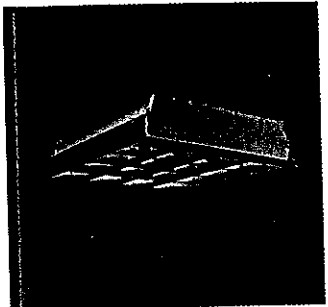
Painted after fabrication. Electrostatically applied baked white polyester powder enamel finish. Minimum reflectance 90%. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled at an elevated temperature.

D...Hinging/Latching

Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

E...Louver

Die formed of semi-specular, vertical grain, aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by polyethylene cover.

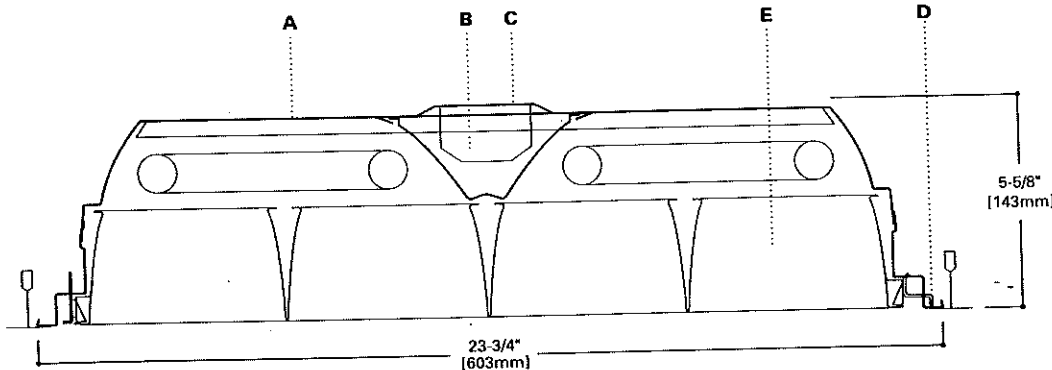


**2P3GAX2U6
2U6T8**

16 Cell

**2' X 2' PARABOLIC
2 U-LAMP
SEMI-SPECULAR LOUVER**

Paralux III
Recessed Air Supply
Troffer



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
2U6 (72)
2U6T8 (61)

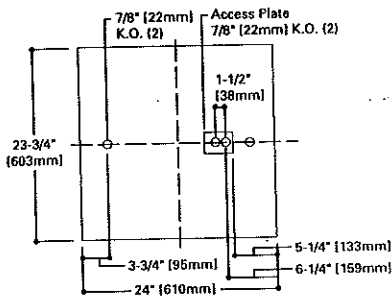
ES Ballast & STD Lamps
2U6 (86)
2U6T8 (71)

Luminaire Efficacy Rating
LER = FP-50
Catalog Number: 2P3GAX-2U6T8

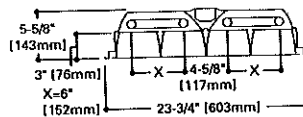
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.90

*Convertibility applies to housing only. Appropriate shielding media assemblies must be utilized.
**Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY

G
Grid/Lay-in
Standard

T
Concealed T

T
Slot Grid

F
Flange Trim
With Supporting
Swing Gates

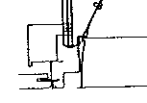
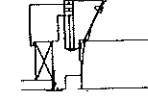
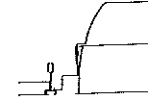
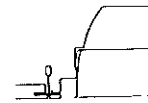
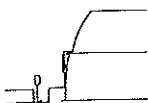
MZ
Modular Trim
With Supporting
Swing Gates

**Ceiling
Type**

**Trim
Type**

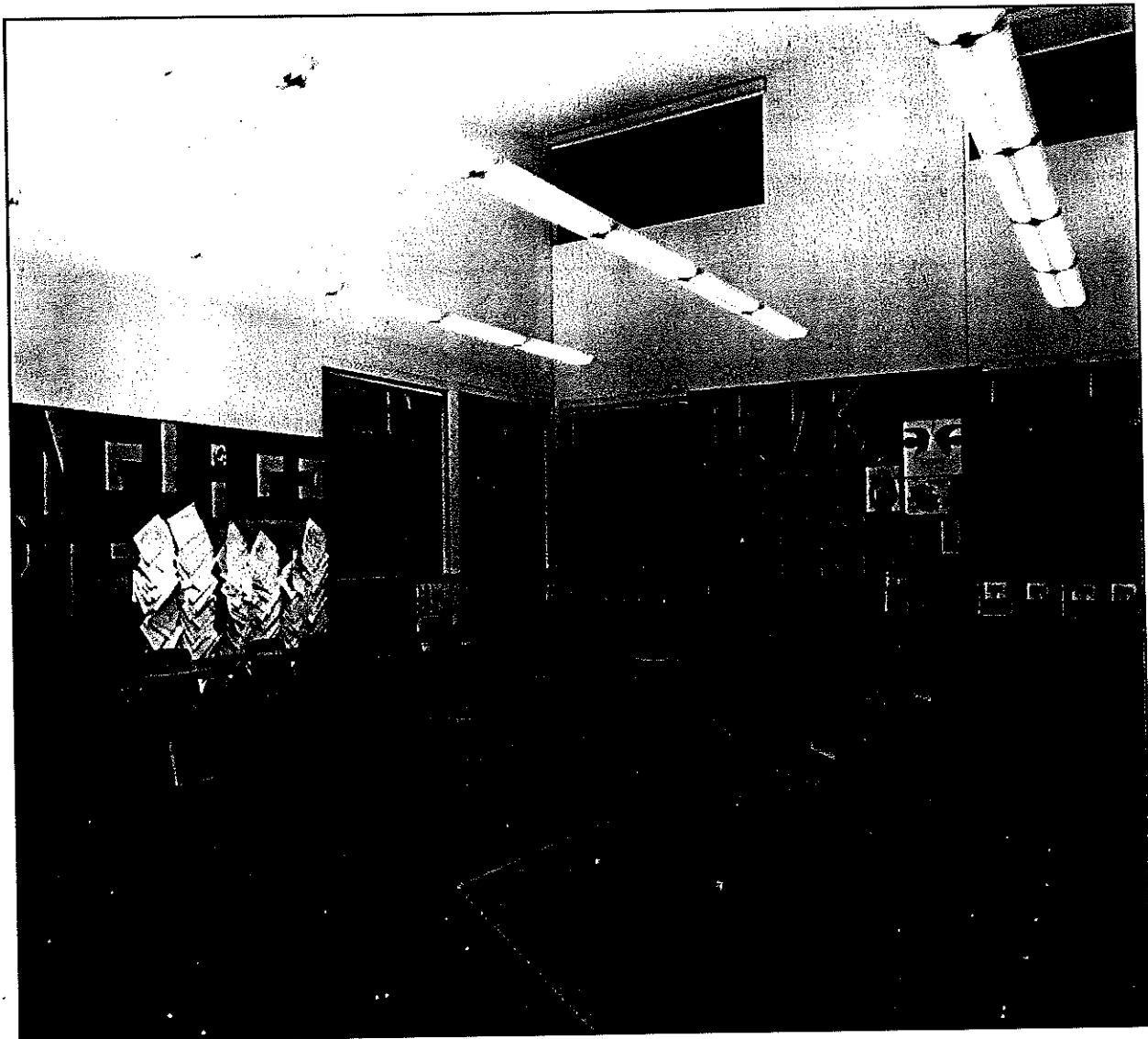
Exposed Grid G
Concealed T G or T
Slot Grid G or T
Flange F
Concealed Spline MZ
Metal Pan MZ

(Verify compatibility/consult factory.)



Brightness Rediscovered

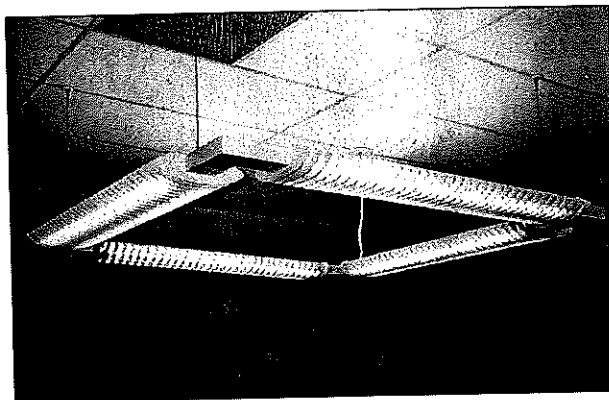
*Brightness - the key to spaces that feel well lighted.
Bright ceilings. Bright walls. With direct lighting
for efficiency and task lighting. A classic
luminaire concept, rediscovered for
the era of energy efficiency.*



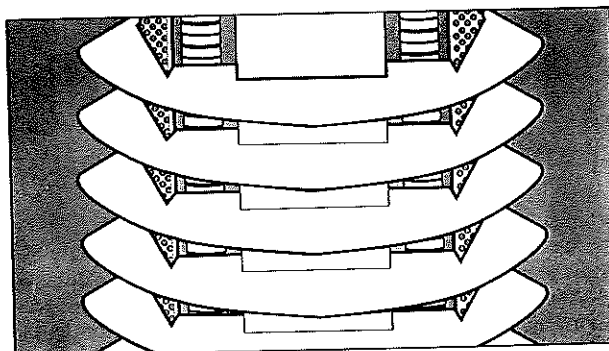
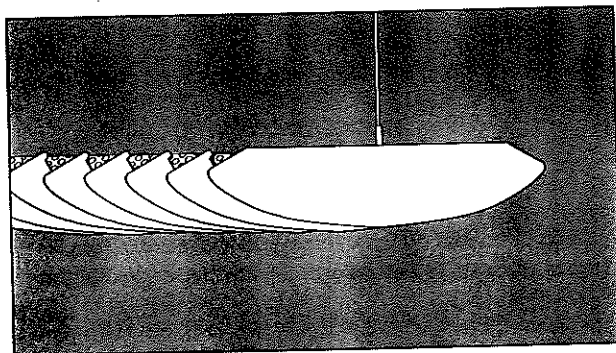
Better Lighting For a Better Work Place

FINELITE

SERIES 2 - Technical Sheet



FINELITE SERIES 2 was designed specifically with public spaces in mind: schools, retail stores, specialty boutiques, open areas intended for employee gatherings. This fresh contemporary design illuminates ceiling walls and merchandise, using brightness to draw in traffic.



SERIES 2 REFLECTOR SYSTEM

Combines uplight, downlight, and wall wash lighting to light a space, reducing the need for any specialty lighting, like track spots. This fixture can produce in excess of 50 foot candles maintained at approximately 1 watt per square foot.

BAFFLE DETAIL

Durable plastic blades on the baffle resist bending, chipping, cracking, and discoloration over time. Blades are spaced 1 1/2" apart and attach to a perforated white reflector.

PHOTOMETRIC PERFORMANCE: S2-4'-2T8-277V-18"-78

Coefficients of Utilization - Zonal Cavity Method									
RCC RW	80			70			50		
	70	50	30	70	50	30	50	30	30
0	83	83	83	75	75	75	60	60	60
1	75	72	69	68	65	62	52	50	50
2	69	63	58	62	57	53	46	43	43
3	63	56	50	57	50	46	41	37	37
4	58	49	43	52	45	40	36	33	33
5	53	44	38	48	40	35	33	29	29
6	49	40	33	44	36	31	29	25	25
7	45	36	30	41	33	27	27	23	23
8	42	32	27	38	30	24	24	21	21
9	39	30	24	35	27	22	22	19	19
10	36	27	22	33	25	20	21	17	17

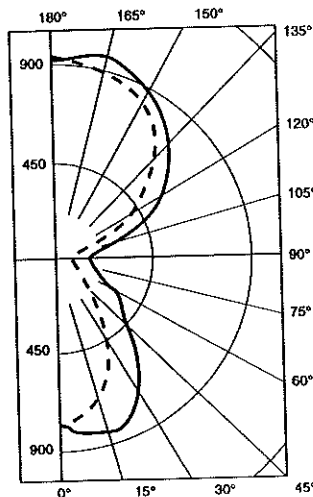
Floor Cavity Refl. - .20
ITL Test # ITL40617

ITL boulder

LEGEND:

0-deg. - - - - -
90-deg. - - - - -

Efficiency 79.8%

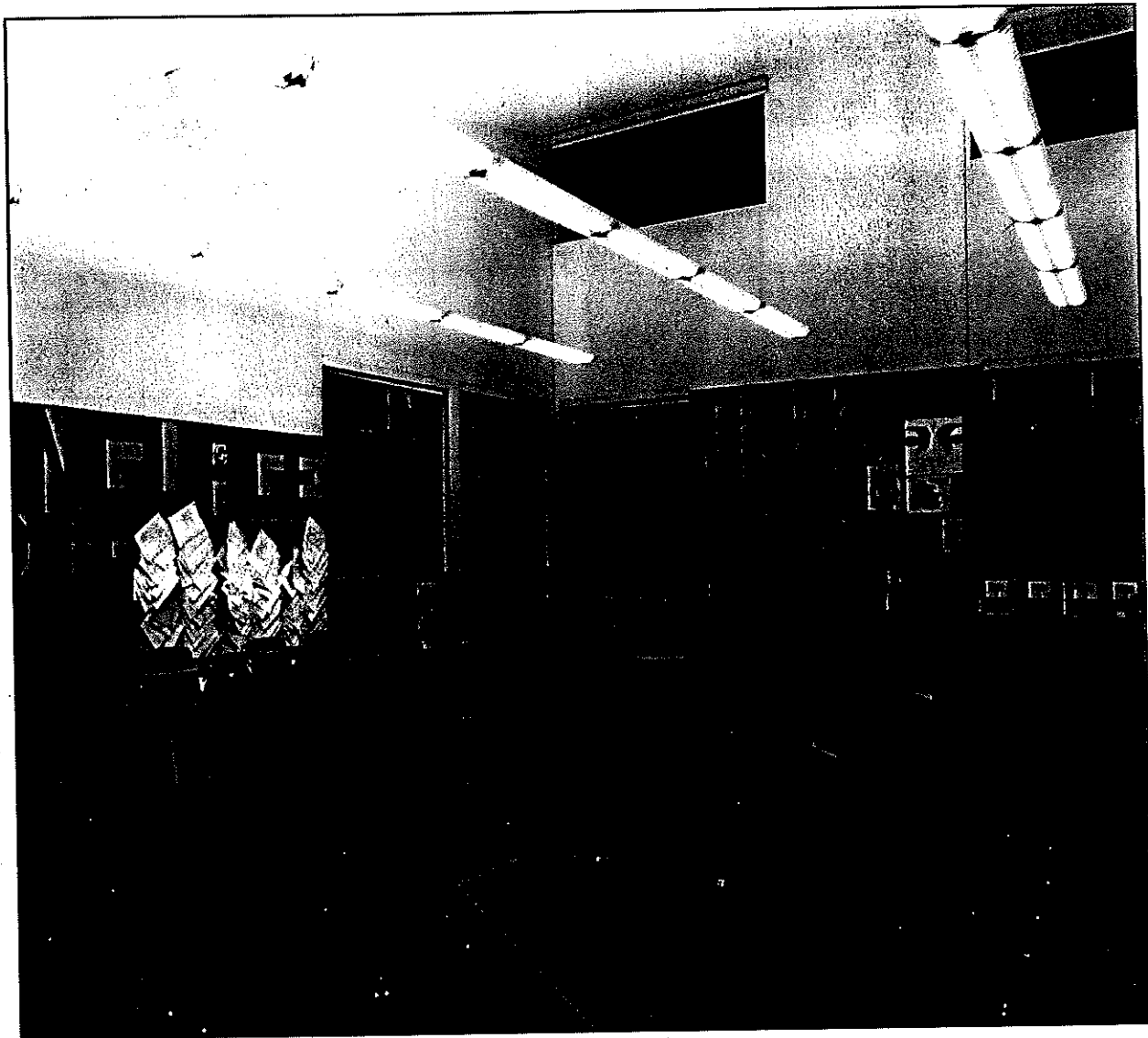


FINELITE SERIES 2

- 45% UPLIGHT**
creates a bright spacious appearance
- 20% UPPER WALL LIGHT**
balances room illumination
- 5% CONTROLLED BRIGHTNESS**
creates texture, but minimizes irritating glare
- 30% DOWNLIGHT**
creates ample light for general tasks and merchandise

Brightness Rediscovered

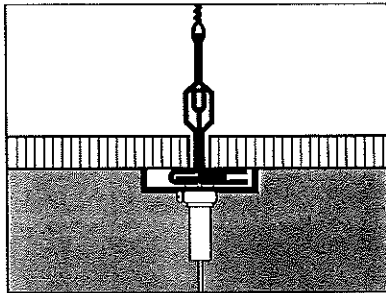
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Bright ceilings. Bright walls. With direct lighting
for efficiency and task lighting. A classic
luminaire concept, rediscovered for
the era of energy efficiency.*



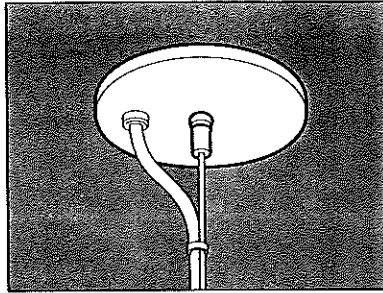
Better Lighting For a Better Work Place

FINELITE

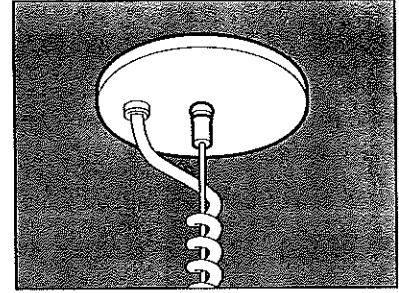
SERIES 2 - Technical Sheet



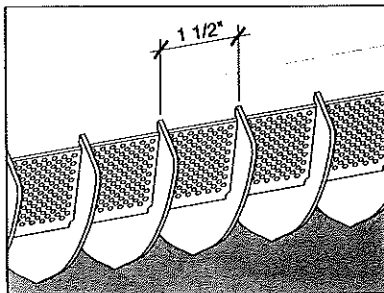
IDS MOUNTING HARDWARE



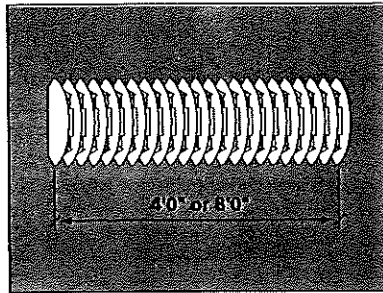
STANDARD FEED



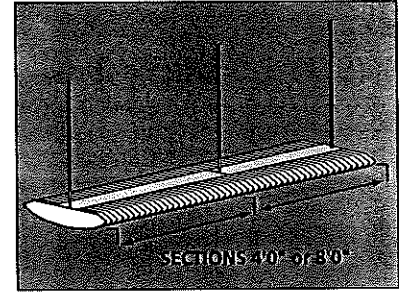
OPTIONAL COILED FEED



REFLECTOR DETAIL



INDIVIDUAL FIXTURES



MODULAR CONSTRUCTION

OPTIONS

ELECTRICAL:

- Coiled cord feeds.
- Additional feeds for emergency lighting circuits.
- Dimming ballasts (controls by others).

- Battery Back-up Systems.
- High output T8 ballasts (32 watt T8 ballasts with a ballast factor greater than 1 and 36 watt T8 systems).
- Low output T8 ballasts (32 watt T8 ballasts with a ballast factor less than .85).

SPECIFICATIONS

S2-32-2T8-SC-FA48-277_91W

CONSTRUCTION:

Die-formed and welded 20-gauge steel. Internal joiner splines ensure straight, easy to assemble rows. End caps are die-formed with no visible holes, fasteners, or knockouts. Support aircraft cables are stainless steel. Reflectors are perforated with a white reflective finish.

FINISHES:

Fixtures are prepared for finishing with a five-stage system including heated wash, ambient rinse, heated iron phosphate wash, cold rinse, and heated seal. The finish is an electrostatic, dry applied epoxy powder coat which is thermo-fused at over 100 degrees Celsius. No volatile organic compounds (VOCs) are emitted during finishing.

ELECTRICAL:

T8 electronic ballasts are standard (4-lamp ballasts used where possible). Fixtures and electrical components are U.L. listed and fixtures will bear the U.L. label.

ORDERING INFORMATION	(2)	32	48	2T8	SC	277	AC 12'
Quantity							
Finish							
Ballast							
Number of lamps per fixture (2T8 only)							
Number of sections (2T8 only)							
Voltage (20 Volt, 277 Volt)							
Mounting							
Support Aircraft Cable (AC 15, AC 16, AC 21, AC 27, AC 33)							
Fully Adjustable Aircraft Cable (AC 15, AC 16, AC 21, AC 27, AC 33)							

DESCRIPTION

The Paralux III Series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a 3" precision cell louver into a nominal 6-1/2" deep para-contoured fixture housing. This combination creates a total high performance parabolic optical assembly for optimum performance. The series is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

APPLICATION

The high performance luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The Paralux III series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

A... Construction

Nominal 6-1/2" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Ballast/wireway cover easily removed. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. End plates have labor saving integral Grid-Lock feature for safety and convenience. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.*

B... Electrical

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.**

C... Finish

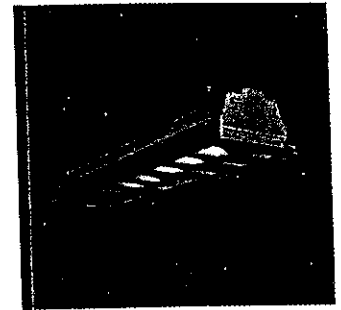
Painted after fabrication. Electrostatically applied baked white polyester powder enamel finish. Minimum reflectance 90%. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled at an elevated temperature.

D... Hinging/Latching

Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

E... Louver

Die formed of semi-specular, vertical grain, aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by polyethylene cover.



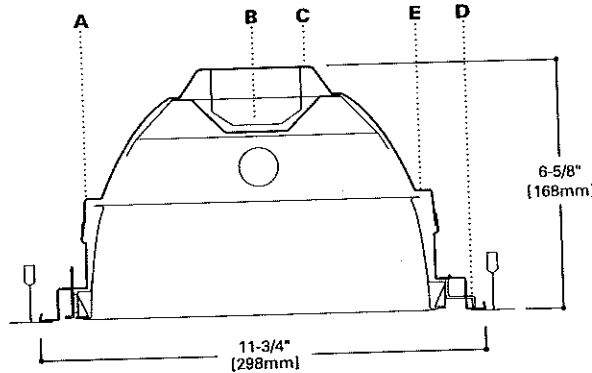
P3GAX140

132
240
232

8 Cell

1' X 4' PARABOLIC
1 LAMP
SEMI-SPECULAR LOUVER

Paralux III
Recessed Air Supply
Troffer

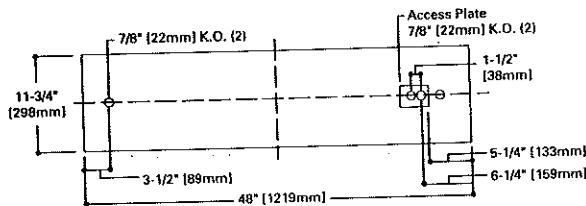


ENERGY DATA

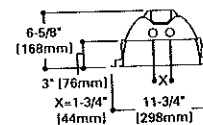
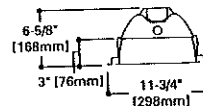
Input Watts:
EB Ballast & STD Lamps
140 (38)
132 (30)
240 (72)
232 (61)

ES Ballast & STD Lamps
140 (50)
132 (37)
240 (86)
232 (71)

MOUNTING DATA



LAMP CONFIGURATIONS



Luminaire Efficacy Rating
LER = FP-52
Catalog Number: P3GAX-132

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.62

*Convertibility applies to housing only. Appropriate shielding media assemblies must be utilized.

