

E9B051-

base number

Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir Subseries: Standard Menhir Brand: Platek

Division: Exterior Mounting Type: Post

Mounting Location: Above Ground

Subcategory: Bollard - Mini

PHYSICAL

Shape: Cylinder

Diameter (mm): 200

Diameter (in): 7 1/8

Height (mm): 200

Height (in): 7 1/8

Light Distribution: Direct

Screws: A4 stainless steel

Diffuser: Clear tempered glass

Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ

Fixture Material: Aluminum

Cable Details: 8-13mm cable allowed

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 15.5

Total Output Wattage (W): 12

Dimming: Non-Dimming / Phase Dimming (120vac Only)

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - 120 / 277Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 350

Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]): Remote: 0-10Vdc dimming

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 915 / 955

Nominal Lumen (lm): 1740 / 1810 CRI: >80 CRI

Lamp Life (hrs): 60000

OPTICAL

Optic°: 2 Openings

RATINGS AND CERTIFICATIONS

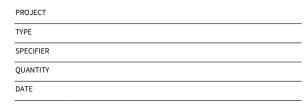
Certified By: Certified for North American Standards

IP rating: IP65

IK Rating: IK08

Bug Rating: B1 U3 G1

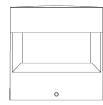
Upon Request: Higher Maximum Ambient Temperature

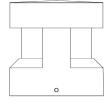




200mm 7 %"

200mm







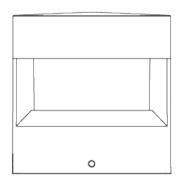
200mm 7 %"

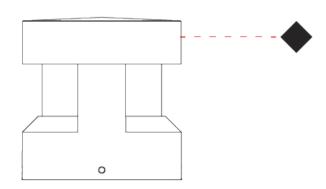




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Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir Subseries: Standard Menhir Brand: Platek Division: Exterior Mounting Type: Post Mounting Location: Above Ground

Subcategory: Bollard PHYSICAL Shape: Cylinder Diameter (mm): 200 Diameter (in): 7 1/8 Height (mm): 620 Height (in): 24 1/16 Light Distribution: Direct Screws: A4 stainless steel Diffuser: Clear tempered glass Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ Fixture Material: Aluminum

Cable Details: 8-13mm cable allowed

ELECTRICAL

Lamp Type: LED Input Wattage (W): 20 Total Output Wattage (W): 18 Dimming: Non-Dimming / Phase Dimming (120vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Constant Current - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Constant Current (MA): 500 Upon Request: (Not included - see components [IP65 or higher

Color Temperature (°K): 3000 / 4000 Max. Delivered Lumen (lm): 1240 / 1290 Nominal Lumen (lm): 2400 / 2495 CRI: >80 CRI Lamp Life (hrs): 60000 OPTICAL

enclosure to be supplied by others]): Remote: 0-10Vdc dimming

Optic°: 2 Openings

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP65 IK Rating: IK08

Bug Rating: B1 U3 G1

Upon Request: Higher Maximum Ambient Temperature

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7 1/8" 200mm



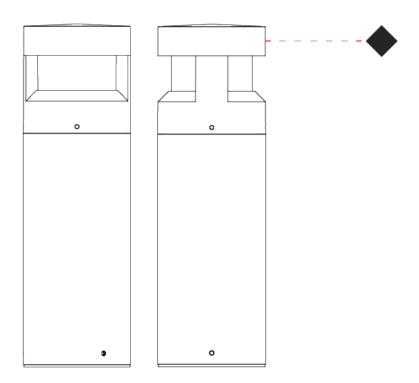
200mm 7 %"





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base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir	
Subseries: Standard Menhir	
Brand: Platek	
Division: Exterior	
Mounting Type: Post	
Mounting Location: Above Ground	
Subcategory: Bollard	

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PHYSICAL	
Shape: Cylinder	
Diameter (mm): 200	
Diameter (in): 7 1/8	
Height (mm): 1050	
Height (in): 41 ⁵ / ₁₆	
Light Distribution: Direct	_
Screws: A4 stainless steel	
Diffuser: Clear tempered glass	
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ	
Fixture Material: Aluminum	

