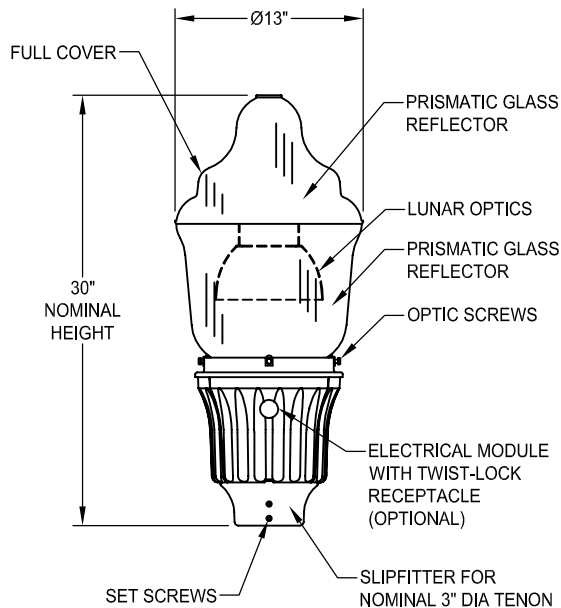


UTILITY GRANVILLE® SERIES™ LUMINAIRE WITH LUNAR OPTICS

MAXIMUM WEIGHT - 48 LBS.
MAXIMUM EFFECTIVE PROJECTED AREA - 1.38 S.F.



BALLAST TYPE (MOGUL BASE)

100HP = 100W HPS
15AHP = 150W 55V HPS

VOLTAGE

12 = 120 VOLT

HOUSING COLOR

B = BLACK

OPTICAL TYPE

7 = IES TYPE III DIST. WITH LUNAR OPTICS (IES) CUTOFF

NO DECORATIVE

FINIAL

N = NONE

TRIM FINISH

B = BLACK

OPTIONS

P = PROTECTED STARTER FOR HPS UNITS ONLY
H = PHOTOCONTROL RECEPTACLE (REQUIRED)
T = BOTH NEMA TWIST-LOCK RECEPTACLE AND PROTECTED STARTER TOGETHER (HPS UNITS ONLY)
FCVRX - FULL DECORATIVE ALUMINUM TOP COVER (FOR X INSERT B, Z, N, G, OR A COLOR)

ACCESSORIES

GV1ASDXX = INTERNAL SHIELD, XX = 90, 120 OR 180 DEGREES OF HOUSE SIDE CUT-OFF (MAINTENANCE USE ONLY)

SPECIFICATIONS

GENERAL DESCRIPTION

THE UTILITY GRANVILLE IS DESIGNED FOR EASE OF MAINTENANCE WITH THE PLUG-IN ELECTRICAL MODULE COMMON TO EACH OF THE LUMINAIRES IN HOLOPHANE'S UTILITY LUMINAIRE SERIES. THE TRADITIONAL ACORN SHAPED LUMINAIRE, WHILE REMINISCENT OF THE 1920'S, CONTAINS A PRECISION OPTICAL SYSTEM THAT MAXIMIZES POST SPACINGS WHILE MAINTAINING UNIFORM ILLUMINATION.

OPTICAL SYSTEM

THE OPTICAL SYSTEM CONSISTS OF A PRECISELY MOLDED THERMAL RESISTANT BOROSILICATE GLASS REFRACTOR AND TOP REFLECTOR. THE GLASS TOP REFLECTOR REDIRECTS OVER 50% OF THE UPWARD LIGHT INTO THE CONTROLLING REFRACTOR WHILE ALLOWING A SOFT UPLIGHT COMPONENT TO DEFINE THE TRADITIONAL ACORN SHAPE OF THE LUMINAIRE. TWO DECORATIVE ALUMINUM COVERS ARE AVAILABLE. THE LOWER REFRACTOR USES PRECISELY MOLDED PRISMS TO MAXIMIZE POLE SPACINGS WHILE MAINTAINING UNIFORM ILLUMINANCE. REFRACTOR I.E.S. TYPE III DISTRIBUTION. THE LUNAR OPTICS ASSEMBLY (IES CUTOFF) IS STANDARD. IT CONSISTS OF AN ALUMINUM PLATE AND ANODIZED, HYDROFORMED REFLECTOR DESIGNED TO RESTRICT INTENSITY AT THE CRITICAL ANGLE.

