

SHUFFLE SOS

landscapeforms®

Spec Sheet | DP400



Prevent. Locate. Assist. Rescue. Created in collaboration with Schröder, a global leader in lighting and smart-city technologies, SHUFFLE combines advanced technology and modern design to bring unparalleled new functionality to outdoor spaces. SHUFFLE SOS is specially configured to quickly and easily help people and emergency services in critical situations. SHUFFLE SOS provides an invaluable lifeline and welcoming sense of reassurance to spaces like university and business campuses, tourist areas, concert and sport venues, and military bases where safety is paramount.

Housing & Materials

Modules are carefully designed and manufactured from high-grade, die-cast, high-pressure aluminum with clear or frosted lens used to secure and protect the module from the elements. Extruded aluminum is also used to achieve the cylindrical shape, with fasteners in stainless steel. The housing is finished with a high-grade polyester powdercoat.

Electrical

360 Light + Strobe: 120V through 277V 50/60 Hz integrated electronic driver. 1-10V dimming. -40°C start temperature. Available with optional ANSI C136.41 twist lock receptacle. Strobe uses 24 VDC input voltage and can be linked to the intercom.

Horn: 24VDC input voltage. 50 / 60Hz. -30°C start temperature. 74dB default setting but can be set up to 105dB and can be linked to the intercom.

Light Ring: 120V through 277V 50/60 Hz integrated electronic driver and can be linked to the intercom. -40°C start temperature.

180 Camera: PoE (Power over Ethernet) power supply. -30°C start temperature.

Quadview Camera: 24 VDC external power supply. -30°C start temperature.

Intercom: 120V through 277V 50/60 Hz nominal voltage. -30° C start temperature. 24 VDC external power supply.

TM21 L95: 100,000 hrs

Protection Class: IP66

Light Engines

High powered LEDs mounted to a RoHS compliant circuit board with PMMA optics affixed to each LED on the board. Available in 3000K and 4000K. >80 CRI for 3000K and >70 CRI for 4000K.

Luminaire Control System

The Schröder EXEDRA system architecture is designed to interact with other software and hardware solutions seamlessly. Unlike proprietary systems that prevent interoperability and generate vendor lock-in or expensive proprietary integrations, Schröder EXEDRA is a whole solution based on open standards and protocols.

[Click here](#) for more information on EXEDRA.

Distributions



TII



TIII



TIV



TV

Warranty

Schröder warrants that each the Schröder® branded LED luminaire named "SHUFFLE" will be free from defects in materials and workmanship for a period of five (5) years, subject to all conditions and limitations contained in the complete warranty document dated June 1, 2019.

