

CATALOG NUMBER LOGIC

(Add to Fixture Catalog Number)

EXAMPLE: HP2 - H35M - 277 - CPC

Housing:

HP2

Ballast Type:

H35M - 35W Magnetic
H70M - 70W Magnetic
H100M - 100W Magnetic
H150M - 150W Magnetic
H35E - 35W Electronic
H70E - 70W Electronic
H100E - 100W Electronic

Input Voltage:

120
277

MT - Multi-Tap Electronic

Metal Halide Ballast 120/208/240/277

Options:

CPC - Concrete Pour Collar

- (Material and Finish to Match Specified Fixture)
- (May be Field Installed Prior to Permanent Installation of Side Entry Conduit Connectors)

Features:

- Precision Machined Aluminum Faceplate.
- Corrosion Free Composite Recessed Below Grade Housing.
- 360SL™ or 360HD™ (Patented) Adjustable Mounting System.
- Allows Rotational Adjustment with O-Ring Seal and Tamperproof Design.
- 35W, 70W, 100W or 150W Magnetic High Power Factor, Metal Halide Ballast (Standard) with Class H Insulation, 120V or 277V (Specify).
- 35W, 70W or 100W Multi-Tap Electronic Metal Halide Ballast 120V/208V/240V/277V.
- Junction Box with Hydro-Lock™ Barrier Plate.
- Concrete Pour Collar Available in Aluminum or Brass.
- Large High Temperature Silicone Compression Type O-Ring with Five Stainless Steel Countersunk Hex Socket Captive Mounting Screws, Creates Water Tight Seal.
- Watertight Connectors, (3) Supplied with Fixture.

For Use With EV™, SE™, K2™, YO™ or SU™
Series Metal Halide Fixtures



HP²™ METAL HALIDE BALLAST CATALOG NO. LOGIC
5/02 B-K LIGHTING, INC. DRAWING NUMBER
SUB-1215-02



GRENALD WALDRON ASSOCIATES
ARCHITECTURAL PO BOX 525 TEL 610 667 6330
LIGHTING 260 HAVERFORD FAX 610 667 7658
CONSULTANTS AVENUE
NARBERTH PA
19072 0525

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE EF1

LANDSCAPE FIXTURE

TYPE: FF1

GROUND MOUNTED LANDSCAPE FIXTURE

MANUFACTURER:
ORGATECH OMEGALUX

MODEL:
12-140BX-S-A-U-D-P-GS

LUMINAIRE DIMENSIONS: (LxWxH)
25.27 X 4.4" X 3.75"

LAMP:
40 WATT COMPACT FLUORESCENT, 4-PIN BIAx

FINISH:
BRONZE POWDERCOAT

SPECIFICATION:

HOUSING: EXTRUDED ALUMINUM BODY WITH CAST END CAPS AND SLIDE-IN POLYCARBONATE, LEXAN LENS DESIGN, FULLY GASKETED. FIXTURE SHALL HAVE A CAST SWIVEL WITH 180° ROTATION. ALL HARDWARE TO BE STAINLESS STEEL.

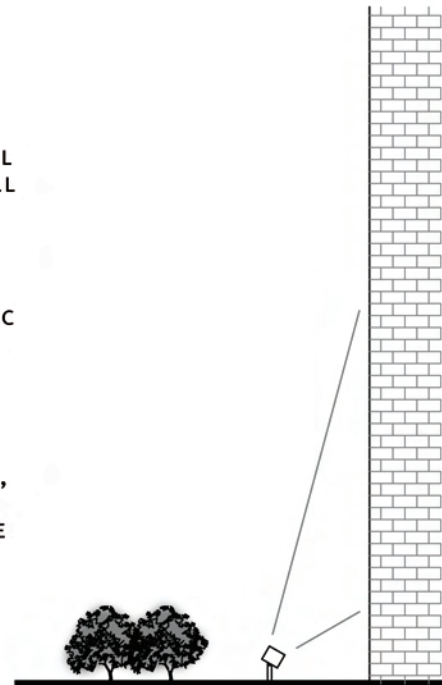
SHIELDING: 3 SIDED GLARE SHIELD.

REFLECTORS: SPECULAR ALZAK REFLECTOR WITH ASYMMETRIC WALL WASH DISTRIBUTION.

BALLAST: ELECTRONIC HIGH POWER FACTOR, WITH A STARTING TEMPERATURE OF -5°F.

FINISHES: TO BE FADE RESISTANT, ELECTRICALLY APPLIED, THERMALLY CURED, SATIN POLYESTER POWDERCOAT FINISH, APPLIED OVER A 5 STAGE PRETREATMENT. COLOR TO BE BRONZE.

LABELS: UL WET LABEL.

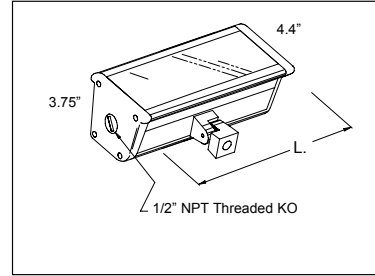
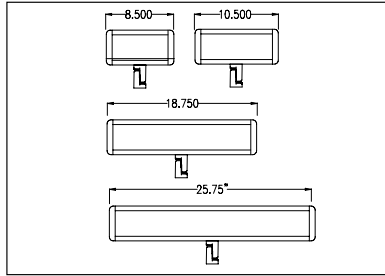


1200 OMEGALUX FLOODLIGHTS

COMPACT FLUORESCENT LAMPING

8.5" - 24" LONG MODELS

Features Specification Grade, Compact, Vandal resistant. Unbreakable 180 degree Swivel. Unique "Slide seal" closure.



CONSTRUCTION:

Extruded Aluminum body, and cast endcaps, with slide-in Lens design. A bull-nose edge protects the gasket and polycarbonate lens from deformation. Unbreakable, wire-thru, cast swivel/s are permanently attached by four internal S/S screws. Swivels are toothed and rotate 180 degrees. 1/2" NPT KOs on the endcaps allow other connection or wire through connections. Expansion space at each endcap prevents airflow across the lens and reflector, eliminating dirt migration for a permanently clean lens interior, and maximum maintained light output. All hardware is Stainless steel.

REFLECTORS:

High performance engineered designs match lamp characteristics, providing high performances for flood or wallwash distribution, from a narrow lens aperture. IES. Photometric files available. Special reflectors developed on request

OPTICAL PERFORMANCE:

Linear floodlighting, providing 90 degree cutoff when used in the downward position to meet "Dark Sky" requirements. Narrow to very broad sideways distribution according to lamp and fixture lengths. Adjustable aiming is easily set with the toothed swivels.

LAMPS:

All Fluorescent lamps from 7 Watt compact to the most advanced linear T5, and triple tube styles upto 42W.

MOUNTING:

1/2" NPT removable Nipple on the swivels allows simple, and unlimited connection methods, for J boxes, - PermaPost inground, - Extension arms, - Custom mounting plates.

ELECTRICAL:

Specify voltage, 120, 277V. or 347V Internal, Auto sensing or dedicated prewired ballasts supplied, according to lamp type, with 15' leads exiting one swivel. Optional Dimming ballasts add - (Dim). Emergency battery pack - add (E).

UL Listed for sprinkler locations, and mounting within 4ft of the ground .

FINISH:

Polyester powder coat applied over a 5 stage pretreatment. 5 Standard colors - Quick-ship colors are Bronze, Black, Green or Silver. Custom colors- optional at added cost.

OPTIONS - Internal Cell Louver, Hexcel or Blade Louver.

External Blade louvers,
Straight and Angled Cantilever Arms.
Colored Filter lenses
Flat Mounting feet and Special brackets.
Emergency and Dimming ballasts.
Barn Doors

WEIGHT: Consult list.

