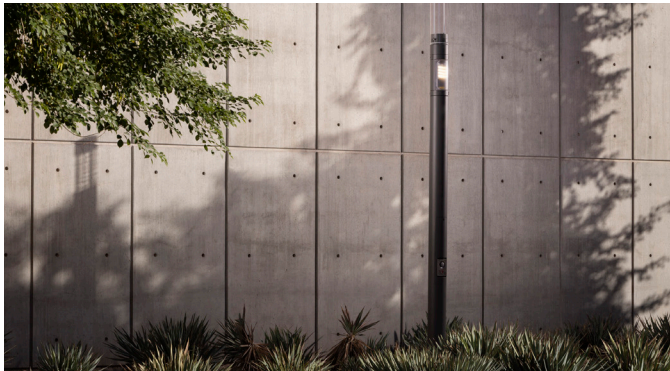


SHUFFLE Light

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Spec Sheet | DP100



Illuminate. Guide. Empower. Enhance. 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 Light expands the role of the luminaire in outdoor spaces, offering the functional versatility to create lighting schemes that are precise, useful, adaptable, and beautiful. Using controllable dimming and network connected on-demand functionality, SHUFFLE Light is designed to illuminate pedestrian spaces such as plazas, parks, walkways and bike paths where creating a safe, pleasant and accessible atmosphere is key. SHUFFLE Light improves the safety, security, and accessibility of high-profile, high-traffic outdoor spaces like parks, city centers, residential areas, tourist areas, and pedestrian crossways.

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

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 and/or PIR motion sensor.

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.

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

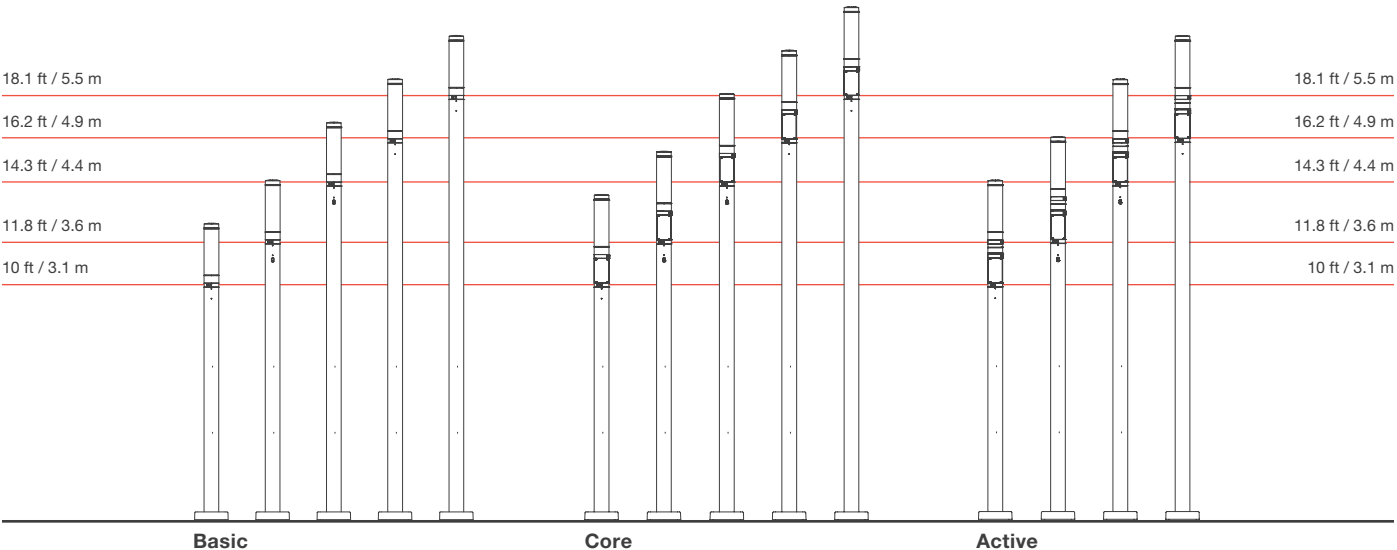


Designed by Schröder

SHUFFLE Light

landscapeforms®

Spec Sheet | DP100



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.

