PEDESTRIAN SITE LIGHTING
POLE MOUNTED

G2™ DESIGNS
G2XTENDdome
G2XTENDwedge
EXPANDING THE G2™ DESIGN SIGNATURE.

G2 designs by Hydrel represent a fresh vision in outdoor lighting: bisecting geometric forms, elegantly formed to complement surrounding architecture.

G2XTEND pole mounted pedestrian site lighting marries this distinct aesthetic with legendary Hydrel performance, including selection of four full cutoff optical distributions, all rotatable in 90° increments.
The dome or wedge shaped housings – in single or multiple configurations – extend seamlessly from extruded aluminum poles, echoing the buildings, walkways and surrounding landscape. Just 3–3/4” wide, the understated luminaires virtually disappear in straight-on view, while hovering elegantly in side view over illuminated paths.

And G2XTEND is compatible with other G2 design signature lighting products, so a singular look can be presented from building surface to the far reaches of a site.

A PERFECTLY NATURAL SOLUTION.

G2™XTEND luminaires are at home in a variety of applications such as pathways and walkways, plazas, campuses, building entrances, parking areas and avenues.

The minimal, sculptural forms complement a variety of building styles and site design schemes. And G2XTEND’s high-quality materials and construction, featuring premium powder-coated finishes, will endure virtually all environmental conditions over decades of use.

INSET LEFT  G2XTEND is offered with optional custom finishes.
Choose wedge or dome shaped forms to harmonize with contiguous architecture and landscaping.

The distinctive elegance of Hydrel’s G2™ design signature may be extended from pedestrian applications to nearby building exteriors. Here, G2XTEND dome pole mounted luminaires are complemented by G2EDGE dome building mounted fixtures.
Add a distinctive design element by day – and high-performance illumination after dark – to parking areas, urban walkways, even oceanside boardwalks, where G2™XTEND luminaires are built to tolerate the corrosive sea air.
A DESIGN + PERFORMANCE EDGE.

With G2™XTEND, you’ll select from four full cutoff, directional optical packages to meet specific needs for light distribution.

Light patterns are exceptionally uniform, and can be easily rotated in 90° increments to provide exacting coverage. Internal glare controls eliminate unwanted light, meeting local dark sky and light trespass guidelines without obtrusive external shields. Extraordinary engineering incorporates the most advanced light distribution management systems, delivering high quality illumination with cost-saving efficiency.

Hydrel’s unique ability to blend design + performance makes G2XTEND the right choice for so many outdoor lighting needs.
G2XTEND luminaires project no light above the horizon, earning the I.E.S. classification of Full Cutoff. A full range of optical systems and optional internal shields give the designer the tools to avoid light trespass. (I.E.S Type IV with optional backlight shield shown.)

G2XTEND ALLOWS YOU TO SUBSTANTIALLY ALTER LIGHTING PATTERNS BY SIMPLY ROTATING THE OPTICAL SYSTEMS.

Typical orientation of reflectors for parking lot lighting.

Typical orientation of reflectors for lighting from perimeters, or for increasing light levels.
**G2XTEND**

**CONCEPT**
G2XTEND offers geometric unity between luminaire housing and pole. A choice of luminaire orientation gives the designer distinctive viewing characteristics. Straight on, G2XTEND virtually disappears into the landscape architecture... and from a side view, G2XTEND hovers elegantly over its intended lighting objective. Choice of small-scale dome or wedge shaped enclosures house a range of high-performance optical systems for path, plaza and parking areas. Go to www.hydrel.com to view product portraits.

**MATERIALS**

**FINISH**
TGIC polyester powder coated in a range of textured semi-matte gray tone or earth tone colors. Two-tone textural finishes are optional.