ELECTRICAL

Cable Details: 8-13mm cable allowed

Lamp Type: LED
Input Wattage (W): 40
Total Output Wattage (W): 36
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 1050
Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]): Remote: 0-10Vdc dimming

LED

Color Temperature (°K): 3000 / 4000	
Max. Delivered Lumen (lm): 2500 / 2600	
Nominal Lumen (lm): 4355 / 4530	
CRI: >80 CRI	
Lamp Life (hrs): 60000	

OPTICAL

Optic°: 2 Openings

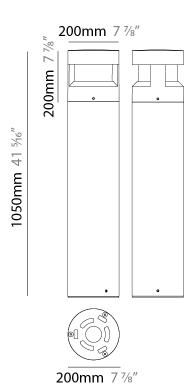
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP65
IK Rating: IK08

Bug Rating: B1 U3 G2 Upon Request: Higher Maximum Ambient Temperature

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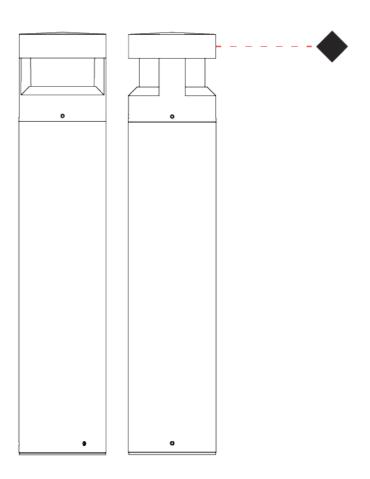






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E9B163-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir	
Subseries: Micro Menhir	
Brand: Platek	
Division: Exterior	
Mounting Type: Post	
Mounting Location: Above Ground	
Subcategory: Marker	

PHYSICAL

Fixture Material: Aluminum **ELECTRICAL**

Lamp Type: LED
Input Wattage (W): 9.6
Total Output Wattage (W): 8.3
Dimming: Non-Dimmable
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 250
Constant Voltage (V): 34

LED

Color Temperature (°K): 3000 / 4000	
Max. Delivered Lumen (lm): 255 / 265	
Nominal Lumen (lm): 900 / 935	
CRI: >80 CRI	
Lamp Life (hrs): 60000	

OPTICAL

Optic°: 1 Opening

RATINGS AND CERTIFICATIONS

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Certified By: Certified for North American Standards	
IP rating: IP65	
IK Rating: IK10	
Bug Rating: B0 U0 G1	
Upon Request: Higher Maximum Amhient Temperature	

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115mm 4 ½"

150mm 5 %"





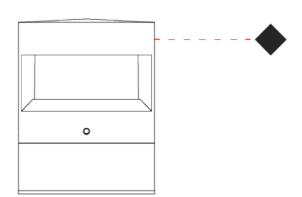
115mm 4 ½"





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E9B164-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir	
Subseries: Micro Menhir	
Brand: Platek	
Division: Exterior	
Mounting Type: Post	
Mounting Location: Above Ground	
Subcategory: Marker	

PHYSICAL

Shape: Cylinder
Diameter (mm): 115
Diameter (in): 4 ½
Height (mm): 150
Height (in): 5 1/8
Light Distribution: Direct
Screws: A4 stainless steel
Diffuser: Transparent Methacrylate
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ

Fixture Material: Aluminum

ELECTRICAL

Lamp Type: LED	
Input Wattage (W): 9.6	
Total Output Wattage (W): 9.5	
Dimming: Electronic Low Voltage Dimming	
Input Voltage (V): 120Vac Direct Line	

LED

Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 500 / 520
Nominal Lumen (lm): 900 / 935
CRI: >80 CRI
Lamp Life (hrs): 60000

OPTICAL

Optic°: 2 Openings

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards	
IP rating: IP65	
IK Rating: IK10	
Bug Rating: B1 U0 G1	
Upon Request: Higher Maximum Ambient Temperature	

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115mm 4 ½"

150mm 5 //s"





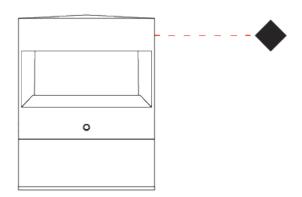
115mm 4 ½"