Certification

UL Listed for Wet Location, CE, RoHS Compliant

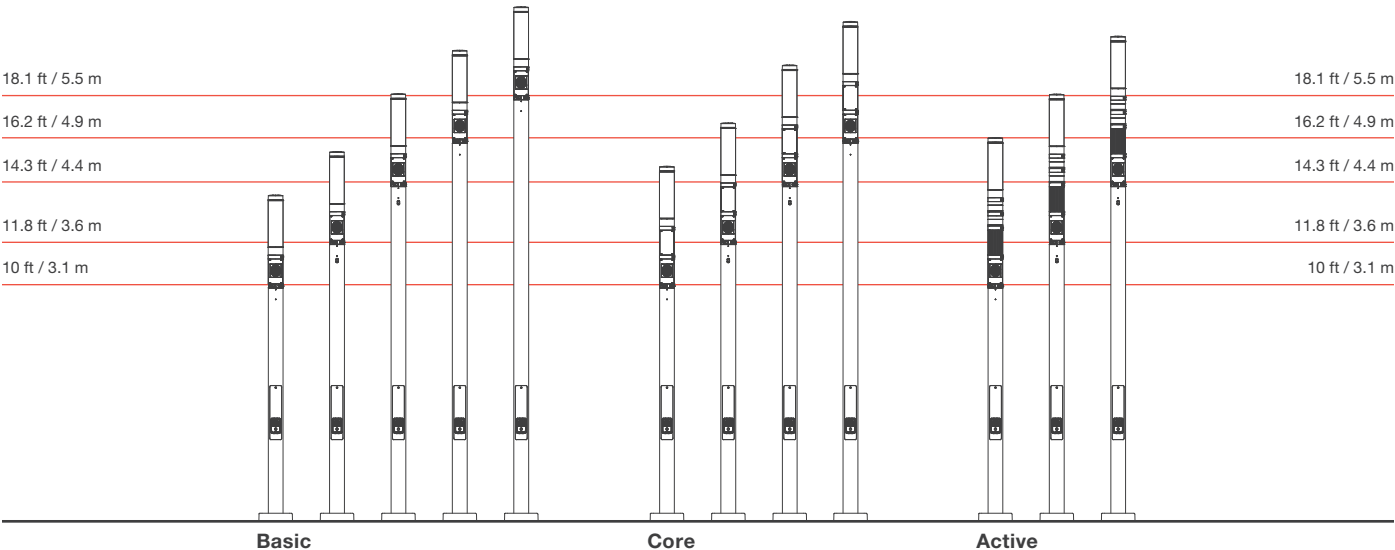


Designed by Schröder

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Pole

Round pole is 7.5" outside diameter with a 0.157" nominal wall thickness and manufactured from S235JR structural steel. Pole consists of two (2) or three (3) flush mounted doors for making electrical connections. Base plate is 15 3/4" square, is manufactured from S235JR structural steel, and features an all-around fillet weld to pole shaft. Includes two-piece powdercoated cast aluminum cover plate. Mounting template and anchor hardware also included. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

See customer drawings for luminaire mounting height details.

Mounting

Shuffle provides a plug-and-play installation with quick connectors and pre-cabled modules. The top and bottom parts of the modules are designed to smoothly overlap and include gaskets. Two cast aluminum clamps lock them together to ensure the perfect tightness of each module and to join the modules in a single column. The rotatable modules can be oriented in the desired direction before the final lock. Dedicated embellishment parts hide the screws, providing a smooth finish for the whole column.

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Performance Data - 360 Area Light Module

Model	Distribution Type	Drive Current	Delivered Lumens 3000K/4000K	System Watts	Bug Rating	Lens
DP400-T2-LO-CLR	Type II	350mA	2689/3022	22.5	B1-U1-G1	Clear
DP400-T2-LO-FRS	Type II	350mA	2381/2585	22.5	B1-U3-G1	Frosted
DP400-T2-BLS-LO-CLR	Type II	350mA	2445/2748	22.5	B1-U2-G1	Clear w/BL Shield
DP400-T2-BLS-LO-FRS	Type II	350mA	2188/2375	22.5	B1-U3-G1	Frosted w/BL Shield
DP400-T2-MO-CLR	Type II	500mA	3655/4110	32.2	B2-U1-G2	Clear
DP400-T2-MO-FRS	Type II	500mA	3238/3515	32.2	B1-U3-G1	Frosted
DP400-T2-BLS-MO-CLR	Type II	500mA	3324/3735	32.2	B1-U2-G1	Clear w/BL Shield
DP400-T2-BLS-MO-FRS	Type II	500mA	2975/3230	32.2	B1-U3-G1/G2	Frosted w/BL Shield
DP400-T2-HO-CLR	Type II	700mA	4777/5370	45	B2-U1/U2-G2	Clear
DP400-T2-HO-FRS	Type II	700mA	4230/4593	45	B2-U3-G2	Frosted
DP400-T2-BLS-HO-CLR	Type II	700mA	4344/4884	45	B1/B2-U2-G1/G2	Clear w/BL Shield
DP400-T2-BLS-HO-FRS	Type II	700mA	3887/4220	45	B1-U3-G2	Frosted w/BL Shield
DP400-T3-LO-CLR	Type III	350mA	2570/2890	22.5	B1-U2-G1	Clear
DP400-T3-LO-FRS	Type III	350mA	2301/2498	22.5	B1-U3-G1	Frosted
DP400-T3-BLS-LO-CLR	Type III	350mA	2358/2650	22.5	B1-U2-G1	Clear w/BL Shield
DP400-T3-BLS-LO-FRS	Type III	350mA	2117/2299	22.5	B1-U3-G1	Frosted w/BL Shield
DP400-T3-MO-CLR	Type III	500mA	3495/3930	32.2	B1-U2-G1	Clear
DP400-T3-MO-FRS	Type III	500mA	3129/3397	32.2	B1-U3-G1	Frosted
DP400-T3-BLS-MO-CLR	Type III	500mA	3205/3604	32.2	B1-U2-G1	Clear w/BL Shield
DP400-T3-BLS-MO-FRS	Type III	500mA	2879/3126	32.2	B1-U3-G1	Frosted w/BL Shield
DP400-T3-HO-CLR	Type III	700mA	4567/5134	45	B1-U2-G1	Clear
DP400-T3-HO-FRS	Type III	700mA	4088/4438	45	B1-U3-G2	Frosted
DP400-T3-BLS-HO-CLR	Type III	700mA	4189/4709	45	B1-U2-G1	Clear w/BL Shield
DP400-T3-BLS-HO-FRS	Type III	700mA	3762/4084	45	B1-U3-G2	Frosted w/BL Shield

