

Diretto[®]



ARCHITECTURAL AREA LIGHTING

*"to create, inspire and nurture
EXCELLENCE in each other"*



ENERGY EFFICIENCY

The light sources employed in the Diretto family of fixtures are the most efficient sources commercially available today. The reflectors are designed to direct the illumination on the ground with no stray light which translates into wasted energy. The result is more light with less energy consumption.

LIGHT POLLUTION

The Diretto family of fixtures is designated as a cutoff fixture with only 1% of light emitted above 90 degrees horizontal.

LONGEVITY

AAL manufactures all its products to have a life span as long as the building or space they illuminate. The primary material used for all our products is aluminum to resist corrosion and the need for maintenance. Aluminum will not need the periodic refinishing required of steel products that will eventually rust and corrode. All our internal parts and fasteners are made of aluminum or stainless steel. The lamp enclosures are kept dust free and dry to prevent light degradation and maintain a high level of energy efficiency.

SUSTAINABILITY

AAL develops our products with recycling and resource management in mind. We recycle all incoming packaging materials. Our products are shipped in easy to recycle packaging materials. Our state of the art finishing system uses eco friendly cleansing and preparation chemicals that are harmless enough to send to the drain without further processing. Our powder coating process eliminates the release of volatile chemicals into the atmosphere. AAL makes the Diretto, like all AAL products, with renewable materials such as aluminum and stainless steel.

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AAL is a registered continuing education provider.

The Diretto® is registered and protected by numerous patents granted by the United States Patent Office.

The Diretto® is a registered trademark of Architectural Area Lighting.

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AAL's design continues to redefine the visual language of contemporary fixtures with the Diretto. The lamp and ballast module's unique design have no flat surfaces and are unified by stainless steel struts. Sustainability features include tool-less servicing with efficient lamp and electronic ballast options.

Diretto®

Diretto. Italian word meaning direct.
The Diretto is the perfect combination
of style and functionality.







LAMP MODULE

The upper lamp housing shall be sand cast aluminum. The internal reflector module is sealed from the outer housing, with a one-piece, memory retentive, molded silicone gasket. The tempered glass lens shall be sealed to the housing with a silicone gasket. One steel latch shall release the door to allow access to 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 releasing a pair of steel latches. The reflector tray shall be rotatable on 90° centers for orienting the light distribution. The horizontal lamp reflectors meet IES full cutoff classifications.

All sockets are pulse rated porcelain. Sockets are medium base for ED-17 lamps, G12 for use with T6 lamps.



ELECTRICAL MODULE

The lower ballast housing shall be sand cast aluminum. With tool-less ballast access for servicing; accomplished by releasing a steel latch on 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°C starting. Electronic ballasts for metal halide lamps are sound rated A. Ballasts are wired at the factory for 277 volts, unless specified. Compact fluorescent transformers shall accept 120 to 277 volt input and rated for 0° F starting. The fitter shall slip over a 5 in/127 mm open top O.D. 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.

EISA COMPLIANCE

AAL is committed to complying with EISA requirements 100%. All applicable products manufactured for sale in the United States after January 1, 2009, will meet EISA requirements.