SHUFFLE Light

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Spec Sheet | DP100

Performance Data - 360 Area Light Module

Model	Distribution Type	Drive Current	Delivered Lumens 3000K/4000K	System Watts	Bug Rating	Lens
DP100-T2-LO-CLR	Type II	350mA	2689/3022	22.5	B1-U1-G1	Clear
DP100-T2-LO-FRS	Type II	350mA	2381/2585	22.5	B1-U3-G1	Frosted
DP100-T2-BLS-LO-CLR	Type II	350mA	2445/2748	22.5	B1-U2-G1	Clear w/BL Shield
DP100-T2-BLS-LO-FRS	Type II	350mA	2188/2375	22.5	B1-U3-G1	Frosted w/BL Shield
DP100-T2-MO-CLR	Type II	500mA	3655/4110	32.2	B2-U1-G2	Clear
DP100-T2-MO-FRS	Type II	500mA	3238/3515	32.2	B1-U3-G1	Frosted
DP100-T2-BLS-MO-CLR	Type II	500mA	3324/3735	32.2	B1-U2-G1	Clear w/BL Shield
DP100-T2-BLS-MO-FRS	Type II	500mA	2975/3230	32.2	B1-U3-G1/G2	Frosted w/BL Shield
DP100-T2-HO-CLR	Type II	700mA	4777/5370	45	B2-U1/U2-G2	Clear
DP100-T2-HO-FRS	Type II	700mA	4230/4593	45	B2-U3-G2	Frosted
DP100-T2-BLS-HO-CLR	Type II	700mA	4344/4884	45	B1/B2-U2-G1/G2	Clear w/BL Shield
DP100-T2-BLS-HO-FRS	Type II	700mA	3887/4220	45	B1-U3-G2	Frosted w/BL Shield
DP100-T3-LO-CLR	Type III	350mA	2570/2890	22.5	B1-U2-G1	Clear
DP100-T3-LO-FRS	Type III	350mA	2301/2498	22.5	B1-U3-G1	Frosted
DP100-T3-BLS-LO-CLR	Type III	350mA	2358/2650	22.5	B1-U2-G1	Clear w/BL Shield
DP100-T3-BLS-LO-FRS	Type III	350mA	2117/2299	22.5	B1-U3-G1	Frosted w/BL Shield
DP100-T3-MO-CLR	Type III	500mA	3495/3930	32.2	B1-U2-G1	Clear
DP100-T3-MO-FRS	Type III	500mA	3129/3397	32.2	B1-U3-G1	Frosted
DP100-T3-BLS-MO-CLR	Type III	500mA	3205/3604	32.2	B1-U2-G1	Clear w/BL Shield
DP100-T3-BLS-MO-FRS	Type III	500mA	2879/3126	32.2	B1-U3-G1	Frosted w/BL Shield
DP100-T3-HO-CLR	Type III	700mA	4567/5134	45	B1-U2-G1	Clear
DP100-T3-HO-FRS	Type III	700mA	4088/4438	45	B1-U3-G2	Frosted
DP100-T3-BLS-HO-CLR	Type III	700mA	4189/4709	45	B1-U2-G1	Clear w/BL Shield
DP100-T3-BLS-HO-FRS	Type III	700mA	3762/4084	45	B1-U3-G2	Frosted w/BL Shield

This data is subject to change.

SHUFFLE Light

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Spec Sheet | DP100

Performance Data - 360 Area Light Module (cont.)

Model	Distribution Type	Drive Current	Delivered Lumens 3000K/4000K	System Watts	Bug Rating	Lens
DP100-T5-LO-CLR	Type V	350mA	3405/3521	26.6	B2-U2-G2	Clear
DP100-T5-LO-FRS	Type V	350mA	2901/3000	26.6	B1/B2-U3-G2	Frosted
DP100-T5-MO-CLR	Type V	500mA	4655/4812	38.1	B2-U2-G2	Clear
DP100-T5-MO-FRS	Type V	500mA	3966/4100	38.1	B2-U3-G2	Frosted
DP100-T5-HO-CLR	Type V	700mA	6163/6372	53	B3-U2-G3	Clear
DP100-T5-HO-FRS	Type V	700mA	5251/5429	53	B2-U3-G2	Frosted

This data is subject to change.