COMPACT FLUORESCENT

BASE MODEL NO:	WATTS	LGTH	Swivel Ctrs	Reflector	Start Temp
Magnetic Ballast					
12-113BX	13W	10 1/2"	CENTER	Flood or WW	0 - F
Electronic Ballasts					
12-113BE	13W	8 1/2"	CENTER	Flood or WW	-5 - F
12-126QE	26W	10 1/2"	CENTER	Flood or WW	-5 - F
12-132TR	32W	8 1/2"	CENTER	Flood only	-20 - F
12-132TR	32W	8 1/2"	CENTER	Flood only	-20 - F
12-142TT	42W	10 1/2"	CENTER	Flood only	-20 - F
12-136BX	36W	18 3/4"	CENTER	Flood or WW	-5 - F
12-155BX	55W	25 3/4"	16"	Flood or WW	-5 - F
12-255BX	2 x 55W	49 3/4"	32"	Flood or WW	-5 - F
12-255BX	2 x 55W	97 3/4"	64"	Flood or WW	-5 - F
12V/DC - 9W, 13W - Electronic Ballasts- 2 Pin Lamps - Replace 60W, 75W incandescent					
12-9DC	9W. GX23-2	8 1/2"	CENTER	Flood or WW	-5 - F
12-13DC	13W. GX23-2	8 1/2"	CENTER	Flood or WW	-5 - F

Ordering Guide

Base#	Mounting	Color	Volts	Reflector	Mtg Pos.	Options
12-140BX	- S -	Z -	TBD -	W -	U -	P, GS
SELECT	S- Swivel	Z-Bronze	A = 120V	F- Flood	U-Up	P-Perma Post Stake
FROM	C-Custom	B-Black	B = 277V	W-Wallwash	D-Down	XEL- Int Cell Lvr
CHART		G-Mist Green	C= 347V			IL -Int Blade Lvr
or		M-Metallic				XBL-Ext Blade Lvr
Create		W-White				GS -Glare Shield
custom		C-Custom				MA4 -4" Mtg Arm
						MA10 -10" Mtg Arm
						MA36 -36" Mtg Arm
						FF -Flat Feet Mounts
						CL-Colored Lens

Specifications are correct at the time of publishing, but may be modified or improved in accordance with current electrical, safety or manufacturing methods without notification.

Orgatech Omegalux 511 N. Virginia Ave; Azusa, Ca. 91702. 626.969.6820 / fax 626.969.6830
www.orgatechomegalux.com

6/03



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL PO BOX 525 TEL 610 667 6330
LIGHTING 260 HAVERFORD FAX 610 667 7658
CONSULTANTS AVENUE
NARBERTH PA
19072 0525

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

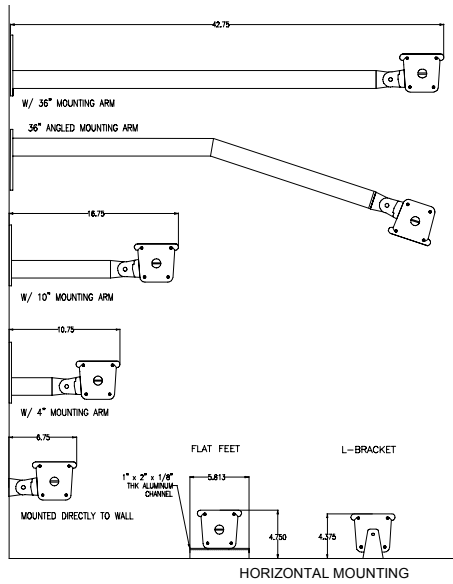
PROJECT No. 22027

TYPE FF1

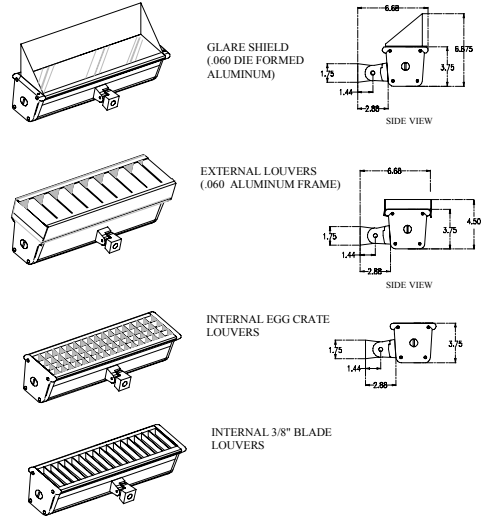


1200 OMEGALUX FLOODLIGHTS ACCESSORIES and OPTIONS

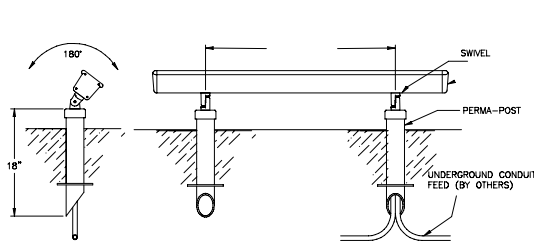
INSTALLATION ACCESSORIES



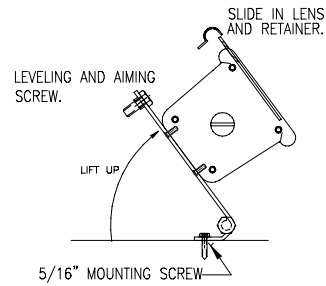
LOUVERS



CUSTOM BRACKETS

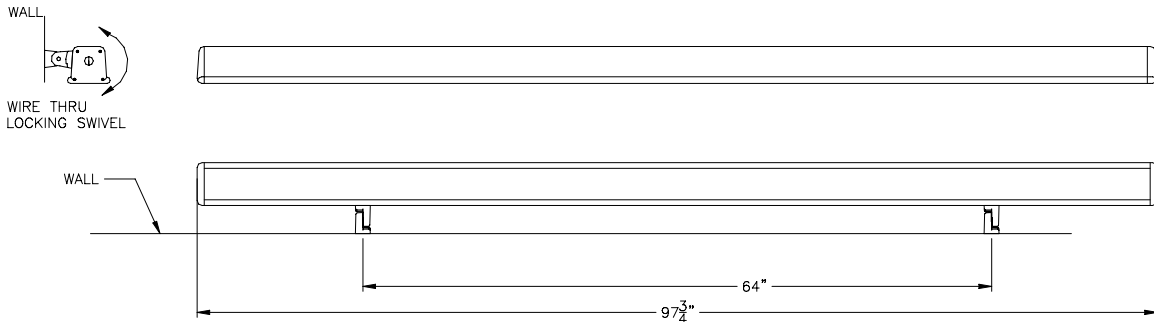


Permaposts provide easy above-grade installation



Flat Hinged Mounting Foot - For mounting to ledges or windowsills, enabling relamping access from inside the building.

Typical installation for long fixtures



Orgatech Omegalux 511 N. Virginia Ave; Azusa, Ca. 91702. 626.969.6820 / fax 626.969.6830
www.orgatechomegalux.com

6/03



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE FF1

CAMPUS ROADWAY FIXTURE

TYPE: PM1

PEDESTRIAN CUTOFF ROADWAY FIXTURE

MANUFACTURER:

ARCHITECTURAL AREA LIGHTING

MODEL:

SL VT-H4/100MH/x/x/x/x

LUMINAIRE DIMENSIONS: (LxWxH)

25-1/2" X 25-1/2" X 20"

LAMP:

100 WATT CLEAR CERAMIC METAL HALIDE, ED-17

FINISH:

TO BE DETERMINED

POLE HEIGHT / DIAMETER:

15'-0" / 4"

SPECIFICATION:

HOUSING: DIECAST ALUMINUM WITH INTERNAL REFLECTOR MODULE SEALED WITH A MOLDED SILICONE GASKET SINGLE PIECE DIECAST ALUMINUM WITH RAIN AND DUST TIGHT GASKET SEALS ON DOORFRAME. DOORFRAME TO BE DIECAST ALUMINUM WITH A STAINLESS STEEL LATCH TO PROVIDE TOOL-LESS ENTRY INTO THE LAMP. FIXTURE SHALL SLIP OVER A 4" DIAMETER POLE AND BE SECURED AND LEVELED BY 3 STAINLESS STEEL SET SCREWS.

SHIELDING: HEAT AND IMPACT RESISTANT GLASS LENS WITH SILICONE GASKET.

REFLECTORS: SPECULAR AND SEMI-SPECULAR FACETED ANODIZED ALUMINUM PANELS RIGIDLY ATTACHED IN A DIECAST ALUMINUM HOUSING. REFLECTOR SHALL BE REMOVABLE WITHOUT TOOLS AND PROVIDE FIELD ROTATION ON 90° CENTERS. REFLECTOR SHALL PROVIDE CUTOFF OPTICAL CONTROL, TYPE 4 DISTRIBUTION.

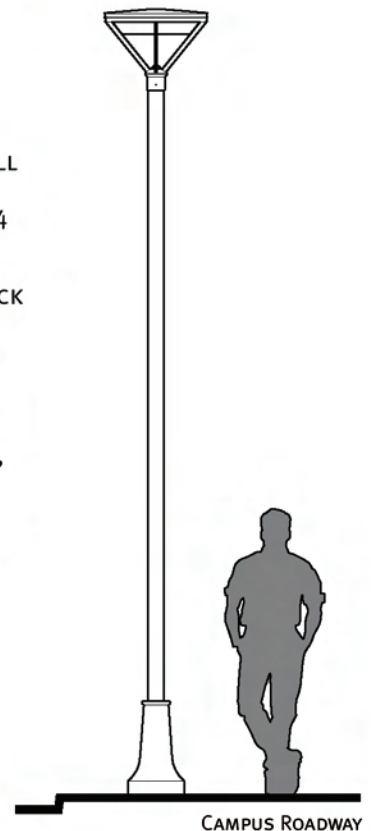
BALLAST: HOUSING TO BE DIECAST ALUMINUM WITH TOOL-LESS ACCESS AND QUICK DISCONNECT PLUG. HIGH POWER FACTOR RATED FOR -30°F START. FIXTURE TO BE A COMPLETE PREWIRED ASSEMBLY.