**Reference the lamp/ballast date in the Technical Section for specific lamp/ballast requirements.

CEILING COMPATIBILITY

G Grid/Lay-in Standard	T Concealed T	T Slot Grid	F Flange Trim With Supporting Swing Gates	MZ Modular Trim With Supporting Swing Gates	Ceiling Type	Trim Type
					Exposed Grid	G
					Concealed T	G or T
					Slot Grid	G or T
					Flange	F
					Concealed Spline	MZ
					Metal Pan	MZ
					(Verify compatibility/ consult factory.)	

WALL/WASH ASYMMETRIC RECESSED-DIRECT

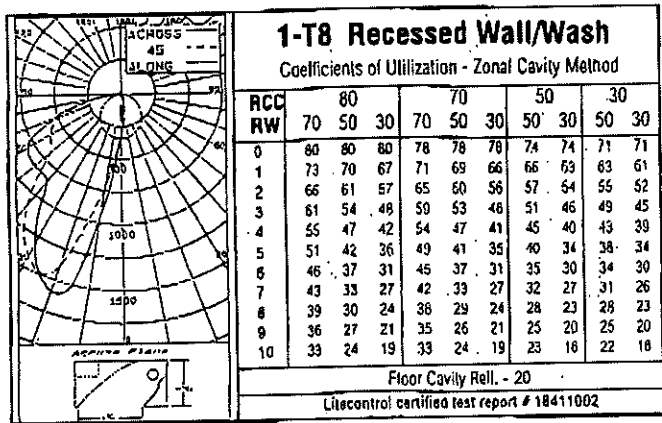


LITE CONTROL
100 HAWKS AVENUE
PO BOX 100
HANSON, MA 02341
617 294 0100 FAX 617 293 2849

OPTIONS

- DU** Dimming ballast, Universal Mfg. Corp. For RS T12 lamps; used with Hunt or Lutron controls.
- EF** Emergency fluorescent. Battery-powered ballast from Bodine Corp. Will operate one 4' T12, T8 or Biax lamp for 1 1/2 hours.
- ELB** Electronic ballast available; contact factory.
- F** Fuse, HLR/GLR-size determined by Litecontrol. HLR/GMF (slow blow) also available. Cannot be used with 277 volt DU option.
- RF** Radio frequency interference filter; Valmont 89G635, unless otherwise specified. Available for 4' fixture.
- T2M, T2S** Tandem ballasting. For energy considerations combine T2M (Master) with T2S (Slave):
T2M - Fixture would contain one 2-lamp ballast.
T2S - Fixture would not contain a ballast.

PHOTOMETRIC DATA



PATENT NUMBER D351,481

GD6314-T8-PARSS-CWM-ELB-277-Narrow distribution

SPECIFICATIONS

HOUSING Die-formed 20 GA C.R.S. is finished CWM, baked matte white enamel. Ends are notched to allow installation in exposed inverted T-bar grid ceiling (NEMA type GF) with main T-bars at 2'-0" O.C. or 4'-0" O.C. Exposed flanges along the sides of the fixture support the tiles. The housing top and ends are provided with 7/8" diameter knockouts (1/2" trade size). The side of the housing has an access opening covered by a plate containing two 7/8" diameter knockouts.

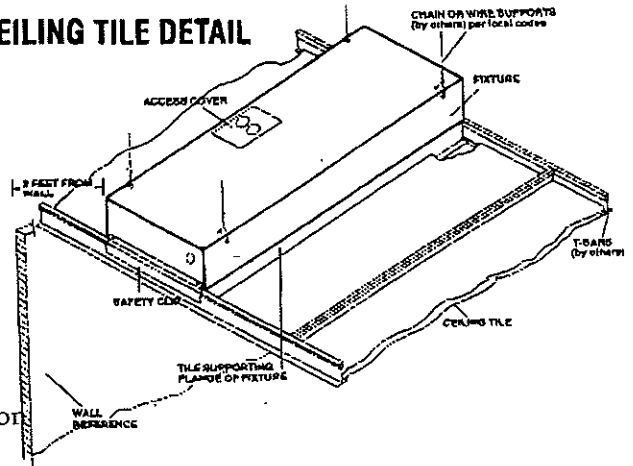
REFLECTOR. Die-formed .025" thick anodized aluminum Specular Low Glare.

BALLAST. 1-, 2-T8, 1-BX: Rapid start, high power factor, thermally protected Class P, Sound Rated A. 1-T12: Energy saving ballast. Advance Mark III, Valmont Val-Miser or Universal SLH, determined by Litecontrol.

MOUNTING. The fixture is intended for installation in standard exposed inverted T-bar grid ceiling (NEMA type GF) with main T-bars at 2'-0" or 4'-0" O.C. Exposed flanges along the sides of the fixture support the tiles. T-bar safety clips at the ends of the fixture shall be attached at the factory prior to shipping. 1/4" diameter holes have been provided, positioned at 90 degrees to each other, along the upper edges of the housing for installation of supplementary chain or wire support as may be required by local codes. Estimated installed weight of fixture is 20 lbs.

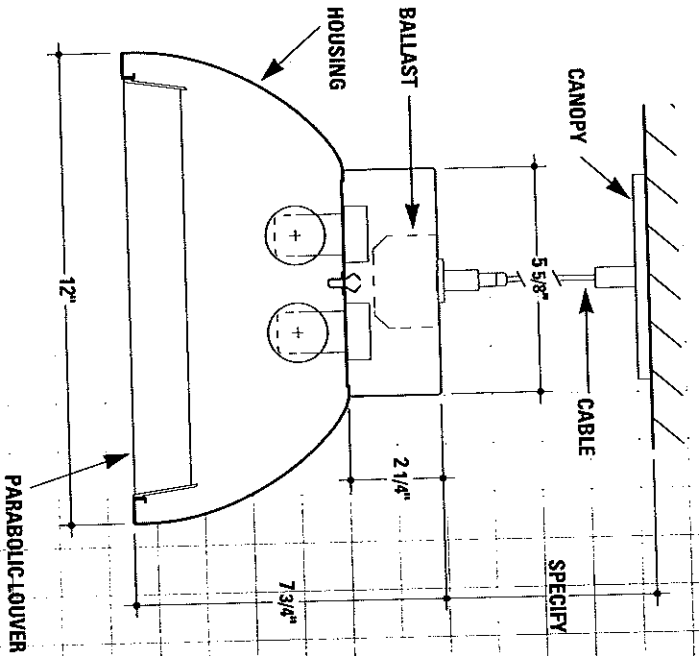
CERTIFICATION. Fixture and electrical components shall be U L Listed, and shall bear I.B.E.W., A.F. of L. label.

CEILING TILE DETAIL



SECTION	TYPE	MOUNTING	DISTRIBUTION	SERIES	LAMP COUNT	FIXTURE LENGTH	LAMP TYPE	FINISH	OPTIONS	VOLTS	LAMPS
	G	D	10	1	2	T8	CWM				1-F017
	G	D	10	1	4	T8	CWM				1-F032
	G	D	10	2	2	T8	CWM				2-F017
	G	D	10	2	4	T8	CWM				2-F032
	G	D	10	1	2	TS	CWM				1-F20
	G	D	10	1	4	RS	CWM				1-F40
	G	D	10	1	2	BX	CWM				1-BX40
	G	D	10	2	4	BX	CWM				2-BX40

G-D-1014RS-CWM-120 is a typical catalog number for a one-lamp, 4-foot long rapid start fixture, 120 volts. For **BX50**, substitute BX50 for BX. CWM (Matte White) finish is standard for all exposed trim and fixture body.



GENERAL SPECIFICATIONS:

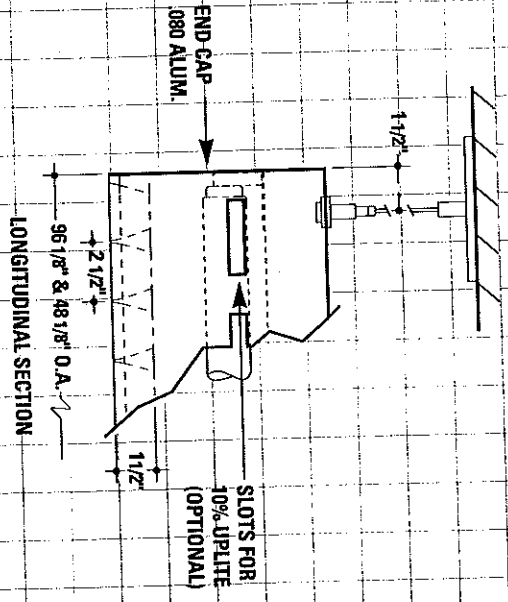
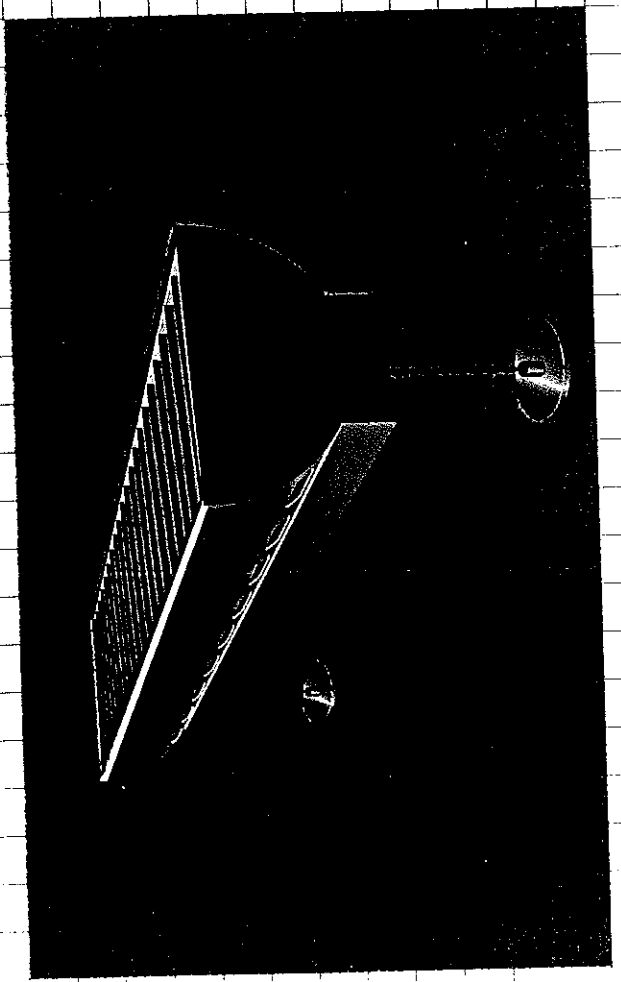
- HOUSING CONSTRUCTION: Die-formed #20 gauge cold rolled steel.
- END CAP: #18 gauge cold rolled steel (Matte Black Finish).
- LOUVER: Semi-Specular Parabolic Blade 1-1/2" high by 2-1/2" O.C.
- BALLAST COVER: Die-formed #20 gauge cold rolled steel.
- BALLAST: 32 watt Octic.
- LAMP: F32 watt Octic T-8 (by others).
- HOUSING FINISH: Baked White Enamel.
- Optional .050 Aluminum with Commercial Clear Anodized Finish.
- LABELS: UL, IBEW.

CTE-MOT=Motorola electronic ballast
M3=cable mount

NOMINAL LENGTH (FEET)	LAMP TYPE	CATALOG NUMBER (WITH ELECTRONIC BALLAST)
4	T-8 T-12	CL-5651-2-04CTE CL-5651-2-04RSE
8	T-8 T-12	CL-5651-2-08XCTE/M CL-5651-2-08RSETW

*E" denotes Electronic Ballast.

CL5651-2-12'-CTE-MOT-M3-M-277



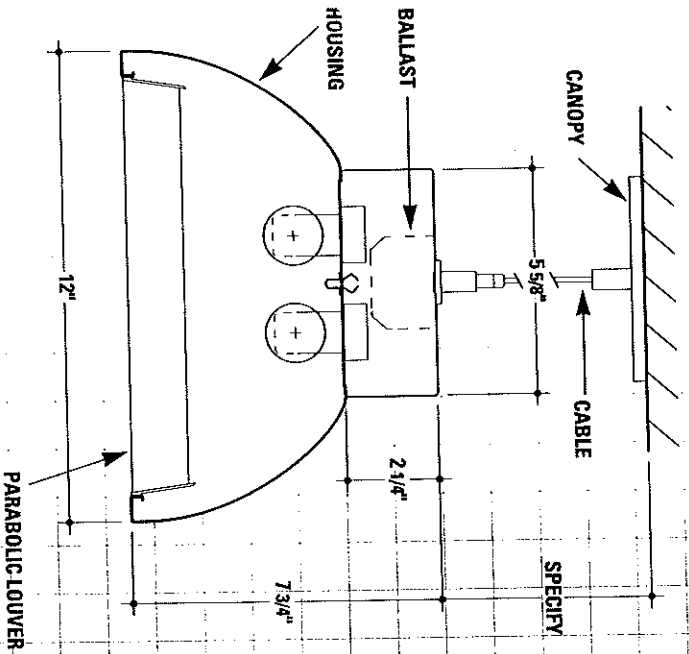
**PRUDENTIAL LIGHTING
CUSTOM LUMINAIRE**

1774 E. 21st St.,
LOS ANGELES, CA 90058
213.746.0360 FAX: 213.746.8838

DRAWING NUMBER

CL-5651

TYPE F7-12'



GENERAL SPECIFICATIONS:

- HOUSING CONSTRUCTION: Die-formed #20 gauge cold rolled steel.
- END CAP: #18 gauge cold rolled steel (Matte Black Finish).
- LOUVER: Semi-Specular Parabolic Blade 1-1/2" high by 2-1/2" O.C.
- BALLAST COVER: Die-formed #20 gauge cold rolled steel.
- BALLAST: 32 watt Octic. CTE-MOT=Motorola electronic ballast
- LAMP: F32 watt Octic T-8 (by others).
- HOUSING FINISH: Baked White Enamel.
- Optional .050 Aluminum with Commercial Clear Anodized Finish.
- LABELS: UL, IBEW.

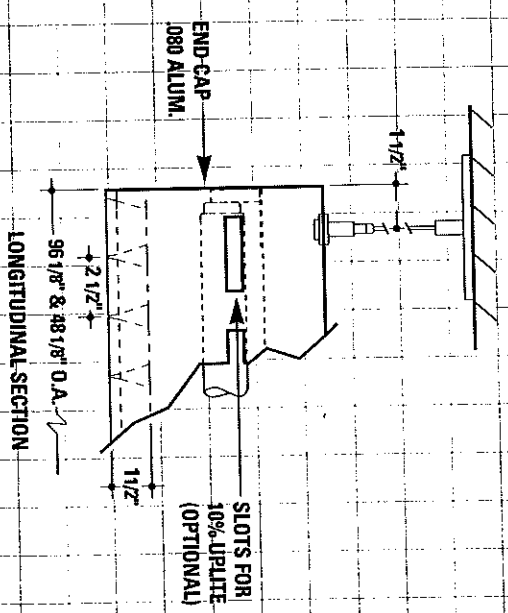
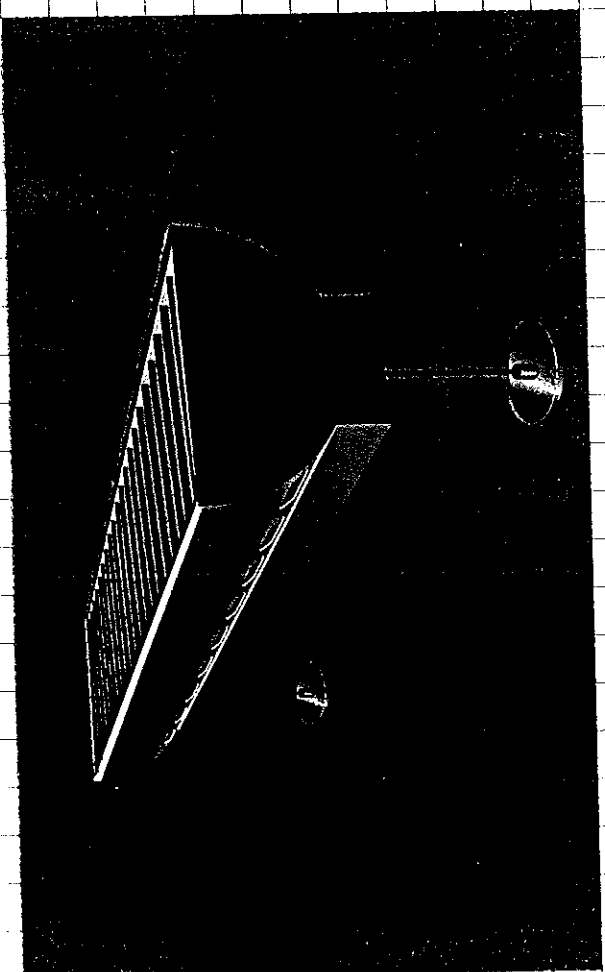
M3=cable mount

NOMINAL LENGTH (FEET)	LAMP TYPE	CATALOG NUMBER (WITH ELECTRONIC BALLAST)
4	T-8 T-12	CL-5651-2-04CTE CL-5651-2-04RSE
8	T-8 T-12	CL-5651-2-08XCTETW CL-5651-2-08RSETW

"E" denotes Electronic Ballast

551-2-16'-CTE-MOT-M3-YBM-277

4-94



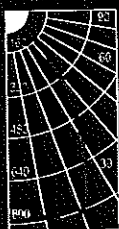
**PRUDENTIAL LIGHTING
CUSTOM LUMINAIRE**

1774 E. 21st St.,
LOS ANGELES, CA 90058
213.746.0360 FAX: 213.746.8838

DRAWING NUMBER

CL-5651

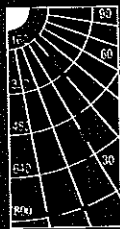
TYPE F7-16'



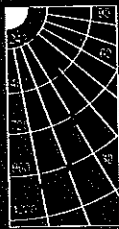
37 watt triple



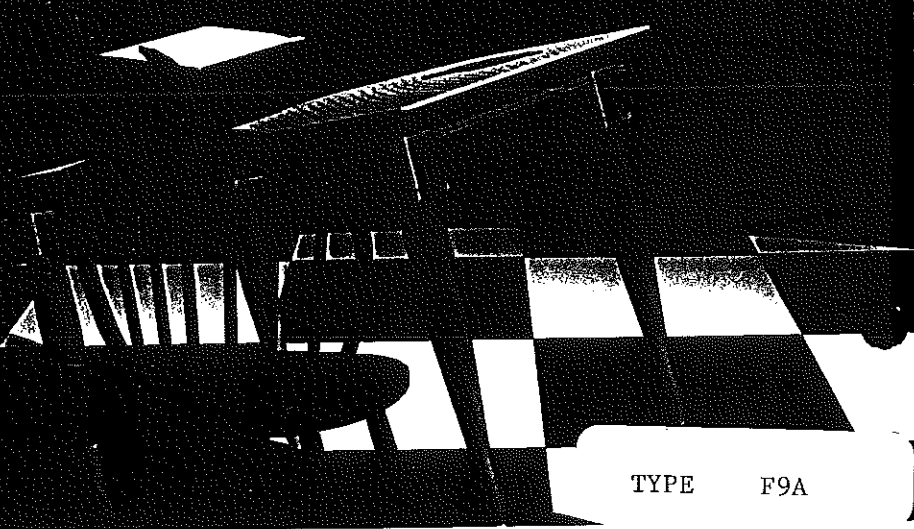
42 watt triple



32 watt triple

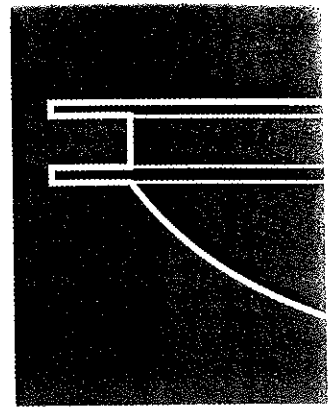


42 watt triple



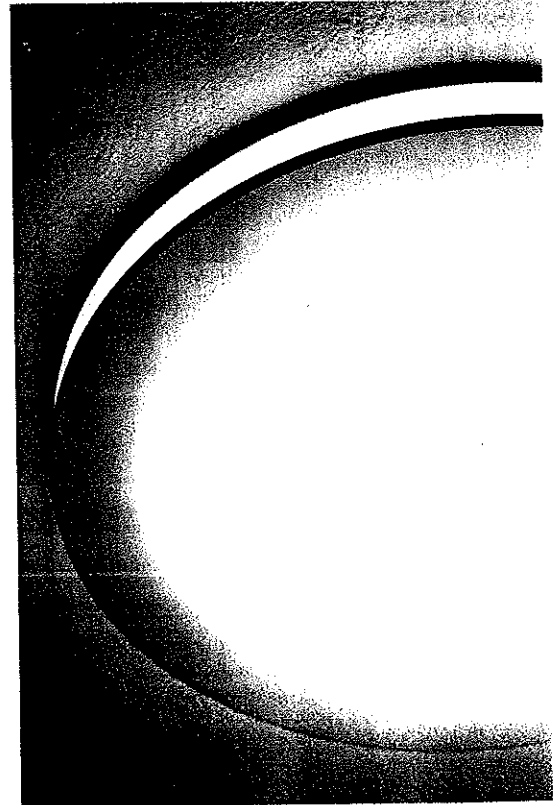
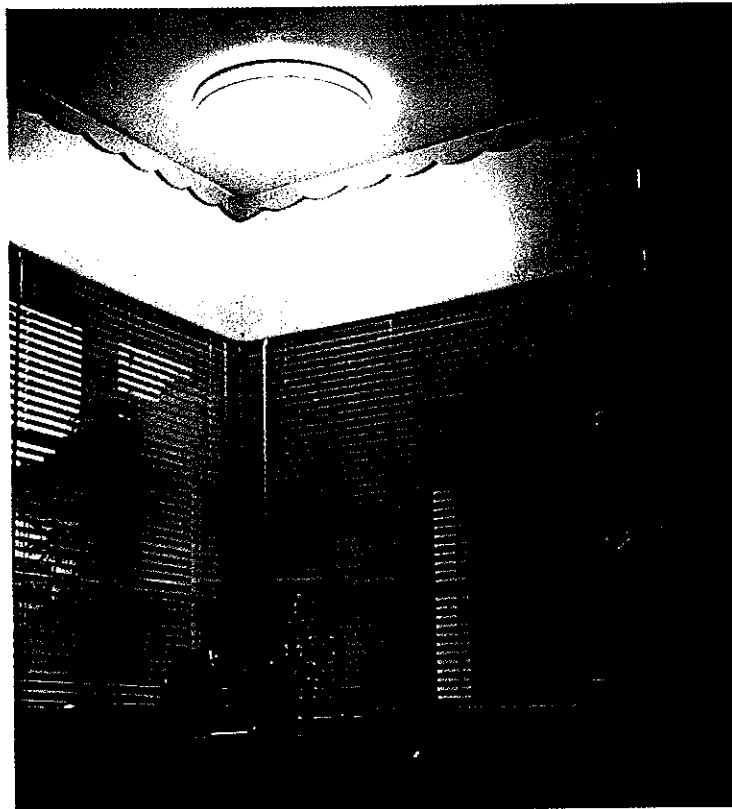
TYPE F9A

493

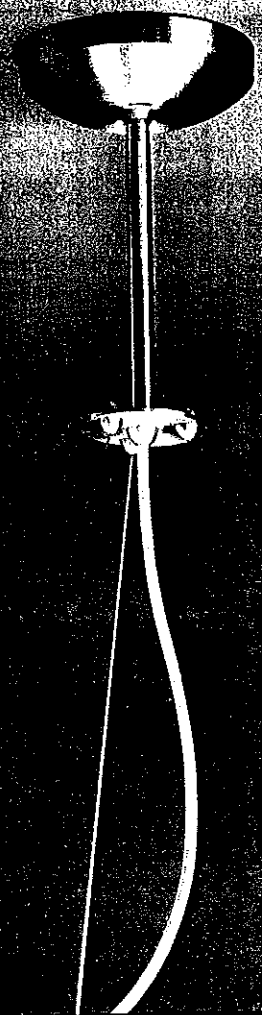


Luminous Bowl

The baffle blades of this fixture provide a decorative play of light. A companion wall mounted version – 693 – and a companion pendant – 494 – are available. See Sections C and B respectively. Note that it is available only with fluorescent lamping.