**DIMENSIONS**

**RIGHT** Hydrel luminaires are rugged, impenetrable and uncommonly reliable. G2XTEND has been extensively tested and is IP65 certified.
### G2XTEND ORDERING SCOPE

<table>
<thead>
<tr>
<th>1 PRODUCT</th>
<th>2 LAMP</th>
<th>3 VOLTAGE</th>
<th>4 DISTRIBUTION</th>
<th>5 MOUNTING</th>
<th>6 OPTIONS</th>
<th>7 FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>G2XD</td>
<td>150M</td>
<td>277</td>
<td>SR2</td>
<td>SPA</td>
<td>BLS</td>
<td>DBLB</td>
</tr>
<tr>
<td>G2XD</td>
<td>150M</td>
<td>277</td>
<td>SR3</td>
<td>SPA</td>
<td>DF</td>
<td>DSPD</td>
</tr>
<tr>
<td>G2XD</td>
<td>150M</td>
<td>277</td>
<td>SR4SC</td>
<td>SPA</td>
<td>LF</td>
<td>DNAT</td>
</tr>
<tr>
<td>G2XD</td>
<td>150M</td>
<td>277</td>
<td>SR5S</td>
<td>SPA</td>
<td>CP</td>
<td>DWHG</td>
</tr>
<tr>
<td>G2W</td>
<td>150M</td>
<td>277</td>
<td>SR2</td>
<td>RPA</td>
<td>PE</td>
<td>DDBT</td>
</tr>
<tr>
<td>G2W</td>
<td>150M</td>
<td>277</td>
<td>SR3</td>
<td>RPA</td>
<td>OLS</td>
<td>DSPF</td>
</tr>
<tr>
<td>G2W</td>
<td>150M</td>
<td>277</td>
<td>SR4SC</td>
<td>RPA</td>
<td></td>
<td>DSST</td>
</tr>
<tr>
<td>G2W</td>
<td>150M</td>
<td>277</td>
<td>SR5S</td>
<td>RPA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### EX:
- **G2XD 150M 277 SR2 SPA PE DBLB**

#### OPTIONS:
- **BLS** Bi-Level Switching: 50% Light Reduction. Connect to auxiliary switched circuit
- **DF** Double Fuse, Inline: 208/240/480V
- **SF** Single Fuse, Inline: 120/277/347V
- **PE** Photo-Electric Cell: Button type
- **IBS** Internal Backlight Shield
- **LPI** Lamp Included
- **CF** Custom Finish: Contact Factory
- **GEB** Electronic Ballast
- **OLS** Obscuring Lens: Micro-prism lens conceals lamp & optics from daytime view

#### FINISHES:
- **DBLB** Black, Textured, Semi-matte
- **DSPD** Dark Gray, Textured, Semi-matte
- **DNAT** Natural Alum, Textured, Semi-matte
- **DWHG** White, Textured, Semi-matte
- **DDBT** Dark Bronze, Textured, Semi-matte
- **DSPF** Rust, Textured, Semi-matte
- **DSST** Sandstone, Textured, Semi-matte

#### VOLTAGE:
- **120 60HZ**
- **208 60HZ**
- **240 60HZ**
- **277 60HZ**
- **347 60HZ**
- **480 60HZ**
- **TB 60HZ Multi-tap: 120/208/240/277**
- **220 50HZ**
- **230 50HZ**
- **240 50HZ**

#### DISTRIBUTION:
- **SR2** I.E.S Type II: Wide Throw
- **SR3** I.E.S Type III: Medium Throw
- **SR4SC** I.E.S Type IV, Forward Throw
- **SR5S** I.E.S Type V: Symmetric Square

#### MOUNTING:
- **SPA** Square Pole Mount
- **RPA** Round Pole Adapter

### CERTIFICATIONS
- UL | CUL Listed Wet Location • I.E.S. Full-Cutoff • IP65 Rated
## G2XTEND POLE ORDERING SCOPE

<table>
<thead>
<tr>
<th>1 TYPE</th>
<th>2 HEIGHT</th>
<th>3 SIZE</th>
<th>4 DRILLING</th>
<th>5 OPTIONS</th>
<th>6 FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDSSAG2</td>
<td>12</td>
<td>3-75</td>
<td>DM28G2X</td>
<td>FDL</td>
<td>DBLB</td>
</tr>
</tbody>
</table>

### 1 POLE TYPE
- HYDSSAG2: G2 Square Straight Aluminum
- HYDSSA: Square Straight Aluminum
- HYDSSS: Square Straight Steel
- HYDRSA: Round Straight Aluminum
- HYDRSS: Round Straight Steel