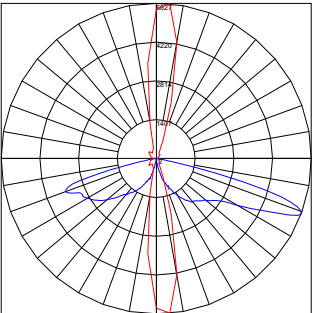
SHUFFLE Light

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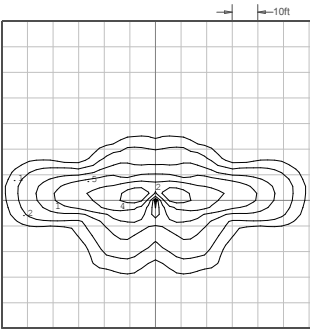
Spec Sheet | DP100

Performance Data - 360 Area Light Module (cont.)

DP100-T2-MO-CLR

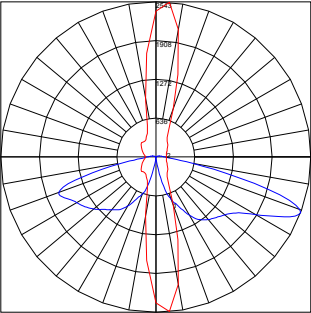


Maximum Candela = 5627.12
Located At Horizontal Angle = 275
Vertical Angle = 69

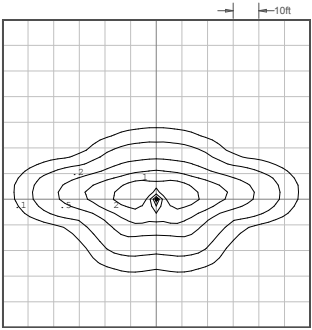


Mounting Height: 14 ft

DP100-T2-MO-FRS

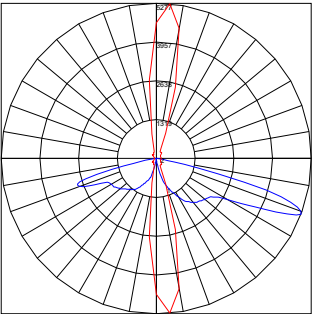


Maximum Candela = 2543.35
Located At Horizontal Angle = 275
Vertical Angle = 69

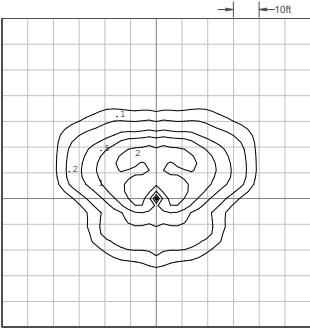


Mounting Height: 14 ft

DP100-T2-BLS-MO-CLR

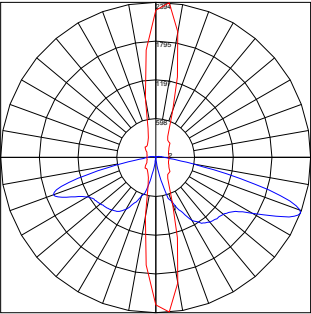


Maximum Candela = 5276.51
Located At Horizontal Angle = 275
Vertical Angle = 69