RESIDENCE
OAKLAND, CA



CP3382-6F50-COT-ACPW-BB

ARIES™

Flat profile, high efficiency pendants in three sizes provide direct/indirect illumination with a variety of lamping options. Two stem options and multiple diffuser configurations add flexibility to your design vision.

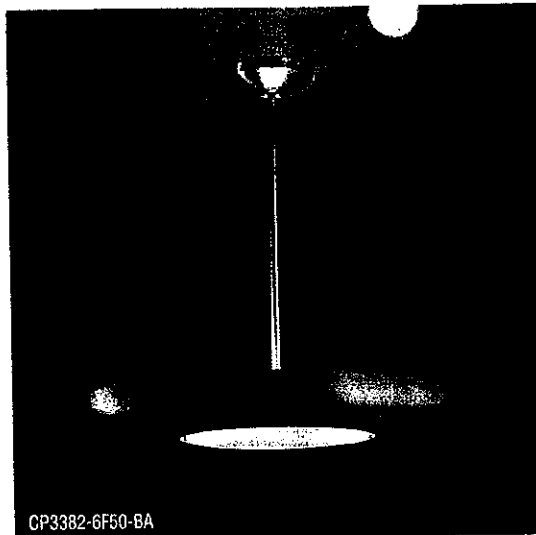


VISA LIGHTING
An Oldenburg Group Company

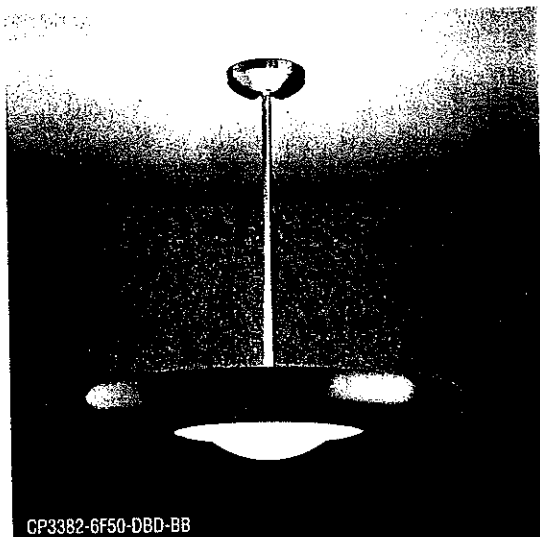
TYPE F17



CP3382-6F50-CBD-PB



CP3382-6F50-BA



CP3382-6F50-DBD-BB



CP3382-6F50-ACPW-EGT

	NOTES	DIMENSIONS			BASE MODEL NO.	ADD LAMP SUFFIX	ADD FINISH SUFFIXES
		W	H	X			
	LOW PROFILE BODY, SOFT EDGED DETAIL	22" 559mm	24" 610mm	3-7/8" 98mm	CP3380	-3F39	HOUSING: -BA, BB, CB, PB, PT STEM: -BA, BB, CB, PB, PT
	LOW PROFILE BODY, SOFT EDGED DETAIL	32" 813mm	30" 762mm	4" 102mm	CP3382	-3F40 -3F50 -6F40 -6F50	HOUSING: -BA, BB, CB, PB, PT STEM: -BA, BB, CB, PB, PT
	CP3382-3F50-277						
	LOW PROFILE BODY, SOFT EDGED DETAIL	42" 1067mm	36" 914mm	4-1/8" 105mm	CP3384	-4F40 -4F50 -8F40 -8F50	HOUSING: -BA, BB, PB, PT STEM: -BA, BB, CB, PB, PT

SAMPLE CATALOG NUMBER:


For a 32" fixture, -6F50 lamp, Egette paint finish, chrome stem, cone diffuser with aircraft cable stem (black cord) in 277V, the catalog number is constructed as follows:

CP3382 - **6F50** - **EGT** - **CB** - **ACPB** - **277V**
 Base Model Lamping Housing Finish Stem Finish Stem Option Voltage Option



6 x 3

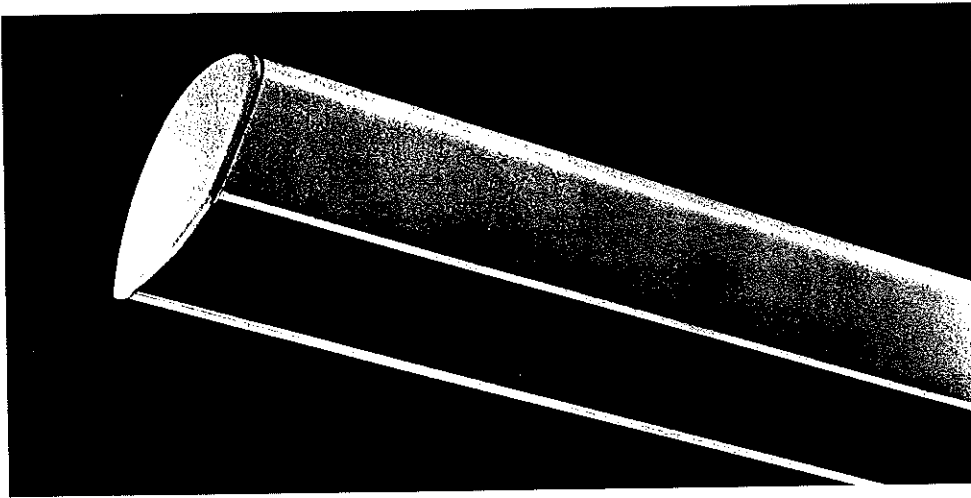
WALL WASH

Walls important enough to deserve their own lighting also deserve lighting that works. Here's an elegant solution: The Softshine® Wall Wash.  Only from Peerless®.

PEERLESS

TYPE F20

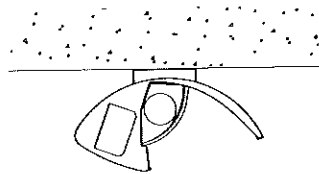
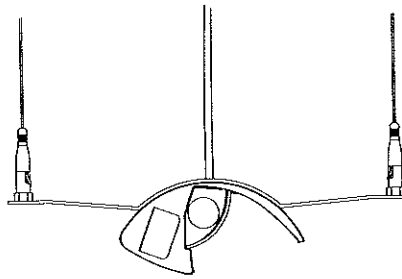
The Wall Wash system spreads the light in an even wash from the top of the wall to the bottom.



The extruded aluminum housing and die-cast ends make the fixture as beautiful as the light it produces. The optical system creates a visible LightCue™ line of light which is aesthetically pleasing and which provides the viewer with a sense of the light source.

PEERLESS

The Wall Wash is available in pendant-mounted and surface-mounted versions.



Finishes: Available in a wide range of colors and finishes. Painted finishes are applied electrostatically, then run through a high-temperature, automated process. All finishing takes place in one continuous line.

Electrical: 120 or 277 volt, pre-wired.

Lengths: Single fixtures up to 24' long. Can be cut to any length and extended to any length with concealed internal joiners.

Mounting: Fully adjustable aircraft cable or surface ceiling mounted bracket.

Housing: One-piece extruded aluminum forming a 6"x3" rounded channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflector: Combination die-formed specular aluminum and baked white enamel.

Lenses: Interior, micro-prismatic, 100% virgin acrylic optical lenses.

Lamps and Ballasts: 1-lamp T8. Electronic ballasts.

Peerless Lighting Corporation
 Box 2556
 Berkeley, California 94702-0556
 (510) 845-2760
 Fax (510) 845-2776
 © 1996 PEERLESS LIGHTING CORPORATION
 All Rights Reserved. "Peerless", "Softshine" and "LightCue" are trademarks of Peerless Lighting Corporation. Products in this

CAUTION: OUTLET BOX MAY BE SUBJECT TO ADDITIONAL LOADS DURING INSTALLATION AND RELAMPING.

NOTE: CEILING MUST BE ADEQUATELY REINFORCED AT SUPPORT LOCATIONS—BY OTHERS

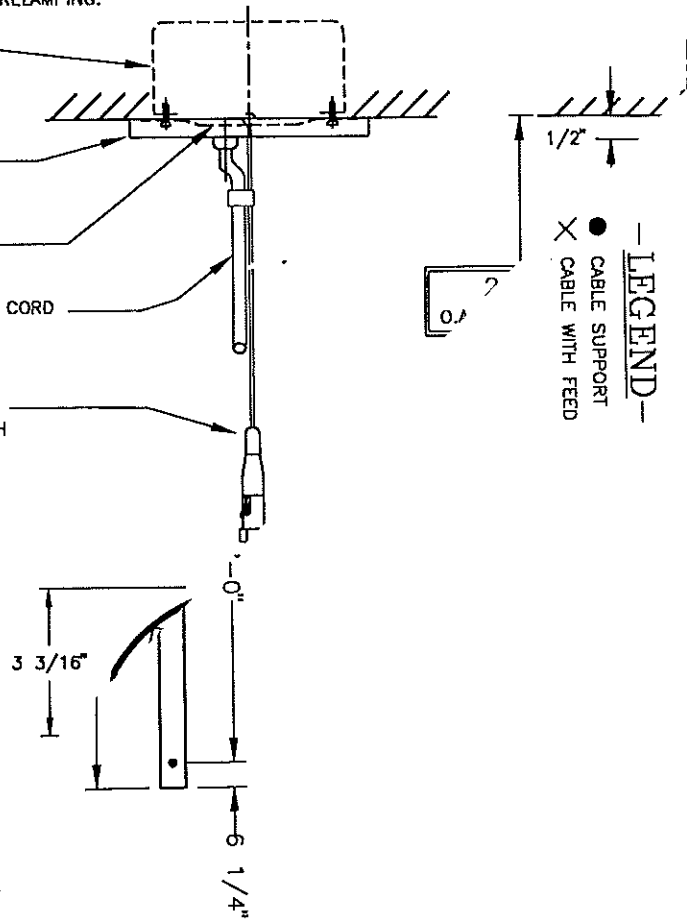
4" OCTAGONAL
OUTLET BOX AT FEED
—BY OTHERS

5" DIA. TWIST-ON CANOPY
FINISH—WHITE

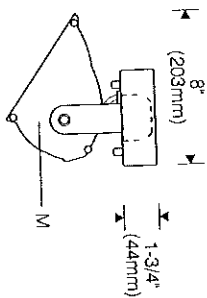
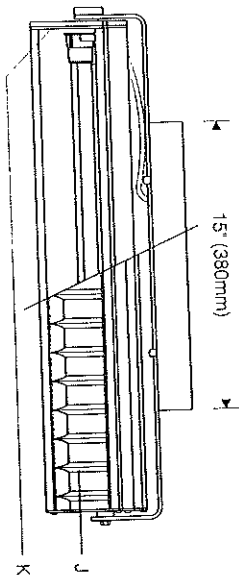
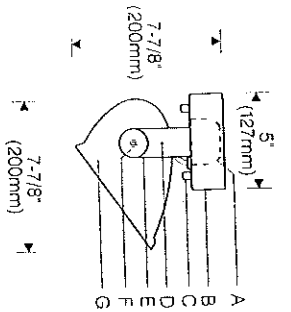
14 GA. STL. MT'G. STRAP.
MT'G. BOLTS BY OTHERS

#18/3 COND. WHITE STRAIGHT CORD

ADJUSTABLE CABLE RETAINER
AT HOUSING — CHROME FINISH

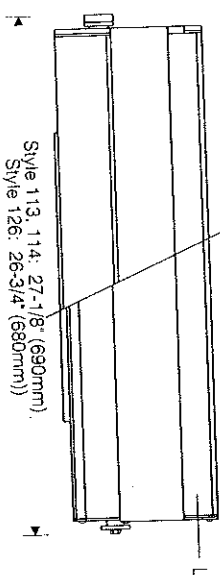
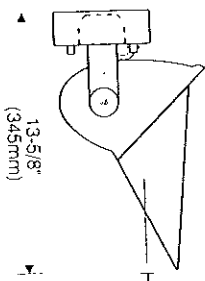


Style 113 and 114: Ceiling

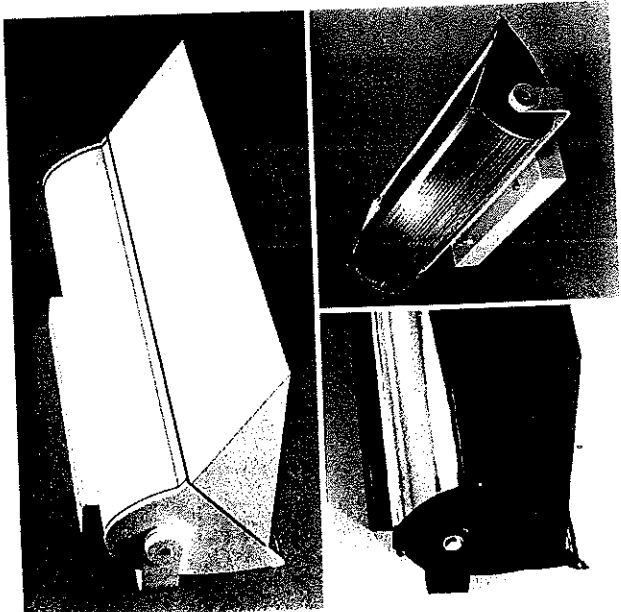
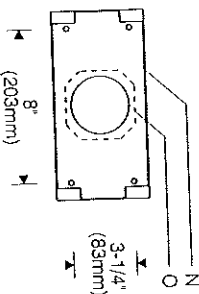


Style 126

Style 113 and 114: Wall



Mounting Plate



Specifications

- A** Integral electronic ballast (E mount only)
- B** Aluminum canopy/ ballast enclosure
- C** Chrome cap nuts
- D** Locking set screw
- E** Aluminum yoke
- F** Decorative knobs (Style 113, 114)
- G** Diecast aluminum end plates (Style 113, 114)
- H** Accessory cutoff visor

- J** Accessory snap-in parabolic cross baffle
- K** Specular aluminum reflector end panels
- L** Specular extruded aluminum reflector
- M** Contoured aluminum end plates (Style 126)
- N** Aluminum mounting plate
- O** Outlet box (by others)

Finish:

Style 113 fluted - bright clear anodized aluminum housing; silver end plates with semi-gloss white yoke and canopy.
 Style 114 smooth - semi-gloss white housing; end plates, yoke and canopy.
 Style 126 contoured - bright clear anodized aluminum housing with semi-gloss black end plates, yoke and canopy or all parts semi-gloss white.
 Painted surfaces - 6 stage pretreatment and electrostatically applied baked powder enamel for stable, long lasting and corrosion resistant finish.
 Reflector - extruded high purity aluminum with clear anodized specular finish. All luminaire hardware - stainless steel.
 All mounting hardware - zinc or cadmium plated.

Mounting:

Mounting plate and canopy fasten over recessed outlet box. Suitable backing structure required (by others).
 Wallwash pendant, upright pendant (back to back) or cantilever (wallwash or upright) ordered separately. Specify X mount supplied with remote ballast.

Electrical:

Use 90°C wire for supply connections.
 Integral electronic HPF thermally protected class P ballast. X mount units (for use with pendant or cantilever) furnished with remote HPF thermally protected electronic ballast. Aluminum ballast enclosure measures 12" L x 2 1/4" x 3-3/8" W and includes four 7/8" diameter entries and a knockout for an accessory fuse. Maximum wire length between electronic ballast and fixture is 8' (2.4m) less length of pendant stem or cantilever arm.
 Optional electronic dimming ballast dims to 10% of full light output (E mount only). Not available for X mount (pendant or cantilever). Compatible dimmer switch required (by others). Consult factory for complete specifications.
 For complete ballast specifications, see Accessory Section.

Labels:

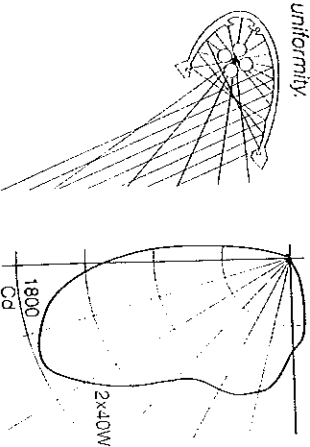
UL listed or CSA certified. IBEW.

Features

- Smooth, fluted and contoured reflector styles available
- Integral electronic ballast - easy to install; ideal low energy, long life incandescent retrofit; dimming optional
- Diecast end plates (Styles 113, 114) join at articulated black reveals - no exposed fasteners
- Extruded reflector - will not deform during maintenance

Performance

Two parabolic reflector sections drive light down or across the lighted surface from one edge. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, see Indr

To form a Catalog Number

F **1** **2** **3** **4** **5** **6** **7** **8**

1 Source

F = Long twin-tube compact fluorescent

2 Style

113 = Large fluted surface, **integral ballast**
 114 = Large smooth surface, **integral ballast**
 126 = Large contoured surface, **integral ballast**
 Note: Pendant or cantilever mounted units furnished with **remote ballast**.

3 Lamp

Lamp Code	Wattage	Lamp Number
Long Twin-Tube Compact Fluorescent		
X239	2X39	36-39W/16T5/7/2G11/PH-RS
X240	2X40	40W/22T5/7/2G11/RS
X250	2X50	50W/22T5/7/2G11/RS
X255	2X55	55W/21T5/7/2G11

For complete lamp and ballast information, see Accessory Section.

4 Mounting

E = External yoke with canopy and mounting plate
 X = External yoke for use with accessory pendant or cantilever mounting assembly (order separately)
 Note: Furnished with **remote ballast**. Pendant and cantilever not available for use with dimming ballast.

5 Finish

Style 113 Fluted
 01 = Bright aluminum housing with silver end plates, semi-gloss white yoke and canopy
 02 = Semi-gloss white housing, end plates, yoke and canopy

Style 126 Contoured
 81 = Bright clear anodized housing with semi-gloss black end plates, yoke and canopy
 02 = Semi-gloss white

Style 114 Smooth
 02 = Semi-gloss white housing, end plates, yoke and canopy

Project: _____

6 Voltage/Ballast

Electronic*
 1 = 120V
 2 = 277V
 3 = 347V (Canada)

Dimming†
 T = 120V
 V = 277V

* X mount furnished with **remote electronic ballast**.
 † Dimming not available for 55W lamps or for use with pendant or cantilever (available in E mount only).

7 Option

00 = No options
 0E = Remote emergency battery pack, maximum distance from battery pack to fixture is 5' (1.5m).
 XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Standard

0 = UL listed, Underwriters Laboratories
 J = CSA certified, Canadian Standards Association

Example

F114 - X250 - E - 02 - 2 - 000

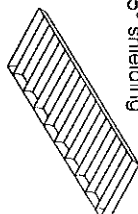
Large smooth surface model for use with two 50W long twin-tube compact fluorescent lamps. External yoke with canopy, semi-gloss white. Integral 277V electronic ballast. UL listed. (Order accessory cutoff visor for uplighting separately.)

Type: _____

Accessories

Order separately. See Accessory Section for specifications.

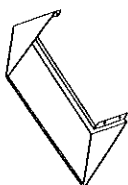
ABL000 0 = Snap-in parabolic **cross baffle**, specular aluminum, 35° shielding
 E = Style 113 or 114
 F = Style 126



AVM 0 = Cutoff visor

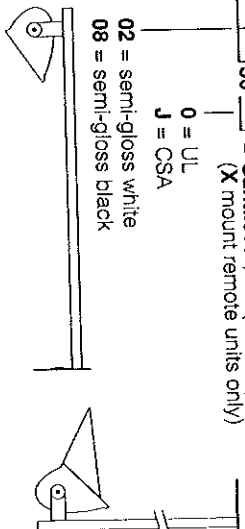
00 = Style 113 or 114
 KO = Style 126

02 = Semi-gloss white
 07 = Silver
 08 = Semi-gloss black



VCX 36 = **Cantilever**, 36" (915mm) setback
 0 = UL
 J = CSA
 (X mount remote units only)

02 = semi-gloss white
 08 = semi-gloss black

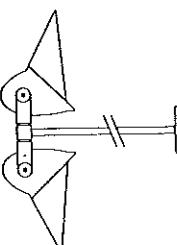


VPX = **Wallwash pendant**, 2 stems, ceiling mounted (X mount remote units only).

0 = UL
 J = CSA
 Length in inches (60" (1.5m) max)
 02 = semi-gloss white
 08 = semi-gloss black

VDX = **Uplight pendant** (back to back), ceiling mounted (X mount remote units only)

0 = UL
 J = CSA
 Length in inches (60" (1.5m) max)
 02 = semi-gloss white
 08 = semi-gloss black



Example: F50LTT-41 = 50 watt 4100K lamp

LAMPS (Order separately; two required for each luminaire)
 F LTT - = Long twin-tube fluorescent lamp

30 = 3000K/warm
 35 = 3500K/neutral
 41 = 4100K/cool

39 = 36/39W
 40 = 40W
 50 = 50W
 55 = 55W

elipitbar

114 Orange Avenue, West Haven, Connecticut 06516, USA
 Voice 203 931 4455 • Fax 203 931 4464

The external shapes of the asymmetric reflectors are for certain products illustrated may be covered by applicant. For a list of patents, see section dividers. These specifications and are subject to change without notice. © 1990 elipitbar

F22



1X

elipitbar

10 Order

To form a Catalog Number

F | 2 | 0 | 9 | - | 3 | - | L | - | 4 | 5 | 6 | 7 | 8

1 Source

F = Long twin-tube compact fluorescent

2 Style

209 = Large semi-recessed for lay-in ceiling, integral ballast

3 Lamp

Lamp Code	Wattage	Lamp Number
Long Twin-Tube (Order separately)		
L139	39	36-39W/16T5/TT/2G11/PH-RS
L140	40	40W/22T5/TT/2G11/RS
L150	50	50W/22T5/TT/2G11/RS
L155	55	55W/21T5/TT/2G11

Note: For Style 209 4X™ using two 39 or 55W lamps, see page X-4.

4 Mounting

L = Lay-in grid ceiling

5 Finish

01 = Bright anodized reflector with black end plates and trim
 02 = Semi-gloss white
 08 = Black

6 Voltage/Ballast

Electronic	Dimming*
1 = 120V	T = 120V
2 = 277V	V = 277V
3 = 347V (Canada)	

*Dimming not available for 55W lamp

7 Option

00 = No options
 0E = Remote emergency battery pack
 XX = For modification not listed, include detailed description. Consult factory prior to specification.