POLE: SHAFT SHALL BE SEAMLESS EXTRUDED, 0.226" 6061 T-6 ALUMINUM AND CONTAIN A REINFORCED HAND HOLE MEASURING 2' X 4" WITH A HAND HOLE COVER, GASKETED AND SECURED WITH TWO TAMPER PROOF, STAINLESS STEEL SCREWS. GROUND LUG SHALL BE LOCATED ON THE SAME SIDE AS THE COVER. POLE SHALL BE PROVIDED WITH HOT DIP GALVANIZED STEEL ANCHOR BOLT, HEX NUTS AND FLAT WASHERS AND BOLT CIRCLE TEMPLATE.

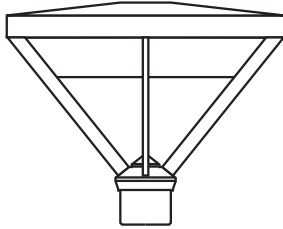
POLE BASE: TWO PIECE CAST ALUMINUM #356 TO FIT OVER 4" DIAMETER POLE. COVER SHALL BE ATTACHED WITH STAINLESS STEEL HARDWARE.

FINISHES: TO BE FADE AND ABRASION RESISTANT, ELECTROSTATICALLY APPLIED, THERMALLY CURED, TGIC TEXTURED POLYESTER POWDERCOAT FINISH. COLOR TO BE SELECTED BY UNIVERSITY.

LABELS: UL WET LABEL.



SLVTH	SL VT-H4	100MH	ARM	BASE-POLE	COLOR	OPTIONS
PAGE 1 OF 2	1	2	3	4	5	6
	FIXTURE	BALLAST	SEE ARM SECTION	SEE POLE SECTION		



WEIGHT: 32 LBS IP: 54 EPA: 2.15

Height 20"/508mm x Width 25 1/2"/648mm
Slips over a 4" o.d. or 5" o.d. pole

1 CAT No.

- ☐ **SL VT-H2** Tempered glass lens, type 2 horizontal cutoff reflector
- ☐ **SL VT-H3** Tempered glass lens, type 3 horizontal cutoff reflector
- ☒ **SL VT-H4** Tempered glass lens, type 4 horizontal cutoff reflector
- ☐ **SL VT-H5** Tempered glass lens, type 5 horizontal cutoff reflector

2 BALLAST

- ☐ **70MH**
70 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **70MHT6**
70 watt metal halide dual voltage 120/277 volt. Uses a G12 base, clear T-6 ceramic MH lamp.
- ☒ **100MH**
100 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **150MH**
150 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **150MHT6**
150 watt metal halide multitap ballast 120/208/240/277 volt. Uses a G12 base, clear T-6 ceramic MH lamp.
- ☐ **175MH**
175 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **250MH**
250 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **70HPS**
70 watt high pressure sodium ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **100HPS**
100 watt high pressure sodium ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **150HPS**
150 watt high pressure sodium ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **250HPS**
250 watt high pressure sodium ballast 120/208/240/277 volt. With modified reflectors only.

5 COLOR

- ☐ **WHT** white powder coat finish
- ☐ **BLK** black powder coat finish
- ☐ **DGN** dark green powder coat
- ☐ **DBZ** dark bronze powder coat
- ☐ **GALV** galvanized powder coat
- ☐ **VGR** verde green powder coat
- ☐ **CRT** corten powder coat finish
- ☐ **MAL** matte aluminum powder coat
- ☐ **RAL #** _____
- ☐ **CUSTOM** _____
- ☐ **OTHER** _____

6 OPTIONS

- ☐ **347** 120/277/347 volt ballast except 70MHT6
- ☐ **QRS** Quartz restrike controller reflector models only
- ☐ **QL** Socket for a T-4 mini-cand halo-gen lamp must be field wired to a separate 120 volt circuit
- ☐ **HSS** House side Shield for fixtures with a horizontal reflector

Specify Voltage.
Lamps not included.

ARCHITECTURAL AREA LIGHTING

14249 Artesia Blvd / La Mirada, CA 90638
714 994.2700 / fax 714 994.0522 / www.aal.net
Ref:SLVTH.pdf copyright 2003, design patented



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM1

Specifications

HOUSING

The fixture fitter shall be one piece cast aluminum. The upper housing shall be spun aluminum. The top shall be removable to access the ballast. The top shall be secured with two captive, slotted screws. All hardware shall be stainless steel.

REFLECTOR MODULE

The reflector shall consist of specular and semi-specular die formed panels precisely positioned within the reflector housing. The reflectors shall meet IES-ANSI specifications for full cut off reflectors. The reflector module shall be accessible for relamping by loosening one captive fastener on the hinged, cast aluminum door frame. The door frame shall be sealed to the housing with a silicone compression gasket. A tempered glass lens shall be sealed to the door frame.

ELECTRICAL

Electrical components shall be mounted and wired to a mounting plate within the fixture. The ballast compartment shall be sealed with an aluminum cover. All electrical components and materials shall be U.L. recognized.

Ballasts are high power factor rated for -30° starting. Medium base porcelain sockets are 4KV rated. T-6 lamps use a G12 base.

MOUNTING

Fixture slips over a 4" or 5" o.d. pole for post top mounting.

FINISH

Fixture finish shall consist of cleaning, etching, and rinsing followed by a protective chromate primer, deionized water rinse, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

Fixtures shall be listed with ETL for outdoor, wet location use, UL 1598 and Canadian CSA C22.2 no.250. IP = 54

WARRANTY

Fixture shall be warranted to be free of defects for three years. Ballast components shall carry the ballast manufacturer's limited warranty.

ARCHITECTURAL AREA LIGHTING

14249 Artesia Blvd / La Mirada, CA 90638
714 994.2700 / fax 714 994.0522 / www.aal.net
Ref:SLVTH.pdf copyright 2003, design patented



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM1

CAMPUS WALKWAY FIXTURE

TYPE: PM2

PEDESTRIAN CUTOFF ROADWAY FIXTURE

MANUFACTURER:
ARCHITECTURAL AREA LIGHTING

MODEL:
SL VT-H2/50MH/x/x/x/x

LUMINAIRE DIMENSIONS: (LxWxH)
25-1/2" X 25-1/2" X 20"

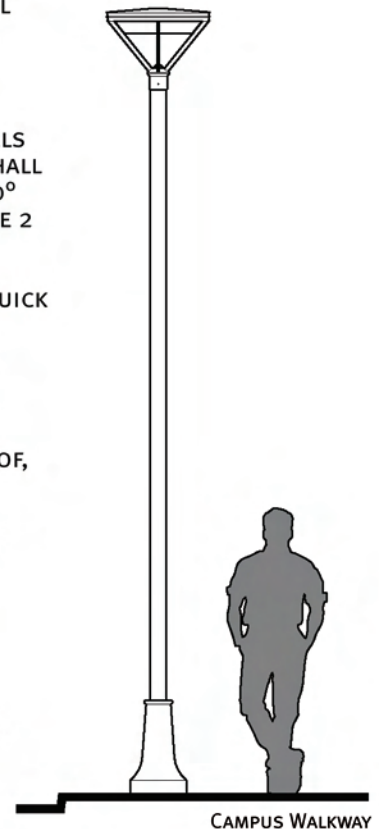
LAMP:
50 WATT CLEAR CERAMIC METAL HALIDE, ED-17

FINISH:
TO BE DETERMINED

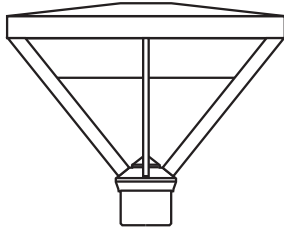
POLE HEIGHT:
14'-0" / 4"

SPECIFICATIONS:

- HOUSING:** DIECAST ALUMINUM WITH INTERNAL REFLECTOR MODULE SEALED WITH A MOLDED SILICONE GASKET SINGLE PIECE DIECAST ALUMINUM WITH RAIN AND DUST TIGHT GASKET SEALS ON DOORFRAME. DOORFRAME TO BE DIECAST ALUMINUM WITH A STAINLESS STEEL LATCH TO PROVIDE TOOL-LESS ENTRY INTO THE LAMP. FIXTURE SHALL SLIP OVER A 4" DIAMETER POLE AND BE SECURED AND LEVELED BY 3 STAINLESS STEEL SET SCREWS.
- SHIELDING:** HEAT AND IMPACT RESISTANT GLASS LENS WITH SILICONE GASKET.
- REFLECTORS:** SPECULAR AND SEMI-SPECULAR FACETED ANODIZED ALUMINUM PANELS RIGIDLY ATTACHED IN A DIECAST ALUMINUM HOUSING. REFLECTOR SHALL BE REMOVABLE WITHOUT TOOLS AND PROVIDE FIELD ROTATION ON 90° CENTERS. REFLECTOR SHALL PROVIDE CUTOFF OPTICAL CONTROL, TYPE 2 DISTRIBUTION.
- BALLAST:** HOUSING TO BE DIECAST ALUMINUM WITH TOOL-LESS ACCESS AND QUICK DISCONNECT PLUG. HIGH POWER FACTOR RATED FOR -30°F START. FIXTURE TO BE A COMPLETE PREWIRED ASSEMBLY.
- POLES:** SHAFT SHALL BE SEAMLESS EXTRUDED, 0.226" 6061 T-6 ALUMINUM AND CONTAIN A REINFORCED HAND HOLE MEASURING 2' X 4" WITH A HAND HOLE COVER, GASKETED AND SECURED WITH TWO TAMPER PROOF, STAINLESS STEEL SCREWS. GROUND LUG SHALL BE LOCATED ON THE SAME SIDE AS THE COVER. POLE SHALL BE PROVIDED WITH HOT DIP GALVANIZED STEEL ANCHOR BOLT, HEX NUTS AND FLAT WASHERS AND BOLT CIRCLE TEMPLATE.
- POLE BASE:** TWO PIECE CAST ALUMINUM #356 TO FIT OVER 4" DIAMETER POLE. COVER SHALL BE ATTACHED WITH STAINLESS STEEL HARDWARE.
- FINISHES:** TO BE FADE AND ABRASION RESISTANT, ELECTROSTATICALLY APPLIED, THERMALLY CURED, TGIC TEXTURED POLYESTER POWDERCOAT FINISH. COLOR TO BE SELECTED BY UNIVERSITY.
- LABELS:** UL WET LABEL.



SLVTH	SL VT-H2	50MH	ARM	BASE-POLE	COLOR	OPTIONS
PAGE 1 OF 2	FIXTURE	BALLAST	3	4	5	6
	1	2	SEE ARM SECTION	SEE POLE SECTION		



WEIGHT: 32 LBS IP: 54 EPA: 2.15

Height 20"/508mm x Width 25 1/2"/648mm
Slips over a 4" o.d. or 5" o.d. pole

1 CAT No.

- ☒ **SL VT-H2** Tempered glass lens, type 2 horizontal cutoff reflector
- ☐ **SL VT-H3** Tempered glass lens, type 3 horizontal cutoff reflector
- ☐ **SL VT-H4** Tempered glass lens, type 4 horizontal cutoff reflector
- ☐ **SL VT-H5** Tempered glass lens, type 5 horizontal cutoff reflector

2 BALLAST

- ☒ **70MH**
70 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **70MHT6**
70 watt metal halide dual voltage 120/277 volt. Uses a G12 base, clear T-6 ceramic MH lamp.
- ☐ **100MH**
100 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **150MH**
150 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **150MHT6**
150 watt metal halide multitap ballast 120/208/240/277 volt. Uses a G12 base, clear T-6 ceramic MH lamp.
- ☐ **175MH**
175 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **250MH**
250 watt metal halide multitap ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **70HPS**
70 watt high pressure sodium ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **100HPS**
100 watt high pressure sodium ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **150HPS**
150 watt high pressure sodium ballast 120/208/240/277 volt. Use medium base, clear ED-17 lamps.
- ☐ **250HPS**
250 watt high pressure sodium ballast 120/208/240/277 volt. With modified reflectors only.

5 COLOR

- ☐ **WHT** white powder coat finish
- ☐ **BLK** black powder coat finish
- ☐ **DGN** dark green powder coat
- ☐ **DBZ** dark bronze powder coat
- ☐ **GALV** galvanized powder coat
- ☐ **VGR** verde green powder coat
- ☐ **CRT** corten powder coat finish
- ☐ **MAL** matte aluminum powder coat
- ☐ **RAL #** _____
- ☐ **CUSTOM** _____
- ☐ **OTHER** _____

6 OPTIONS

- ☐ **347** 120/277/347 volt ballast except 70MHT6
- ☐ **QRS** Quartz restrike controller reflector models only
- ☐ **QL** Socket for a T-4 mini-cand halogen lamp must be field wired to a separate 120 volt circuit
- ☐ **HSS** House side Shield for fixtures with a horizontal reflector

Specify Voltage.
Lamps not included.

ARCHITECTURAL AREA LIGHTING

14249 Artesia Blvd / La Mirada, CA 90638
714 994.2700 / fax 714 994.0522 / www.aal.net
Ref:SLVTH.pdf copyright 2003, design patented



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL LIGHTING CONSULTANTS
PO BOX 525
260 HAVERFORD AVENUE
NARBERTH PA 19072 0525
TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM2

Specifications

HOUSING

The fixture fitter shall be one piece cast aluminum. The upper housing shall be spun aluminum. The top shall be removable to access the ballast. The top shall be secured with two captive, slotted screws. All hardware shall be stainless steel.

REFLECTOR MODULE

The reflector shall consist of specular and semi-specular die formed panels precisely positioned within the reflector housing. The reflectors shall meet IES-ANSI specifications for full cut off reflectors. The reflector module shall be accessible for relamping by loosening one captive fastener on the hinged, cast aluminum door frame. The door frame shall be sealed to the housing with a silicone compression gasket. A tempered glass lens shall be sealed to the door frame.

ELECTRICAL

Electrical components shall be mounted and wired to a mounting plate within the fixture. The ballast compartment shall be sealed with an aluminum cover. All electrical components and materials shall be U.L. recognized.

Ballasts are high power factor rated for -30° starting. Medium base porcelain sockets are 4KV rated. T-6 lamps use a G12 base.

MOUNTING

Fixture slips over a 4" or 5" o.d. pole for post top mounting.

FINISH

Fixture finish shall consist of cleaning, etching, and rinsing followed by a protective chromate primer, deionized water rinse, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

Fixtures shall be listed with ETL for outdoor, wet location use, UL 1598 and Canadian CSA C22.2 no.250. IP = 54

WARRANTY

Fixture shall be warranted to be free of defects for three years. Ballast components shall carry the ballast manufacturer's limited warranty.

ARCHITECTURAL AREA LIGHTING

14249 Artesia Blvd / La Mirada, CA 90638
714 994.2700 / fax 714 994.0522 / www.aal.net
Ref:SLVTH.pdf copyright 2003, design patented



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM2

CAMPUS PARK WALKWAY FIXTURE

TYPE: PM3

POLE MOUNTED PEDESTRIAN PARK WALKWAY FIXTURE

MANUFACTURER:
ARCHITECTURAL AREA LIGHTING

MODEL:
PROV-H2 70MHEB-TBD-DB

LUMINAIRE DIMENSIONS: (LxWxH)
18-7/10" x 18-7/10" x 31-1/2"

LAMP:
70 WATT CLEAR CERAMIC METAL HALIDE, ED-17

FINISH:
TO BE DETERMINED

POLE HEIGHT / DIAMETER:
14'-0" / 4" DIA.
PR4-4R14-226-BC5-4-TBD

SPECIFICATION:

HOUSING: DIECAST ALUMINUM WITH INTERNAL REFLECTOR MODULE SEALED WITH A MOLDED SILICONE GASKET SINGLE PIECE DIECAST ALUMINUM WITH RAIN AND DUST TIGHT GASKET SEALS ON DOORFRAME. DOORFRAME TO BE DIECAST ALUMINUM WITH STAINLESS STEEL LATCH TO PROVIDE TOOL-LESS ENTRY INTO THE LAMP. FIXTURE SHALL SLIP OVER A 4" DIAMETER POLE AND BE SECURED AND LEVELED BY 3 STAINLESS STEEL SET SCREWS.

SHIELDING: HEAT AND IMPACT RESISTANT GLASS LENS WITH SILICONE GASKET.

REFLECTORS: SPECULAR AND SEMI-SPECULAR FACETED ANODIZED ALUMINUM PANELS RIGIDLY ATTACHED IN A DIECAST ALUMINUM HOUSING. REFLECTOR SHALL BE REMOVABLE WITHOUT TOOLS AND PROVIDE FIELD ROTATION ON 90° CENTERS. REFLECTOR SHALL PROVIDE FULL CUTOFF OPTICAL CONTROL, TYPE 2 DISTRIBUTION.