This data is subject to change.

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Performance Data - 360 Area Light Module (cont.)

Model	Distribution Type	Drive Current	Delivered Lumens 3000K/4000K	System Watts	Bug Rating	Lens
DP400-T5-LO-CLR	Type V	350mA	3405/3521	26.6	B2-U2-G2	Clear
DP400-T5-LO-FRS	Type V	350mA	2901/3000	26.6	B1/B2-U3-G2	Frosted
DP400-T5-MO-CLR	Type V	500mA	4655/4812	38.1	B2-U2-G2	Clear
DP400-T5-MO-FRS	Type V	500mA	3966/4100	38.1	B2-U3-G2	Frosted
DP400-T5-HO-CLR	Type V	700mA	6163/6372	53	B3-U2-G3	Clear
DP400-T5-HO-FRS	Type V	700mA	5251/5429	53	B2-U3-G2	Frosted

This data is subject to change.

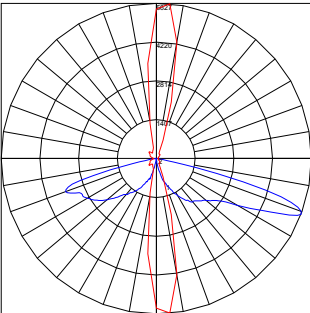
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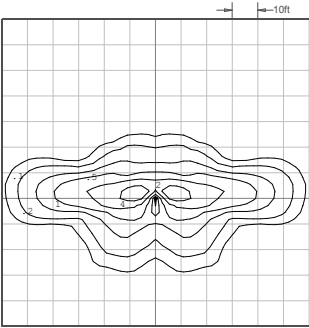
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Performance Data - 360 Area Light Module (cont.)

