## SCHEMATIC LANDSCAPE LIGHTING PLAN



Street/Parking Lot Light



Park Area Light

Down Light Mounted in Arbor

Olive/Accent Tree Uplight

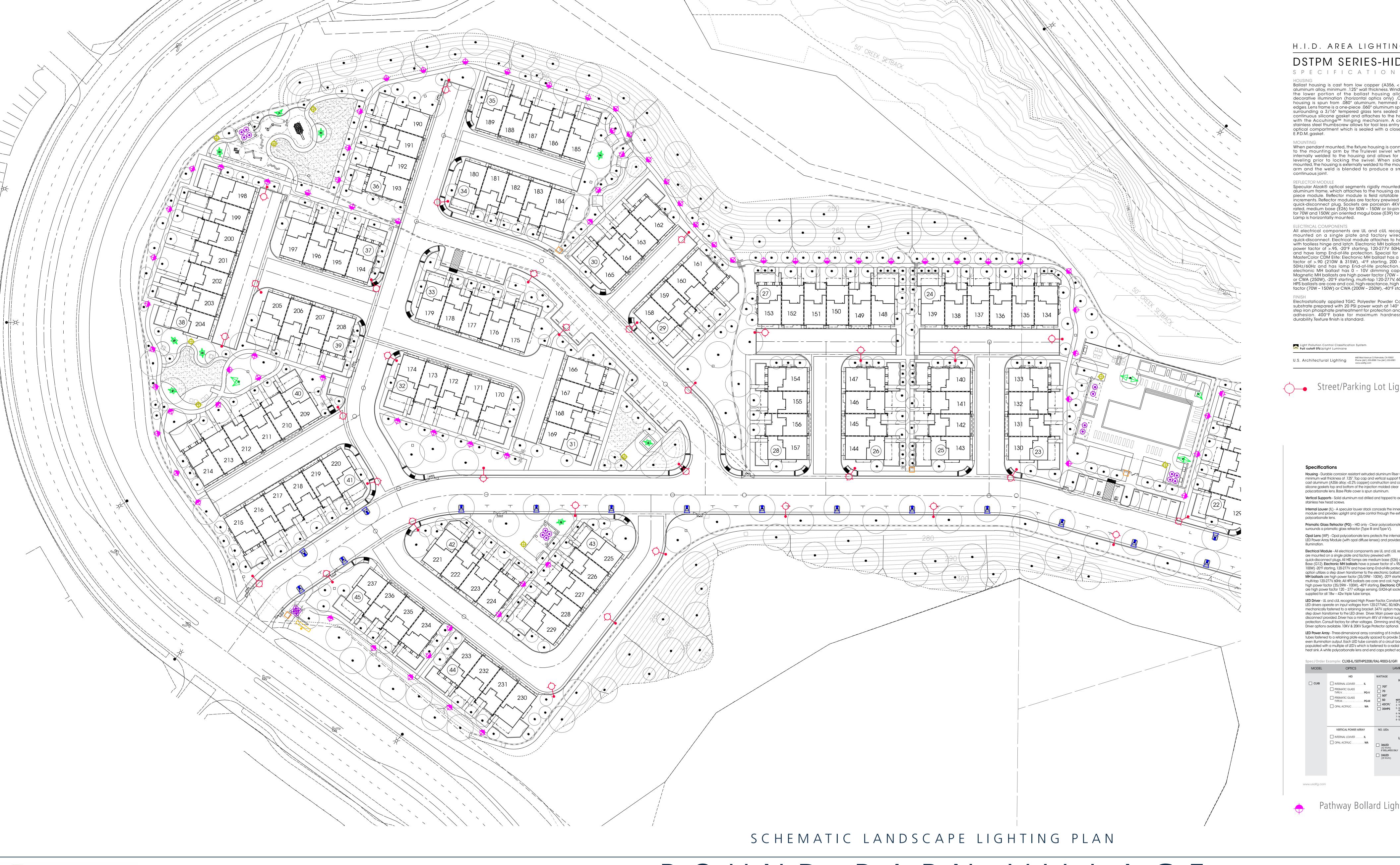
Pathway Bollard Light

Porter Light

Sign Flood Light







H.I.D. AREA LIGHTING

## DSTPM SERIES-HID SPECIFICATIONS

Ballast housing is cast from low copper (A356 aluminum alloy, minimum .125" wall thickness. Withe lower portion of the ballast housing of decorative illumination (horizontal optics only) housing is spun from .080" aluminum, hemme edges. Lens frame is a one-piece .060" aluminu surrounding a 3/16" tempered glass lens seal continuous silicone gasket and attaches to t with the Accuhinge™ hinging mechanism. A stainless steel thumbscrew allows for tool less en optical compartment which is sealed with a c