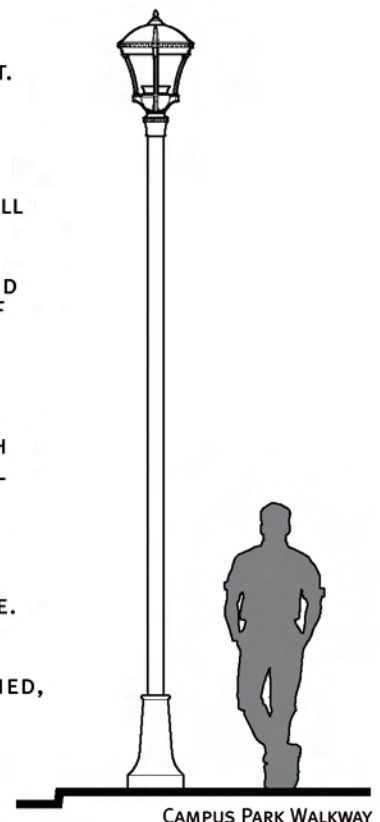
BALLAST: HOUSING TO BE DIECAST ALUMINUM WITH TOOL-LESS ACCESS AND QUICK DISCONNECT PLUG. HIGH POWER FACTOR RATED FOR -30°F START. FIXTURE TO BE A COMPLETE PREWIRED ASSEMBLY.

POLE: SHAFT SHALL BE SEAMLESS EXTRUDED, 0.226" 6061 T-6 ALUMINUM AND CONTAIN A REINFORCED HAND HOLE MEASURING 2' X 4" WITH A HAND HOLE COVER, GASKETED AND SECURED WITH 2 TAMPER PROOF, STAINLESS STEEL SCREWS. GROUND LUG SHALL BE LOCATED ON THE SAME SIDE AS THE COVER. POLE SHALL BE PROVIDED WITH HOT DIP GALVANIZED STEEL ANCHOR BOLT, HEX NUTS, FLAT WASHERS, AND BOLT CIRCLE TEMPLATE.

POLE BASE: TWO PIECE CAST ALUMINUM #356 TO FIT OVER 4" DIAMETER POLE. COVER SHALL BE ATTACHED WITH STAINLESS STEEL HARDWARE.

FINISHES: TO BE FADE AND ABRASION RESISTANT, ELECTROSTATICALLY APPLIED, THERMALLY CURED, TGIC TEXTURED POLYESTER POWDERCOAT FINISH. COLOR TO BE SELECTED.

LABELS: UL WET LABEL.



CAMPUS PARK WALKWAY

Providence™

Page 1 of 6

1 FIXTURE PROV-H2	2 BALLAST 70MH	3 COLOR	4 OPTIONS	5 ARM	6 POLE
----------------------	-------------------	---------	-----------	-------	--------

EXAMPLES:

PROV-H3	100MH	BLK	–	–	DB1-4R12
PROV-INDS	150MHT6EB	CRT	–	–	DB3-4F16
PROV-H2	70MH	BLK	QRS	WMA56	–



- Die cast aluminum construction for corrosion resistance.
- Tool-less access and removal of the reflector, lamp and ballast.
- Type 2, 3, 4 and 5 full cutoff, horizontal reflectors.
- Type 3 and type 5 vertical lamp cutoff reflectors.
- Asymmetric and symmetric indirect, cutoff optical system.
- 70 to 175 watts HID including T-6 CDM lamps and electronic ballasts for metal halide lamps.
- Separate die cast aluminum ballast module for cooler operation and extended component life.
- Powder coat finish in ten standard colors with a polychrome primer.
- Slips over a 4 inch tenon for arm or pole mounting.

ARCHITECTURAL AREA LIGHTING

www.aal.net

14249 Artesia Boulevard • La Mirada, CA 90638
tel (714) 994-2700 • fax (714) 994-0522

Providence is a registered trademark of AAL. Design patents pending. Copyright ©2003.



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3

1	CATALOG NO.	FIXTURE DESCRIPTION
<input checked="" type="checkbox"/>	PROV-H2	Type 2 horizontal reflector, flat tempered clear glass lens
<input type="checkbox"/>	PROV-H3	Type 3 horizontal reflector, flat tempered clear glass lens
<input type="checkbox"/>	PROV-H4	Type 4 horizontal reflector, flat tempered clear glass lens
<input type="checkbox"/>	PROV-H5	Type 5 horizontal reflector, flat tempered clear glass lens
<input type="checkbox"/>	PROV-V3	Type 3 vertical reflector, tempered clear sag glass lens
<input type="checkbox"/>	PROV-V5	Type 5 vertical reflector, tempered clear sag glass lens
<input type="checkbox"/>	PROV-INDA	Asymmetric indirect, indirect reflective optical system, metal halide ED-17 & T6 lamps only
<input type="checkbox"/>	PROV-INDS	Symmetric indirect, indirect reflective optical system, metal halide ED-17 & T6 lamps only

2	CATALOG NO.	LAMP / BALLAST
<input type="checkbox"/>	70MH	70 watt metal halide 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps
<input checked="" type="checkbox"/>	70MHEB	70 watt electronic metal halide ballast, 120 thru 277 volt. Use a medium base, clear ED-17 lamp
<input type="checkbox"/>	70MHT6	70 watt metal halide 120/277 volt ballast. Use a G12 base, clear T-6 ceramic lamp
<input type="checkbox"/>	70MHT6EB	70 watt electronic metal halide ballast, 120 thru 277 volt. Use a G12 base, clear T-6 ceramic lamp
<input type="checkbox"/>	100MH	100 watt metal halide 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps
<input type="checkbox"/>	150MH	150 watt metal halide 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps
<input type="checkbox"/>	150MHEB	150 watt electronic metal halide ballast, 120 or 277 volt. Use a medium base, clear ED-17 lamp
<input type="checkbox"/>	150MHT6	150 watt metal halide 120/208/240/277 volt ballast. Use a G12 base, T-6 ceramic MH lamp
<input type="checkbox"/>	150MHT6EB	150 watt electronic metal halide ballast, 120 or 277 volt. Use a G12 base, T-6 ceramic MH lamp
<input type="checkbox"/>	175MH	175 watt metal halide 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps
<input type="checkbox"/>	70HPS	70 watt high pressure sodium 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps
<input type="checkbox"/>	100HPS	100 watt high pressure sodium 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps
<input type="checkbox"/>	150HPS	150 watt high pressure sodium 120/208/240/277 volt ballast. Use a medium base, clear ED-17 lamps

All HID ballasts are multi-tap, prewired for 277 volts. Lamps not included.

2	CATALOG NO.	COMPACT FLUORESCENT
<input type="checkbox"/>	CF	Electronic transformer for 26, 32 or 42 watt compact fluorescent lamp. 120 through 277 volt. <i>Horizontal reflector only.</i>

3	CATALOG NO.	COLOR
<input type="checkbox"/>	BLK	Black
<input type="checkbox"/>	DGN	Dark Green
<input type="checkbox"/>	WHT	White
<input type="checkbox"/>	MTB	Matte Black
<input type="checkbox"/>	VGR	Verde Green
<input type="checkbox"/>	CRT	Corten
<input type="checkbox"/>	DBZ	Dark Bronze
<input type="checkbox"/>	ATG	Antique Green
<input type="checkbox"/>	MAL	Matte Aluminum

3	CATALOG NO.	COLOR
<input type="checkbox"/>	GAL	Galvanized
<input type="checkbox"/>	LGY	Light Grey

3	CATALOG NO.	RAL / CUSTOM COLORS
<input type="checkbox"/>	RAL	— — — —

*RAL colors are identified by four digit numbers.
RAL and custom color powder coat finishes are available.
Please submit a color chip for custom colors*

ARCHITECTURAL AREA LIGHTING

14249 Artesia Boulevard • La Mirada, CA 90638
tel (714) 994-2700 • fax (714) 994-0522

www.aal.net

Providence is a registered trademark of AAL. Design patents pending. Copyright ©2003.



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3



☐ **SPK**

DECORATIVE SPIKES

Cast aluminum spikes on the top and bottom of the four vertical struts.



☐ **PFN**

BRASS COLORED FINIAL

Cast aluminum finial painted a brass color.



☐ **HSS**

HOUSE SIDE SHIELD

For horizontal and vertical reflector models. House side shield to cut off light behind the pole and shield the lamp from view. *HSS not available for Type V. Factory installed.*



☐ **LDL**

LOW BRIGHTNESS LENS

Frosted, flat tempered glass lens has a lightly diffused finish to minimize the lamp and reflector brightness. For horizontal reflector models.

EGRESS & EMERGENCY LIGHTING OPTIONS

Egress lighting codes require an illuminated path to allow occupants to get a safe distance from the building during a power failure or other emergency. In conjunction with the proper wiring, these two options can be implemented to provide egress lighting.

☐ **QRS**

RESTRIKE CONTROLLER

Quartz restrike controller and socket for a T-4 mini-cand halogen lamp, maximum 150 watt. *Not for use with electronic metal halide ballasts. For horizontal reflector only.*



☐ **QL**

HALOGEN LAMP CIRCUIT
Socket for a T-4 mini-cand halogen lamp, maximum 150 watt.