CERTIFICATION

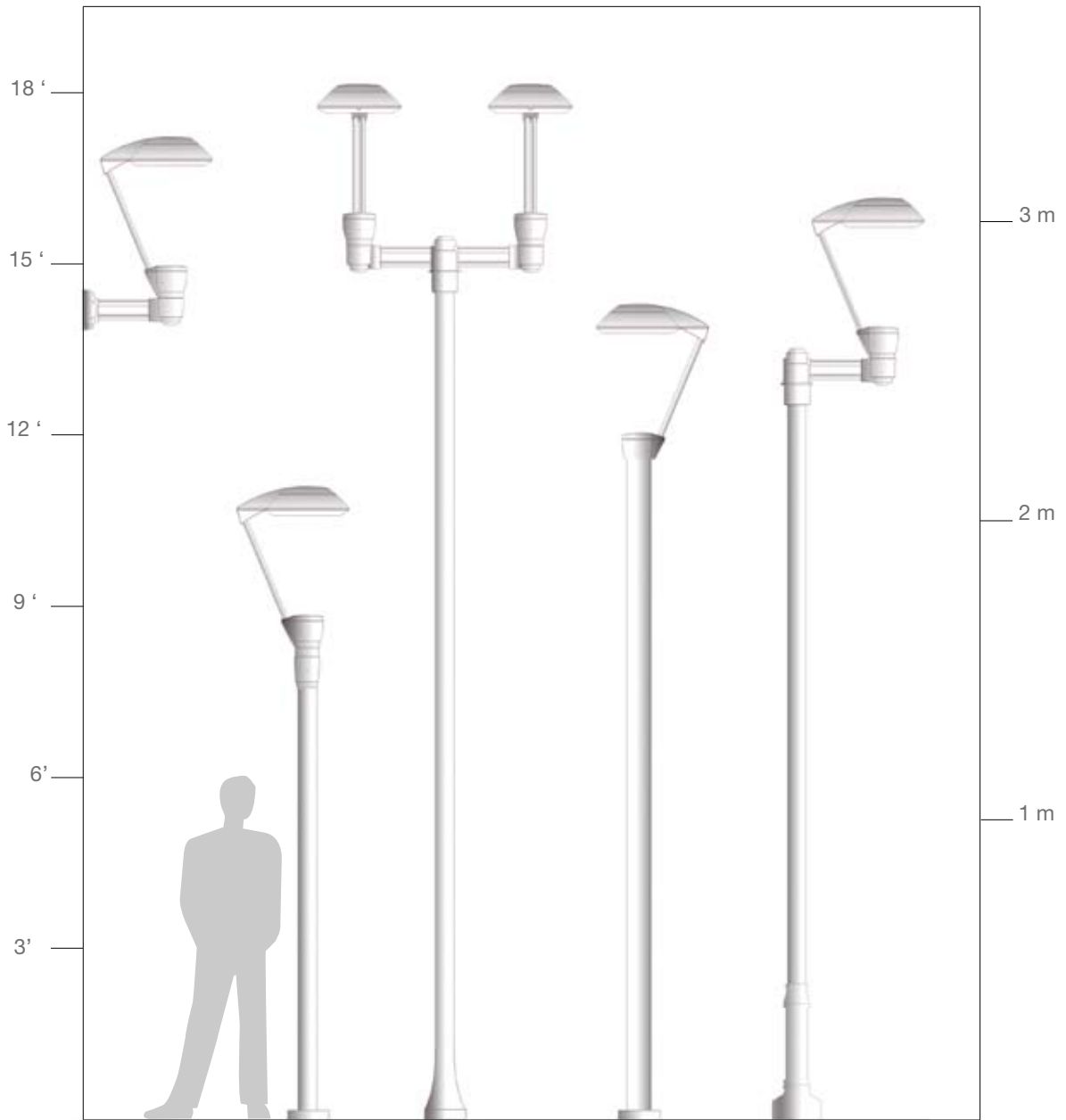
The fixture shall be listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no250. IP=55.

WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by AAL and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. Contact AAL for complete warranty language, exceptions, and limitations.



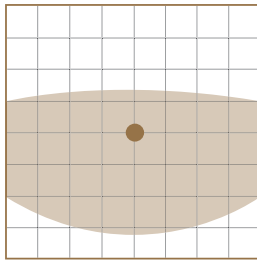
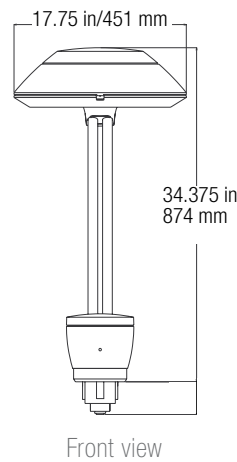
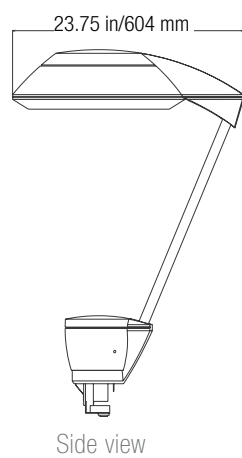
Made in the USA.