When pendant mounted, the fixture housing is a to the mounting arm by the Trulevel swivel internally welded to the housing and allows f leveling prior to locking the swivel. When side arm mounted, the housing is externally welded to the mounting arm and the weld is blended to produce a smooth,

REFLECTOR MODULE

Specular Alzak® optical segments rigidly mounted in an aluminum frame, which attaches to the housing as a one piece module. Reflector module is field rotatable in 90° increments. Reflector modules are factory prewired with a quick-disconnect plug. Sockets are porcelain 4KV pulse rated, medium base (E26) for 50W – 150W or bi-pin (G12) for 70W and 150W; pin oriented mogul base (E39) for 250W. Lamp is horizontally mounted.

ELECTRICAL COMPONENTS All electrical components are UL and cUL recognized mounted on a single plate and factory wired with quick-disconnect. Electrical module attaches to housing with toolless hinge and latch. Electronic MH ballasts have power factor of >.95, -20°F starting, 120-277V 50Hz/60Hz and have lamp End-of-life protection. Special for Philips MasterColor CDM Elite: Electronic MH ballast has a power factor of >.90 (210W & 315W), -4°F starting, 200 - 277 50Hz/60Hz and has lamp End-of-life protection. 315W electronic MH ballast has 0 - 10V dimming capability. Magnetic MH ballasts are high power factor (70W - 150W) or ČWA (250W), -20°F starting, multi-tap 120-277V, 60Hz. AÍI HPS ballasts are core and coil, high-reactance, high power factor (70W – 150W) or CWA (200W – 250W), -40°F starting.

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140° F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and

356, < 0.2%) s. Windows in g allow for nly) .Optical med at the um spinning ealed with a the housing n. A captive s entry to the a closed cell	22" 559mm 16" 406mm
s connected vel which is vs for fixture	

phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

U.S. Architectural Lighting

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SOLID STATE AREA LIGHTING PROJECT TYPE:

CIRCULUX SERIES-LED

SPECIFICATIONS

LED POWER ARRAY™

internal components.

diffusing globe.

options available.

One piece high impact polycarbonate lens provided with durable corrosion resistant cast aluminum fitter base.

Heavy gauge formed aluminum reflector. Top is hinged for access. Base has 3" I.D. opening for tenon mounting. All hardware is Stainless Steel.

Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink.

VERTICAL POWER ARRAY™ WITH GLASS REFRACTOR:

LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that

simulates standard light sources. Array is secured within a 6" Prismatic Glass Refractor which provides the optical control. Used in conjunction with a clear

VERTICAL POWER ARRAY™: LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources.

Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with an opal smooth

High Output LED's are driven at 350mA for nominal 1 Watt

output each. LED's are available in standard Neutral

White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC.

Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV

Surge Protector optional. Dimming and High-Low Driver

Polyester powder coat incorporates four step iron

An acrylic Lens and end cap protects the LED Tube's

Housing - Durable corrosion resistant extruded aluminum Riser with a minimum wall thickness of .125". Top cap and vertical support flanges are cast aluminum (A356 alloy; <0.2% copper) construction and compress silicone gaskets top and bottom of the injection molded clear

polycarbonate lens. Base Plate cover is spun aluminum. Vertical Supports - Solid aluminum rod drilled and tapped to accept stainless hex head screws. Internal Louver (IL) - A specular louver stack conceals the inner lamp module and provides uplight and glare control through the external clear

Prismatic Glass Refractor (PG) - HID only - Clear polycarbonate lens surrounds a prismatic glass refractor (Type III and Type V). Opal Lens (WP) - Opal polycarbonate lens protects the internal lamp or LED Power Array Module (with opal diffuse lenses) and provides uniform Electrical Module - All electrical components are UL and cUL recognized

are mounted on a single plate and factory prewired with quick-disconnect plugs. All HID lamps are medium base (E26) or Bi-pin Base (G12). Electronic MH ballasts have a power factor of >.95 (35/39W -100W) -20°F starting, 120-277V and have lamp End-of-life protection. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor (35/39W - 100W), -20°F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (35/39W - 100W), -40°F starting. Electronic CFL ballasts are high power factor 120 - 277 voltage sensing. GX24-q4 socket supplied for all 18w - 42w triple tube lamps. LED Driver - UL and cUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz and is mechanically fastened to a retaining bracket. 347V option may utilize a