Must be field wired to a separate 120 volt circuit. For horizontal reflector only.

ARCHITECTURAL AREA LIGHTING

www.aal.net

14249 Artesia Boulevard • La Mirada, CA 90638
tel (714) 994-2700 • fax (714) 994-0522

Providence is a registered trademark of AAL. Design patents pending. Copyright ©2003.



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3



☐ TRA55



☐ TRA56



☐ TRA57



☐ WMA55



☐ WMA56



☐ WMA57

ARCHITECTURAL AREA LIGHTING

www.aal.net

14249 Artesia Boulevard • La Mirada, CA 90638
tel (714) 994-2700 • fax (714) 994-0522

Providence is a registered trademark of AAL. Design patents pending. Copyright ©2003.



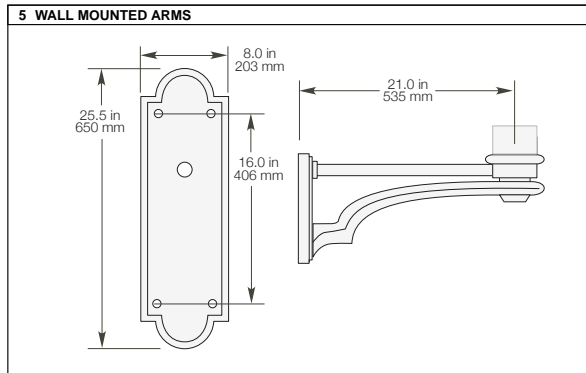
GRENALD WALDRON ASSOCIATES
ARCHITECTURAL LIGHTING CONSULTANTS
PO BOX 525
260 HAVERFORD AVENUE
NARBERTH PA 19072 0525
TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE CAMPUS

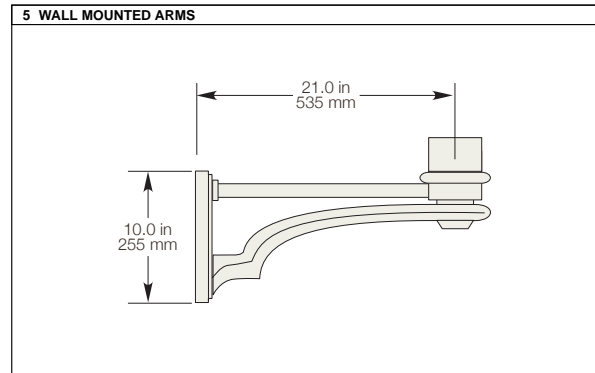
PROJECT No. 22027

TYPE PM3

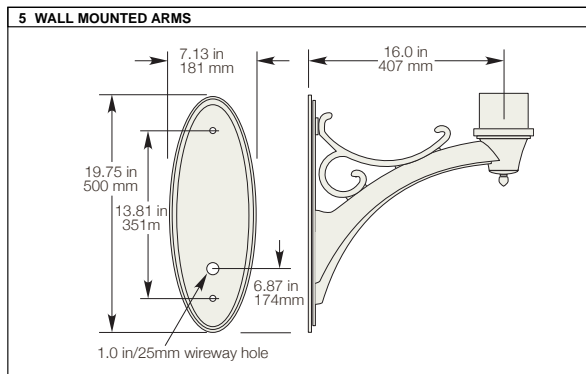
These one piece cast aluminum arms accept the standard four inch slip fitter on the Providence fixture. The arms are prewired with quick disconnects. Wall mounted arms do not include wall mounting hardware. Pole mounted arms use 3/8 - 16 hex head bolts for attaching to a round, straight 4 inch, 100mm diameter pole.



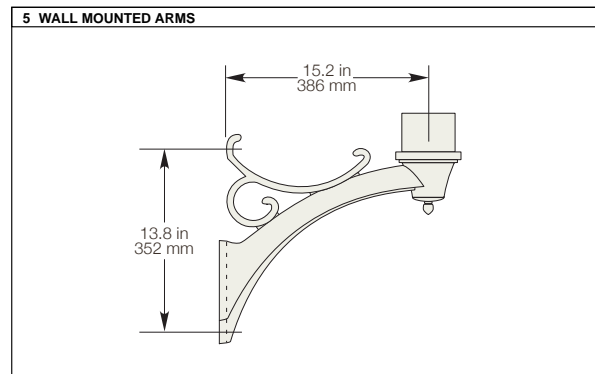
☐ WMA55 Weight: 13 lbs.



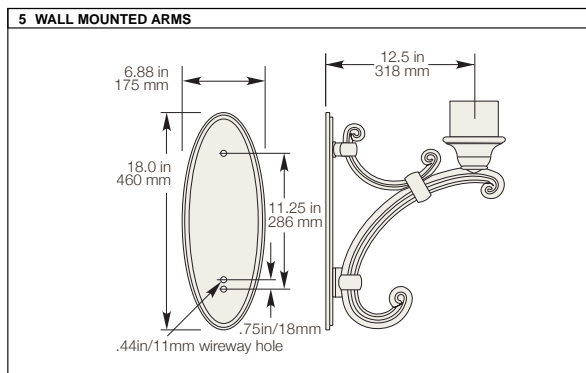
☐ TRA55 Weight: 8 lbs. EPA: .67



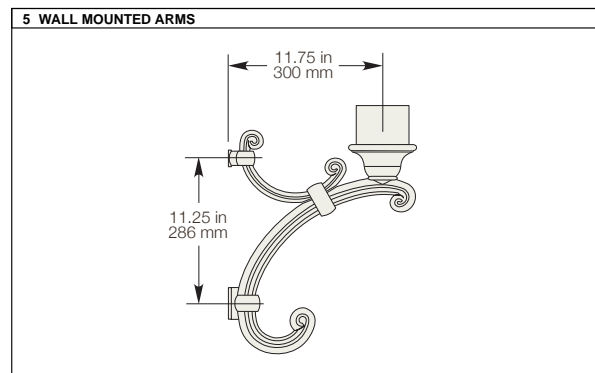
☐ WMA56 Weight: 8 lbs.



☐ TRA56 Weight: 6 lbs. EPA: .54



☐ WMA57 Weight: 9 lbs.



☐ TRA57 Weight: 7 lbs. EPA: .65

ARCHITECTURAL AREA LIGHTING

www.aal.net

14249 Artesia Boulevard • La Mirada, CA 90638
tel (714) 994-2700 • fax (714) 994-0522

Providence is a registered trademark of AAL. Design patents pending. Copyright ©2003.



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

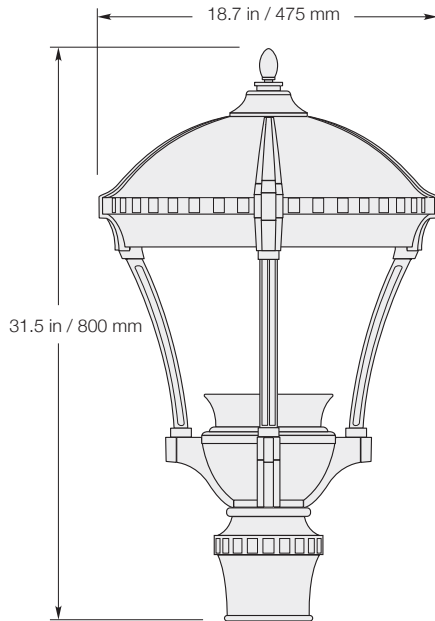
TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3

Weight: 29lbs. EPA: 1.30



REFLECTOR MODELS - REFLECTOR/LAMP

The upper lamp housing shall be die cast aluminum.

The internal reflector module is sealed from the outer housing with a molded silicone gasket. The tempered glass lens shall be sealed to the housing with a silicone gasket. One stainless steel latch shall release the door to allow access the lamp.

The reflector module shall be composed of faceted, specular and semi specular anodized aluminum panels rigidly attached in a die cast aluminum housing. The reflector shall be removed without tools by lifting it out of the four spring loaded posts. The reflector tray shall be rotatable on 90° centers for orienting the light distribution. The horizontal and vertical lamp reflectors shall meet ANSI-IES standards for full cutoff reflector systems.

REFLECTOR MODELS - BALLAST

The lower ballast housing shall be die cast aluminum.

The tool-less ballast access for servicing is accomplished by a quarter turn motion of the top cover. The ballast shall be mounted on a prewired tray with a quick disconnect plug attached to the underside of the cover. HID ballasts are high power factor, rated for -30°F starting. Electronic ballasts for metal halide lamps are sound rated A. Sockets are medium

base for ED-17 lamps, G12 for use with T6 lamps, All sockets are pulse rated porcelain. Ballasts are multi-tap, wired at the factory for 277 volts. Compact fluorescent transformers shall accept 120 to 277 volt input and rated for 0°F starting.