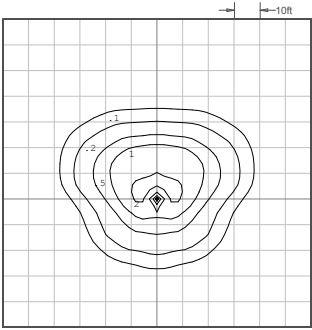


Mounting Height: 14 ft

DP100-T2-BLS-MO-FRS

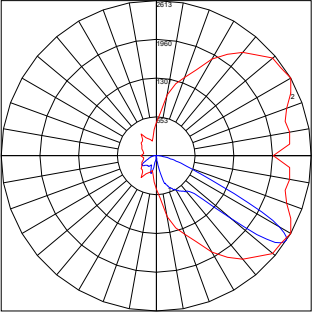


Maximum Candela = 2393.71
Located At Horizontal Angle = 275
Vertical Angle = 69

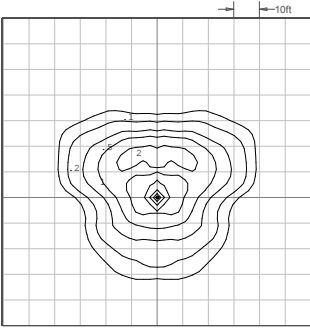


Mounting Height: 14 ft

DP100-T3-MO-CLR

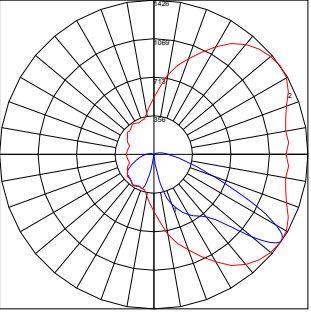


Maximum Candela = 2613.39
Located At Horizontal Angle = 330
Vertical Angle = 57

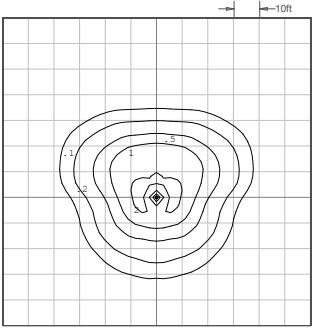


Mounting Height: 14 ft

DP100-T3-MO-FRS



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



Mounting Height: 14 ft

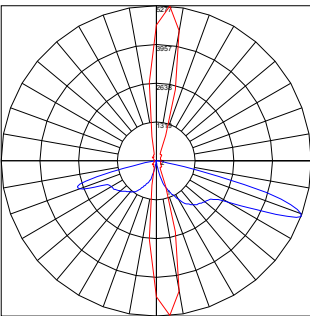
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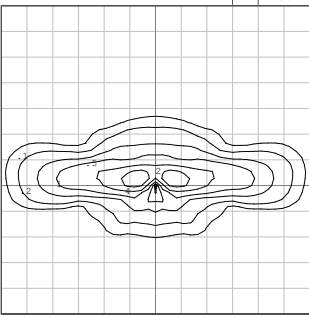
Spec Sheet | DP100

Performance Data - 360 Area Light Module (cont.)