E9B164-

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DATE







E9B167-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir
Subseries: Micro Menhir
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard

Subcategory: Bollard

PHYSICAL

Shape: Cylinder

Diameter (mm): 115

Diameter (in): 4½

Height (mm): 500

Height (in): 19½

Light Distribution: Direct

Screws: A4 stainless steel

Diffuser: Transparent Methacrylate

Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ

Fixture Material: Aluminum

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 15
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line

LED

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 340 / 355

Nominal Lumen (lm): 1350 / 1405

CRI: >80 CRI

Lamp Life (hrs): 60000

OPTICAL

Optic°: 1 Opening

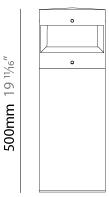
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP65
IK Rating: IK10
Bug Rating: B1 U0 G1
Upon Request: Higher Maximum Ambient Temperature

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115mm 4 1/2"





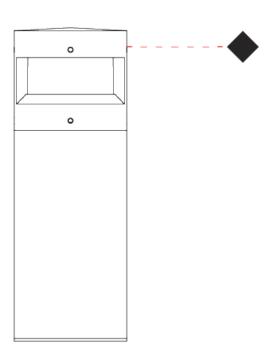
115mm 4 1/2"





E9B167-

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E9B168-

base number

Color Finish
Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir
Subseries: Micro Menhir
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard

PHYSICAL
Shape: Cylinder
Diameter (mm): 115
Diameter (in): 4 ½
Height (mm): 500
Height (in): 19 ½
Light Distribution: Direct
Screws: A4 stainless steel
Diffuser: Transparent Methacrylate
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Aluminum

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 15
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line

LED

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 665 / 690

Nominal Lumen (lm): 1350 / 1405

CRI: >80 CRI

Lamp Life (hrs): 60000

OPTICAL

Optic°: 2 Openings

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP65

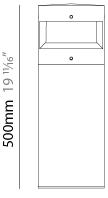
IK Rating: IK10

Upon Request: Higher Maximum Ambient Temperature

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115mm 4 1/2"





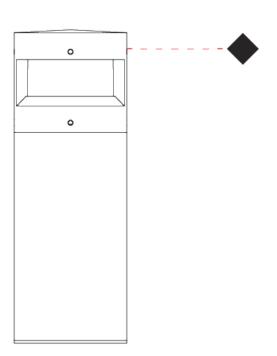






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Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir	
Subseries: Micro Menhir	
Brand: Platek	
Division: Exterior	
Mounting Type: Post	
Mounting Location: Above Ground	
Subcategory: Bollard	

PHYSICAL

PHYSICAL
Shape: Cylinder
Diameter (mm): 115
Diameter (in): 4 ½
Height (mm): 800
Height (in): 31 ½
Light Distribution: Direct
Screws: A4 stainless steel
Diffuser: Transparent Methacrylate
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Aluminum

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 15
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line

LED

Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 340 / 355
Nominal Lumen (lm): 1350 / 1405
CRI: >80 CRI
Lamp Life (hrs): 60000

OPTICAL

Optic°: 1 Opening

RATINGS AND CERTIFICATIONS

RATINGS AND CERTIFICATIONS	
Certified By: Certified for North American Standards	
IP rating: IP65	
IK Rating: IK10	
Upon Request: Higher Maximum Ambient Temperature	

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115mm 4 1/2"





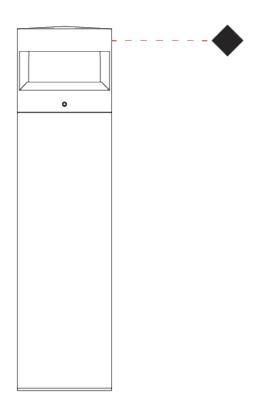
115mm 4 ½"





E9B171-

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base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir	
Subseries: Micro Menhir	
Brand: Platek	
Division: Exterior	
Mounting Type: Post	
Mounting Location: Above Ground	
Subcategory: Bollard	

PHYSICAL
Shape: Cylinder
Diameter (mm): 115
Diameter (in): 4 ½
Height (mm): 800
Height (in): 31 ½
Light Distribution: Direct
Screws: A4 stainless steel
Diffuser: Transparent Methacrylate
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Aluminum

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 15
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line