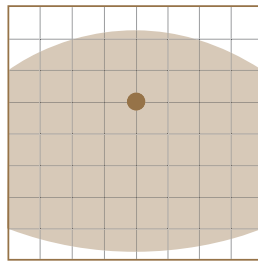
HEAD	DIR	DIR	DIR	DIR	DIR
MOUNTING	WMA	AD4	PMAT		PMAS
POLE		PR4-4R8	PR4-4R14	PR5-5R12	DB6-4R14
			BC5-4		

The Diretto is a highly stylized contemporary design using state of the art optical systems to precisely light streets, parks and pedestrian walkways. The Diretto's focused optical systems allow you to precisely aim the light, resulting in smooth even illumination of the environment. The Diretto features field rotatable optics and tool-less accessibility. The unique design

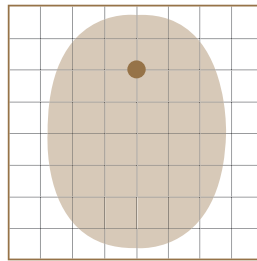
of the lamp and ballast has no flat surfaces and are unified by stainless steel struts. The lamp also features a one-piece molded, memory retentive, silicone gasket for added performance. Streamlined design EPA of .74. The Diretto redefines the visual language of contemporary fixtures.



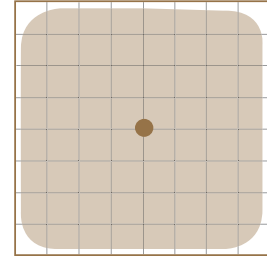
Type 2



Type 3



Type 4



Type 5

Four precision optical systems let you place the light exactly where you need it.



- Horizontal lamp reflectors are available in type 2,3,4 and 5 distribution patterns.
- Reflectors are rotatable on 90° center for proper aiming.
- Lamp wattages range from 70 to 175 watts for standard ED-17 metal halide and high pressure sodium lamps as well as color corrected T-6 metal halide lamps.
- Electronic metal halide ballasts are available for improved color stability, longer lamp life, and faster starting.
- EISA compliant

REFLECTOR MODULE:
FIELD ROTATABLE OPTICS

Rotates on 90° centers and snaps on and off for easy orientation without tools. Fixture can be rotated on pole for orientation.

ONE-PIECE MOLDED MEMORY RETENTIVE
SILICONE GASKET

Silicone gaskets seal out contaminants for optimum lighting performance
IP rating=55.

TOOL-LESS ACCESS

Single point steel latch is depressed to open the hinged top and ballast compartment.

BALLAST MODULE

The ballast module pulls out and snaps back into housing.

SEPARATE LAMP & BALLAST MODULE

Heat sources are isolated for longer life.



FIXTURE	LAMP/BALLAST	COLOR	OPTIONS	MOUNTING
1	2	3	4	5

1. FIXTURE

DIR-H2	type 2 Horizontal reflector, flat tempered clear glass lens.
DIR-H3	type 3 Horizontal reflector, flat tempered clear glass lens.
DIR-H4	type 4 Horizontal reflector, flat tempered clear glass lens.
DIR-H5	type 5 Horizontal reflector, flat tempered clear glass lens.