### 2 POLE HEIGHT
- 10
- 12
- 14
- 16

### 3 POLE SIZE
- 3-75" G2 POLE: 3-3/4" Sq Straight Aluminum w/ Reveals
- 4 Inch Square or Round

### 4 POLE DRILLING
- DM19G2X: Single luminaire drilling
- DM28G2X: Two luminaires at 180°
- DM29G2X: Two luminaires at 90°
- DM39G2X: Three luminaires at 90°
- DM49G2X: Four luminaires at 90°

### 5 OPTIONS
- FBC: Full Base Cover for 4-inch aluminum poles
- FDL: Duplex Receptacle located at hand-hole
- FGL: Single GFCI Receptacle located at hand-hole

### 6 FINISHES
- DBLB: Black, Textured, Semi-matte
- DSPD: Dark Gray, Textured, Semi-matte
- DNAT: Natural Alum, Textured, Semi-matte
- DWHG: White, Textured, Semi-matte
- DDBT: Dark Bronze, Textured, Semi-matte
- DSPF: Rust, Textured, Semi-matte
- DSST: Sandstone, Textured, Semi-matte

### SINGLE LUMINAIRE

<table>
<thead>
<tr>
<th>Type</th>
<th>G2XTENDdome</th>
<th>G2XTENDwedge</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA(FT²)</td>
<td>1.41</td>
<td>1.45</td>
</tr>
<tr>
<td>MAXIMUM WEIGHT(LBS.)</td>
<td>26.5</td>
<td>29.5</td>
</tr>
</tbody>
</table>

### MAX ALLOWABLE LUMINAIRE EPA (FT²) WITH 1.3 GUST

<table>
<thead>
<tr>
<th>HYDREL G2 POLE</th>
<th>3.75 INCH STRAIGHT SQUARE</th>
<th>4 INCH STRAIGHT SQUARE</th>
<th>4 INCH STRAIGHT ROUND</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM .250&quot; WALL THICKNESS</td>
<td>ALUMINUM .125&quot; WALL (SEE NOTE A)</td>
<td>STEEL .125&quot; WALL THICKNESS</td>
<td>ALUMINUM .125&quot; WALL THICKNESS</td>
</tr>
<tr>
<td>POLE HEIGHT</td>
<td>80 MPH</td>
<td>90 MPH</td>
<td>120 MPH</td>
</tr>
<tr>
<td>16'</td>
<td>6.1</td>
<td>4.0</td>
<td>2.4</td>
</tr>
<tr>
<td>14'</td>
<td>9.4</td>
<td>6.7</td>
<td>4.7</td>
</tr>
<tr>
<td>12'</td>
<td>14.0</td>
<td>10.4</td>
<td>7.9</td>
</tr>
<tr>
<td>10'</td>
<td>18.2</td>
<td>14.0</td>
<td>10.8</td>
</tr>
</tbody>
</table>

*Note A: 16-foot HYDSSA pole wall thickness is .188"*

DESIGNS SUBJECT TO CHANGE WITHOUT NOTICE. PATENTS PENDING.
ALUMINUM POLE MATERIALS
Pole shafts are one-piece extruded 6063-T6 or 6061-T6 aluminum. Anchor bases are cast A356 aluminum, heat-treated to a T6 temper, then continuously welded to the pole shaft for maximum support.

STEEL POLE MATERIALS
Pole shafts are one-piece carbon steel with one welded vertical seam. Square pole edges have a small corner radii. Anchor bases are fabricated from carbon steel plate and continuously welded to the pole shaft for maximum strength.

OTHER MATERIALS
Pole top caps are aluminum or non-metallic and are flush mounted. Base covers are two-piece aluminum with stainless steel fasteners. Handholes are reinforced and located 18-inches above the base. Anchor bolts are steel with minimum yield strength of 55,000 PSI. Bolts are galvanized the top 12 inches per ASTM A-153.

FINISH
Poles are polyester powder coated in a range of textured semi-matte gray tone or earth tone colors.

For complete details on G2XTEND poles, please visit www.hydrel.com or refer to specifications sheets.
compatible G2™ building mounted luminaires