LED

Color Temperature (°K): 3000 / 4000	
Max. Delivered Lumen (lm): 665 / 690	
Nominal Lumen (lm): 1350 / 1405	
CRI: >80 CRI	
Lamp Life (hrs): 60000	

OPTICAL

Optic°: 2 Openings

RATINGS AND CERTIFICATIONS

RATINGS AND CERTIFICATIONS	
Certified By: Certified for North American Standards	
IP rating: IP65	
IK Rating: IK10	
Upon Request: Higher Maximum Ambient Temperature	

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115mm 4 1/2"





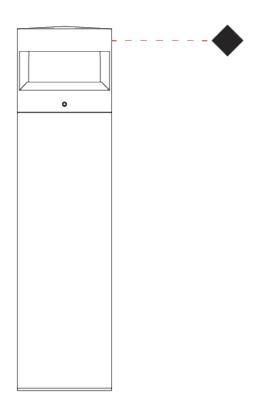
115mm 4 ½"





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E9B258-

base number

Color Finish
Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir
Subseries: Standard Menhir
Brand: Platek
Division: Exterior

Mounting Location: Above Ground

Subcategory: Marker

Mounting Type: Post

PHYSICAL

Shape: Cylinder Diameter (mm): 200

Diameter (in): 7 1/8

Height (mm): 200

Height (in): 7 1/8
Light Distribution: Direct

Screws: A4 stainless steel

Diffuser: Clear tempered glass

Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ

Fixture Material: Aluminum

Cable Details: 8-13mm cable allowed

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 15.5

Total Output Wattage (W): 12

Dimming: Non-Dimming / Phase Dimming (120vac Only)

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 350

Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]) Remote: 0-10Vdc dimming

LED

Number of LEDs: 1

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 510 / 530

Nominal Lumen (lm): 1740 / 1810

CRI: >80 CRI

Lamp Life (hrs): 60000

OPTICAL

Optic°: 1 Opening

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP65

IK Rating: IK08

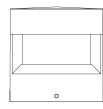
Upon Request: Higher Maximum Ambient Temperature

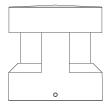




200mm 7 %"

200mm 7 1/8"







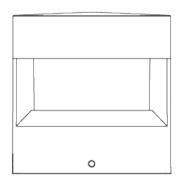
200mm 7 %"

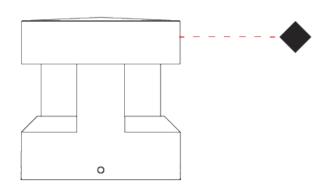




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Color Finish
Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir
Subseries: Standard Menhir
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard

Subcategory: Bollard

PHYSICAL

Shape: Cylinder

Diameter (mm): 200

Diameter (in): 7 ½

Height (mm): 620

Height (in): 24 ½

Light Distribution: Direct

Weight (kg): 8.3

Weight (lbs): 18.3

Screws: A4 stainless steel

Diffuser: Clear tempered glass

Fixture Finish: BLK/WHI/GRY/COR/ANT/BRZ

Fixture Material: Aluminum

ELECTRICAL

Cable Details: 8-13mm cable allowed

Lamp Type: LED
Input Wattage (W): 20.3
Total Output Wattage (W): 18
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 500
Upon Request: (Not included - see components [IP65 or higher

LED

Number of LEDs: 1

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 775 / 805

Nominal Lumen (lm): 2400 / 2495

CRI: >80 CRI

Lamp Life (hrs): 60000

enclosure to be supplied by others]) Remote: 0-10Vdc dimming

OPTICAL

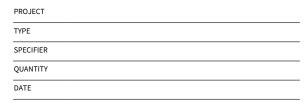
Optic°: 2 Openings

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP65 IK Rating: IK08

Upon Request: Higher Maximum Ambient Temperature





200mm 7 7/8"

200mm 7 %"



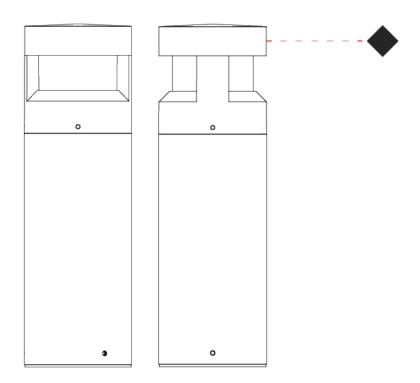
200mm 7 %"