DP400-T2-MO-CLR

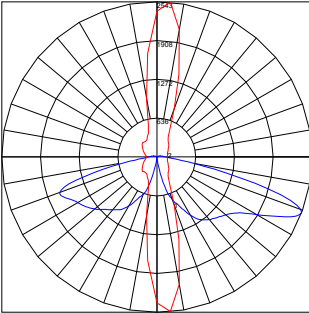


Maximum Candela = 5627.12
Located At Horizontal Angle = 275
Vertical Angle = 69

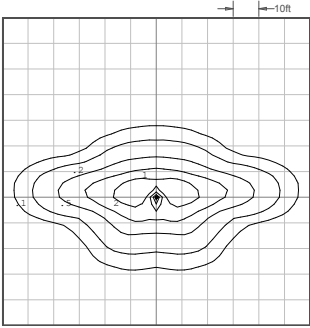


Mounting Height: 14 ft

DP400-T2-MO-FRS

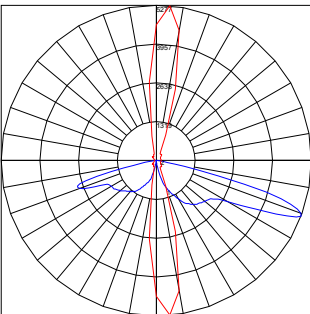


Maximum Candela = 2543.35
Located At Horizontal Angle = 275
Vertical Angle = 69

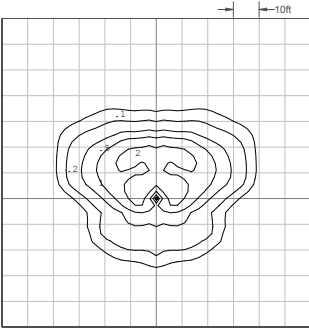


Mounting Height: 14 ft

DP400-T2-BLS-MO-CLR

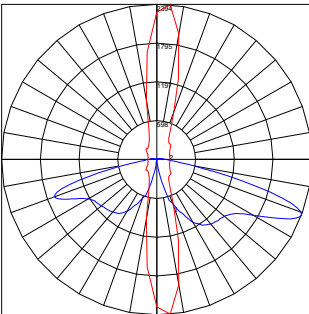


Maximum Candela = 5276.51
Located At Horizontal Angle = 275
Vertical Angle = 69

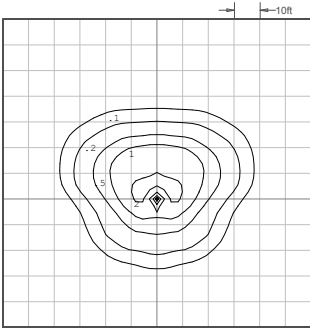


Mounting Height: 14 ft

DP400-T2-BLS-MO-FRS

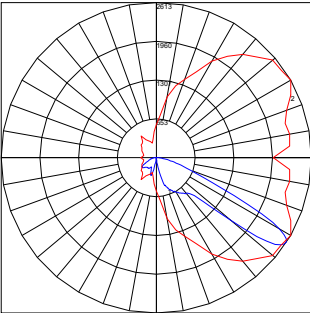


Maximum Candela = 2393.71
Located At Horizontal Angle = 275
Vertical Angle = 69

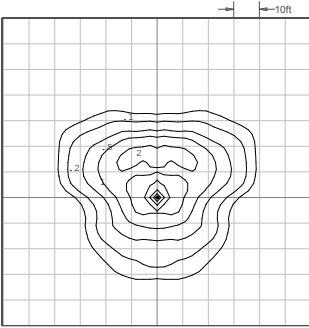


Mounting Height: 14 ft

DP400-T3-MO-CLR

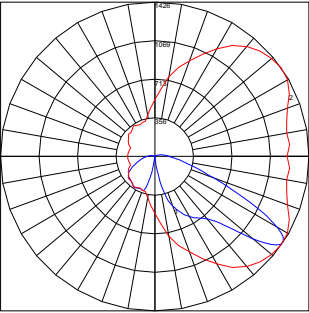


Maximum Candela = 2613.39
Located At Horizontal Angle = 330
Vertical Angle = 57

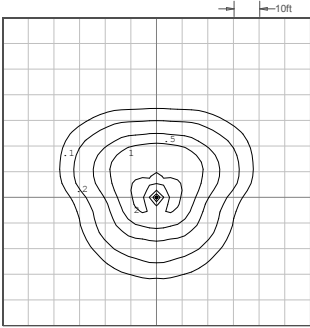


Mounting Height: 14 ft

DP400-T3-MO-FRS



Maximum Candela = 1425.84
Located At Horizontal Angle = 325
Vertical Angle = 56



Mounting Height: 14 ft

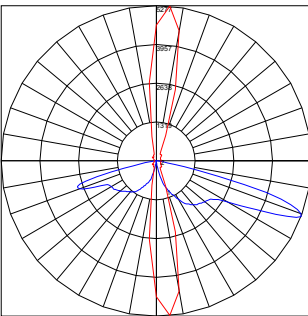
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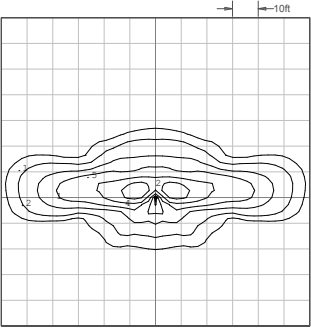
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Performance Data - 360 Area Light Module (cont.)