DP100-T3-BLS-MO-CLR

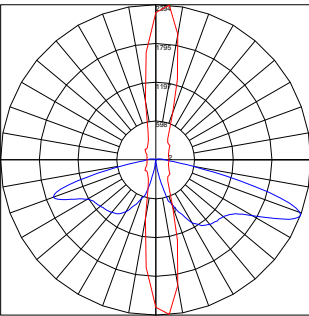


Maximum Candela = 5276.51
Located At Horizontal Angle = 275
Vertical Angle = 69

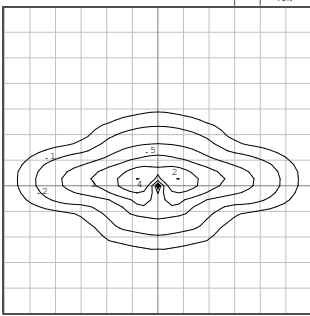


Mounting Height: 14 ft

DP100-T3-BLS-MO-FRS

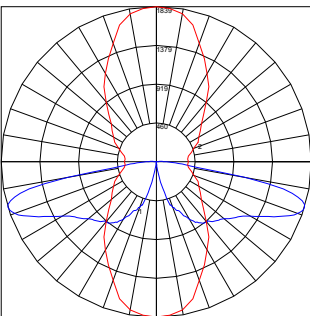


Maximum Candela = 2393.71
Located At Horizontal Angle = 275
Vertical Angle = 69

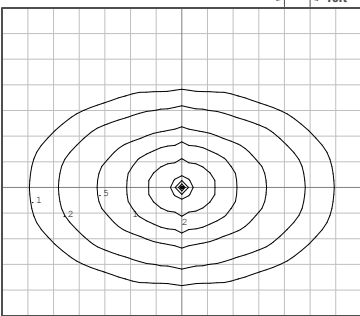


Mounting Height: 14 ft

DP100-T5-MO-CLR

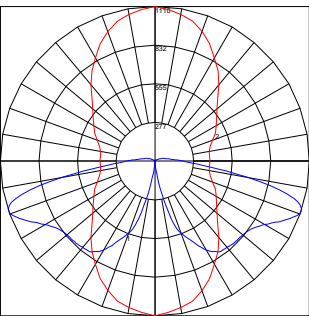


Maximum Candela = 1838.57
Located At Horizontal Angle = 270
Vertical Angle = 73

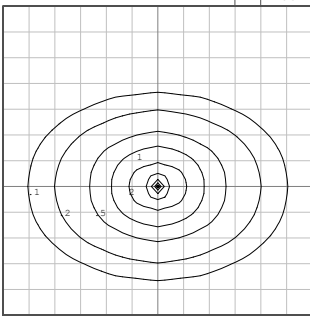


Mounting Height: 14 ft

DP100-T5-MO-FRS



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



Mounting Height: 14 ft

SHUFFLE Light

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Spec Sheet | DP100

Performance Data - 180 Area Light Module

Model	Distribution Type	Drive Current	Delivered Lumens 3000K/4000K	System Watts	Bug Rating	Lens
DP100-T2-LO-CLR	Type II	350mA	2668/3071	28	B0-U3-G1/G2	Clear
DP100- T2-LO-FRS	Type II	350mA	2813/3238	28	B0-U3-G2/G3	Frosted
DP100-T2-MO-CLR	Type II	500mA	3602/4146	39	B0-U3-G3	Clear
DP100- T2-MO-FRS	Type II	500mA	3798/4371	39	B0-U3-G3	Frosted
DP100-T2-HO-CLR	Type II	700mA	4723/5434	55	B0-U3-G2	Clear
DP100-T2-HO-FRS	Type II	700mA	4979/5730	55	B0-U3-G3	Frosted
DP100-T3-LO-CLR	Type III	350mA	2954/3400	28	B0-U3-G2	Clear
DP100-T3-LO-FRS	Type III	350mA	2553/2939	28	B0-U3-G2	Frosted
DP100-T3-MO-CLR	Type III	500mA	3987/4590	39	B0-U3-G3	Clear
DP100-T3-MO-FRS	Type III	500mA	3447/3967	39	B0-U3-G2	Frosted
DP100-T3-HO-CLR	Type III	700mA	5228/6017	55	B0-U3-G3	Clear
DP100-T3-HO-FRS	Type III	700mA	4520/5201	55	B0-U3-G3	Frosted
DP100-T4-LO-CLR	Type IV	350mA	2818/3243	28	B0-U3-G3	Clear
DP100- T4-LO-FRS	Type IV	350mA	2714/3123	28	B0-U3-G3	Frosted
DP100-T4-MO-CLR	Type IV	500mA	3803/4379	39	B0-U3-G5	Clear
DP100- T4-MO-FRS	Type IV	500mA	3663/4217	39	B0-U3-G4	Frosted
DP100-T4-HO-CLR	Type IV	700mA	4987/5739	55	B0-U3-G5	Clear
DP100-T4-HO-FRS	Type IV	700mA	4803/5528	55	B0-U3-G4/G5	Frosted

This data is subject to change.

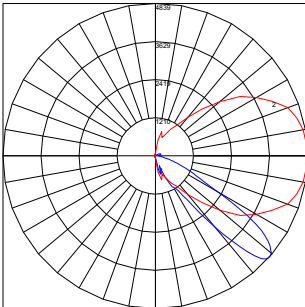
SHUFFLE Light

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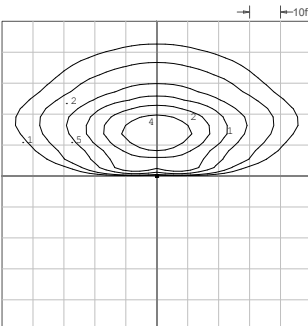
Spec Sheet | DP100

Performance Data - 180 Area Light Module (cont.)