Project: _____

8 Standard

0 = UL listed, Underwriters Laboratories
 J = CSA certified, Canadian Standards Association

Example

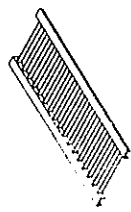
F209 - L150 - L - 02 - 1 - 00J

Large semi-recessed model for use with 50 watt long twin-tube compact fluorescent lamp. For use in lay-in grid ceiling. Semi-gloss white. Integral 120V electronic ballast. CSA certified.

Type: _____

Accessories (Order separately)

ASL2 - C0 = Snap-on crossbaffle, 25° shielding
 02 = white
 08 = black



AFK000X0 = Ballast fuse kit

LAMPS - LTT - = Long twin-tube fluorescent lamp

39 = 36/39W 30 = 3000K/warm
 40 = 40W 35 = 3500K/neutral
 50 = 50W 41 = 4100K/cool
 55 = 55W

Example: F50LTT-30 = 50 watt 3000K lamp

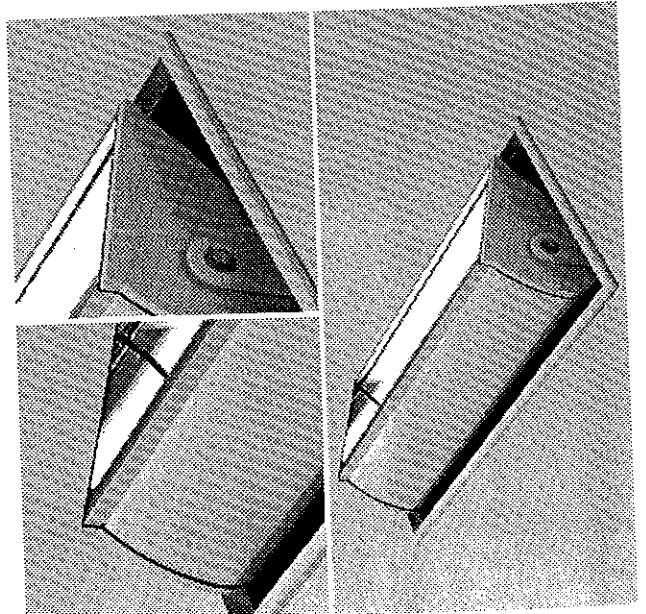
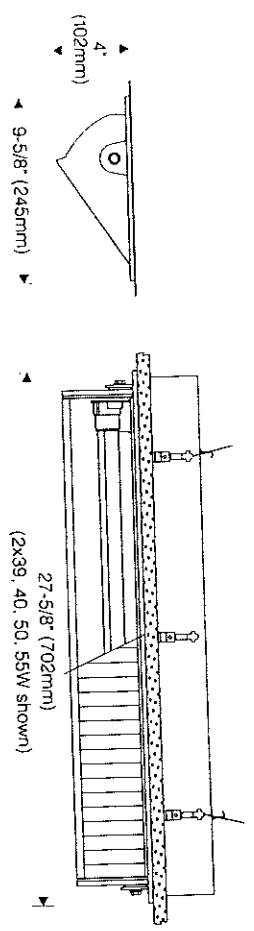
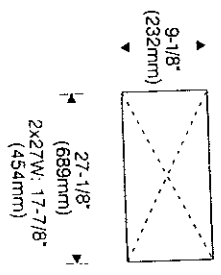
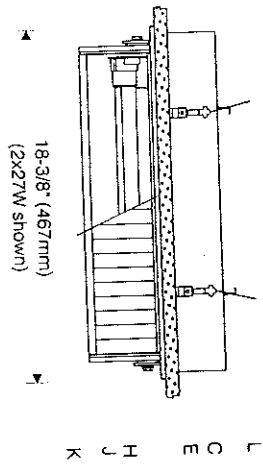
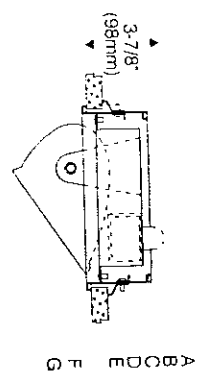


elliptipar

114 Orange Avenue, West Haven, Connecticut, 06516, USA
 Voice 203.931.4455 • Fax 203.931.4464

The external shape of the asymmetric reflector is a trademark. Certain products illustrated may be covered by applicable patents. These specifications supersede all prior publications and notices. ©1995 Elliptipar

Ceiling Cutout



Long Trim Finish

Style 204

Specifications

- A** Aluminum back box
- B** Conduit entry (connector by others)
- C** Extruded aluminum mounting/trim frame
- D** Integral electronic ballast with aluminum cover
- E** Mounting clips
- F** Aluminum yoke arms
- G** Diecast end plates
- H** Accessory snap-on cross baffle
- J** Specular aluminum reflector end panels
- K** Specular extruded aluminum reflector
- L** Supplemental wire supports (by others)

Finish:

Semi-gloss white exterior and ceiling trim. Black back box. Painted surfaces - 6 stage pretreatment with electrostatically applied baked powder enamel for stable, long lasting and corrosion resistant finish.

Reflector - extruded high purity aluminum with clear anodized specular finish. All luminaire hardware - stainless steel. All mounting hardware - zinc or cadmium plated.

Mounting:

Mounting/trim frame installs from below finished ceiling. Clips provided for rigid non-accessible ceilings (drywall, plaster) up to 1-3/4" (44mm) thick. Supplemental supports (hanger wires or C-channels not included) required for accessible ceilings. Frame retrofits into existing non-accessible ceilings.

Electrical:

Use 90°C wire for supply connections. Integral electronic HPF thermally protected class P ballast. Ballast compartment includes a 7/8" diameter entry on top of back box. Cover removes from below ceiling for access to splices and ballast. Optional electronic dimming ballast dims to 10% of full light output. Compatible dimmer switch is required (by others). Consult factory for complete specifications.

Labels:

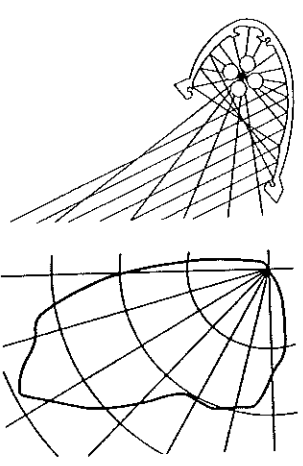
UL or CSA. IBEW.

Features

- Adjustable aiming - tailor performance to wall height and setback; beveled spring washers lock aiming
- Extruded aluminum trim with a black reveal - a crisp look for plaster and gypsum board ceilings
- Integral electronic ballast - dimming, emergency optional
- Shallow recessed depth - fits under ducts at core walls

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section occludes the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized, resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, see Ap

FEATURES

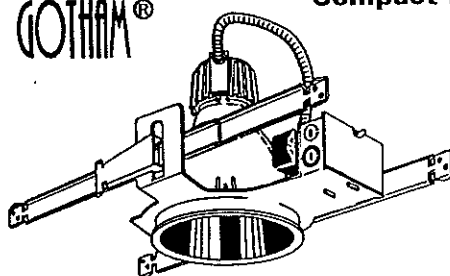
- Die-cast aluminum socket housing. Ventilated top for convective cooling.
- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Specular clear Alzak* reflector optically designed to provide optimum cutoff to lamp and lamp image. Controlled anodized coating suppresses iridescence. Minimum flange matches reflector finish.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Three combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.
- Vertically-mounted, four-pin, positive-latch, thermoplastic socket.
- Class P (thermally protected) high frequency solid-state ballast mounted to the junction box (operates both 26W and 32W tri-tube lamps). (THD < 10%.)
- 16-gauge galvanized steel mounting/plaster frame with friction support springs to retain finishing trim. Maximum 7/8" ceiling thickness.
- Fixtures are UL listed and CSA certified for thru-branch wiring, recessed mounting and damp locations.

*Alzak is a registered trademark of ALCOA.

Type
F25A

Catalog number
AFV-32-TRT-6AR-277

GOTHAM®

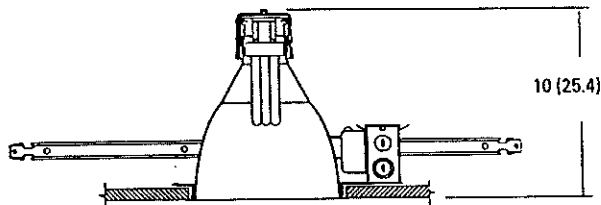


Compact Fluorescent Downlights

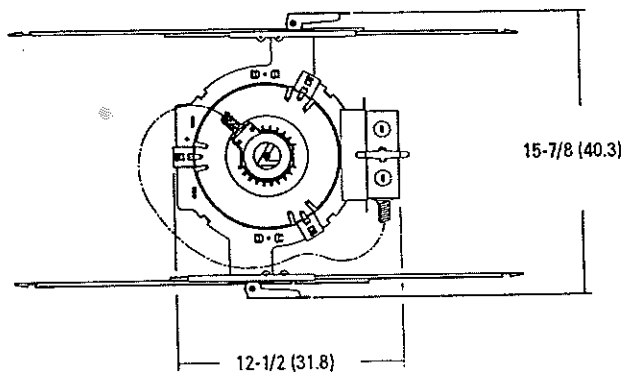
6" AFV

Open Reflector

Vertical Lamp
Tri-Tube



Aperture: 6-1/4 (15.9)
Ceiling opening: 6-7/8 (17.5)
Overlap trim: 7-1/2 (19.1)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Example: **AFV 26/32TRT 6AR 120**

AFV	26/32TRT	6AR	277	
Series	Wattage/lamp	Reflector finish	Voltage	Options
AFV	26/32TRT One 26W tri-tube or one 32W tri-tube	6AR Clear 6CR Champagne gold 6GR Gold 6PR Pewter	120 277 347	TRW White painted flange. SSC Provides compatibility with Lithonia Reloc System 820. System 820 can be installed less this option with connectors provided by others. GMF Single slow-blow fuse. RIF Radio interference filter. DMHL Lutron Hi-lume** solid-state dimming ballast, 120V or 277V, 32W only. ELR Emergency battery pack. Access above ceiling required. Remote test switch required. (Consult factory for dimensional changes.)

**Hi-lume is a registered trademark of Lutron Electronics.

DESCRIPTION

The SN Series is a functional and multi-purpose narrow strip family that incorporates premium performance and construction durability. The performance and application versatility of this series can be increased by incorporating symmetrical or asymmetrical reflectors. The SN Series can be installed using various mounting methods and numerous options and accessories are available.

APPLICATION

The SN Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, display cases, shops, task and general area lighting.

SPECIFICATION FEATURES

A...Construction

Channel die formed code gauge prime cold rolled steel. Numerous KOs for ease of installation. End plate quickly converts to snap-in channel connector for continuous row alignment. Lampholder mounting brackets easily installed with snap-in action. Channel/wireway cover secured with quarter-turn fasteners.

B...Electrical

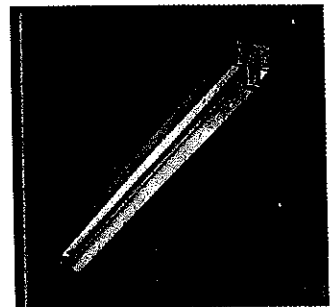
Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.*

C...Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting upgrade, baked white enamel finish.

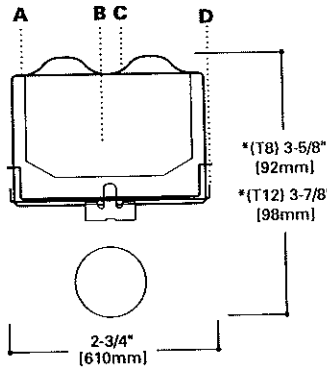
D...Channel/Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance. Easily removed without use of tools. Optional reflector available incorporating silver technology enhancements. (Silver Lining) Consult Factory.

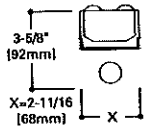


SN115
120
117
130
125
140
132

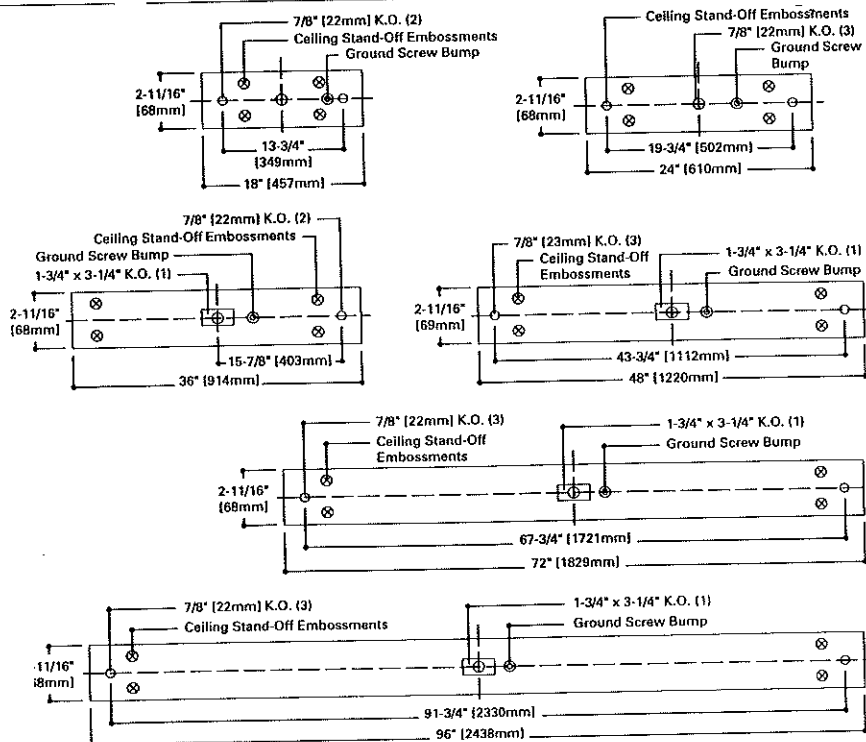
18" OR 2', STRIP
1 LAMP LTS OR HTS
3' OR 4' STRIP
1 LAMP LRS OR HRS
Commercial Narrow
StripLite



LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps

- 117 (20)
- 130 (31)
- 125 (28)
- 140 (38)
- 132 (30)

ES Ballast & STD Lamps

- 117 (23)
- 130 (46)
- 125 (33)
- 140 (50)
- 132 (37)

STD Ballast & STD Lamps

- 115 (20)
- 120 (32)

Luminaire Efficacy Rating

LER = FS-19

Catalog Number: SN-132

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.04

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast ratings.

DESCRIPTION

The SN Series is a functional and multi-purpose narrow strip family that incorporates premium performance and construction durability. The performance and application versatility of this series can be increased by incorporating symmetrical or asymmetrical reflectors. The SN Series can be installed using various mounting methods and numerous options and accessories are available.

APPLICATION

The SN Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, display cases, shops, task and general area lighting.

SPECIFICATION FEATURES

A...Construction

Channel die formed code gauge prime cold rolled steel. Numerous KOs for ease of installation. End plate quickly converts to snap-in channel connector for continuous row alignment. Lampholder mounting brackets easily installed with snap-in action. Channel/wireway cover secured with quarter-turn fasteners.

B...Electrical

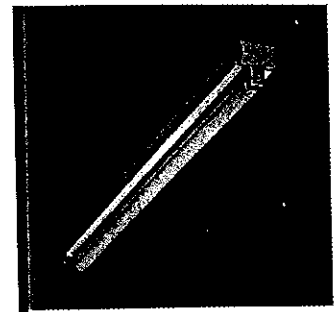
Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Pressure lock lampholders. UL listed, CSA certified and IBEW labeled.*

C...Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting upgrade, baked white enamel finish.

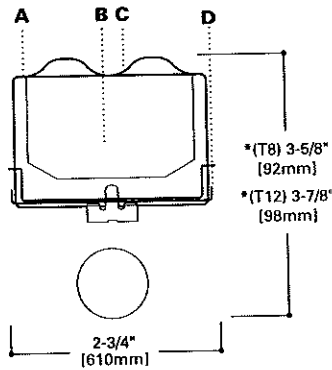
D...Channel/Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance. Easily removed without use of tools. Optional reflector available incorporating silver technology enhancements. (Silver Lining) Consult Factory.

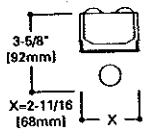


- SN115**
- 120
- 117
- 130
- 125
- 140
- 132

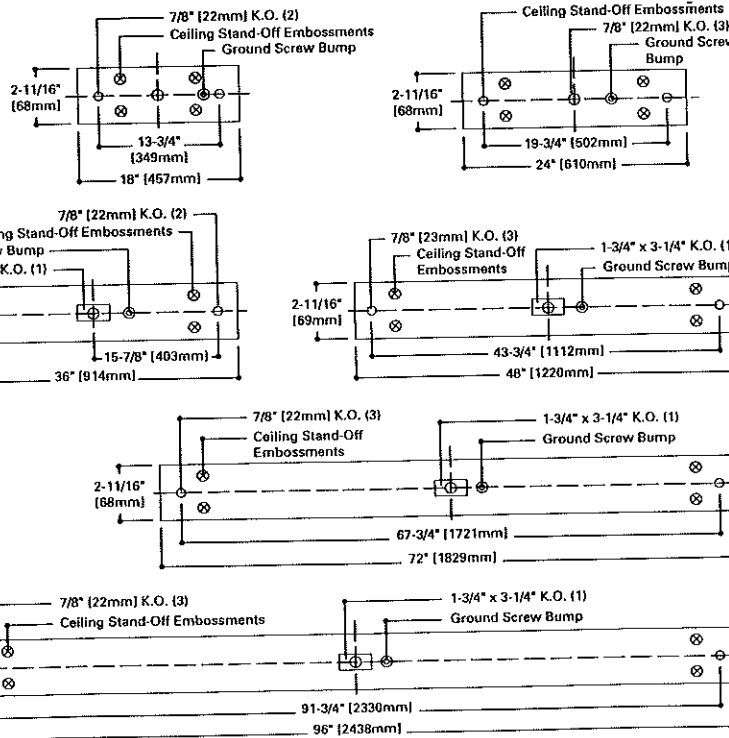
18" OR 2', STRIP
1 LAMP LTS OR HTS
3' OR 4' STRIP
1 LAMP LRS OR HRS
Commercial Narrow
StripLite



LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
117 (20)
130 (31)
125 (28)
140 (38)
132 (30)

ES Ballast & STD Lamps
117 (23)
130 (46)
125 (33)
140 (50)
132 (37)

STD Ballast & STD Lamps
115 (20)
120 (32)

Luminaire Efficacy Rating
LER = FS-19
Catalog Number: SN-132

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.04

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast

Design Features

Housing: Heavy gauge aluminum housing is internally welded and sealed to prevent water entry or light leaks. Lens frame support is welded to housing and sealed. Two weep holes are in back of housing to allow water run off when used in wet locations. If luminaire is to be mounted down specify with "DM".

Lens Frame: Formed from extruded aluminum, the frame rests on the raised support frame in housing. This allows water to travel between lens frame and support frame and out the weep holes. Lens frame is gasketed and secured with two stainless steel tamperproof fasteners.

Lens: A diffused heat tempered glass lens is used for HID lamps and DR acrylic is used with PL lamps. The lens is sealed to the frame to prevent water entry.

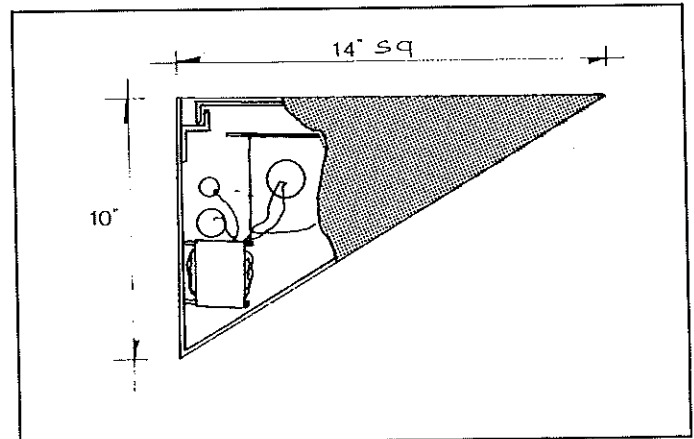
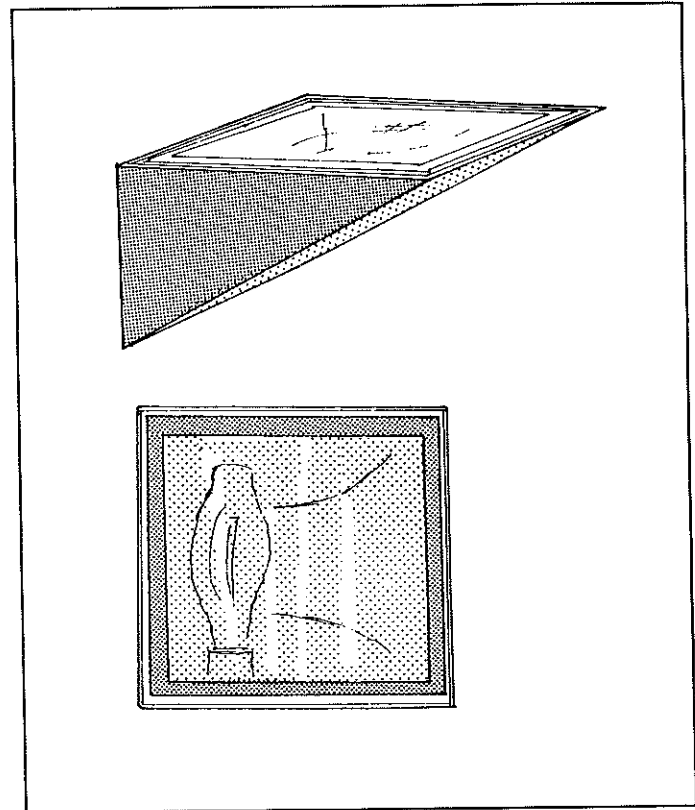
Optical System: Satin anodized reflector is provided to help distribute the light in a smooth asymmetric distribution.

Ballast/Lamp Assembly: All HID ballast shall have a high power factor and suitable for -20° F operation. The ballast module is easily removable for maintenance. The lamp socket shall be porcelain medium base pulse-rated for HID lamps.

Mounting Bracket: Housing bolts directly to the wall. Unit should be sealed at wall when used outdoors.

Finish: Polyester powder coating on all metal parts. Color to be specified.

Listing: Luminaire is ETL listed for wet locations.