DP400-T3-BLS-MO-CLR

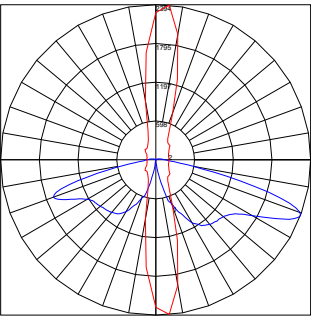


Maximum Candela = 5276.51
Located At Horizontal Angle = 275
Vertical Angle = 69

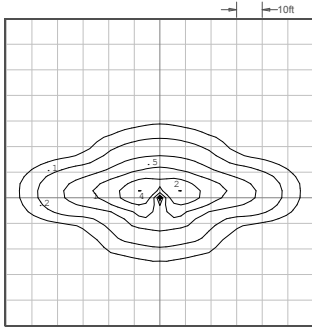


Mounting Height: 14 ft

DP400-T3-BLS-MO-FRS

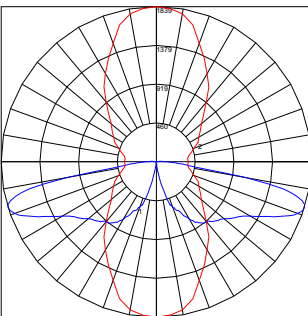


Maximum Candela = 2393.71
Located At Horizontal Angle = 275
Vertical Angle = 69

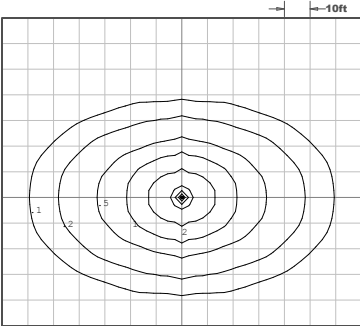


Mounting Height: 14 ft

DP400-T5-MO-CLR

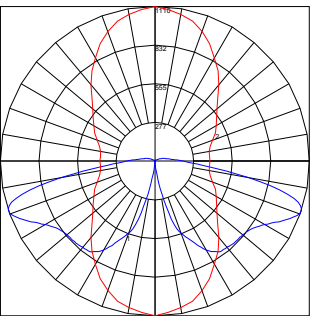


Maximum Candela = 1838.57
Located At Horizontal Angle = 270
Vertical Angle = 73

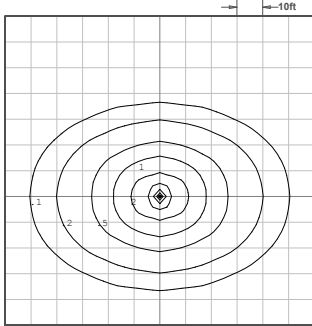


Mounting Height: 14 ft

DP400-T5-MO-FRS



Maximum Candela = 1109.57
Located At Horizontal Angle = 270
Vertical Angle = 71



Mounting Height: 14 ft

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Luminaire, Pole & Modules

Product	Pole Heights *	360 Light Dist.	Drive Currents	Lens	Color Temp.	PIR Sensor ***	Controls	Doors	Base
DP401 (SHUFFLE SOS Basic)	10 (10 ft or 3m Pole)	T2 (Type II)	LO (350mA)	CLR (Clear)	30K (3000K)	NPIR (No PIR Sensor)	NTW (No Twist Lock)	3 (3 Doors)	CVR (Cover Plate)
DP402 (SHUFFLE SOS Core)	12 (11.8 ft or 3.6m Pole)	T2-BLS (Type II w/ Backlight Shield)	MO (500mA)	FRS (Frosted)	40K (4000K)	PIR1 (PIR Sensor)	TW1 (Twist Lock)		
DP403 (SHUFFLE SOS Active)	14 (14.3 ft or 4.4m Pole)	T3 (Type III)	HO (700mA)				TW2 (Twist Lock w/ Owlet; 2-year Exedra Subscription)		
	16 (16.2 ft or 4.9m Pole)	T3-BLS (Type III w/ Backlight Shield)					TW5 (Twist Lock w/ Owlet; 5-year Exedra Subscription)		
	18 (18.1 ft or 5.5m Pole) **	T5 (Type V)							

Example: DP403 – 14 – T5 – LO – CLR – 40K – PIR1 – TW5 – 3 – CVR – Powdercoat

* Pole height includes pole only and does not account for any modules placed on top of the pole.