DP100-T2-MO-CLR

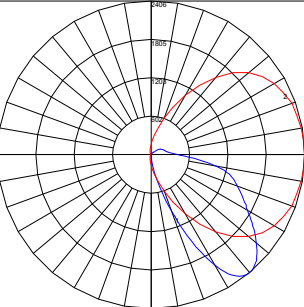


Maximum Candela = 4838.56
Located At Horizontal Angle = 360
Vertical Angle = 49

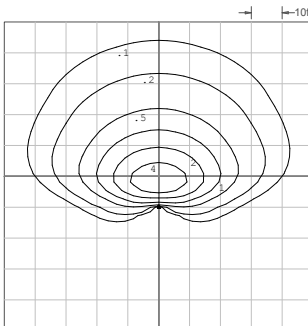


Mounting Height: 14 ft

DP100-T2-MO-FRS

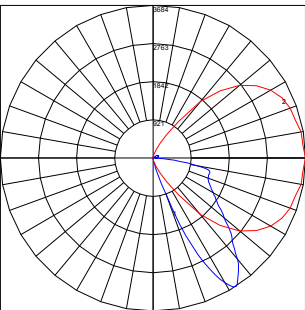


Maximum Candela = 2406.42
Located At Horizontal Angle = 360
Vertical Angle = 39

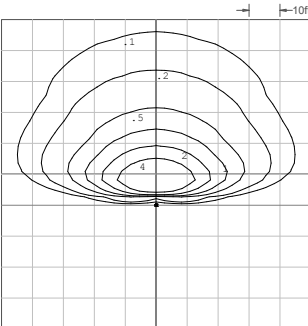


Mounting Height: 14 ft

DP100-T3-MO-CLR

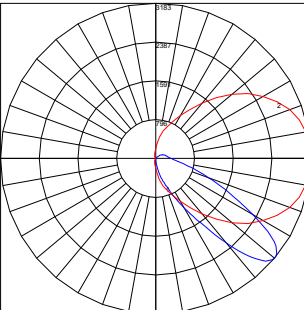


Maximum Candela = 3683.6
Located At Horizontal Angle = 360
Vertical Angle = 33

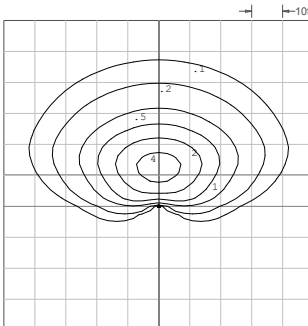


Mounting Height: 14 ft

DP100-T3-MO-FRS

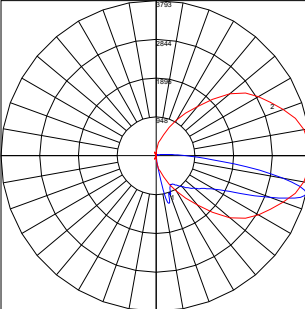


Maximum Candela = 3182.57
Located At Horizontal Angle = 360
Vertical Angle = 50

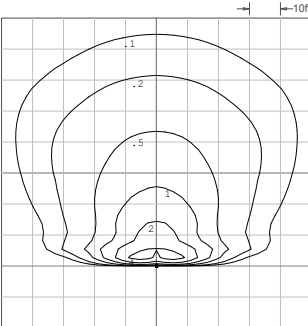


Mounting Height: 14 ft

DP100-T4-MO-CLR

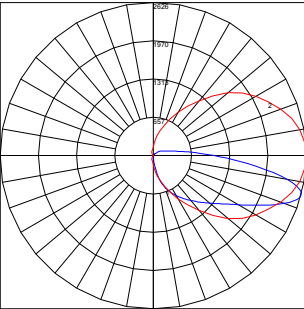


Maximum Candela = 3792.5
Located At Horizontal Angle = 360
Vertical Angle = 76

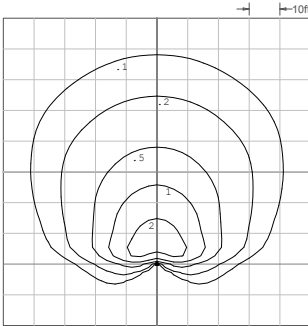


Mounting Height: 14 ft

DP100-T4-MO-FRS



Maximum Candela = 2626.31
Located At Horizontal Angle = 360
Vertical Angle = 75



Mounting Height: 14 ft

SHUFFLE Light

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Spec Sheet | DP100

Luminaire, Pole & Modules

Product	Pole Height *	360 Light Dist.	360 Light Drive Current	360 Light Lens	180 Light Dist. ***	180 Light Drive Current ***	180 Light Lens ***	Color Temp.	PIR Sensor ****	Controls	Doors	Base
DP101 (SHUFFLE Light Basic)	10 (10 ft or 3m Pole)	T2 (Type II)	LO (350mA)	CLR (Clear)	T2 (Type II)	LO (350mA)	CLR (Clear)	30K (3000K)	NPIR (No PIR Sensor)	NTW (No Twist Lock)	2 (2 Doors)	CVR (Cover Plate)
DP102 (SHUFFLE Light Core)	12 (11.8 ft or 3.6m Pole)	T2-BLS (Type II w/ Backlight Shield)	MO (500mA)	FRS (Frosted)	T3 (Type III)	MO (500mA)	FRS (Frosted)	40K (4000K)	PIR1 (PIR Sensor)	TW1 (Twist Lock)	3 (3 Doors)	
DP103 (SHUFFLE Light Active)	14 (14.3 ft or 4.4m Pole)	T3 (Type III)	HO (700mA)		T4 (Type IV)	HO (700mA)	N/A			TW2 (Twist Lock w/Owlet; 2-Year Exedra Subscription)		
	16 (16.2 ft or 4.9m Pole)	T3-BLS (Type III w/ Backlight Shield)			N/A	N/A				TW5 (Twist Lock w/Owlet; 5-Year Exedra Subscription)		
	18 (18.1 ft or 5.5m Pole) **	T5 (Type V)										

Example: DP102 – 14 – T2-BLS – LO – CLR – T4 – MO – CLR – 30K – PIR1 – TW5 – 3 – CVR – Powdercoat

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