INDIRECT MODELS - LOWER LAMP MODULE

The lower housing shall contain the lamp module. The cover shall be die cast aluminum with a tempered glass lens. The lamp shall be accessed by turning the lamp housing cover a quarter turn. The reflector shall be polished, anodized aluminum with an extremely narrow beam for directing the light to the upper reflector. Sockets are medium base for ED-17 lamps or G12 for use with T6 lamps, All sockets are pulse rated porcelain.

INDIRECT MODELS - UPPER REFLECTOR/BALLAST

The die cast aluminum upper housing shall contain the ballast assembly and the indirect reflector. The tool-less ballast access for servicing is accomplished single flip up latch and hinged top cover. The ballast shall be mounted on a prewired tray with a quick disconnect plug. The HID ballasts are high power factor, rated for -30°F starting. Ballasts are multi-tap, wired at the factory for 277 volts.

The indirect reflector is mounted to the underside of the upper housing. The reflector shall be die cast aluminum, finished in a high reflectance white. The indirect reflector models shall be IES classified as cutoff with less than 1% lumen output above 90 degrees.

INSTALLATION & MOUNTING

The Providence series shall be factory supplied as a complete, prewired assembly. The fitter shall slip over a 4"/100mm open top pole or arm and be secured and leveled with three stainless steel set screws.

FINISH

Fixture finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

The fixture shall be listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no.250. IP=65. Made in the USA.

WARRANTY

Fixture shall be warranted for three years. Ballast components carry the ballast manufacturer's limited warranty.

ARCHITECTURAL AREA LIGHTING

www.aal.net

14249 Artesia Boulevard • La Mirada, CA 90638
tel (714) 994-2700 • fax (714) 994-0522

Providence is a registered trademark of AAL. Design patents pending. Copyright ©2003.



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3

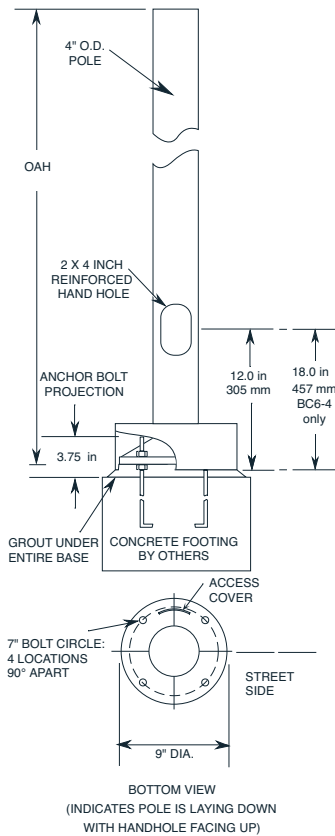
Poles - PR4

4" ROUND (RD) POLE

DATE	TYPE
------	------

PR4

BASE / POLE/WALL / OPTIONS



CATALOG NO.

MAXIMUM ALLOWABLE EPA (MPH)

BASE POLE	OAH	SHAFT	WT	85	90	100	110	120	130	140	150
<input type="checkbox"/> PR4 4R10-125	10' (3.1m)	4" RD x .125"	25	19.4	17.1	13.5	10.8	8.9	7.4	6.3	5.5
<input type="checkbox"/> PR4 4R12-125	12' (3.7m)	4" RD x .125"	28	15.3	13.4	10.5	8.3	6.7	5.6	4.7	4.0
<input type="checkbox"/> PR4 4R14-125	14' (4.3m)	4" RD x .125"	32	12.3	10.7	8.2	6.3	5.0	4.1	3.4	2.9
<input type="checkbox"/> PR4 4R16-125	16' (4.9m)	4" RD x .125"	35	10.0	8.6	6.4	4.8	3.6	2.9	2.4	2.0
<input type="checkbox"/> PR4 4R10-226	10' (3.1m)	4" RD x .226"	38	23.8	21.0	16.7	13.5	11.1	9.3	8.0	6.9
<input type="checkbox"/> PR4 4R12-226	12' (3.7m)	4" RD x .226"	44	19.2	16.9	13.3	10.6	8.6	7.2	6.1	5.3
<input type="checkbox"/> PR4 4R14-226	14' (4.3m)	4" RD x .226"	51	15.9	13.9	10.8	8.4	6.8	5.6	4.7	4.0
<input type="checkbox"/> PR4 4R16-226	16' (4.9m)	4" RD x .226"	57	12.4	12.3	9.4	7.3	5.7	4.7	4.0	3.3
<input type="checkbox"/> PR4 4R18-226	18' (5.5m)	4" RD x .226"	63	11.7	10.0	7.5	5.6	4.3	3.5	2.9	2.4
<input type="checkbox"/> PR4 4R20-226	20' (6.2m)	4" RD x .226"	70	9.5	8.1	5.9	4.2	3.1	2.4	1.9	1.6

Note: Overall height is measured to top of pole.

SPECIFICATIONS

Base shall be cast aluminum #356 alloy, free of any porosity, foreign materials, or cosmetic fillers. Base casting shall be heat treated to a T-6 condition, and of uniform wall thickness, with no warping or mold shifting.

WARNINGS

Caution must be exercised in the selection of a design wind speed when the pole is to be installed in a special wind region (as indicated by the wind map) or in an area where wind speed is unpredictable.

AAL recommends consulting a local engineer when the pole is to be installed in an area that may be subject to extreme weather and exposure.

Poles installed on structures such as buildings and bridges may be subjected to vibration, oscillations, and other fatigue effects which are not covered by the AAL warranty.

The use of banners or other appendages can severely affect the loading of a pole. No banner or other appendage should be attached to an AAL pole unless approved by AAL.

If the products are to be used on an existing foundation or on other structures, the customer assumes all responsibility for the structural integrity of the existing foundation, anchorage or structures and all the consequences arising therefrom.

CAUTION

Poles should never be erected without the luminaire installed. Warranty is voided if the pole is erected without the luminaire. The warranty is voided if the pole is not grouted under the entire base after installation.

ANCHOR BOLTS shall be hot dip galvanized steel. Eight galvanized hex nuts and flat washers, and a bolt circle template shall be provided. Anchor bolt for poles are 3/4" x 24" x 3".

See options/accessories details on page 2.

SOLD TO	PO #	JOB NAME
/		

Architectural Area Lighting

14249 Artesia Blvd / La Mirada, CA 90638
 714.994.2700 / fax 714.994.0522 / www.aal.net
 Ref: PR4.pdf copyright 2005, design patented

Approvals



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3

Poles - PR4

4" ROUND (RD) POLE

OPTIONS / ACCESSORIES

- ☐ **FH**
Flag holder. (Specify location on pole)
- ☐ **FS1**
Single weatherproof fuse holder. Fuse by others.
- ☐ **FS2**
Single weatherproof fuse holder. Fuse by others.
- ☐ **LR**
Ladder rest. Slips over a 4" O.D. pole
- ☐ **PCA-C**
Rotatable photocell housing. The photocell can be aimed away from stray light sources for an accurate setting. The photocell is also shielded from light emissions from the fixture. The housing slips over a 4"/100mm o.d. pole. a fixture or arm slips over the 4"/100mm o.d. tenon. Includes an internal twist lock receptacle, and an access cover with integral lens and stainless steel tether. Adds 4.5"/114mm to the overall height of the pole/fixture assembly. Prewired on the load side and line side for easy installation. Photocell by others.
- ☐ **PCA-T**
Rotatable photocell housing. The housing slips over a 4"/100mm o.d. pole. a fixture slips over the 4"/100mm o.d. tenon. Includes an internal twist lock receptacle, and an access cover with integral lens and stainless steel tether. Adds 5"/125mm to the overall height of the pole/fixture assembly. Prewired on the load side and line side for easy installation. Photocell by others.
- ☐ **PCR**
Low profile twist lock photocell receptacle with cast pole cap top. Secures to the top of the pole with three stainless steel set screws. Photocell by others.
- ☐ **PLT**
Plant Hanger. For 4" o.d. poles. (specify location on pole)
- ☐ **RBC**
Cast aluminum receptacle housing, integrally welded to the pole. Includes a NEC approved clear weatherproof cover. Does not include a receptacle or internal wiring.
- ☐ **TEN**
2 3/8" O.D. X 4" Long.

ARCHITECTURAL AREA LIGHTING

www.aal.net

14249 Artesia Boulevard La Mirada, CA 90638
tel (714) 994-2700 fax (714) 994-0522

Copyright '2005 Architectural Area Lighting.



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM3

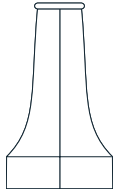
BASE COVERS

CAST ALUMINUM

DATE

TYPE

CATALOG NUMBER



CATALOG NO.

