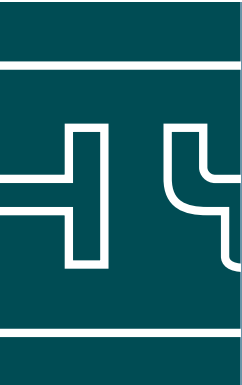


HYDREL

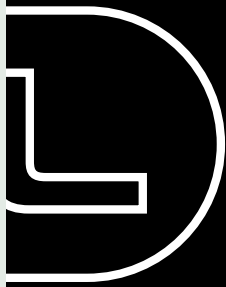
G2



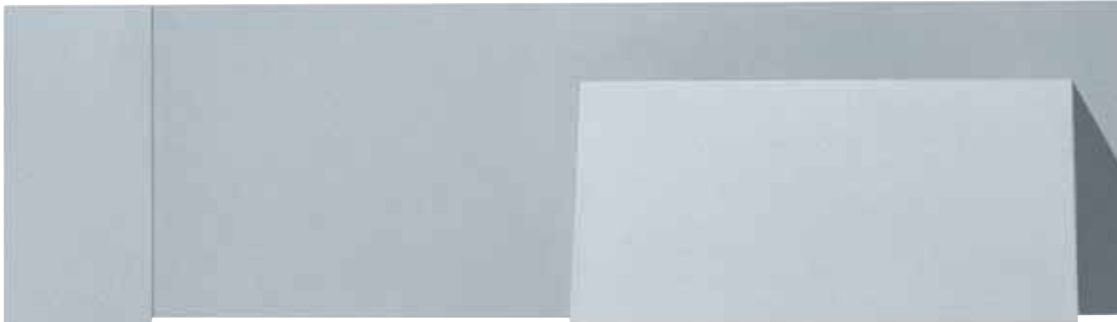
PEDESTRIAN SITE
LIGHTING
POLE MOUNTED

G2™ DESIGNS

G2XTENDdome
G2XTENDwedge



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.

G2XTENDdome

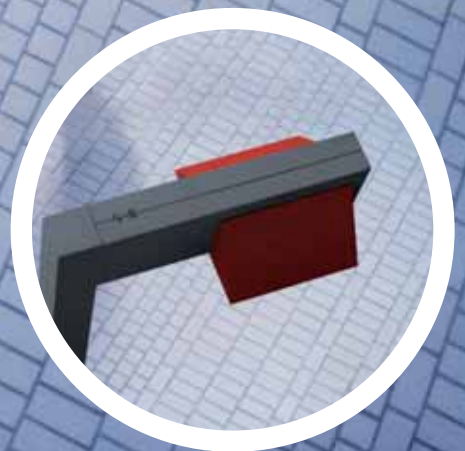


The dome or wedge shaped housings – in single or multiple configurations – extend seamlessly from extruded aluminum poles, echoing the buildings, walkways and surrounding landscape. Just 3-3/4” wide, the understated luminaires virtually disappear in straight-on view, while hovering elegantly in side 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.



Visit www.hydre.com for downloadable product portraits of G2XTENDdome and G2XTENDwedge.



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.