LUMINAIRE HOUSING

THE LUMINAIRE HOUSING, CAST OF ALUMINUM, PROVIDES AN ENCLOSURE FOR THE PLUG-IN ELECTRICAL MODULE. FOUR UNIQUELY DESIGNED STAINLESS STEEL SPRING CLIPS ENCLOSED IN A CLEAR POLYVINYL CHLORIDE SLEEVE AND ADJUSTED BY HEX HEAD 1/4-20 BOLTS SECURELY CRADLE THE PRISMATIC GLASS REFRACTOR. THE NICKEL PLATED LAMP GRIP SOCKET AND THREE STATION INCOMING LINE TERMINAL BLOCK ARE PREWIRED TO A FIVE CONDUCTOR RECEPTACLE FOR EASE IN CONNECTION THE ELECTRICAL MODULE. THE SLIPFITTER WILL ACCEPT A 3" BY 2-7/8" TO 3-1/8" O.D. TENON.

LUMINAIRE HOUSING / DOOR

CAST OF ALUMINUM, THE HOUSING / DOOR IS REMOVABLE WITHOUT THE USE OF TOOLS AND IS RETAINED BY A NONCONDUCTIVE LANYARD. FOR UNITS WITH AN E.E.I.-N.E.M.A. TWIST LOCK PHOTOCCELL RECEPTACLE, THE DOOR CONTAINS AN ACRYLIC "WINDOW" TO ALLOW LIGHT TO REACH THE CELL.

ELECTRICAL MODULE

THE BALLAST COMPONENTS ARE MOUNTED ON A STEEL PLATE THAT IS REMOVABLE WITHOUT THE USE OF TOOLS. A MATCHING FIVE CONDUCTOR PLUG CONNECTS TO THE RECEPTACLE IN THE LUMINAIRE HOUSING TO COMPLETE THE WIRING. WHERE A STARTING AID IS REQUIRED, IT IS PROVIDED WITH A SEPARATE PLUG-IN CONNECTOR AND CAN BE REPLACED WITHOUT THE USE OF TOOLS. FOR PHOTOELECTRIC OPERATION, THE ELECTRICAL MODULE IS PROVIDED WITH AN E.E.I.-N.E.M.A. TWIST LOCK PHOTOCCELL RECEPTACLE.

BALLASTS


(REFER TO BALLAST DATA SHEET FOR SPECIFIC OPERATION CHARACTERISTICS)
50 WATT 120 VOLT HIGH PRESSURE SODIUM (HPS) BALLASTS ARE HIGH POWER FACTOR REACTOR TYPE. ALL OTHER HPS BALLAST ARE HIGH POWER FACTOR AUTOTRANSFORMER TYPE.

FINISH

THE LUMINAIRE IS FINISHED WITH POLYESTER POWDER PAINT APPLIED AFTER A SEVEN STAGE PRETREATMENT PRECESS TO INSURE MAXIMUM DURABILITY.

UL LISTING

THE LUMINAIRE IS UL LISTED AS SUITABLE FOR WET LOCATIONS AT A MAXIMUM 40 DEGREES C AMBIENT TEMPERATURE.

DATE: 09/04/2007		NOT TO SCALE		CITY OF ELK GROVE - PUBLIC WORKS		APPROVED BY:	
REVISION	BY	APPROVED	DATE	ZONE 2 LUMINAIRE (SERIES 'B')		_____ CITY ENGINEER	
						DRAWING NUMBER	
							
						SL - 35	