2. LAMP/BALLAST

50MH	50 watt metal halide 120/277 volt ballast. Use a medium base, ED-17 lamp.
50MHEB	50 watt electronic metal halide ballast. 120 thru 277 volt. Use a medium base, ED-17 lamp.
70MH	70 watt metal halide 120/208/240/277 volt ballast. Use a medium base, ED-17 lamp.
70MHEB	70 watt electronic metal halide ballast. 120 thru 277 volt. Use a medium base, ED-17 lamp.
70MHT6	70 watt metal halide 120/277 volt ballast. Use a G12 base, T6 ceramic lamp.
70MHT6EB	70 watt electronic metal halide ballast. 120 thru 277 volt. Use a G12 base, T6 ceramic lamp.
100MH	100 watt metal halide 120/208/240/277 volt ballast. Use a medium base, ED-17 lamp.
150PSMH	Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use a medium base, ED-17 lamp.
150PSMHT6	Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use a G12 base, T6 ceramic lamp.
150MHEB	150 watt electronic metal halide ballast. 120 thru 277 volt. Use a medium base, ED-17 lamp.
150MHT6EB	150 watt electronic metal halide ballast. 120 thru 277 volt. Use a G12 base, T6 ceramic lamp.
70HPS	70 high pressure sodium 120/208/240/277 volt ballast. Use a medium base, ED-17 lamp.
100HPS	100 high pressure sodium 120/208/240/277 volt ballast. Use a medium base ED-17 lamp.
150HPS	150 high pressure sodium 120/208/240/277 volt ballast. Use a medium base, ED-17 lamp.
CF	Compact Fluorescent, electronic ballast 120 thru 277 volt. 18° C starting temperature. Use 4-pin 26,32, or 42 watt lamp.
PL57	57 watt compact fluorescent ballast 120 thru 277 volt. Use a GE F57QBX lamp. -10° C minimum start temp.

All ballasts are factory wired for 277 volts, unless specified. Lamps not included.

All applicable ballast are EISA compliant.

3. COLOR

All standard and premium AAL colors available.

For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

4. OPTIONS

LDL

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



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.

QRS

Restrike controller. Quartz restrike controller & socket for a T-4 mini-cand halogen lamp, Maximum 150 watt.

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.

RCK— Rock Guard

Rock guard factory installed on the lens frame, black finish.

HSS

House side shield to cut off light behind the pole and shield the lamp from view.

HSS not available for type 5.

Factory installed.

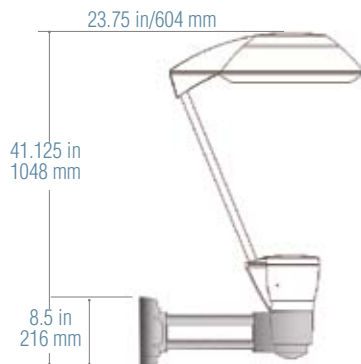
BPC12-120V/BPC27-208/240/277V—Photocell

Button type photocell with adjustable swivel for aiming. Requires field wiring.

5. MOUNTING OPTIONS

WMA

Wall Mounted Arm, 10lbs, EPA: .38



AD4

Adaptor slips over a 4 in/100 mm Pole, 1 lb, EPA: .15



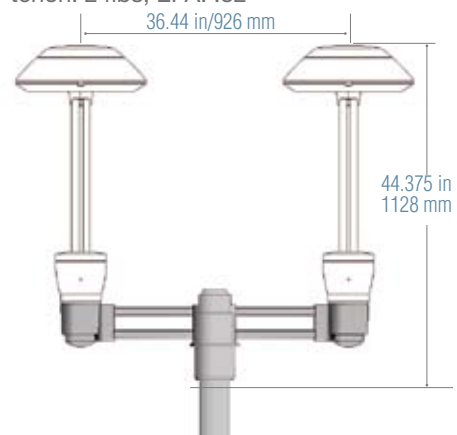
PMAS

Arm mount, designed to slip over a 4 in/100 mm pole or tenon. 15lbs, EPA: .52

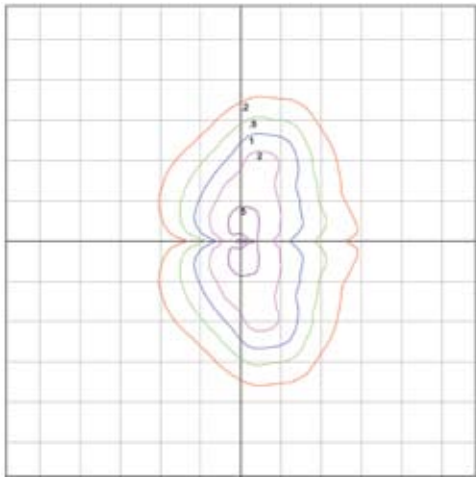


PMAT

Twin arm mount designed to slip over a 4 in/100 mm pole or tenon. 24lbs, EPA: .82