step down transformer to the LED driver. Driver. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection. Consult factory for other voltages. Dimming and High-Low Driver options available. 10KV & 20KV Surge Protector optional. LED Power Array - Three-dimensional array consisting of 6 individual LED tubes fastened to a retaining plate equally spaced to provide 360° of even illumination output. Each LED tube consists of a circuit board

tube's internal components and provides diffusion to prevent shadowing Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron populated with a multiple of LED's which is fastened to a radial aluminum phosphate pretreatment for protection and paint adhesion. 400°F bake for heat sink. A white polycarbonate lens and end caps protect each LED maximum hardness and durability.

MODEL	OPTICS	LAMP/LED MODE		VOLTAGE	FINISH	OPTIONS
СІХВ	HID  INTERNAL LOUVER IL  PRISMATIC GLASS TYPE-V PG-V  PRISMATIC GLASS TYPE-III PG-III  OPAL ACRYLIC WA	42CFL 4 - TUBL 35HPS 5 - GX24 6 - N/A F 7 - N/A F 8 - GX24	PSMH HPS  ABLE IN 8° BOLLARD ONLY LAR LAMP, G12 BASE Q-4 BASE SUITABLE FOR 18 THRU TIT TRIPLE TUBE LAMPS OR 35HPS ANFD 50HPS OR 35HPS Q-5 BASE	VOLTAGE  120 208° 240 277' 347 480	STANDARD TEXTURED FINISH  BLACK RAL-9005-T  WHITE RAL-9003-T  GREY RAL-7004-T  DARK BRONZE RAL-8019-T	INTERNAL HOUSE SIDE SHIEL  90° HS  135° HS  180° HS  DIMMABLE DRIVER(S)  (0-10V) DI  HIGH-LOW DIMMING FOR HARDWIRED SWITCH OR NON-INTEGRATED MOTION SENSOR HI  DUPLEX RECEPTACLE DI
	VERTICAL POWER ARRAY  INTERNAL LOUVER IL  OPAL ACRYLIC WA	NO. LEDS  LED  36LED (42 Watts) 8" BOLLARDS ONLY  24LED (28 Watts)	COLOR TEMP - CCT  NW (4000K)* *STANDARD  CW (5000K)  WW (3000K)  OTHER LED COLORS AVAILABLE CONSULT FACTORY		GREEN RAL-6005-T  FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH REPLACE SUFFIX "S" (EXAMPLE: RAL-9005-S)  CONSULT FACTORY FOR CUSTOM COLORS	GROUND FAULT RECEPTACLE