Specification Guide

Series	Wattage/Lamp	Volts	Options	Finish
SA	13w/PL = 113P	120	1F = Single Fuse	BZ = Bronze
	26w/PL = 126P	208	2F = Double Fuse	BK = Black
	70w/HPS = 107S	240	PH = Button Cell	WH = White
	100w/HPS = 110S	277	QR = Quartz Relay	SL = Silver
	150w/HPS = 115S	480	QS = Quartz Socket	CC = Custom Color
	70w/MH = 107H		DM = Down Mounting	
	100w/MH = 110H			
	175w/MH = 117H			

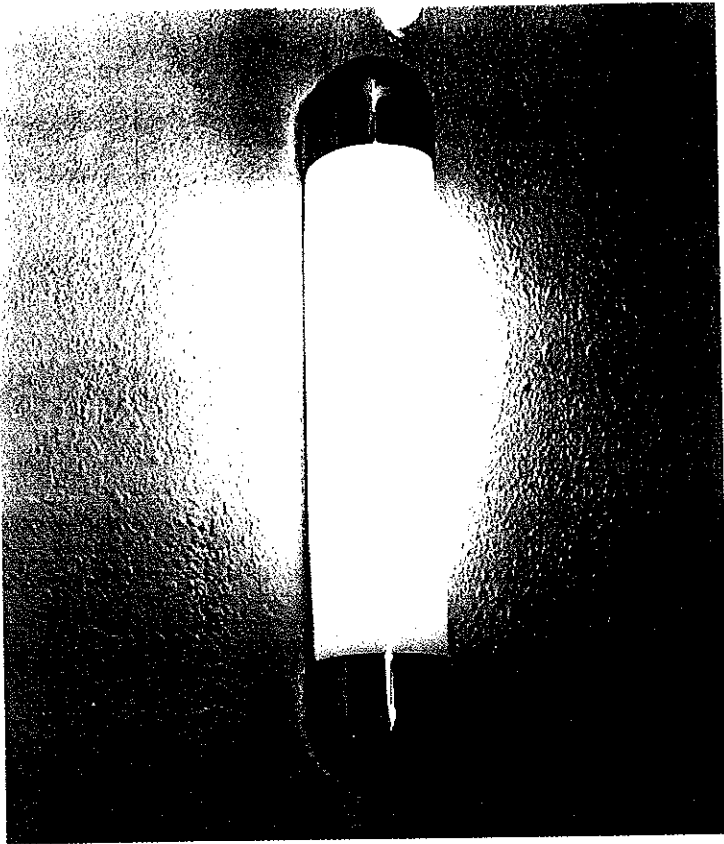
Example: 100 Watt, Metal Halide, 120 Volts, Single Fuse, Bronze

SA-110H-120/1F/BZ

SA-110H-277-8775D

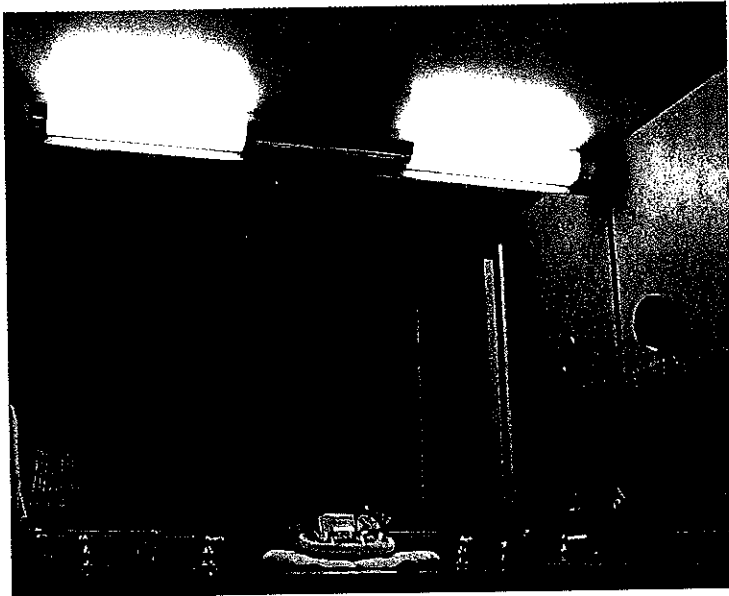
TYPE H

604



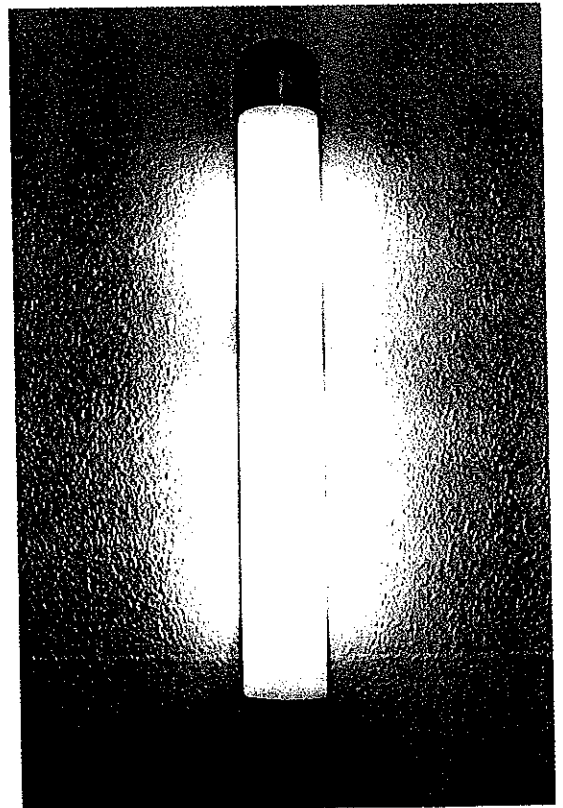
Vanity Fixture

This clean simple luminous fixture can be mounted vertically or horizontally. The compact 4" width and 3.5" projection uses incandescent T-lamps or high color rendering compact fluorescent lamping. This fixture can also be used in stairs and corridors.



SQUAW CREEK RESORT HOTEL
SQUAW VALLEY, CA
INT. ARCH. SMWM

604-MOD



FEATURES

- Die-cast aluminum socket housing with heat-dissipating fins and vented top. Horizontally-mounted, two-pin, positive-latch, thermoplastic sockets in double-lamp configuration.
- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Spun aluminum housing. Specular upper reflector. Lower trim finished in white polyester powder.
- Regressed white splay or optional stepped black baffle. Available with tempered prismatic lens (T73), flat fresnel lens (FFL) or concave holophane lens (CHL). Door is retained by two self-aligning, constant-tension support springs.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Three combination 1/2"-3/4" knockouts and one 1/2" knockout for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.
- Class P (thermally protected) high power factor ballast(s) mounted to junction box.
- Die-formed galvanized steel mounting/plaster frame. Maximum 7/8" ceiling thickness.
- Fixtures are UL listed and CSA certified for thru-branch wiring, recessed mounting and wet location.

Type
N

Catalog number

LGF2/13DTT-7RW-T73-277

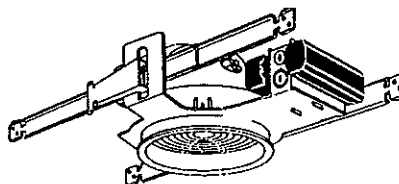
GOTHAM®

Compact Fluorescent Downlights

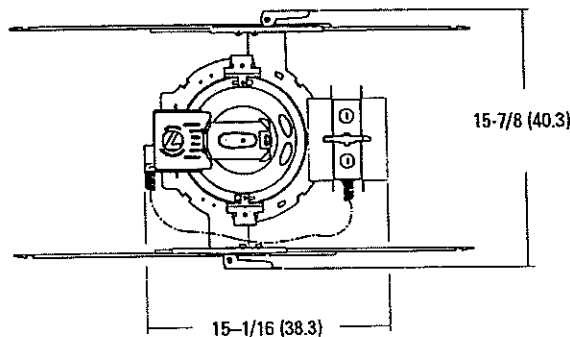
7" LGF

Round Lens

Wet Location
Horizontal Lamp
Twin-Tube or Double Twin-Tube



Aperture: 7-7/16 (18.9)
Ceiling opening: 8-1/8 (20.6)
Overlap trim: 8-5/8 (21.9)



All dimensions are inches (centimeters).
Two ballasts shown for maximum dimension.
Actual configuration may vary.

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.
Order accessories as separate catalog numbers (shipped separately).

Example: **LGF 2/13TT 7RW T73 120**

LGF	2/13DTT		7RW	T73	277	
Series	Wattage/lamp		Door frame	Shielding	Voltage	Options
LGF	2/13TT	Two 13W twin-tube	7RW Regressed white splay	T73 Prismatic lens	120	SSC Provides compatibility with Lithonia Reloc System 820. System 820 can be installed less this option with connectors provided by others.
	2/13DTT	Two 13W double twin-tube	TSB Stepped black baffle	CHL Concave holophane lens	277	GMF Single slow-blow fuse.
	2/18DTT	Two 18W double twin-tube		FFL Flat fresnel lens	347	RIF Radio interference filter.
	2/26DTT	Two 26W double twin-tube				DMHL Lutron Hi-lume* solid-state dimming ballast, 120V or 277V, 18W and 26W only. Requires Osram/Sylvania four-pin lamp.
						DS Dual switching.
						GEB Solid-state electronic ballast. Requires four-pin lamp. (26W, 18W, 13W DTT ONLY.)
						ELR Emergency battery pack. Remote test switch required. (Consult factory for dimensional changes.)

*Hi-lume is a registered trademark of Lutron Electronics.

2100 Series HID flush mounted up lights

The versatility to meet a wide range of specific lighting applications has been designed into this basically simple fixture. It offers exceptional ease and flexibility in the aiming and control of light patterns.

Specifications:

Door material: Cast aluminum or cast bronze that locks the lamp housing into the Rough-In Section with one tamper-proof stainless steel fastener.

Rough-In Section: Injection molded ABS, UV-stabilized, impact and corrosion resistant for all types of environments.

Lamp Module housing: Stainless steel, sealed and purged of all moisture to 100%. Electrical access to lamp module through submersible rated connector, thermally protected.

Lamp types: T-4 Mini-can and PAR-38 lamps to 250W, maximum. Other specific lamps may be supplied. Lamps included.

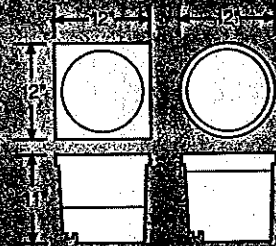
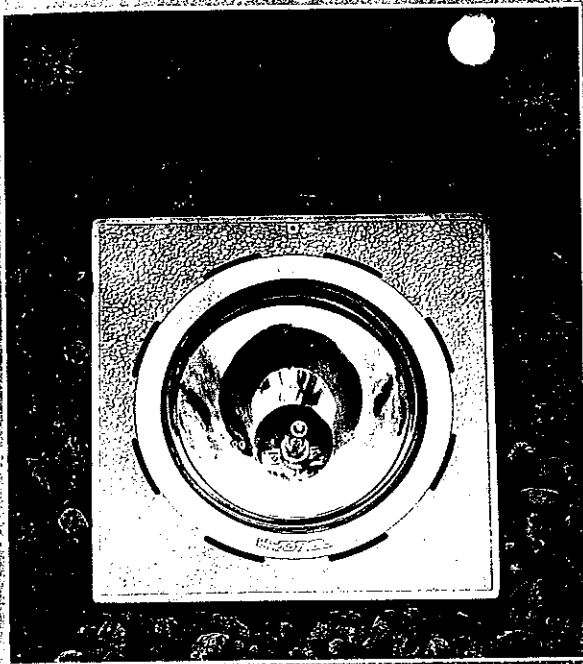
Voltages: 120V.

Light distributions: The Spot Reflector is spun aluminum. The Wide Reflector is diffuse aluminum and the Wall Wash Reflector is diffuse hydroformed aluminum. The Spot and Wide Flood Reflector assemblies have up to 15° of internal lamp tilt (depending on lamp type) on a 360° axis of rotation. Lamp tilt is not required for wall wash units. The lenses are clear tempered flat glass. The wall wash lens is a 5° axial spread lens lightly frosted for uniformity. Convex lenses available.

The common light distributions are: SPOT-7° spread, WFL-140° spread, NFL-30° spread, MFL-60° spread, WW-10 to 1 Uniformity Ratio. Reflectorized lamp distribution may vary with the manufacturer. See Photometric Data Sheets.

Conduit entries: 1/2" and 3/4" NPT. Bottom openings are available in the cast aluminum integral junction box. Bronze junction boxes available.

UL Listed



9100 Series HID flush mounted up lights

Powerful performance for architectural and landscape applications that demand unusual breadth and volume of light. These fixtures are ideal for broad coverage of landscapes, walls, columns, facades, etc., and can be installed in masonry or in open planting areas.

Specifications:

Door material: Cast aluminum or cast bronze that locks the lamp housing into the Rough-In Section with one tamper-proof stainless steel fastener.

Rough-In Section: Injection molded ABS, UV-stabilized, impact and corrosion resistant for all types of environments.

Lamp Module housing: Stainless steel, sealed and purged of all moisture to 100%. Electrical access to lamp module through submersible rated connector, thermally protected.

Lamp Module: High Power Factor Ballast, 100% efficient, ballast, 100% efficient, 100% efficient, 100% efficient, 100% efficient.

Lamp types: T-4, T-5, T-8, PAR-38 lamp, with medium base, to 150W, maximum. Other specific lamps may be supplied. Lamps included.

Voltages: 120V standard, 208V, 240V, 277V available in most lamp types.

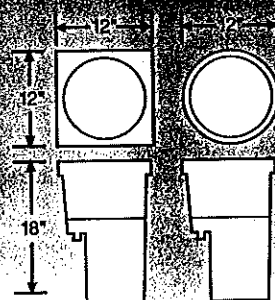
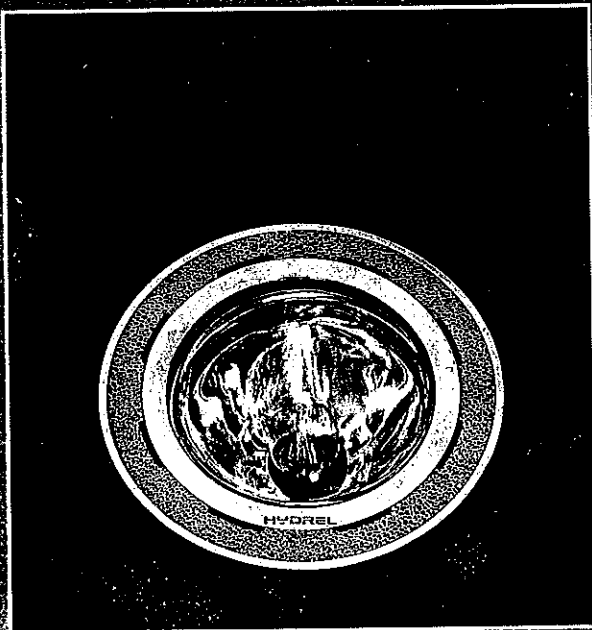
Light distributions: The Spot Reflector is specular spun aluminum. The Wide Reflector is diffuse spun aluminum and the Wall Wash Reflector is diffuse hydroformed aluminum. The Spot and Flood Reflector assemblies have 15° of internal lamp tilt on a 360° axis of rotation. Lamp tilt is not required for wall wash units. The lenses are clear tempered flat glass. Convex lenses available.

The common light distributions are: SPOT-7° spread, WFL-140° spread, NFL-30° spread, MFL-60° spread, WW-10 to 1 Uniformity Ratio. Reflectorized lamp distribution may vary with the manufacturer. See Photometric Data Sheets.

Conduit entries: 1/2" and 3/4" NPT. Bottom openings are available in the cast aluminum integral junction box. Bronze junction boxes available.

UL Listed

Patents Pending



Uplight/Downlight with Minimal Light Trespass

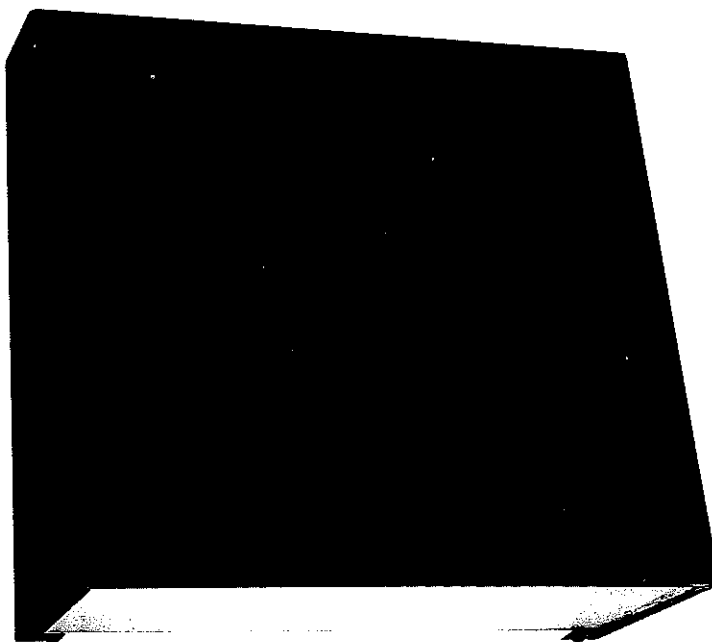
SUNDOWNER™ 12

Sundowner is an environmentally friendly luminaire series that delivers a sharp 85-degree light cutoff making it ideal for accentuating a building's form and presence, without the light pollution common to most outdoor lighting. Sundowner's light-control design meets stringent light trespass code compliances for down lighting, and is available in wattages from 50 to 175 watt.

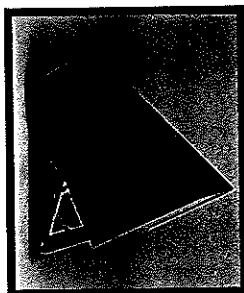
The unique optical system includes a specular aluminum reflector and canopy design that achieves a precise light cutoff and distribution pattern through an etched, 5/32" tempered diffused glass lens.

Design features include a tapered, corrosion resistant aluminum canopy which is Listed for Wet Locations for downlighting.

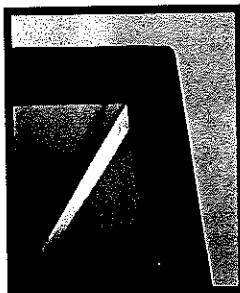
All exterior hardware is stainless steel to resist the elements, and canopy is gasketed to back plate to prevent water entry and minimize infiltration by insects. Sundowner – a precise answer to precise outdoor lighting needs.



Canopy hinges for lamp or electrical maintenance and easily removes from backplate.



Fixture canopy seals to backplate with quality silicone gasketing.



Diffusing glass lens is silicone sealed in canopy to resist moisture and insect infiltration.



Specifications/Features

GENERAL

- Sharp cutoff, wall mounted HID luminaire suitable for low glare applications and light trespass code compliance.
- Utilizes Metal Halide and High Pressure Sodium HID lamps up to 175W for best design options available.
- Wet location applications.
- Uplight mounting available. (Damp Location)

CONSTRUCTION

- Corrosion resistant .05" low copper content aluminum canopy and back plate finished in baked bronze polyester powder coat.
- Easy one man installation with cast aluminum backplate. Backplate mounts to electrical box with box strap and nipple supplied.
- Canopy hinged and easily removable from back plate; enhances ease of installation and maintenance.
- Specular aluminum reflectors produce front cutoff at 85 degree and S/MH 2.7:1.
- Canopy sealed to back plate with extruded, high temperature, silicone gasket.

- Corrosion resistant stainless steel external hardware.
- 5/32" tempered diffused glass lens silicone sealed to prevent entrance of water, and minimize insect infiltration.
- Canopy secured by two captive stainless steel screws; optional tamper resistant screws.

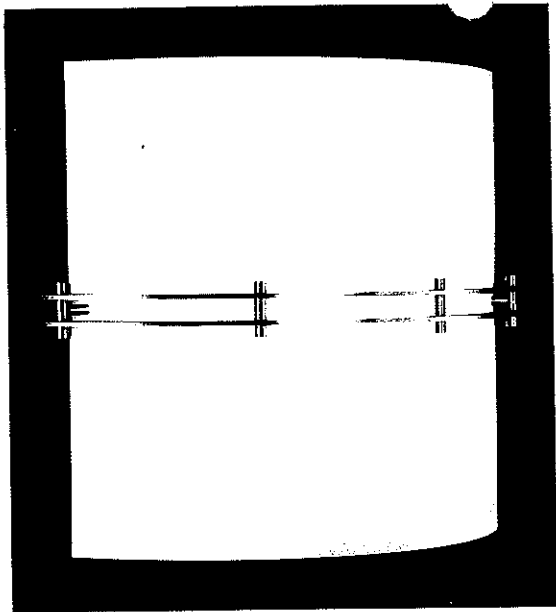
LISTINGS

- Listed 1572 Wet location for downlight and damp location for uplight versions.

ELECTRICAL

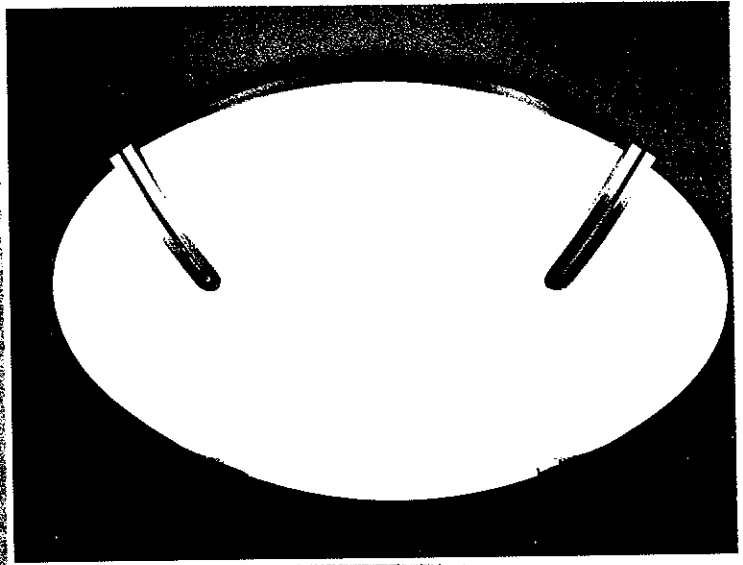
- Standard ballasts are 120V, HPF, maximum 175W medium base HID lamp in vertical position.
- Ground wire attached to backplate for positive grounding and quick installation.
- Optional button type photocell mounts in top of canopy.
- All fixtures are IBEW, Union made to ensure quality.