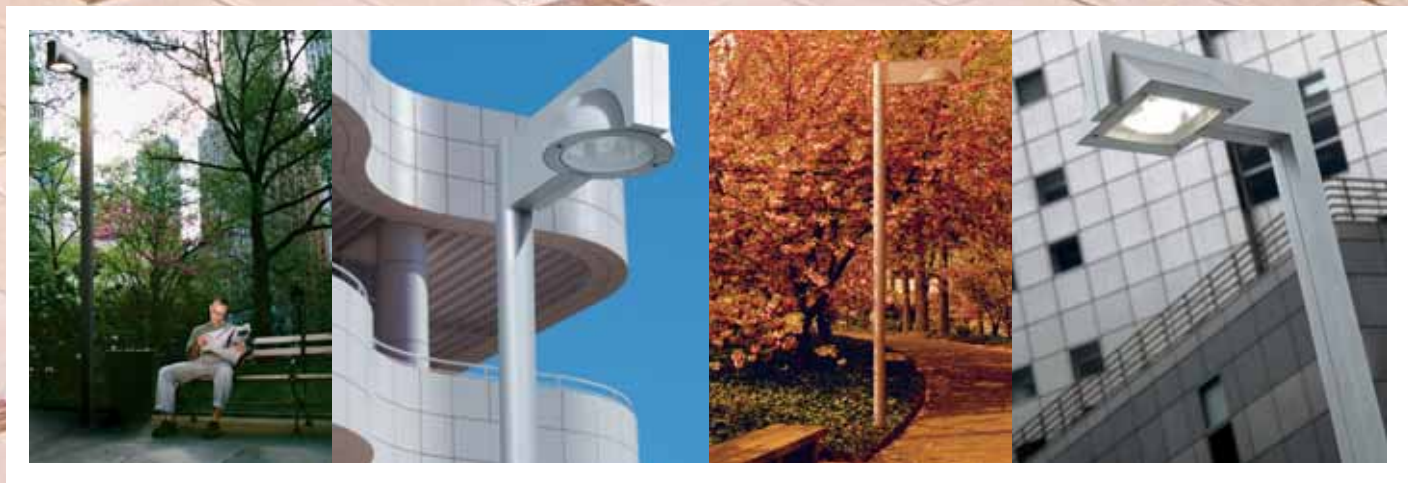
The minimal, sculptural forms complement a variety of building styles and site design schemes. And G2XTEND's high-quality materials and construction, featuring premium powder-coated finishes, will endure virtually all environmental conditions over decades of use.

INSET LEFT G2XTEND is offered with optional custom finishes.





The distinctive elegance of Hydrel's G2™ design signature may be extended from pedestrian applications to nearby building exteriors. Here, G2XTENDdome pole mounted luminaires are complemented by G2EDGEdome building mounted fixtures.



Choose wedge or dome shaped forms to harmonize with contiguous architecture and landscaping.



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.

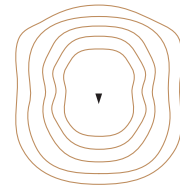
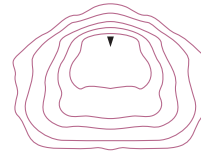
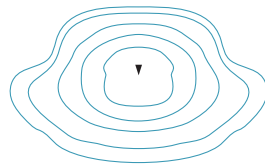
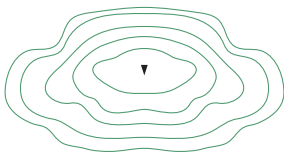
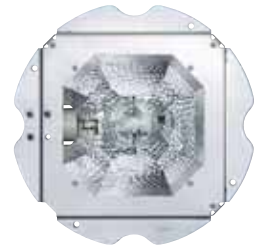
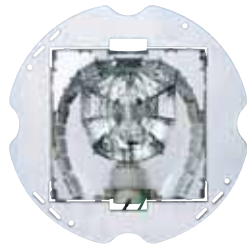


A DESIGN + PERFORMANCE EDGE.

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.