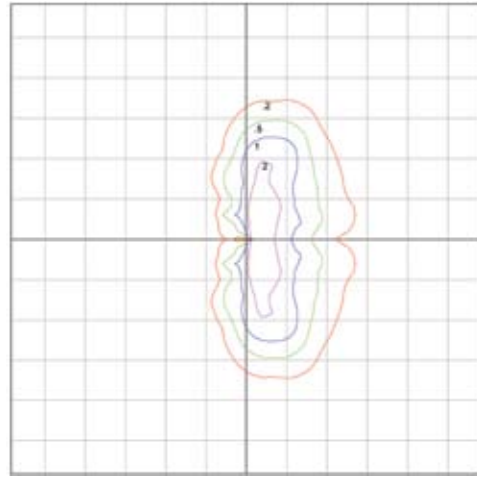


REF. with clear flat glass lens
 One 100 Watt MH ED17 lamp. Lumens=8500



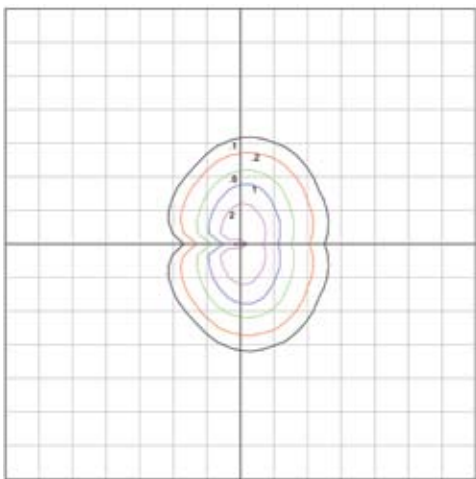
DIR-H2-100MH Horizontal Footcandles
 Light Loss Factor=1.00
 Mounting Height=12.00 Ft
 Maximum Calculated Value=6.37Fc

REF. with clear flat glass lens with house side shield
 One 100 Watt MH ED17 lamp. Lumens=8500



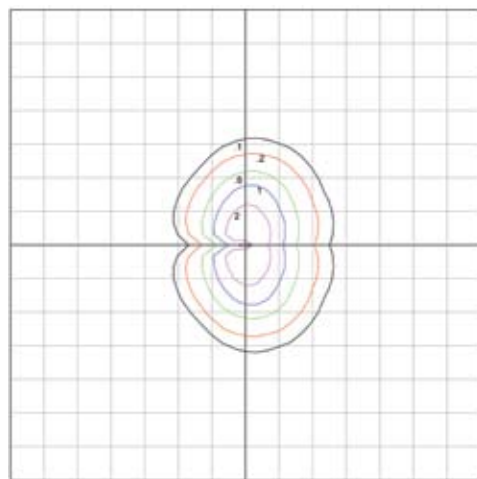
DIR-H2-100MH-HSS Horizontal Footcandles
 Light Loss Factor=1.00
 Mounting Height=12.00 Ft
 Maximum Calculated Value=3.76Fc

REF. with clear flat glass lens
 One 100 Watt MH ED17 lamp. Lumens=8500



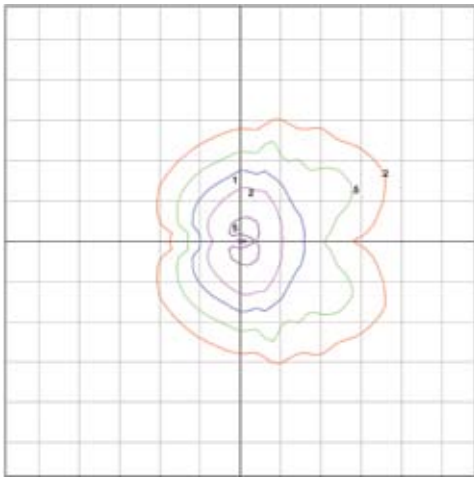
DIR-H3-100 MH Horizontal Footcandles
 Light Loss Factor=1.00
 Mounting Height=12.00 Ft
 Maximum Calculated Value=6.09Fc