GUTH
LIGHTING

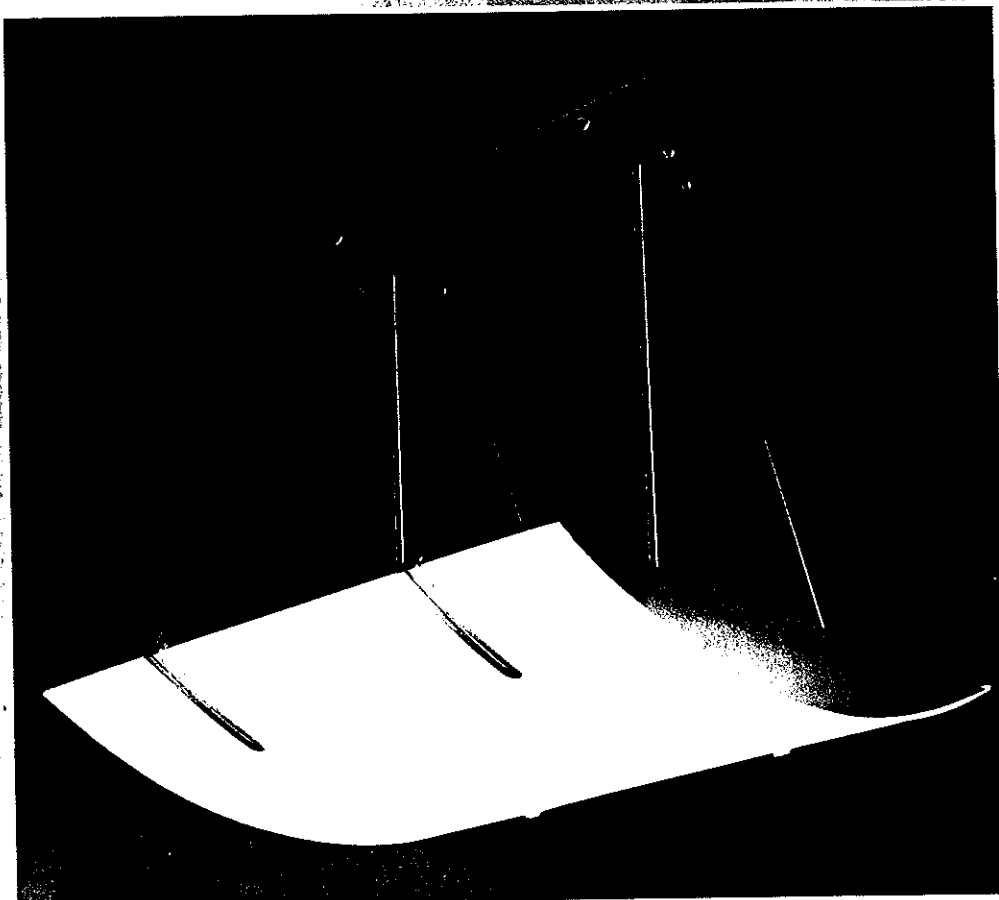


MERCRION: #4833

*Illustra Series Designed
By Key Lite and Floyd Rose*



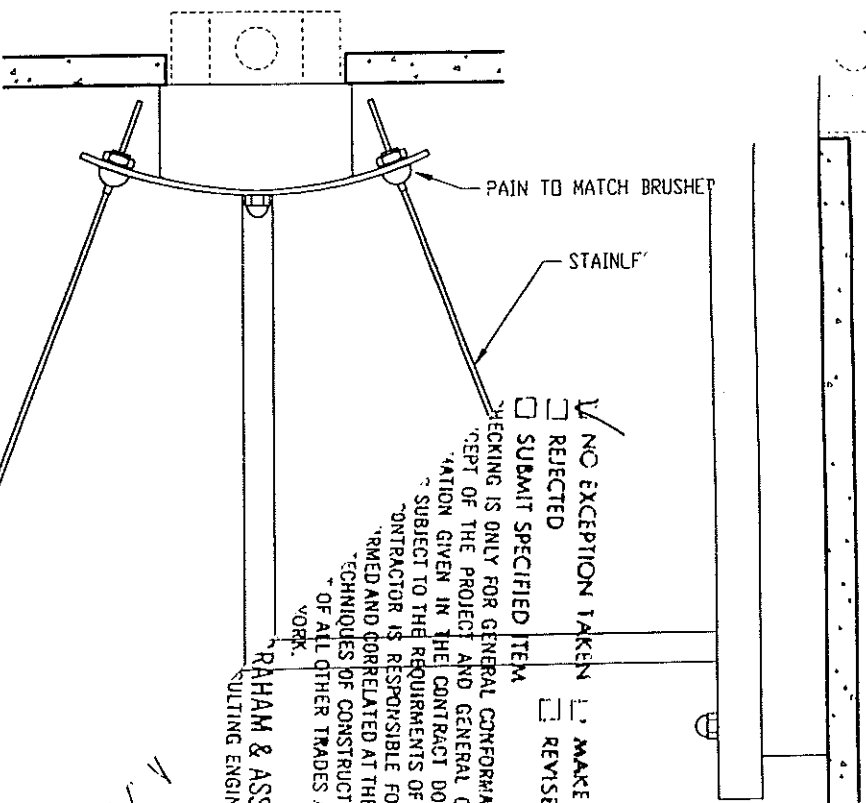
PLUTEE: #4820



URANE: #4810

winona
lighting

NO EXCEPTION TAKEN MAKE CORRECTION NOTED
 REVISE AND RESUBMIT REJECTED
 REVIEWED FOR GENERAL CONFORMITY WITH CONTRACT DOCUMENTS. SUBCONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES, DIMENSIONS, JOINERY, AND COMPLETE COMPLIANCE WITH CONTRACT DOCUMENTS.
ANDERSEN CONSTRUCTION CO., INC.
 BY TMG DATE 7-14-98
 ACCO JOB # 421
 SUBMITTAL # 003 - 16588 P-0

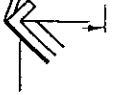


NO EXCEPTION TAKEN MAKE REVISIONS NOTED
 REJECTED REVISE & RESUBMIT
 SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN
 *CEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE
 *ACTION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION
 * SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECI-
 * CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH
 * RMED AND CORRELATED AT THE JOB SITE. FABRICATION
 * TECHNIQUES OF CONSTRUCTION. COORDINATION OF
 * OF ALL OTHER TRADES AND THE SATISFACTORY
 * WORK.

RAHAM & ASSOCIATES, INC.
 CONSULTING ENGINEERS

[Handwritten Signature]



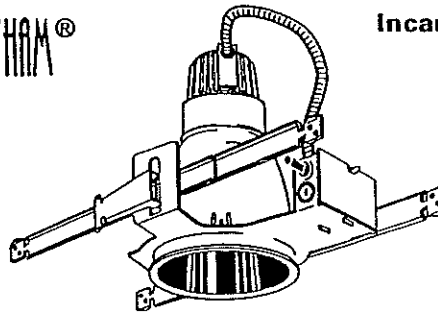
FEATURES

- Die-cast aluminum lampholder housing. Designed for effective heat dissipation and positive light center positioning. Medium base porcelain socket with nickel-plated screw shell.
- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Specular clear Alzak* cone finishing trim. Minimum flange matches cone finish. White painted flange optional.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.
- Thermally-activated insulation detector.
- 16-gauge galvanized steel mounting/plaster frame with friction support springs to retain finishing trim. Maximum 7/8" ceiling thickness.
- Aluminum upper housing.
- Fixtures are UL listed for thru-branch wiring, recessed mounting and damp locations. CSA certification for shipment to Canada.

*Alzak is a registered trademark of ALCOA.

Type _____ Catalog number
 T _____ R6BC-120

GOTHAM®

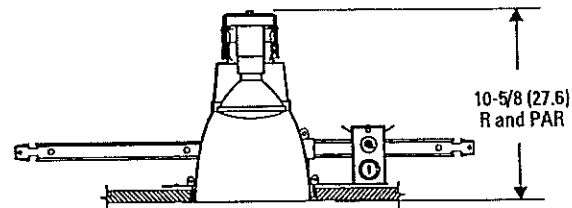


Incandescent Downlights

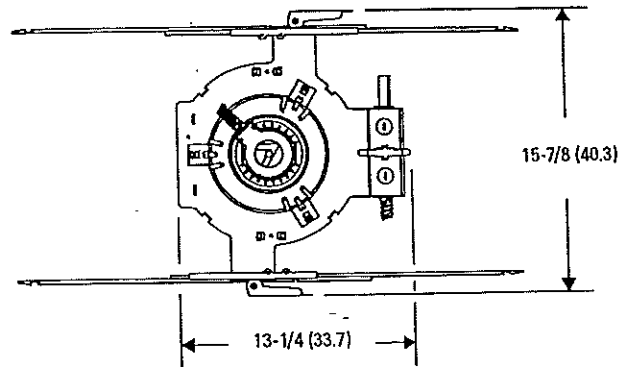
6" R

Open Cone

R or PAR Lamp



Aperture: 6-1/4 (15.9)
 Ceiling opening: 6-7/8 (17.5)
 Overlap trim: 7-1/2 (19.1)

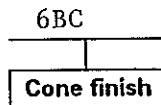
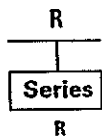


All dimensions are inches (centimeters)

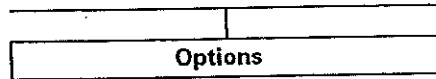
ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Example: **R 6AC**



6AC Clear
6BC Black
6CC Champagne gold
6GC Gold



SDT 277V step-down transformer (277V to 120V).
SSC Provides compatibility with Lithonia Reloc System 820. System 820 can be installed less this option with connectors provided by others.
TRW White painted flange.

Accessories

Order as separate catalog numbers.
SC6 Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SC6 10D.
CTA6 Ceiling thickness adaptor. (Extends mounting frame to accommodate ceiling thickness up to 2".)

Notes:

1. Maximum wattage: 75W PAR30 (Long Neck) lamp; 100W R30 lamp.

Low Voltage Adjustable 75W 12V MR16 Max. 2 7/8" Aperture

Type:

Ordering Information*

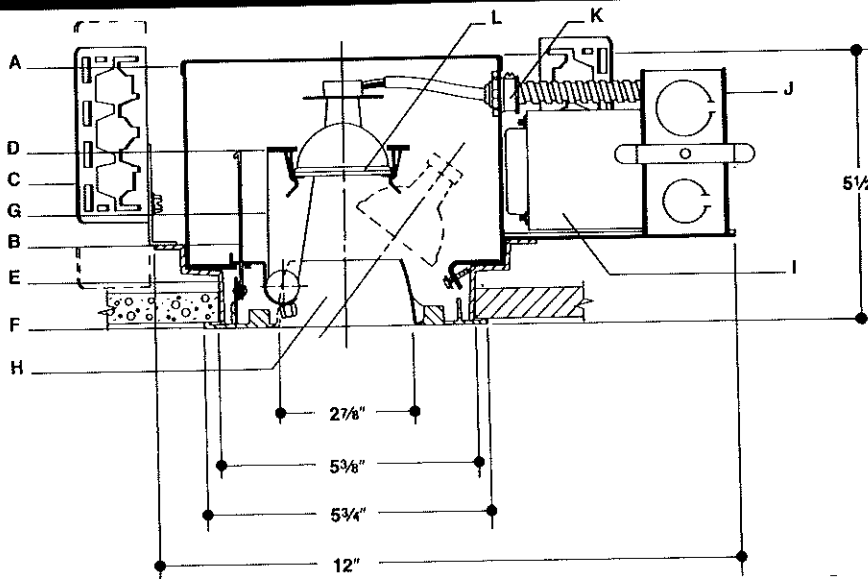


H7463T-7270-C
Clear Specular Reflector

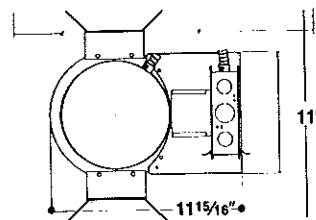
H7463T-7270-G
Gold Specular Reflector

H7463T-7270-B
Black Specular Reflector

Features



- A. Housing** 22 gauge steel, painted matte black. Transformer and junction box are easily serviced through removable access door.
- B. Torsion Springs** Holds trim securely in place, simple trim removal for re-aiming or relamping.
- C. Mounting Brackets** 16GA steel, 5 1/2" vertical adjustment.
- D. Lampholder** Snaps out for easy relamping without tools.
- E. Mounting Frame** Corrosion-free die-cast aluminum. High throat. Accommodates ceiling thicknesses up to 1 1/2".
- F. Trim Ring** Die-cast metal, matte white baked paint finish.
- G. Lampholder Support** Exclusive easy-adjust, lockable pivot is mounted on rotating spin-ring. Permits 40° aiming adjustment from vertical, 358° rotation. Aiming angle and rotation can be locked with 5/16" hex socket.
- H. Reflector** Specular Alzak® aluminum, .040" thickness.
- I. Transformer** 12V magnetic transformer.
- J. Junction Box** U.L. listed for through-branch wiring. Positioned to allow straight conduit runs. Knockouts for 1/2" to 3/4" conduit.
- K. Conduit Fittings** Die-cast screw-tight connector.
- L. Safety Lens** Borosilicate glass.



Notes

Recessed adjustable accent light for 50W and 75W MR16 lamps. Specular reflector aperture available in 3 finishes. Produces highly efficient controlled light beam which can be aimed up to 40° from vertical and rotated 358°. 3050°K color temperature plus full-color spectrum and low heat, low u.v. cool beam of MR16 quartz source makes this unit particularly effective in lighting fine art and other displays where true color rendition is important.

Electrical: Magnetic low-voltage transformer steps 120V input down to lamp operating voltage. Porcelain two-pin socket. Prewired to junction box. U.L. listed for through-branch wiring.

Installation: 5 3/8" diameter ceiling opening required.

Lamps: 12V Q50 MR16 (Available in narrow spot Q75 MR16) Through flood beam spreads.

Labels: U.L. listed. Suitable for damp locations.

*Ordering Information:

T = Thermal Protection
C = Clear Reflector Trim
G = Gold Reflector Trim
B = Black Reflector Trim

To specify complete fixture, include both housing and trim numbers.

Accessories: L110 Spread Lens, L111 Soft Focus Lens, L112 Red Filter, L113 Diffuser Lens, L115 Linear Lens, L130 Yellow Filter, L131 Amber Filter.

H-277 Step Down Transformer (150 VA Max.)

Low Voltage Adjustable 75W 12V MR16 Max. 2 7/8" Aperture

Type:

Ordering Information*



H7463T-7270-C
Clear Specular Reflector

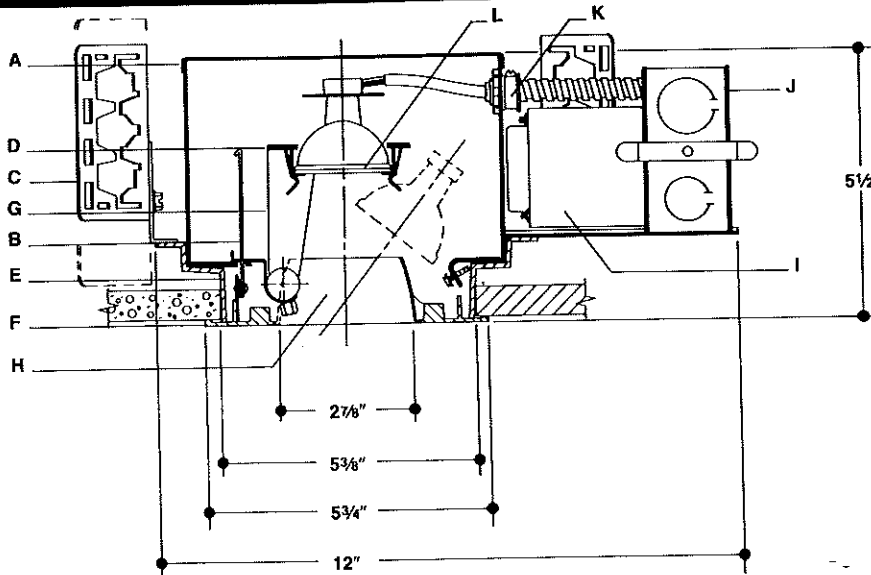


H7463T-7270-G
Gold Specular Reflector

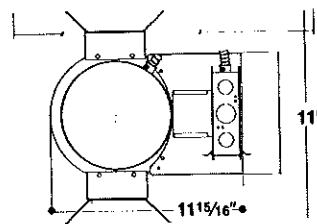


H7463T-7270-B
Black Specular Reflector

Features



- A. Housing** 22 gauge steel, painted matte black. Transformer and junction box are easily serviced through removable access door.
- B. Torsion Springs** Holds trim securely in place, simple trim removal for re-aiming or relamping.
- C. Mounting Brackets** 16GA steel, 5 1/2" vertical adjustment.
- D. Lampholder** Snaps out for easy relamping without tools.
- E. Mounting Frame** Corrosion-free die-cast aluminum. High throat. Accommodates ceiling thicknesses up to 1 1/2".
- F. Trim Ring** Die-cast metal, matte white baked paint finish.
- G. Lampholder Support** Exclusive easy-adjust, lockable pivot is mounted on rotating spin-ring. Permits 40° aiming adjustment from vertical, 358° rotation. Aiming angle and rotation can be locked with 5/16" hex socket.
- H. Reflector** Specular Alzak® aluminum, .040" thickness.
- I. Transformer** 12V magnetic transformer.
- J. Junction Box** U.L. listed for through-branch wiring. Positioned to allow straight conduit runs. Knockouts for 1/2" to 3/4" conduit.
- K. Conduit Fittings** Die-cast screw-tight connector.
- L. Safety Lens** Borosilicate glass.



Notes

Recessed adjustable accent light for 50W and 75W MR16 lamps. Specular reflector aperture available in 3 finishes. Produces highly efficient controlled light beam which can be aimed up to 40° from vertical and rotated 358°. 3050°K color temperature plus full-color spectrum and low heat, low u.v. cool beam of MR16 quartz source makes this unit particularly effective in lighting fine art and other displays where true color rendition is important.

Electrical: Magnetic low-voltage transformer steps 120V input down to lamp operating voltage. Porcelain two-pin socket. Prewired to junction box. U.L. listed for through-branch wiring.

Installation: 5 3/8" diameter ceiling opening required.

Lamps: 12V Q50 MR16 (Available in narrow spot Q75 MR16) Through flood beam spreads.

Labels: U.L. listed. Suitable for damp locations.

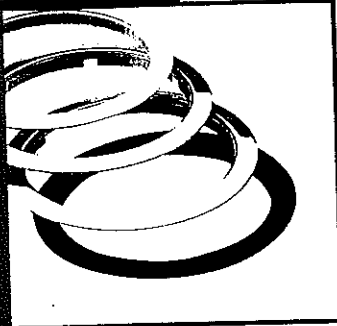
*Ordering Information:

T = Thermal Protection
C = Clear Reflector Trim
G = Gold Reflector Trim
B = Black Reflector Trim
 To specify complete fixture, include both housing and trim numbers.

Accessories: L110 Spread Lens, L111 Soft Focus Lens, L112 Red Filter, L113 Diffuser Lens, L115 Linear Lens, L130 Yellow Filter, L131 Amber Filter.

H-277 Step Down Transformer (150 VA Max.)

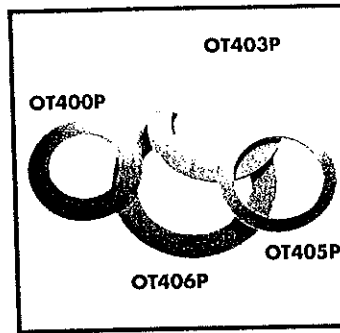
SPECIAL PRODUCTS AND ACCESSORIES



Designer Finish Trim Rings

Metal 7 1/4" OD. May be substituted for 7 1/4" plastic trim rings.

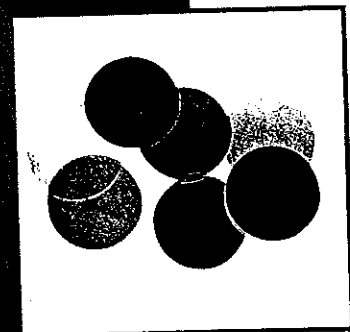
- TRM6-B Brass
- TRM6-C Chrome
- TRM6-MB Black
- TRM6-P White



Oversized Trim Rings

For use when ceiling opening is cut too large.

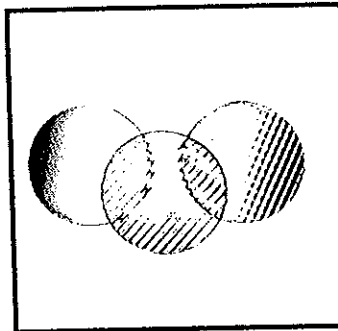
- OT400P Metal: 6" ID, 9 5/16" OD
H7 trims except 304
- OT403P Metal: 6" ID, 8" OD
H7 trims except 304
- OT405P Metal: 4 5/8" ID, 8" OD
For 304
- OT460P Metal: 7 1/2" ID,
11 5/16" OD. For 466,
468 and 480 trims
- TRP7MB Plastic: 7" OD



Dichroic Color Filters

For low voltage, MR16 units.

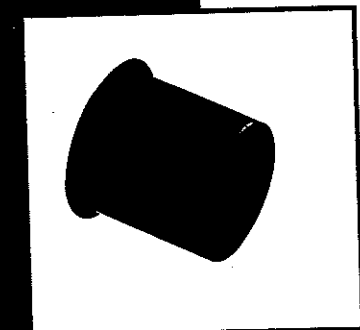
- L120 Red
- L121 Amber
- L122 Yellow
- L123 Green
- L124 Daylight
- L125 Blue
- L127 Cosmetic Color Filters
- L112 Red
- L130 Yellow
- L131 Amber



Optical Lenses

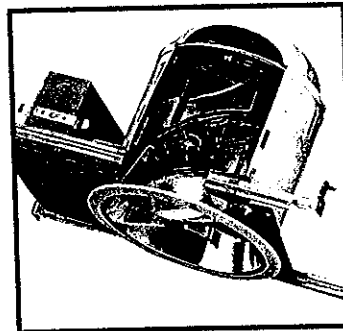
For low voltage, MR16 units.

- L110 Spread Lens
- L111 Soft Focus Lens
- L113 Diffuse Spread Lens
- L114 UV Filter
- L115 Linear Spread Lens



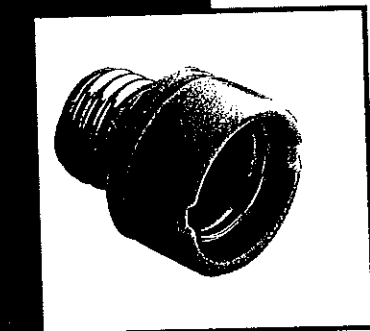
L200

Accessory Baffle
Used to reduce spill light and direct light from MR16 lamp trims.



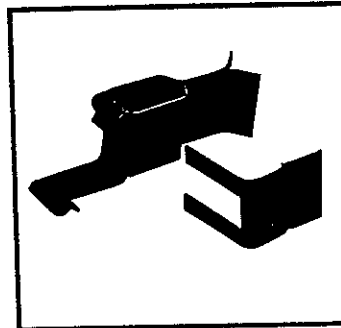
H930

R Lamp Accessory
R/PAR lamp aiming accessory for H7 housing with 310 and 426 trims. Allows lamp to be aimed up to 30° from vertical and rotated 358°.



H1999

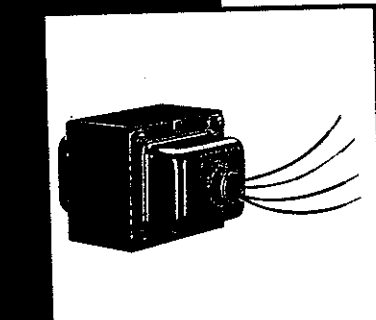
Socket Extender
Allows use of 50W R20 lamp with H99ICT-993 and 401 with H7UICT.



Mounting Clips

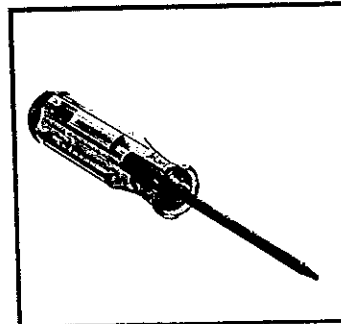
TB-7
T-Bar attachment clips for use with suspended ceiling systems—set of four. Order one set per fixture. Use with HB77 and HB2-24 bar hangers.

RK-7
Mounting clips for remodeling applications of H7 and H27. Set of four. Order one set per fixture.



H277

Transformer
Steps 277V line voltage down to 120V fixture operating voltage. Secures to 1/2" junction box knockout.



SD 2925

Screwdriver
Screwdriver for tamper resistant screws supplied with H2925 and H2926 brick lights.