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base number

Color Finish
Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Menhir
Subseries: Standard Menhir
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard

Subcategory: Bollard

PHYSICAL

Shape: Cylinder

Diameter (mm): 200

Diameter (in): 7 ⁷/₈

Height (mm): 1050

Height (in): 41 ¹/₃

Light Distribution: Direct

Weight (kg): 8.3

Weight (lbs): 18.3

Screws: A4 stainless steel

Diffuser: Clear tempered glass

Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ

Fixture Material: Aluminum

Cable Details: 8-13mm cable allowed

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 40
Total Output Wattage (W): 36
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 1050
Upon Request: (Not included - see components [IP65 or higher

LED

Number of LEDs: 1
Color Temperature (°K):

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 1430 / 1490

Nominal Lumen (lm): 4355 / 4530

CRI: >80 CRI

Lamp Life (hrs): 60000

enclosure to be supplied by others]) Remote: 0-10Vdc dimming

OPTICAL

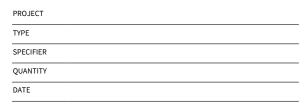
Optic°: 1 Opening

RATINGS AND CERTIFICATIONS

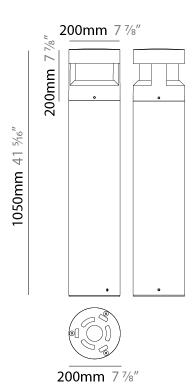
Certified By: Certified for North American Standards

IP rating: IP65 IK Rating: IK08

Upon Request: Higher Maximum Ambient Temperature





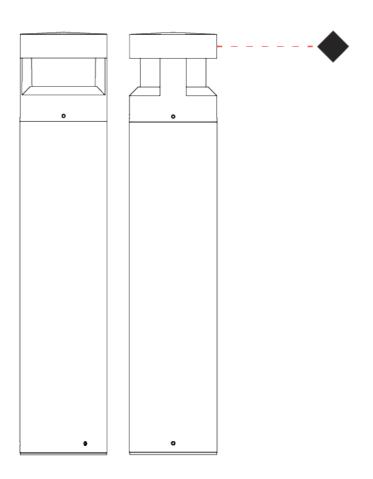






E9B262-

PROJECT	
ТҮРЕ	_
SPECIFIER	_
QUANTITY	_
DATE	_







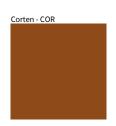
MENHIR

Fixture Finish













Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens. **Physical:** When texture is involved, there will be variations in color, character and tone within a product series and between product families.





MENHIR

PROJECT
TYPE
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LEGEND

Т		_			special LED (upon request) RGR_RGRW_tunable
	floor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	S	rotating	0	warm dim / natural dimming LED
\uparrow	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	I	color of suspension cable	THESE	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	↓	length of suspension cable	CRI	color rendering index
	direct light distribution		reflector degree selection	(K)	color temperature
X	direct/indirect light distribution	s s	super spot	(LM)	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩ <u></u>	efficacy (lumens per watt)
	asymmetric light distribution	\otimes	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
X	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	0	integrated shine ring with diffuser	3	walk on
\Box	square wall or ceiling cut-out		free individual colors 01-29	②	drive on
4	the supplied jig specifies the cutout dimensions	Ĉ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
□+, +	minimum distance (meters) lamp - object	•	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
$\hat{\pm}$	recessed depth	lack	luminaire part to be colored (F2)		lamp protected against explosion
	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
1	ceiling thickness selection		luminaire part to be colored (F4)	♦ ®	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	•	luminaire part to be colored (F5)		protection class I, protection insulation
₹	included or excluded LED driver/transformer/ control gear	•	color of 3-circuit adaptor		protection class II, protection insulation
8	separately switchable	\odot	indirect diffuser	. (1)	ETL Certified to UL and CSA Standards
9	sensor	O	direct diffuser	։ (Մ) ու	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(1)	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	(Z)	Certified for North American Standards

IP RATING

IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
ІКОЗ	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
IK06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
IK08	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)