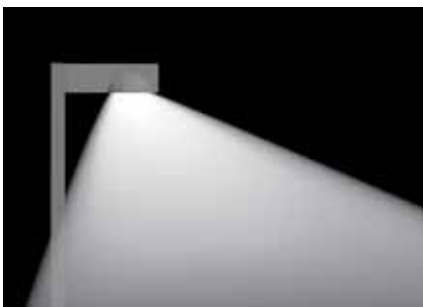
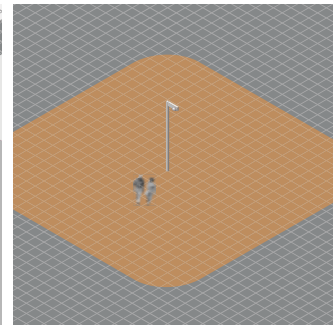
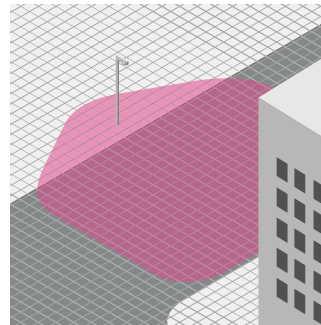
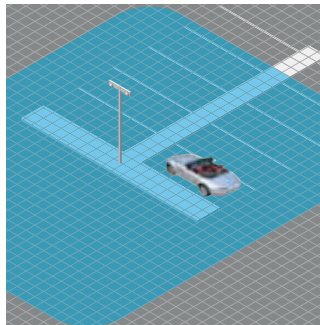
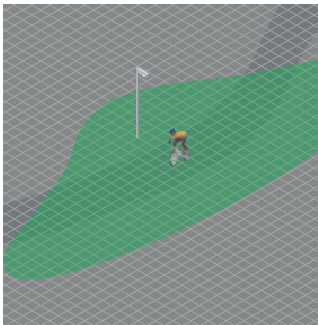


SR2 I.E.S. TYPE II
WIDE THROW

SR3 I.E.S. TYPE III
MEDIUM THROW

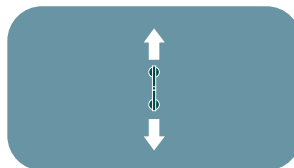
SR4SC I.E.S. TYPE IV
FORWARD THROW

SR5S I.E.S. TYPE V
SYMMETRIC SQUARE

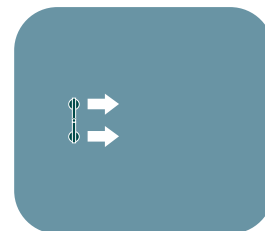


G2XTEND luminaires project no light above the horizon, earning the I.E.S. classification of Full Cutoff. A full range of optical systems and optional internal shields give the designer the tools to avoid light trespass. (I.E.S Type IV with optional backlight shield shown.)

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

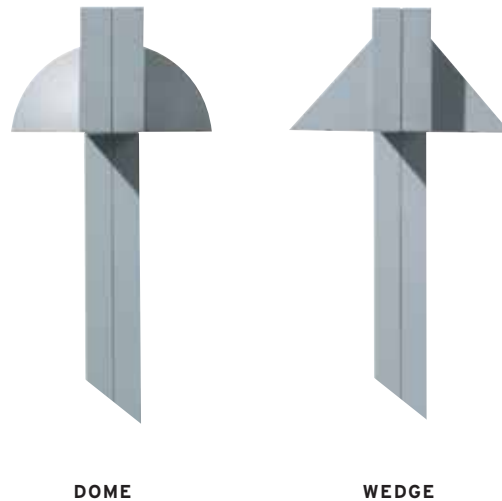


Typical orientation of reflectors for parking lot lighting.



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.hydel.com to view product portraits.

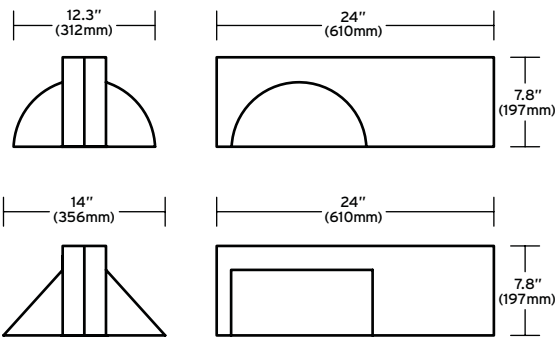
MATERIALS

Premium A360 aluminum alloy diecast housings and door frames. Anodized aluminum reflectors with surface finishes from diffuse to highly specular. Silicone gasketing. Tempered glass lenses. Stainless steel fasteners.