Halo

H7463T-7270

Low Voltage Adjustable
75W 12V MR16 Max.
2 7/8" Aperture

Type:

Ordering Information*



H7463T-7270-C
Clear Specular Reflector

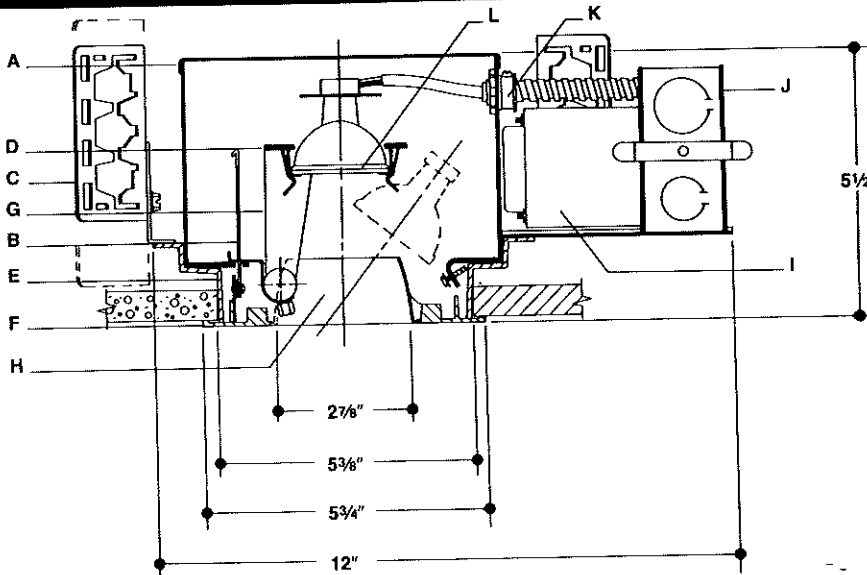


H7463T-7270-G
Gold Specular Reflector

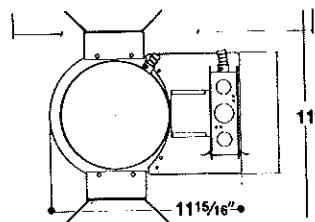


H7463T-7270-B
Black Specular Reflector

Features



- A. Housing** 22 gauge steel, painted matte black. Transformer and junction box are easily serviced through removable access door.
- B. Torsion Springs** Holds trim securely in place, simple trim removal for re-aiming or relamping.
- C. Mounting Brackets** 16GA steel, 5 1/2" vertical adjustment.
- D. Lampholder** Snaps out for easy relamping without tools.
- E. Mounting Frame** Corrosion-free die-cast aluminum. High throat. Accommodates ceiling thicknesses up to 1 1/2".
- F. Trim Ring** Die-cast metal, matte white baked paint finish.
- G. Lampholder Support** Exclusive easy-adjust, lockable pivot is mounted on rotating spin-ring. Permits 40° aiming adjustment from vertical, 358° rotation. Aiming angle and rotation can be locked with 5/16" hex socket.
- H. Reflector** Specular Alzak® aluminum, .040" thickness.
- I. Transformer** 12V magnetic transformer.
- J. Junction Box** U.L. listed for through-branch wiring. Positioned to allow straight conduit runs. Knockouts for 1/2" to 3/4" conduit.
- K. Conduit Fittings** Die-cast screw-light connector.
- L. Safety Lens** Borosilicate glass.



Notes

Recessed adjustable accent light for 50W and 75W MR16 lamps. Specular reflector aperture available in 3 finishes. Produces highly efficient controlled light beam which can be aimed up to 40° from vertical and rotated 358°. 3050°K color temperature plus full-color spectrum and low heat, low u.v. cool beam of MR16 quartz source makes this unit particularly effective in lighting fine art and other displays where true color rendition is important.

Electrical: Magnetic low-voltage transformer steps 120V input down to lamp operating voltage. Porcelain two-pin socket. Prewired to junction box. U.L. listed for through-branch wiring.

Installation: 5 3/8" diameter ceiling opening required.

Lamps: 12V Q50 MR16 (Available in narrow spot Q75 MR16) Through flood beam spreads.

Labels: U.L. listed. Suitable for damp locations.

*Ordering Information:

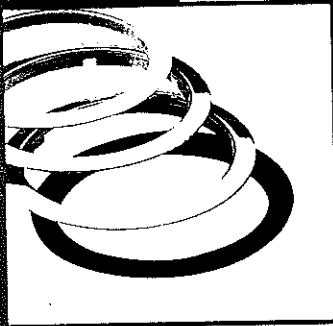
T = Thermal Protection
C = Clear Reflector Trim
G = Gold Reflector Trim
B = Black Reflector Trim
To specify complete fixture, include both housing and trim numbers.

Accessories: L110 Spread Lens, L111 Soft Focus Lens, L112 Red Filter, L113 Diffuser Lens, L115 Linear Lens, L130 Yellow Filter, L131 Amber Filter.

H-277 Step Down Transformer (150 VA Max.)

TYPE T3

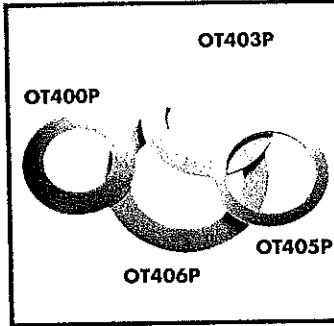
SPECIAL PRODUCTS AND ACCESSORIES



Designer Finish Trim Rings

Metal 7 1/4" OD. May be substituted for 7 1/4" plastic trim rings.

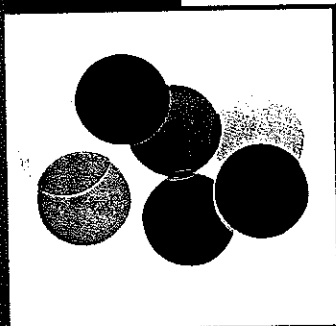
- TRM6-B** Brass
- TRM6-C** Chrome
- TRM6-MB** Black
- TRM6-P** White



Oversized Trim Rings

For use when ceiling opening is cut too large.

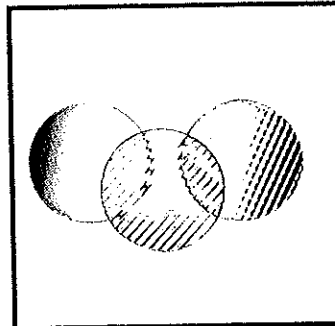
- OT400P** Metal: 6" ID, 9 5/16" OD
H7 trims except 304
- OT403P** Metal: 6" ID, 8" OD
H7 trims except 304
- OT405P** Metal: 4 5/8" ID, 8" OD
For 304
- OT460P** Metal: 7 1/2" ID,
11 5/16" OD. For 466,
46B and 480 trims
- TRP7MB** Plastic: 7" OD



Dichroic Color Filters

For low voltage, MR16 units.

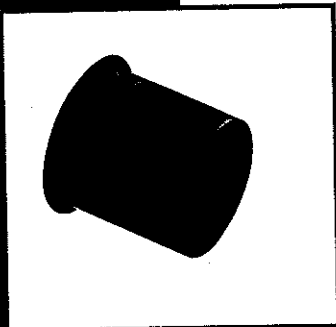
- L120** Red
- L121** Amber
- L122** Yellow
- L123** Green
- L124** Daylight
- L125** Blue
- L127** Cosmetic Color Filters
- L112** Red
- L130** Yellow
- L131** Amber



Optical Lenses

For low voltage, MR16 units.

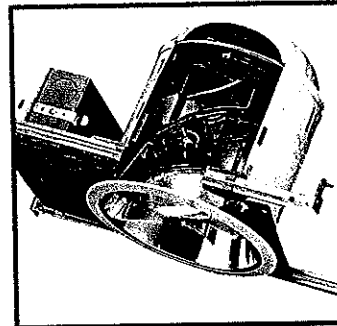
- L110** Spread Lens
- L111** Soft Focus Lens
- L113** Diffuse Spread Lens
- L114** UV Filter
- L115** Linear Spread Lens



L200

Accessory Baffle

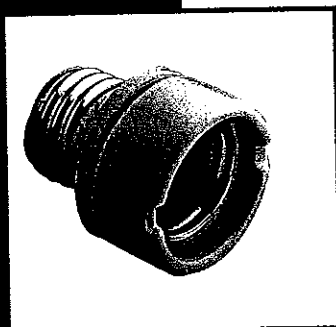
Used to reduce spill light and direct light from MR16 lamp trims.



H930

R Lamp Accessory

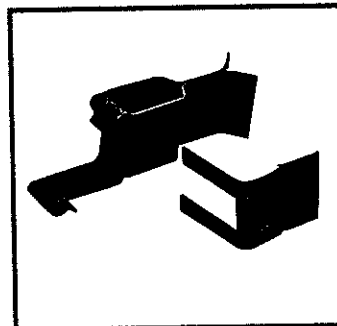
R/Par lamp aiming accessory for H7 housing with 310 and 426 trims. Allows lamp to be aimed up to 30° from vertical and rotated 358°.



H1999

Socket Extender

Allows use of 50W R20 lamp with H99ICT-993 and 401 with H7UIC.



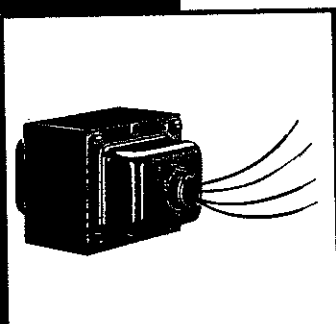
Mounting Clips

TB-7

T-Bar attachment clips for use with suspended ceiling systems—set of four. Order one set per fixture. Use with HB77 and HB2-24 bar hangers.

RK-7

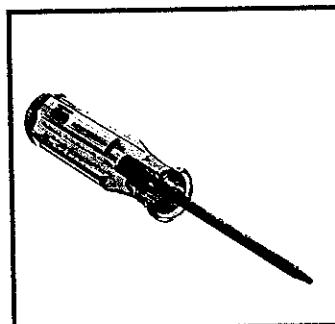
Mounting clips for remodeling applications of H7 and H27. Set of four. Order one set per fixture.



H277

Transformer

Steps 277V line voltage down to 120V fixture operating voltage. Secures to 1/2" junction box knockout.



SD 2925

Screwdriver

Screwdriver for tamper resistant screws supplied with H2925 and H2926 brick lights.

Low Voltage Adjustable
75W 12V MR16 Max.
2 7/8" Aperture

Type:

Ordering Information*



H7463T-7270-C
Clear Specular Reflector

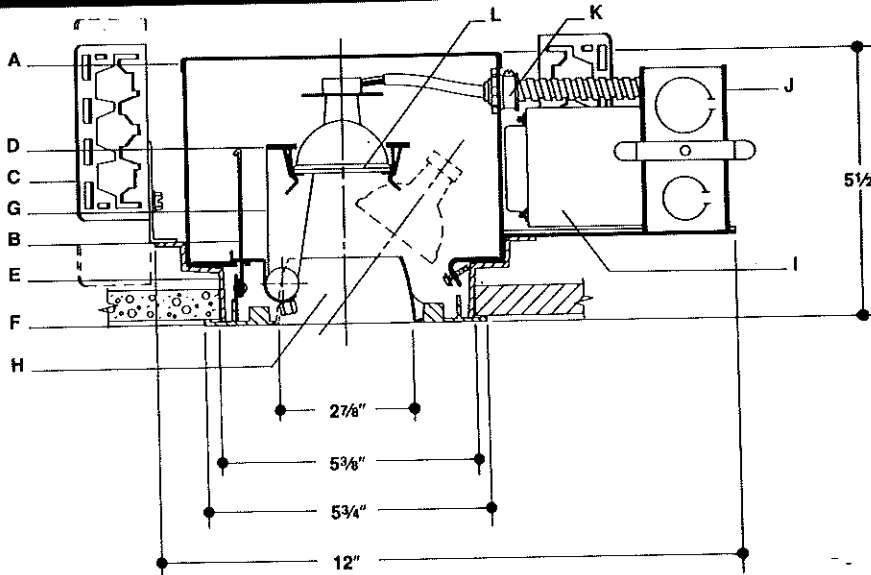


H7463T-7270-G
Gold Specular Reflector

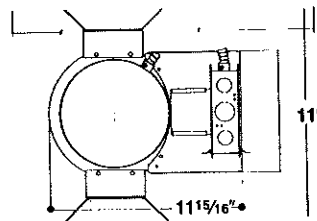


H7463T-7270-B
Black Specular Reflector

Features



- A. Housing** 22 gauge steel, painted matte black. Transformer and junction box are easily serviced through removable access door.
- B. Torsion Springs** Holds trim securely in place, simple trim removal for re-aiming or relamping.
- C. Mounting Brackets** 16GA steel, 5 1/2" vertical adjustment.
- D. Lampholder** Snaps out for easy relamping without tools.
- E. Mounting Frame** Corrosion-free die-cast aluminum. High throat. Accommodates ceiling thicknesses up to 1 1/2".
- F. Trim Ring** Die-cast metal, matte white baked paint finish.
- G. Lampholder Support** Exclusive easy-adjust, lockable pivot is mounted on rotating spin-ring. Permits 40° aiming adjustment from vertical, 358° rotation. Aiming angle and rotation can be locked with 5/16" hex socket.
- H. Reflector** Specular Alzak® aluminum, .040" thickness.
- I. Transformer** 12V magnetic transformer.
- J. Junction Box** U.L. listed for through-branch wiring. Positioned to allow straight conduit runs. Knockouts for 1/2" to 3/4" conduit.
- K. Conduit Fittings** Die-cast screw-tight connector.
- L. Safety Lens** Borosilicate glass.



Notes

Recessed adjustable accent light for 50W and 75W MR16 lamps. Specular reflector aperture available in 3 finishes. Produces highly efficient controlled light beam which can be aimed up to 40° from vertical and rotated 358°. 3050°K color temperature plus full-color spectrum and low heat, low l.v. cool beam of MR16 quartz source makes this unit particularly effective in lighting fine art and other displays where true color rendition is important.

Electrical: Magnetic low-voltage transformer steps 120V input down to lamp operating voltage. Porcelain two-pin socket. Prewired to junction box. U.L. listed for through-branch wiring

Installation: 5 3/8" diameter ceiling opening required.

Lamps: 12V Q50 MR16 (Available in narrow spot Q75 MR16) Through flood beam spreads.

Labels: U.L. listed. Suitable for damp locations.

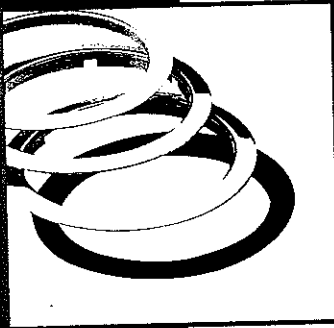
*Ordering Information:

T = Thermal Protection
C = Clear Reflector Trim
G = Gold Reflector Trim
B = Black Reflector Trim
To specify complete fixture, include both housing and trim numbers.

Accessories: L110 Spread Lens, L111 Soft Focus Lens, L112 Red Filter, L113 Diffuser Lens, L115 Linear Lens, L130 Yellow Filter, L131 Amber Filter.

H-277 Step Down Transformer (150 VA Max.)

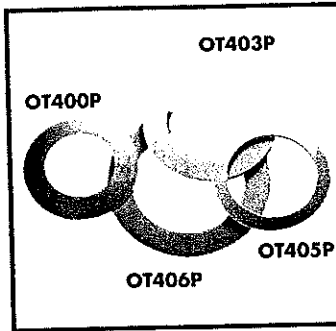
SPECIAL PRODUCTS AND ACCESSORIES



Designer Finish Trim Rings

Metal 7 1/4" OD. May be substituted for 7 1/4" plastic trim rings.

- TRM6-B Brass
- TRM6-C Chrome
- TRM6-MB Black
- TRM6-P White



Oversized Trim Rings

For use when ceiling opening is cut too large.

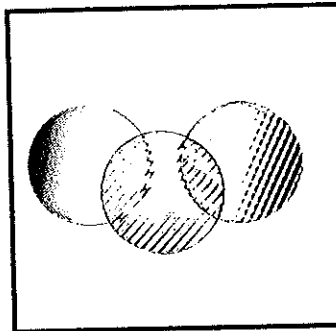
- OT400P Metal: 6" ID, 9 5/16" OD
H7 trims except 304
- OT403P Metal: 6" ID, 8" OD
H7 trims except 304
- OT405P Metal: 4 5/8" ID, 8" OD
For 304
- OT460P Metal: 7 1/2" ID,
11 5/16" OD. For 466,
468 and 480 trims
- TRP7MB Plastic: 7" OD



Dichroic Color Filters

For low voltage, MR16 units.

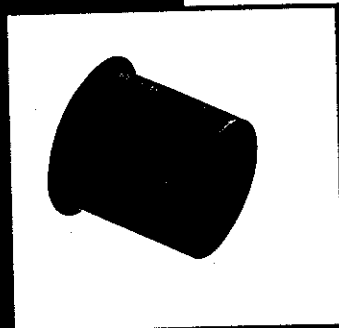
- L120 Red
- L121 Amber
- L122 Yellow
- L123 Green
- L124 Daylight
- L125 Blue
- L127 Cosmetic Color Filters
- L112 Red
- L130 Yellow
- L131 Amber



Optical Lenses

For low voltage, MR16 units.

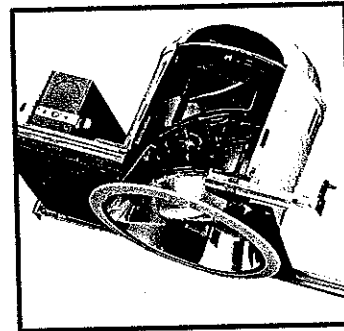
- L110 Spread Lens
- L111 Soft Focus Lens
- L113 Diffuse Spread Lens
- L114 UV Filter
- L115 Linear Spread Lens



L200

Accessory Baffle

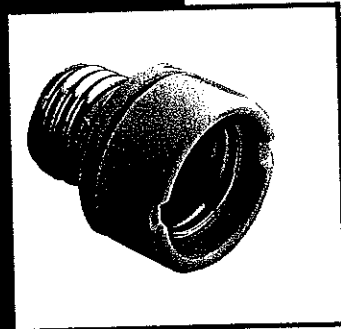
Used to reduce spill light and direct light from MR16 lamp trims.



H930

R Lamp Accessory

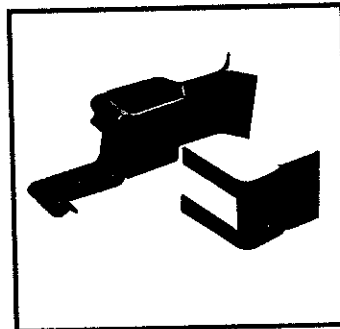
R/PAR lamp aiming accessory for H7 housing with 310 and 426 trims. Allows lamp to be aimed up to 30° from vertical and rotated 358°.



H1999

Socket Extender

Allows use of 50W R20 lamp with H991CT-993 and 401 with H7U1CT.



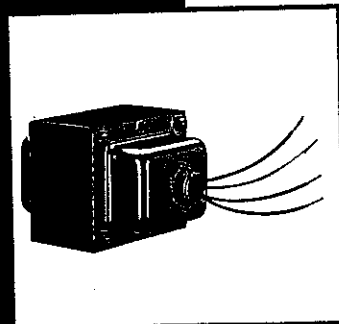
Mounting Clips

TB-7

T-Bar attachment clips for use with suspended ceiling systems—set of four. Order one set per fixture. Use with HB77 and HB2-24 bar hangers.

RK-7

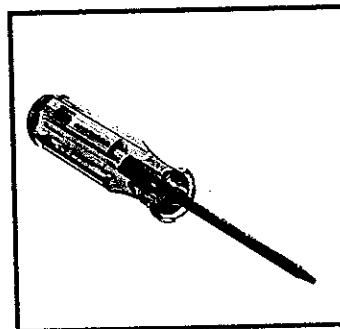
Mounting clips for remodeling applications of H7 and H27. Set of four. Order one set per fixture.



H277

Transformer

Steps 277V line voltage down to 120V fixture operating voltage. Secures to 1/2" junction box knockout.



SD 2925

Screwdriver

Screwdriver for tamper resistant screws supplied with H2925 and H2926 brick lights.

Special Purpose Devices

Lampholders, Surfex®



272



282



201



8672

Porcelain Lampholders

One-Piece with Plastic Pull and Long Cord for 3-1/4" and 4" Boxes

Rating		Description	Catalog Number
W.	V.		
250	250	Pullchain - 2 Terminals	282
250	250	Pullchain - 4 Terminals	284

Pull, with Receptacle

Rating		Description	Catalog Number
W.	V.		
250	125	Pullchain, 2 Terminals with 15A. - 125V. Grounding Outlet	288

One-Piece Keyless for 3-1/4" and 4" Boxes

660	250	Keyless, 2 Terminals	272
660	250	Keyless, 4 Terminals	274

Phenolic Lampholders

Rating		Description	Catalog Number
W.	V.		
660	250	Keyless Lampholder, White	276-WH

Pullchain

250	250	Pullchain Lampholder, Brown	280-BR
250	250	Pullchain Lampholder, White	280-WH

Plastic Pin Type Lampholders

660	250	Medium Base with Hook	43308
660	250	Intermediate Base without Hook	44408
660	250	Rubber, Keyless, Weatherproof Lampholder	201

Surfex®

For Surface Wiring with Non-Metallic Cable

Rating		Description	Catalog Number
A.	V.		
10	125T	AC-DC Single Pole Switch	8661
5	250	AC-DC 3 Way Switch	8663
15	125	Duplex Receptacle Parallel Slots, 2-Wire	8670
15	125	Duplex Receptacle 2-Pole 3-Wire	8672

Lampholders

Rating		Description	Catalog Number
W.	V.		
660	250	Keyless	8666
250	250	Pull, Short Chain, Long Cord	8667

Junction Box

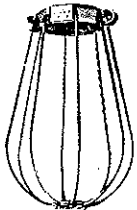
With K.O. removed can be used as a rosette		8669
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Compliance

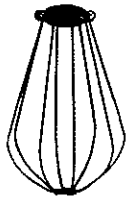
UTILITY LIGHTING, LAMP PROTECTION, AND LAMP CHANGERS

McGILL®
ELECTRICAL DIVISION

Wire Lamp Guards



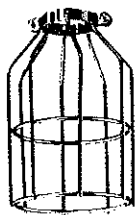
2200-2200-A



V-2100

Wire lamp guards with universal collars help prevent breakage and theft. A wide variety of types and sizes are available to fit your diverse needs. Heavy-duty, 12-gauge, zinc-plated construction ensures long life.

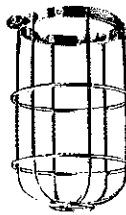
- Meets OSHA requirements
- Easy to install
- Vinyl coated available
- Rust resistant zinc plating with chromate finish
- Clamp type guards for vapor-tight fixtures available
- Spot welded steel wire ensures long life



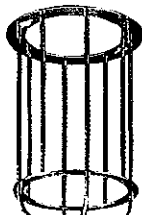
1433



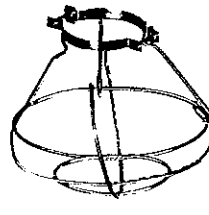
V-1433



1435-6



1438



1438-1

Wire Lamp Guards

	Cat. No. For 100 watt bulb	Cat. No. For 200 watt bulb
GRIPON® guards w/o reflectors	2100-2100-A	2200-2200-A
Vinyl coated GRIPON guards w/o reflectors	V-2100	V-2200
PROTECTOR "O"® guards; open bottom heavy-duty	1433	1434
Vinyl coated PROTECTOR "O" guards	V-1433	V-1434
Trap only to close bottom of 1433, 1434	2932	2933
Closed bottom wall and receptacle lamp guards	1438	—
Cage for Levolier utility light*	1435-6	—
LOXON® guards for PAR and R type lamps**	1438-1	—
Guards for vapor-tight fixtures	1435-1	1435-3†

* Suitable for glass globe only.

** Specify Cat. No. 3177 when ordering keys for 1438-1.

† 300 watt type PS25 lamp only.