** SHUFFLE Light Active not available at this height.

*** Only available in SHUFFLE Light Core and Active models.

**** Only available in the 11.8 ft and 14.3 ft poles. When selected, the Owlet control system also needs to be selected.

Configurations

Height	Description	Weight	EPA *
12.8 ft (3.9m)	SHUFFLE Basic 10 ft (3m) Pole with 360 Light Module	137 lbs	7.30
14 ft (4.3m)	SHUFFLE Core 10 ft (3m) Pole with 360 Light Module and 180 Reflector Light Module	150 lbs	8.02
14.7 ft (4.5m)	SHUFFLE Active 10 ft (3m) Pole with 360 Light Module, 180 Reflector Light Module, and Light Ring Module	159 lbs	8.37
14.7 ft (4.5m)	SHUFFLE Basic 11.8 ft (3.6m) Pole with 360 Light Module	161 lbs	8.37
15.9 ft (4.8m)	SHUFFLE Core 11.8 ft (3.6m) Pole with 360 Light Module and 180 Reflector Light Module	174 lbs	9.08

SHUFFLE Light

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Spec Sheet | DP100

Configurations (cont.)

Height	Description	Weight	EPA *
16.5 ft (5m)	SHUFFLE Active 11.8 ft (3.6m) Pole with 360 Light Module, 180 Reflector Light Module, and Light Ring Module	183 lbs	9.44
17.2 ft (5.2m)	SHUFFLE Basic 14.3 ft (4.4m) Pole with 360 Light Module	192 lbs	9.80
18.4 ft (5.6m)	SHUFFLE Core 14.3 ft (4.4m) Pole with 360 Light Module and 180 Reflector Light Module	205 lbs	10.51
18.9 ft (5.8m)	SHUFFLE Active 14.3 ft (4.4m) Pole with 360 Light Module, 180 Reflector Light Module, and Light Ring Module	214 lbs	10.86
19 ft (5.8m)	SHUFFLE Basic 16.2 ft (4.9m) Pole with 360 Light Module	214 lbs	10.86
20.3 ft (6.2m)	SHUFFLE Core 16.2 ft (4.9m) Pole with 360 Light Module and 180 Reflector Light Module	227 lbs	11.58
20.8 ft (6.3m)	SHUFFLE Active 16.2 ft (4.9m) Pole with 360 Light Module, 180 Reflector Light Module, and Light Ring Module	236 lbs	11.93
20.8 ft (6.3m)	SHUFFLE Basic 18.1 ft (5.5m) Pole with 360 Light Module	238 lbs	11.93
20.9 ft (6.4m)	SHUFFLE Core 18.1 ft (5.5m) Pole with 360 Light Module and 180 Reflector Light Module	251 lbs	12.65

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

Notes:

SHUFFLE Light

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Material / Colors Sheet | DP100

Powdercoated Metal (Gloss)*



Black

White

Powdercoated Metal (Metallic)*



Mercury

Designer Palette Architectural Series (Low Sheen)*



Blue Ash

Dusk

Nutmeg

Obsidian

Onyx

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.

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