REF. with clear flat glass lens
 One 42 Watt CFL lamp. Lumens=3200



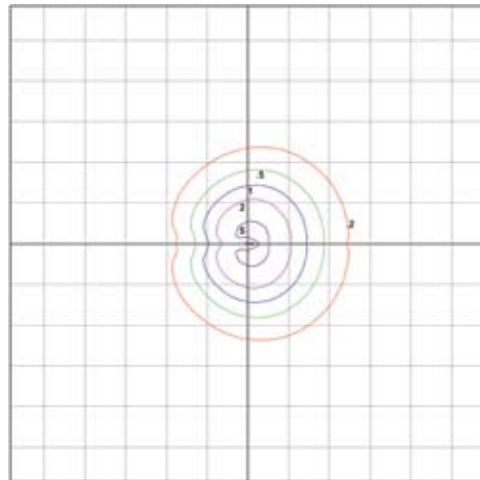
DIR-H3-42CF Horizontal Footcandles
 Light Loss Factor=1.00
 Mounting Height=10.00 Ft
 Maximum Calculated Value=4.16Fc

REF. with clear flat glass lens
One 100 Watt MH ED17 lamp. Lumens=8500



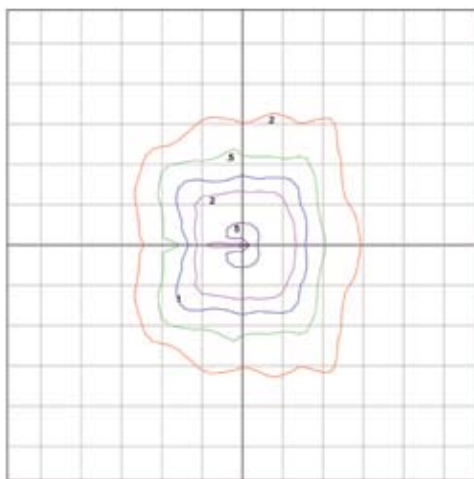
DIR-H4-100MH Horizontal Footcandles
Light Loss Factor=1.00
Mounting Height=12.00 Ft
Maximum Calculated Value=6.12Fc

REF. with frosted flat glass lens
One 100 Watt MH lamp. Lumens=8500



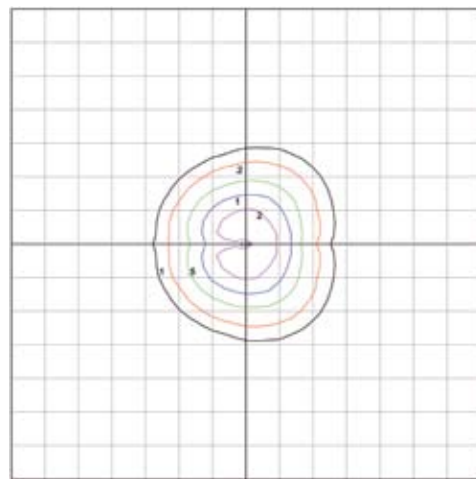
DIR-H4-100MH-LDL Horizontal Footcandles
Light Loss Factor=1.00
Mounting Height=12.00 Ft
Maximum Calculated Value=6.40Fc

REF. with clear flat glass lens
One 100 Watt MH ED17 lamp. Lumens=8500



DIR-H5-100MH Horizontal Footcandles
Light Loss Factor=1.00
Mounting Height=12.00 Ft
Maximum Calculated Value=6.11 Fc

REF. with clear flat glass lens
One 42 Watt CFL lamp. Lumens=3200



DIR-H5-42CF Horizontal Footcandles
Light Loss Factor=1.00
Mounting Height=10.00 Ft
Maximum Calculated Value=4.14Fc

AAL'S DESIGN CONTINUES TO REDEFINE THE VISUAL LANGUAGE OF CONTEMPORARY FIXTURES WITH THE DIRETTO. THE LAMP AND BALLAST MODULE'S UNIQUE DESIGN HAVE NO FLAT SURFACES AND ARE UNIFIED BY STAINLESS STEEL STRUTS. SUSTAINABILITY FEATURES INCLUDE TOOL-LESS SERVICING WITH EFFICIENT LAMP AND ELECTRONIC BALLAST OPTIONS.



Diretto®



AAL's contemporary strength



Diretto®



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