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

	1 PRODUCT	2 LAMP	3 VOLTAGE	4 DISTRIBUTION	5 MOUNTING	6 OPTIONS	7 FINISH
EX:	G2XD	150M	277	SR2	SPA	PE	DBLB

1 PRODUCT

- G2XD G2XTENDdome
- G2XW G2XTENDwedge

2 LAMPS-U.S.

- 175M MH, E17, Medium Base
- 150M MH, E17, Medium Base
- 100M MH, E17, Medium Base
- 70M MH, E17, Medium Base
- 150CMT6 MH, T6, G12 Base
- 70CMT6 MH, T6, G12 Base

- 150S HPS, E17, Medium Base
- 100S HPS, E17, Medium Base
- 70S HPS, E17, Medium Base

LAMPS-INTERNATIONAL

- 150M MH, Elliptical, E27 Base
- 100M MH, Elliptical, E27 Base
- 70M MH, Elliptical, E27 Base
- 150CMT6 MH, T6, G12 Base
- 70CMT6 MH, T6, G12 Base
- 70S HPS, Elliptical, E27 Base

3 VOLTAGE

- 120 60HZ
- 208 60HZ
- 240 60HZ
- 277 60HZ
- 347 60HZ
- 480 60HZ
- TB 60HZ, Multi-tap, 120/208/240/277
- 22050HZ 50HZ
- 23050HZ 50HZ
- 24050HZ 50HZ

4 LIGHT 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








5 MOUNTING

- SPA Square Pole Mount
- RPA Round Pole Adapter

6 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)

7 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

FINISH-OPTIONAL

- GLS Smooth Gloss painted dome or wedge enclosure
The blending of a textured matte housing with a smooth glossy dome or wedge enclosure creates a subtle differentiation of two geometric forms.
To Order: First...select the desired textured color for the main housing; e.g. DBLB (Black)
Next...add the optional finish designator; e.g. DBLB / GLS
- CP Chrome Plated enclosure
A highly polished dome or wedge enclosure, reflecting its surround, merges with a textured painted housing.
To Order: First...select the desired standard finish / color; e.g. DNAT (Natural Alum)
Next...add the optional finish designator; e.g. DNAT / CP

CERTIFICATIONS

UL | CUL Listed Wet Location • I.E.S. Full-Cutoff • IP65 Rated

HYDREL

G2XTEND POLE ORDERING SCOPE

	1 TYPE	2 HEIGHT	3 SIZE	4 DRILLING	5 OPTIONS	6 FINISH
EX:	HYDSSAG2	12	3-75	DM28G2X	FDL	DBLB

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 nominal

- 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	G2XTENDdome	G2XTENDwedge
EPA(FT ²)	1.41	1.45
MAXIMUM WEIGHT(LBS.)	26.5	29.5

MAX ALLOWABLE LUMINAIRE EPA (FT²) WITH 1.3 GUST

POLE HEIGHT	HYDREL G2 POLE 3.75 INCH STRAIGHT SQUARE			4 INCH STRAIGHT SQUARE						4 INCH STRAIGHT ROUND					
	ALUMINUM .250" WALL THICKNESS			ALUMINUM .125" WALL (SEE NOTE A)			STEEL .125" WALL THICKNESS			ALUMINUM .125" WALL THICKNESS			STEEL 120" WALL THICKNESS		
	80 MPH	90 MPH	100 MPH	80 MPH	90 MPH	100 MPH	80 MPH	90 MPH	100 MPH	80 MPH	90 MPH	100 MPH	80 MPH	90 MPH	100 MPH
16'	6.1	4.0	2.4	11.8 ^A	8.5 ^A	6.2 ^A	15.9	11.8	8.9	2.8	1.6	N/A	9.6	7.4	5.9
14'	9.4	6.7	4.7	9.3	6.7	4.8	19.9	15.1	11.7	4.1	2.8	1.9	12.2	9.4	7.6
12'	14.0	10.4	7.9	12.4	9.2	6.9	24.4	18.8	14.8	6.0	4.3	3.2	15.0	11.8	9.5
10'	18.2	14.0	10.8	11.5	8.6	6.5	30.6	23.8	18.9	8.2	6.1	4.7	19.1	15.0	12.2

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



DESIGNS SUBJECT TO CHANGE WITHOUT NOTICE. PATENTS PENDING.