- | | | |
|--------------------------|--------------|------------------------------------|
| <input type="checkbox"/> | BC5-4 | Fits over a 4" (100mm) round pole. |
| <input type="checkbox"/> | BC5-5 | Fits over a 5" (125mm) round pole. |

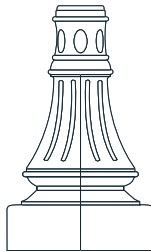
14" (100mm) diameter x 24" (610mm) high.
Two piece clamshell.



CATALOG NO.

- | | | |
|--------------------------|--------------|------------------------------------|
| <input type="checkbox"/> | BC6-4 | Fits over a 4" (100mm) round pole. |
| <input type="checkbox"/> | BC6-5 | Fits over a 5" (125mm) round pole. |

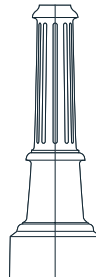
13" (330mm) high x 17" (430mm) diameter.
Two piece clamshell.



CATALOG NO.

- | | | |
|--------------------------|--------------|------------------------------------|
| <input type="checkbox"/> | BC7-4 | Fits over a 4" (100mm) round pole. |
| <input type="checkbox"/> | BC7-5 | Fits over a 5" (125mm) round pole. |

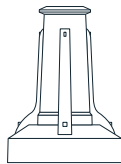
18" (460mm) diameter x 30" (760mm) high.
Two piece clamshell with a one piece upper collar.



CATALOG NO.

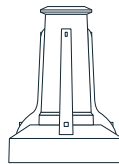
- | | | |
|--------------------------|--------------|------------------------------------|
| <input type="checkbox"/> | BC8-4 | Fits over a 4" (100mm) round pole. |
|--------------------------|--------------|------------------------------------|

12" (305mm) diameter x 36" (915mm) high.
Two piece clamshell.



CATALOG NO.

- | | | |
|--------------------------|--------------|------------------------------------|
| <input type="checkbox"/> | ACBRD | Fits over a 4" (100mm) round pole. |
|--------------------------|--------------|------------------------------------|
- 18" (460mm) high x 14" (356mm) diameter.
One piece cover with a two piece upper collar.



CATALOG NO.

- | | | |
|--------------------------|--------------|-------------------------------------|
| <input type="checkbox"/> | ACBSQ | Fits over a 4" (100mm) square pole. |
|--------------------------|--------------|-------------------------------------|
- 14" (356mm) square x 18" (457mm) high.
One piece cover with a two piece upper collar.

DESCRIPTION

Two piece base covers are cast #356 aluminum that fit over standard 4"/100mm or 5"/125mm round poles. Covers are attached with stainless steel hardware. Consult your AAL catalog for complete details on round poles.

WARNINGS

Caution must be exercised in the selection of a design wind speed when the pole is to be installed in a special wind region (as indicated by the wind map) or in an area where wind speed is unpredictable.

AAL recommends consulting a local engineer when the pole is to be installed in an area that may be subject to extreme weather and exposure.

Poles installed on structures such as buildings and bridges may be subjected to vibration, oscillations, and other fatigue effects which are not covered by the AAL warranty.

The use of banners or other appendages can severely affect the loading of a pole. No banner or other appendage should be attached to an AAL pole unless approved by AAL.

If the products are to be used on an existing foundation or on other structures, the customer assumes all responsibility for the structural integrity of the existing foundation, anchorage or structures and all the consequences arising therefrom.

SOLD TO

PO #

JOB NAME

Architectural Area Lighting

14249 Artesia Blvd / La Mirada, CA 90638
714.994.2700 / fax 714.994.0522 / www.aal.net
Ref:BASECOVERS.pdf copyright 2005, design patented

Approvals



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT NO. 22027

TYPE PM3

ELEVATED WALKWAY FIXTURE

TYPE: PM4

CUTOFF BOLLARD ELEVATED WALKWAY FIXTURE

MANUFACTURER:
ERCO LIGHTING

MODEL:
33453.023

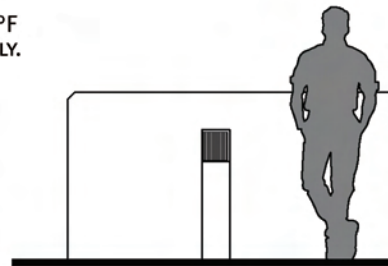
LUMINAIRE DIMENSIONS: (LxWxH)
7-13/16" x 4-1/2" x 35-7/16"

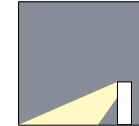
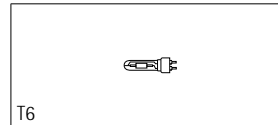
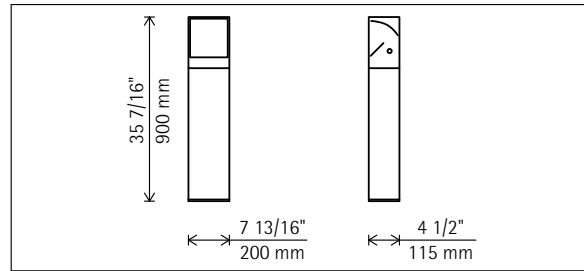
LAMP:
39 WATT CLEAR METAL HALIDE, T-6

FINISH:
GRAPHIT DOUBLE POWDER COAT

SPECIFICATION:

- HOUSING:** CORROSION RESISTANT, CAST ALUMINUM LUMINAIRE MODULE. LUMINAIRE SHALL HAVE SPREAD LENS WITH SAFETY GLASS. LUMINAIRE HOUSING SHALL BE REMOVABLE FROM BASE FOR RELAMPING. SCREWS TO BE CAPTIVE. BOLLARD SHALL BE 35 7/16" HIGH BY 7 13/16" WIDE BY 4 1/2" DEEP.
- SHIELDING:** HEAT AND IMPACT RESISTANT SAFETY GLASS LENS WITH SILICONE GASKET.
- REFLECTORS:** SPECULAR SILVER ANODIZED ALUMINUM WITH ASYMMETRIC DISTRIBUTION. LAMP SHALL BE SCREENED TO ENSURE NO DIRECT LIGHT EMISSION.
- BALLAST:** ELECTRONIC BALLAST, 120V, 60 HZ WITH 3 POLE TERMINAL BLOCK, HIGH POWER FACTOR RATED FOR -30°F START. FIXTURE TO BE A COMPLETE PREWIRED ASSEMBLY.
- BASE PLATE:** CAST ALUMINUM BASE PLATE FOR MOUNTING ON CONCRETE FOUNDATION.
- FINISHES:** TO BE FADE AND ABRASION RESISTANT, ELECTROSTATICALLY APPLIED, THERMALLY CURED, DOUBLE POWDER-COATED. COLOR TO BE GRAPHIT.
- LABELS:** UL WET LABEL, IP65.





33453.023 Graphit m
T6 39W G12 3400lm
ECG

Product description

Bollard: aluminum profile, No-rinse surface treatment. Double powder-coated.

Base plate for mounting on concrete plinth or ground socket: cast aluminum.

Luminaire housing: corrosion-resistant, cast aluminum, No-rinse surface treatment. Double powder-coated. Optimized surface for reduced accumulation of dirt.

Electronic control gear 120V, 60Hz. 1 cable entry. 3-pole terminal block.

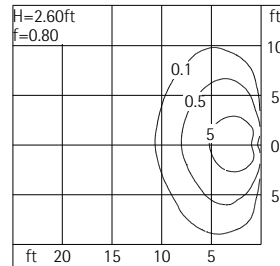
Asymmetric reflector lens system: aluminum, silver anodized, specular. Optimized lamp screening ensures no direct light emission. Spread lens as safety glass.

Luminaire housing is removed from base for lamp replacement. Securing screws.

Suitable for wet location (IP65): dust-proof and water jet-proof.

Weight: 19.18 lbs / 8.70 kg

Surface exposed to the wind
1.94 ft² / 0.18 m²



ERCO Lighting, Inc.
160 Raritan Center Parkway
Suite 10
Edison, NJ 08837
USA
Tel.: +1 732 225 8856
Fax: +1 732 225 8857
info.us@erco.com

Technical Region: 120V/60Hz
Edition: 04.03.2004
Please download latest version from
www.erco.com/33453.023



GRENALD WALDRON ASSOCIATES

ARCHITECTURAL
LIGHTING
CONSULTANTS

PO BOX 525
260 HAVERFORD
AVENUE
NARBERTH PA
19072 0525

TEL 610 667 6330
FAX 610 667 7658

THE UNIVERSITY OF NEW
MEXICO
ALBUQUERQUE CAMPUS

PROJECT No. 22027

TYPE PM4

Accessories



33975.023
Ground socket
Metal, hot-dip galvanized.
Diameter 3 1/4" / 83mm.
Length 19 3/4" / 502mm.
Weight 3.85lbs / 1.75kg.