Grounding Kits for Wire Lamp Guards

To ensure that your lamps are grounded, and comply with NEC and OSHA requirements, the McGill grounding kit supplies a metal fastener and 12" wire to connect wire lamp guards to a grounding circuit.

- Meets OSHA requirements
- Meets NEC requirements

Grounding Kits for Wire Lamp Guards

	Cat. No.
Grounding kit	9995

FEATURES

HOUSING

- Precision-molded, die-cast aluminum construction — ultra-slim, compact housing. Fine-grain brushed aluminum faceplate with matte black electrostatic polymeric trim. Clear lacquer finish on brushed face inhibits fingerprints and other surface contaminants.
- Fully overlapping light seal prevents light leaks. Universal directional chevron knockouts are completely concealed and easily removed.
- Hinged faceplate and spring latches for easy lamp compartment access.
- Letters 6" high with 3/4" stroke.
- Can easily be used as a remote from master Signature LED sign. Order a Master/Remote Kit (see EX-546 and EX-547 for ordering information).

LAMPS

- Lamp is constructed using new LED technology. Provides perfectly uniform illumination to meet 3/4" letter stroke required by code. Optional, economical non-diffuse design available.
- LED life exceeds 25 years, based on continuous operation. Single-face exit uses one lamp; double-face exit uses two lamps.
- Low energy consumption — red lamp consumes 2.3 watts (120V); green lamp consumes 6.5 watts (120V).

MOUNTING

- Universal mounting (top, end or back). Completely concealed, easily removed mounting knockouts. No exposed hardware.
- Small canopy provided for top or end mounting (not required for back mounting).

CODES

- UL-listed. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards, and state of Minnesota energy-efficient legislation requiring less than 20W consumption. CSA certified (see options).

WARRANTY

- Five-year total customer satisfaction warranty on exit, including lamp. See Product Selection Guide for details.

Type	Catalog number
X1	LE-S-1-R-120/277

Die-Cast Aluminum Exits

LE

LED Lamps



Signature

ORDERING INFORMATION

Example: LE S 1 R 120/277 TP

LE	S		1	R	120/277	
Family	Face type	Housing color	Number of faces	Panel color	Input voltage	Options
LE LED	S Stencil	(blank) Brushed aluminum W White B Black BZ Bronze	1 Single face 2 Double face	R Red G Green	120/277 Dual voltage 120/347 Dual voltage	ND Non-diffuse double-row LED design TP Two tamperproof torx head screws VR Vandal-resistant shield (1/8" thick polycarbonate) FI Fire alarm flashing interface X2 Lamp wired on two separate circuits CSA CSA-labeled for US shipment to Canada (120/347 only) DL UL-listed for damp locations

Accessories

Order as separate item
ELA FAIR Fire alarm flashing interface (field-installable)

FEATURES

HOUSING

- Precision-molded, die-cast aluminum construction — ultra-slim, compact housing. Fine-grain brushed aluminum faceplate with matte black electrostatic polymeric trim. Clear lacquer finish on brushed face inhibits fingerprints and other surface contaminants.
- Fully overlapping light seal prevents light leaks. Universal directional chevron knockouts are completely concealed and easily removed.
- Hinged faceplate and spring latches for easy lamp compartment access.
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- Can easily be used as a remote from master Signature LED sign. Order a Master/Remote Kit (see EX-546 and EX-547 for ordering information).

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- LED life exceeds 25 years, based on continuous operation. Single-face exit uses one lamp; double-face exit uses two lamps.
- Low energy consumption — red lamp consumes 2.3 watts (120V); green lamp consumes 6.5 watts (120V).

MOUNTING

- Universal mounting (top, end or back). Completely concealed, easily removed mounting knockouts. No exposed hardware.
- Small canopy provided for top or end mounting (not required for back mounting).

CODES

- UL-listed. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards, and state of Minnesota energy-efficient legislation requiring less than 20W consumption. CSA certified (see options).

WARRANTY

- Five-year total customer satisfaction warranty on exit, including lamp. See Product Selection Guide for details.

Type

X2

Catalog number

LE-S-2-R-120/277

Die-Cast Aluminum Exits

LE

LED Lamps



Signature

ORDERING INFORMATION

Example: LE S 1 R 120/277 TP

LE	S		2	R	120/277	
Family	Face type	Housing color	Number of faces	Panel color	Input voltage	Options
LE LED	S Stencil	(blank) Brushed aluminum W White B Black BZ Bronze	1 Single face 2 Double face	R Red G Green	120/277 Dual voltage 120/347 Dual voltage	ND Non-diffuse double-row LED design TP Two tamperproof torx head screws VR Vandal-resistant shield (1/8" thick polycarbonate) FI Fire alarm flashing interface X2 Lamp wired on two separate circuits CSA CSA-labeled for US shipment to Canada (120/347 only) DL UL-listed for damp locations

Accessories

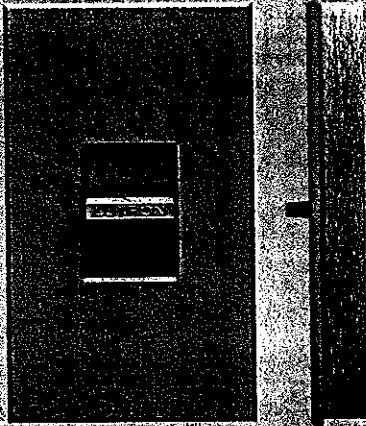
Order as separate item
ELA FAIR Fire alarm flashing interface (field-installable)

NOVA Controls

The contractor's choice in rugged, linear slide dimmers.

Select light level with slider

Slide down to off



Slide-to-off dimmer

- 25 years of proven reliability
- Full family of products for all lighting sources
- For demanding applications up to 2000 watts
- Fan-speed controls—6A and 12A models
- Heavy duty components for surge protection and long product life


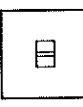
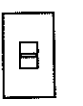


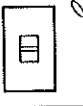





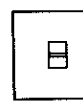


Preset dimmer



Switch, Fan-speed control

DIMMERS

Product	Description	Maximum Capacity ¹	Model #
Incandescent			
 Slide-to-off	single pole single pole	600W 1000W	N-600- N-1000-
	single pole single pole	1500W 2000W	N-1500- N-2000-
	Preset single pole/3-way single pole/3-way (use with N-3PS and N-4PS switches for 3-way or 4-way switching)	600W 1000W	N-603P- N-1003P-
	single pole/3-way single pole/3-way (use with N-3PS and N-4PS switches for 3-way or 4-way switching)	1500W 2000W	N-1503P- N-2003P-
Electronic Low-Voltage			
 Slide-to-off	single pole	450W	NELV-450-
			
Magnetic Low-Voltage/Neon Cold Cathode			
 Slide-to-off	single pole	600VA (450W)	NLV-600-
			
	single pole single pole	1000VA (800W) 1500VA (1200W)	NLV-1000- NLV-1500-
Magnetic Low-Voltage			
 Preset	single pole/ 3-way single pole/ 3-way (use with N-3PS and N-4PS switches for 3-way or 4-way switching)	600VA (450W) 1000VA (800W)	NLV-603P- NLV-1003P-
			
	single pole/ 3-way single pole/ 3-way (use with N-3PS and N-4PS switches for 3-way or 4-way switching)	1500VA (1200W) 2000VA (1600W)	NLV-1503P- NLV-2003P-

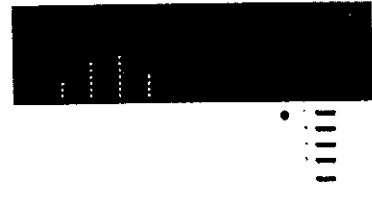
...with New GRAFIK Eye® 2000 Series Dimming Controls

GRAFIK Eye does it better than individual dimmers and switches!

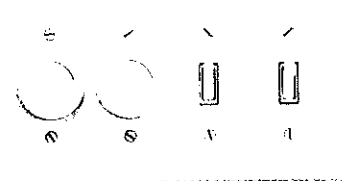
New GRAFIK Eye® 2000 Series multi-scene preset dimming controls let you command room lighting to create different visual environments (called scenes) for recall at the touch of a button. They bring drama and sophistication to room lighting, and end the guesswork required with separate dimmers and switches to get your lighting "just right".

Sophisticated technology that's easy to install, simple to use.

GRAFIK Eye 2000 Series Controls install easily in standard wallboxes. They arrive factory preset with scenes at 25%, 50%, 75% and 100% light levels. Raise/lower buttons under the hinged cover allow you to change these light levels, to create and recall your own custom preset scenes for different moods and room activities.



GRAFIK Eye easily replaces traditional dimmers and switches.



Upgrade to GRAFIK Eye from Lutron

For Residential and Commercial Applications



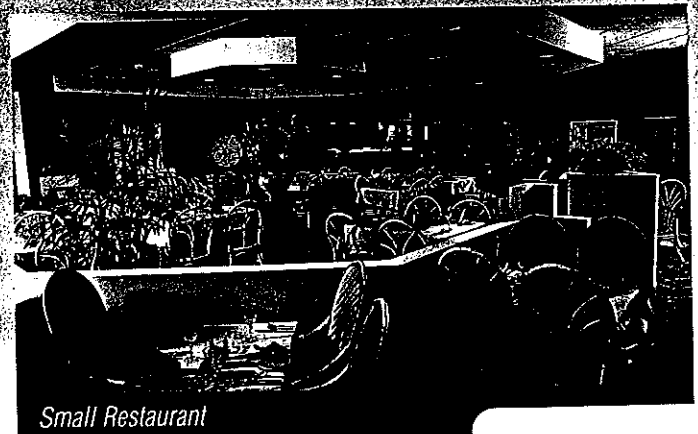
Master Bedroom



Conference Room



Media Room

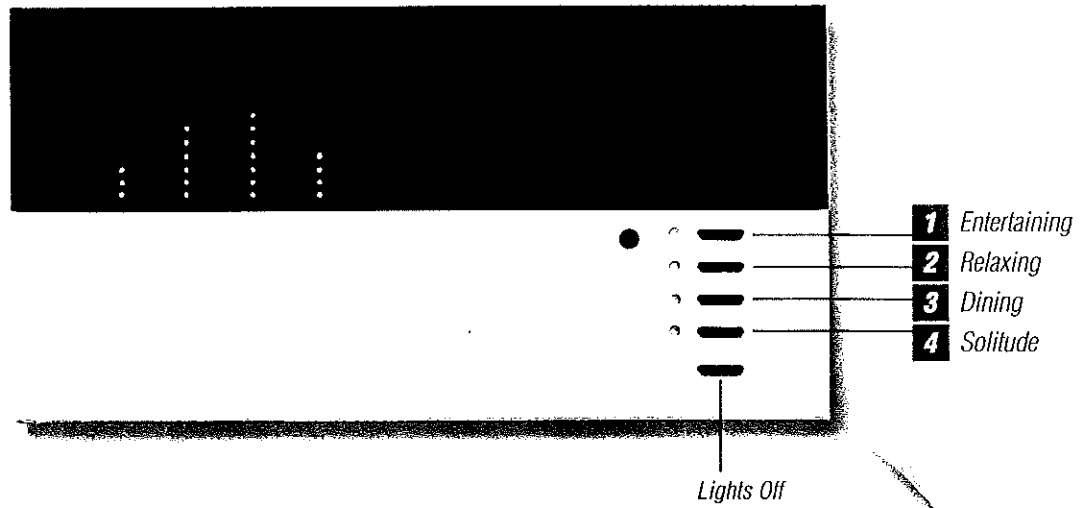


Small Restaurant

GRAFIK Eye

NEW Multi-Scene Preset Dimming Controls

MODELS 2100, 2500 & 2750



Change the lighting/change the mood at the touch of a button.



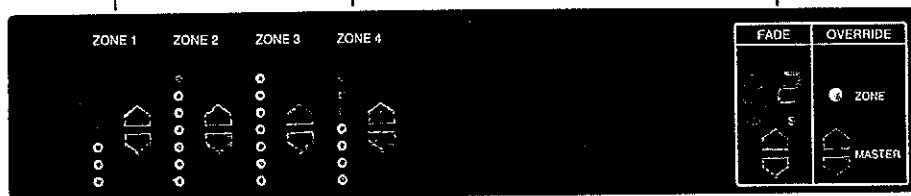
GRAFIK Eye®

Preset Dimming Controls

Versatile lighting control with exciting features for single rooms or large spaces

Zones
Raise/lower buttons control dimmers for each group of lights (zones). LEDs display incremental intensities. Presets are saved automatically.

Fade
Buttons set time intervals for light levels to change between scenes from immediate (0 Seconds) to virtually imperceptible (60 Minutes).



Override
Press MASTER to temporarily raise or lower light levels of a complete scene. Use ZONE to temporarily raise/lower a particular zone (displayed via LEDs).

Scenes
Press buttons 1 - 4 to recall lighting scenes. Fifth button turns all lights off.

(4-zone, 4-gang unit shown)

Infrared Wireless Remote Control
Optional handheld remote selects scenes, adjusts lighting levels, or turns system on/off. (Model GRX-IT).

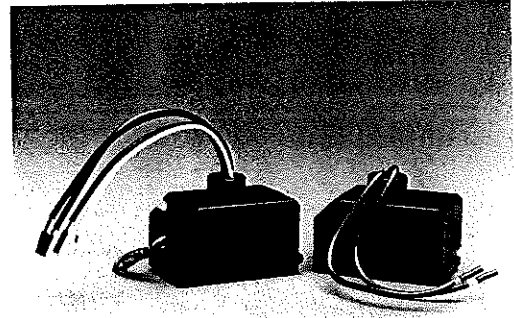
Built-in Remote Control Receiver

- **Sleek and contemporary -**
State-of-the-art microprocessor-based design offers flexibility and versatility.
- **Easy to use -**
Create and recall 4 different scenes at the touch of a button.
- **Easy to install -**
For new or retrofit construction. Uses standard wallboxes and existing wiring, including 3-way.
- **Controls multiple sources -**
Any combination of incandescent/tungsten, low voltage, neon/cold-cathode, fluorescent lighting, or switched loads.
- **Handles global applications -**
120, 100, 220-240 volts, 50/60 Hertz meet global requirements.
- **Residential or commercial -**
GRAFIK Eye is ideal for single rooms or spaces up to 1000 square feet. Accessory controls expand control points and functions.



Power and Slave Packs

- ◆ Essential part of ceiling mounted occupancy sensor system
- ◆ Fully self-contained transformer and relay
- ◆ Part of a fully-integrated system
- ◆ Easy installation
- ◆ Can be used as a low-voltage switch for other applications or as stand-alone low voltage switch
- ◆ UL and CUL Listed; Five year warranty



Complete Systems Integration

Power packs provide 24VDC operating voltage to all Watt Stopper 24VDC sensors and are capable of switching a maximum 20 Amps of electrical load (ballast). Slave packs are similar to power packs but have no transformer power supply, only an isolated relay. Power and slave packs can be combined to control almost any lighting or HVAC load in an area controlled by Watt Stopper occupancy sensors and LightSaver Controllers. It can also operate as a low voltage switching system.

Operation

Power packs consist of a transformer and high-current relay combined in one small, powerful package. The transformer has a primary high voltage input and a secondary 24VDC, 100 mA output. The secondary voltage provides operating power to Watt Stopper sensors. When the occupancy sensors detect motion or light sensors detect inadequate ambient light, they electrically close an internal circuit which sends 24 VDC back to the power or slave packs which control lighting systems.

Features

Power packs are available for 120, 220 to 240, 277 and 347 Volt systems. They are housed in an ABS, UL-rated 94V-0 plastic enclosure. The power packs' 1/2-inch snap-in nipple attaches to standard electrical enclosures through 1/2-inch knockouts. Leads are teflon coated for use in plenum applications.

Applications

Since The Watt Stopper sensors are designed to work over an extremely wide range of applications, Watt Stopper power packs are designed to be very flexible. For example, power packs can control lighting circuits, self-contained air conditioners, pumps, fans, motors, VAV systems, motorized damper controls and setback thermostats. They are excellent for any application which requires high-voltage switching through low-voltage controls. The use of power and slave packs eliminates the need for expensive high-voltage switching. Watt Stopper power packs can operate up to three ultrasonic and up to four passive infrared sensors. By linking power packs and sensors, an almost unlimited number of configurations can be obtained. Power packs can also be used as stand-alone 24 VDC low voltage switching systems.

Economics

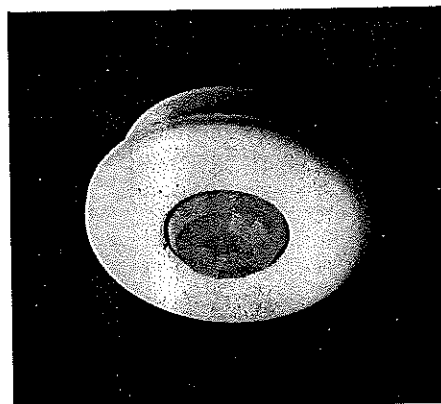
Power packs provide a cost-effective method of powering Watt Stopper sensors while controlling lighting systems. They are also excellent for any application which requires high-voltage load switching through low-voltage controls. Their easy installation, versatility and low cost provide for fast paybacks on control systems.

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CI-200 360° PIR Sensors

- ◆ Full-featured, ceiling mount PIR sensor
- ◆ 360° coverage
- ◆ Low-profile design
- ◆ Built-in light level sensor in CI-200
- ◆ Adjustable sensitivity & digital time delay
- ◆ CI-200 contains an isolated relay for use with HVAC or other control systems
- ◆ High immunity to RFI and EMI
- ◆ UL and CUL Listed; Five year warranty



System Information

The Watt Stopper's CI-200 and CI-205 are passive infrared occupancy sensors which provide 360° coverage. The sensor's low-profile design ensures a clean and uncluttered ceiling appearance suitable to any modern office. The sensors work as part of an integrated system of lighting control with other Watt Stopper occupancy sensors to reliably control lighting in a variety of applications.

Operation

The 24 VDC occupancy sensors control lighting systems through Watt Stopper power packs. The units operate by turning lighting on when a person enters the controlled area. Occupancy is sensed when the unit detects a change in infrared heat radiated in motion within the controlled area. After the area is vacated and after a user-adjustable time delay, lighting automatically turns off. The CI sensors utilize The Watt Stopper's ASIC (application-specific integrated circuit) technology which reduces the sensors' components and provides greater reliability to users.

Features

The sensors feature a user-adjustable time delay. It functions through a highly accurate digital timer with a tolerance of $\pm 2\%$. The time delay is programmed with a DIP switch and can be set from 15 seconds to 30 minutes by 2 minute increments (see chart on back). Sensitivity is also programmed through the DIP switch and has 4 settings from minimum to maximum sensitivity. The CI-200 features a light level sensor output that can be used to prevent sections of lighting from turning on if natural light levels are above a user specified level (4 to 190 footcandles). Controls are accessible beneath the sensor's front housing. The CI-200 contains a single-pole, double-throw isolated relay that can be used to interface with HVAC, EMS, monitoring systems, or with an additional lighting load. It has normally open and normally closed outputs and is rated for 1 Amp at 24 VDC and 1/2 Amp at 120 VAC.

Applications

The CI-200 and CI-205 have an attractive, low-profile design and a superior coverage pattern which combine to reliably control lighting while maintaining an aesthetically pleasing ceiling appearance. Coverage for the sensors can reach up to 1200 square feet using the Extended Range lens and 500 square feet using the High Density lens (circular pattern) for walking motion. For typical desktop level activity coverage can reach up to 300 square feet. Applications include open office spaces, computer rooms, conference rooms, classrooms, and warehouses. Areas with high ceilings or with two-level lighting can also be controlled. Due to low initial cost and the great energy saving potential, the sensors offer fast payback rates.

Specifications

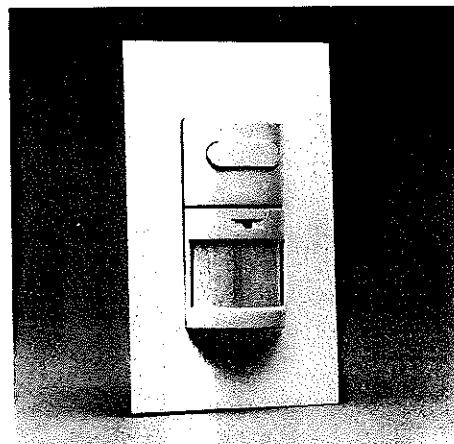
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- ◆ Dual-element pyroelectric sensor
- ◆ 3.3" diameter x 2.2" deep (85mm x 56mm), extends approximately .36" from ceiling
- ◆ The Watt Stopper's ASIC technology enhances reliability; provides immunity to RFI & EMI
- ◆ Red LED indicates occupancy detection
- ◆ Digital time delay – adjustable from 15 seconds to 30 minutes; $\pm 2\%$ tolerance
- ◆ Integrated light level sensor – works from 4 to 190 footcandles
- ◆ Available in white



Decorator Automatic Wall Switches

- ◆ Small, decorator design
- ◆ Auto-On and Manual-On models
- ◆ Dual 120/277 VAC operation
- ◆ Built-in light level sensor on WS models
- ◆ 180° coverage, maximum of 900 sq ft
- ◆ Compatible with all electronic ballasts
- ◆ High immunity to RFI and EMI
- ◆ No minimum load requirement
- ◆ 30% to 60% energy savings
- ◆ UL and CUL Listed; Five year warranty



System Information

Watt Stopper is a decorator style automatic wall switch which replaces an existing wall switch and fits behind a standard decorator wall plate. Watt Stoppers keep lights on as long as spaces are occupied and turn lights off after the space is vacated. They have an attractive, low-profile appearance that suits even the most modern office environment.

Operation

Watt Stoppers utilize advanced Passive Infrared technology to detect occupancy. Detection occurs when a unit senses the difference between infrared energy from a human body in motion and the background space. The sensors utilize the Watt Stopper's ASIC (application-specific integrated circuit) technology which reduces components and provides greater reliability to users. Watt Stoppers also use a custom, 2-level Fresnel lens which adds to the sensor's ability to detect smaller amounts of activity at the desktop level. They achieve a 180° detection coverage and up to 900 sq ft of walking motion. With the WS (auto-on) models, lighting systems automatically turn on when occupancy is detected. For the WM (manual-on) models, the user must manually switch lighting on each time the controlled area becomes occupied. For all models, after a user-specified length of time when no occupancy is detected, lighting automatically switches off. Watt Stoppers can also be used with multiple switches for multi-level lighting. In this case, the Watt Stopper acts as the master on/off switch and the remaining switches control the level of illumination.

Features

The WS auto-on model features a built-in light level sensor. This feature holds lighting systems off when natural light levels are above the pre-set level. The user can override this function by placing his hand in front of the sensor. Once lights are switched on, the light level sensor will not switch them off even if daylight levels increase. The light level setting is adjustable by the user and allows for the option of lighting always turning on when an area is entered, regardless of existing light levels. All models feature adjustable sensitivity, time delay settings, and zero crossing circuitry. The Watt Stopper's Zero-Crossing Circuitry (Patent Pending) ensures that the product's switching takes place at the beginning of the voltage wave very close to zero volts. This reduces stress on the relay thus increasing the sensor's life.

Applications

Their small, decorator style and superior performance give the Watt Stoppers the flexibility to work in a variety of applications. Commercial uses include offices, conference rooms, break rooms and utility rooms. Residential uses include kitchens, small bathrooms, bedrooms, or any room that provides a clear view of the entire area to be covered. Energy savings for these areas can be as high as 60% since lighting will no longer remain on once the room is vacant. Watt Stopper's style fits in with any decor and will complement most modern architectural designs. Due to a competitive price, low install

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TYPE 6