G2 POLE RIGHT

Hydrel's 3-3/4" G2 Pole precisely matches the dimensions and characteristics of the G2XTEND luminaire, completing the design signature. A distinctive reveal begins at the luminaire and continues down the pole, wrapping over the special base cover, giving pedestrians a finished appearance at ground level and above.

OTHER POLES CENTER AND FAR RIGHT

Four-inch straight square and round aluminum or steel poles are also available for G2XTEND.

Note: All luminaire/pole assemblies require proper evaluation to ensure that structural integrity is not compromised when applied in specific wind conditions. See technical data available online.

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

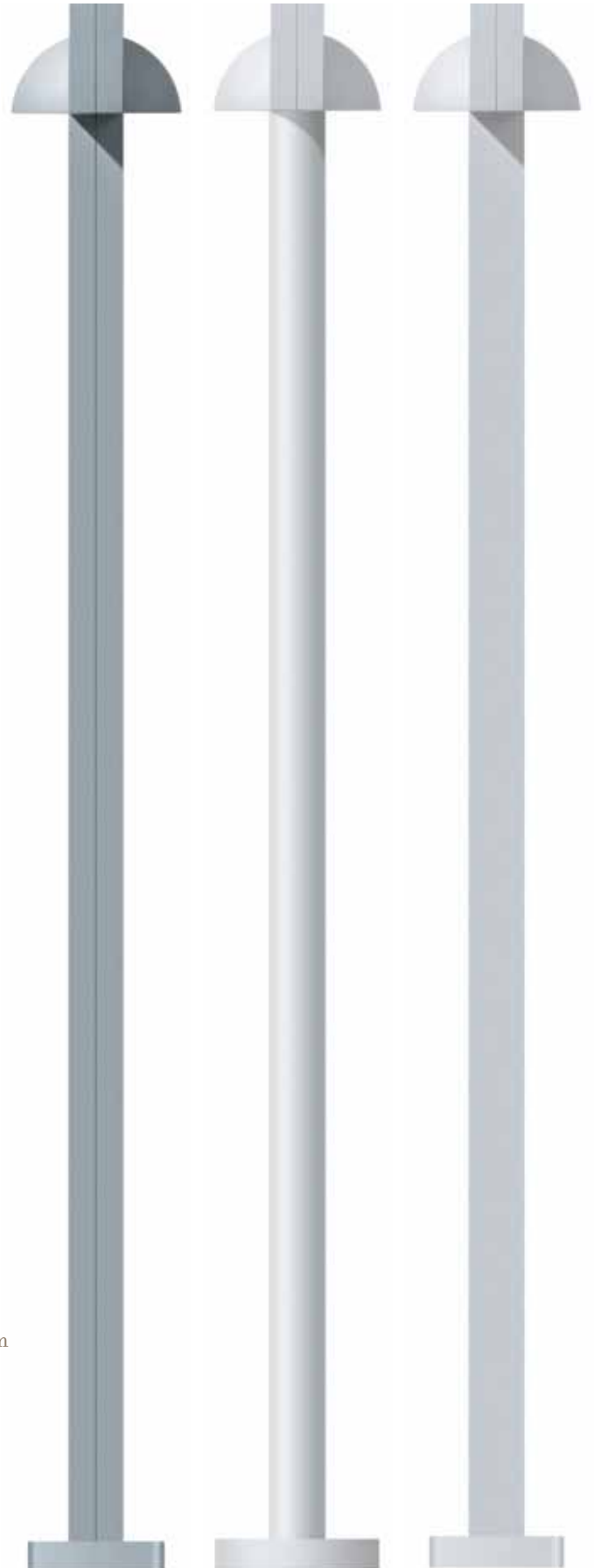
Pole top caps are aluminum or non-metallic and are flush mounted. Base covers are two-piece aluminum with stainless steel fasteners. Handholes are reinforced and located 18-inches above the base. Anchor bolts are steel with minimum yield strength of 55,000 PSI. Bolts are galvanized the top 12 inches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

HYDREL





HYDREL



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