** SHUFFLE SOS Core and Active not available at this height.

*** Only available in the 12 ft and 14 ft poles. When selected, the Owlet control system also needs to be selected.

Configurations

Height	Description	Weight	EPA *
14 ft (4.3m)	SHUFFLE Basic 10 ft (3m) Pole with 360 Light and Strobe Module, Horn Module, and Intercom Module	150 lbs	8.14
15.3 ft (4.7m)	SHUFFLE Core 10 ft (3m) Pole with 360 Light and Strobe Module, 180 Camera Module, Horn Module, and Intercom Module	164 lbs	8.85
16.5 ft (5m)	SHUFFLE Active 10 ft (3m) Pole with 360 Light and Strobe Module, Light Ring Module, Quadview Camera Module, and Intercom Module	181 lbs	9.55
15.9 ft (4.9m)	SHUFFLE Basic 11.8 ft (3.6m) Pole with 360 Light and Strobe Module, Horn Module, and Intercom Module	174 lbs	9.20
17.2 ft (5.2m)	SHUFFLE Core 11.8 ft (3.6m) Pole with 360 Light and Strobe Module, 180 Camera Module, Horn Module, and Intercom Module	188 lbs	9.92

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Configurations (cont.)

Height	Description	Weight	EPA *
18.4 ft (5.6m)	SHUFFLE Active 11.8 ft (3.6m) Pole with 360 Light and Strobe Module, Light Ring Module, Quadview Camera Module, and Intercom Module	205 lbs	10.62
18.4 ft (5.6m)	SHUFFLE Basic 14.3 ft (4.4m) Pole with 360 Light and Strobe Module, Horn Module, and Intercom Module	205 lbs	10.63
19.8 ft (6m)	SHUFFLE Core 14.3 ft (4.4m) Pole with 360 Light and Strobe Module, 180 Camera Module, Horn Module, and Intercom Module	219 lbs	11.34
20.9 ft (6.4m)	SHUFFLE Active 14.3 ft (4.4m) Pole with 360 Light and Strobe Module, Light Ring Module, Quadview Camera Module, and Intercom Module	236 lbs	12.05
20.3 ft (6.2m)	SHUFFLE Basic 16.2 ft (4.9m) Pole with 360 Light and Strobe Module, Horn Module, and Intercom Module	227 lbs	11.70
21.5 ft (6.6m)	SHUFFLE Core 16.2 ft (4.9m) Pole with 360 Light and Strobe Module, 180 Camera Module, Horn Module, and Intercom Module	241 lbs	12.41
22.2 ft (6.8m)	SHUFFLE Basic 18.1 ft (5.5m) Pole with 360 Light and Strobe Module, Horn Module, and Intercom Module	251 lbs	12.77

* The EPA is located at the mid section of the pole.

Notes:

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Material / Colors Sheet | DP400

Neutral Series - Powdercoated Metal*



BLK (Gloss Black)



WHT (Gloss White)



MER (Mercury Metallic)

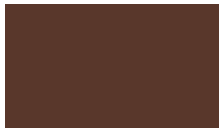
Architectural Series - Powdercoated Metal* (Fine Texture)



BLA (Blue Ash)



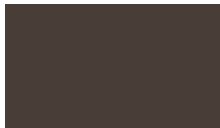
OBD (Obsidian)



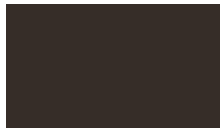
NMG (Nutmeg)



DSK (Dusk)



ONX (Onyx)



MBK (Matte Black)

Powdercoated Metal

Powdercoated Metal Pangard II® Polyester Powdercoat is a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

* All colors and patterns shown are approximate and may vary from sample and final.

Visit landscapeforms.com for more information. Specifications are subject to change without notice. Landscape Forms supports the Landscape Architecture Foundation at the Second Century level.
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