

SPECIFICATIONS

Quality Lighting™

HOUSING Each Design 430 shall feature round pressure die-cast aluminum housing. Housing and mounting plate shall be designed to provide ease of installation and maintenance. Pendant mounting shall be available as an option to allow proper positioning of the luminaire in coffered ceilings. All internal and external threaded hardware shall be of stainless steel. The fixture shall be C-UL & UL listed "suitable for wet locations."

LENS A convex clear acrylic lens (standard) or optional convex polycarbonate lens is permanently sealed to the bottom of the Transflector™.

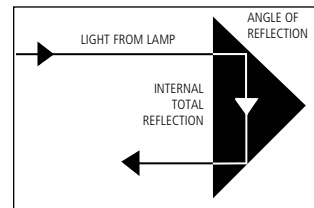
MOUNTING The fixture and mounting plate shall be designed with an integral hanger (Quick Mount plate) to allow quick installation and wiring. Installed fixture shall be secured to mounting plate with a positive lock. Lock shall be designed to be released with the press of a lever or, optionally, with several turns of a tamper-proof screw to allow quick dis-mounting of the fixture.

OPTICAL CHAMBER The fixture shall be equipped with a specially-designed Transflector™ which is capable of providing even glare-free illumination of the pavement, and an up-lighting component for the uniform illumination of the ceiling and uniform high levels of vertical footcandles on the walls. Transflector shall be molded of clear acrylic or optional polycarbonate and shall be classified cut-off under IES standards. Transflector shall provide Type V symmetrical distribution. All photometric data shall be certified by an independent testing laboratory. Transflector shall be easily removable for re-lamping with several turns of the standard thumb screw or optional tamper-resistant internal hex screw.

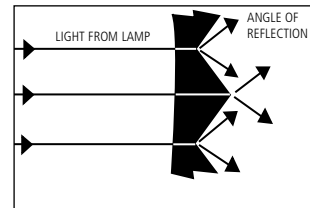
BALLAST Fixture shall be equipped with CWA or HX-HPF ballast, depending upon lamp to be used. All ballasts shall be readily accessible, removable and insulated.

FINISH All aluminum external parts feature a polyester powder coat paint, electrostatically applied, which is preceded by a five step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1000 - hour salt spray endurance testing.

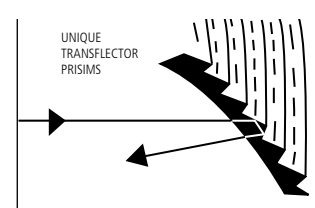
How the TRANSFLECTOR™ works . . .



Light entering a "Right Prism", in the manner shown above, will reflect internally back out as a reflector. Light rays striking surfaces that are not at the angle of reflection will pass through the prism as diffused light.



A lesser portion of the total light emitted does not reach the TRANSFLECTOR™ prisms at exactly the angle of incident to utilize the reflective action of the prisms. These light rays are refracted and pass through the TRANSFLECTOR™ in a diffused manner. The diffused light is used effectively in the upper hemisphere. 15% of the total utilized light is in this above cut-off area.



Lateral curvature of prisms redirect light rays down at an angle and enables the TRANSFLECTOR™ to control cut-off. This is impossible with an ordinary refractor type fixture.

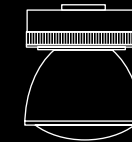
Installation

Swing fixture up until it contacts the Quick-Mount plate. Slide the fixture in the direction of the J-Hooks until the fixture engages the four slide hooks on the Quick-Mount plate. Push the lock-release lever in until it is fully seated to lock the fixture in place.



Lamping

Lamp replacement is a breeze! Loosen the thumb screw several turns, rotate the Transflector slightly and slide to disengage. The entire Transflector and lens assembly is then removed in one piece.



GARAGE & BUILDING MOUNTED

Quality Lighting™

Quality Lighting is a Philips group brand

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DESIGN-430-12



DISTRIBUTIONS

TYPE V Symmetrical (Vert. Lamp)

ORDERING EXAMPLE 430-12-V-HPS-150-FG-120-FD-TM-14"-36"

DESIGN	DISTRIBUTION	HPS	LAMP	
			MH/MHP	LAMP
430-12	V	50/70/ 100/150	MH = Std. Metal Halide MHP = Pulse Start	
			50/70*	ED-17
			100/150/*	ED-17
			175/200*	ED-17

* Available only in Pulse Start 50,70,100,150,200 MHP = Pulse Start

REQUIRED CHOICES

VOLTAGES	COLOR
120	FG Gray
208	CC Custom Color - Supply Color Chip
240	
277	
347	

OPTIONAL CHOICES

ELECTRICAL OPTIONS	OPTICAL OPTIONS	LIGHT TRESPASS OPTION	OPTIONAL MOUNTINGS
FD Single Fusing 120V/277V	PT Polycarbonate Transflector (HPS only)	GB Glare Band	PM Pendant Mount (Includes Box & Quick Mount Plate)
FDFD Double Fusing 208V/240V	PL Polycarbonate Lens (HPS only)		TM One Piece Trunnion Mount (see TM ordering information below)
FDC Single Fusing 347V			
EMQZ Emergency Quartz Restrike			
IRS Instant Restrike Starter (HPF only)			
PWL Pre-lamped (Labor only)			
			TAMPERPROOF OPTIONS
			TPS Tamperproof Screws (Requires tamper proof tool)
			TPT Tamperproof Tool