Pathway Bollard Light

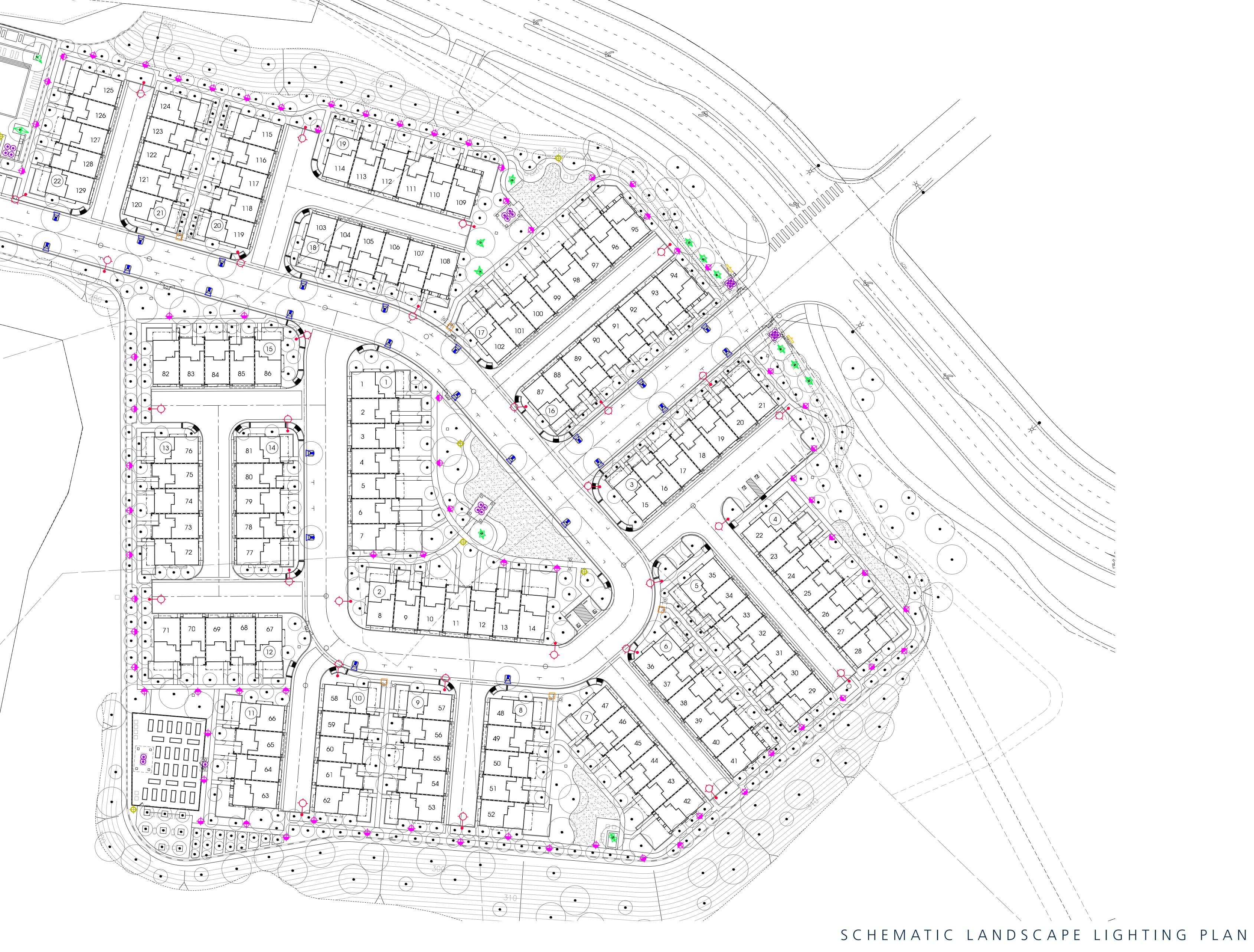


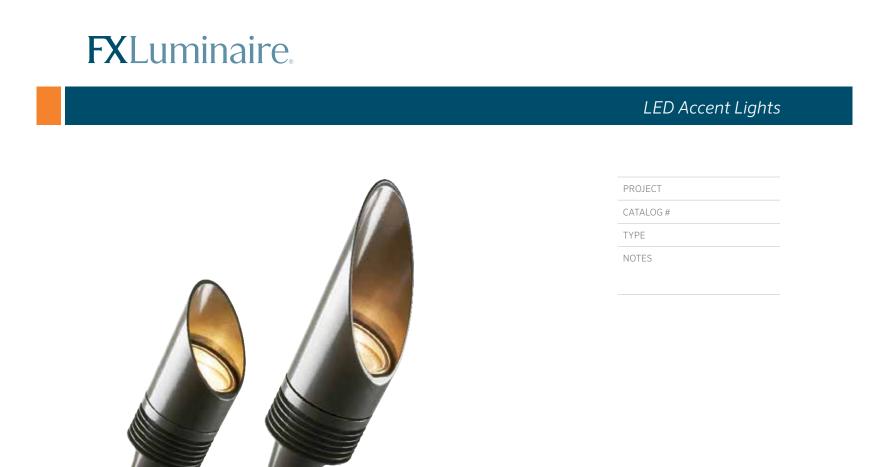
Mission Beach PRODUCT SKU: B6351 Textured Black Use LED (not included) WIDTH: HEIGHT:

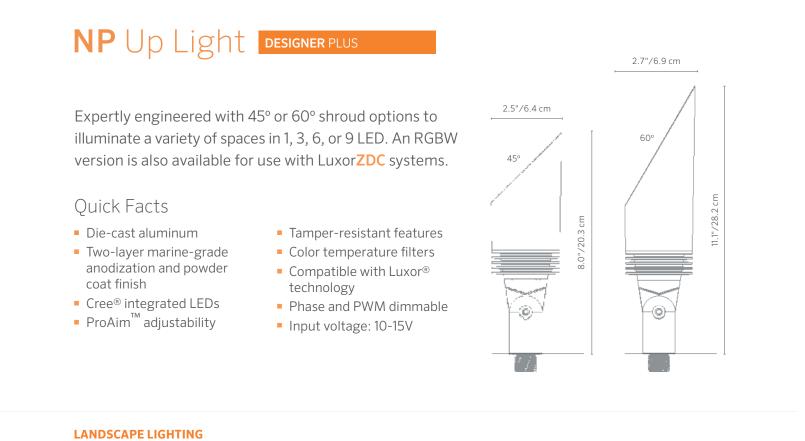
U.S. ARCHITECTURAL









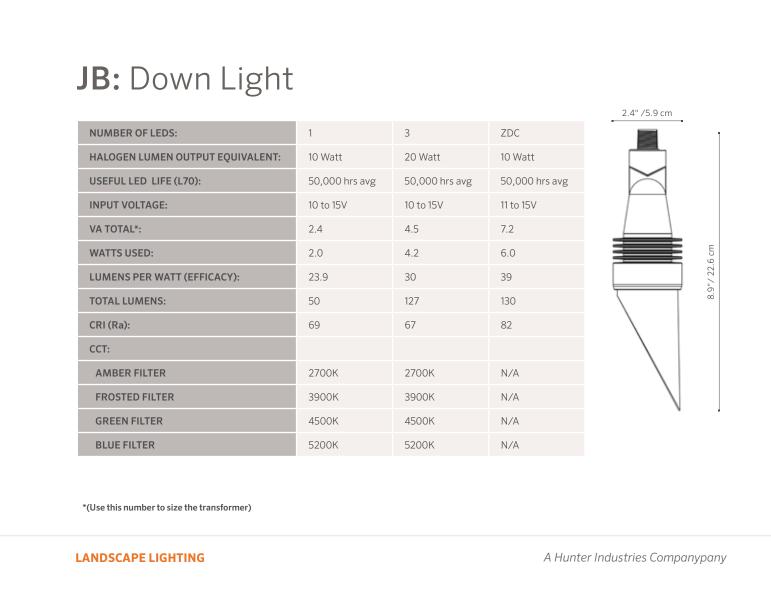


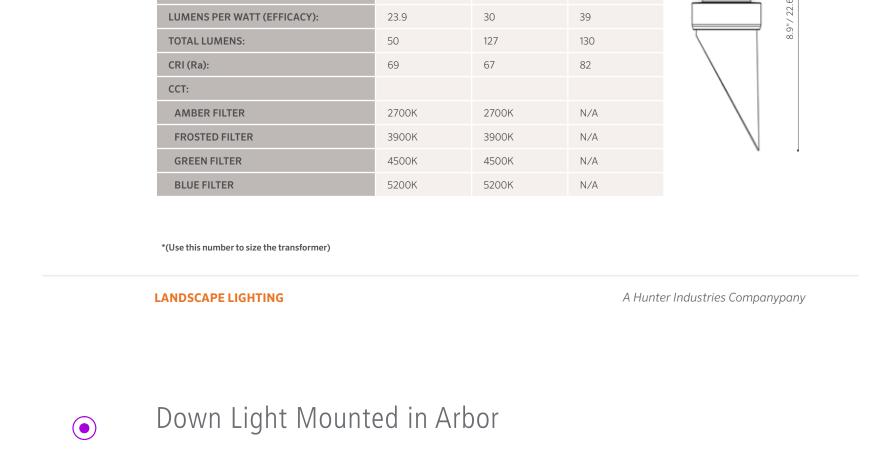


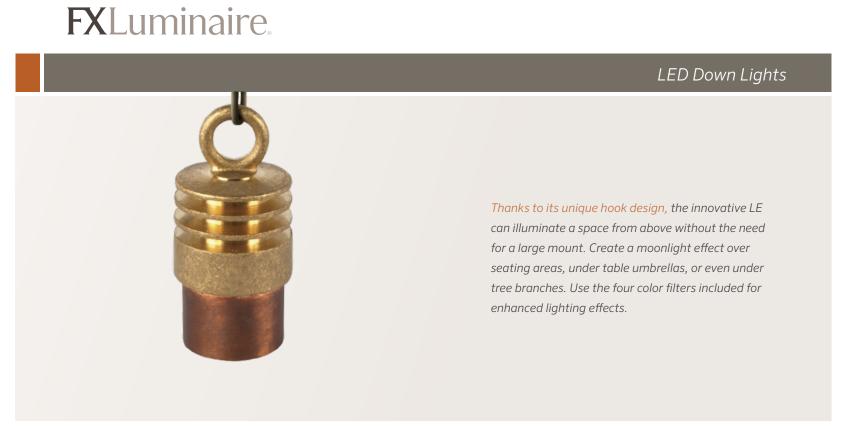


**FX**Luminaire.

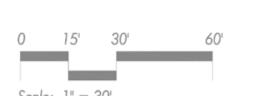
















City Ventures