# ZANEEN

# **MINI 1200 RECESSED**

#### E9I199-

base number Color

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: Mini Subseries: Mini 1200 Brand: Platek Division: Exterior Mounting Type: Recessed Mounting Location: In-Ground

Subcategory: Drive Over PHYSICAL Shape: Round Diameter (mm): 140 Diameter (in): 5 1/2 Depth (mm): 80 Depth (in): 3 1/8 Light Distribution: Direct Weight (kg): 1.1 Weight (lbs): 2.43 Load Resistance (kg): 2500 Load Resistance (lbs): 5511

Installation Requirement: Installation with L9A08800 sleeve set in concrete requires a 20-30cm / 8-12" gravel drain bed

Diffuser: Clear tempered glass

Fixture Finish: BLK

Fixture Material: Aluminum Die Cast

Cable Details: Supplied with 1 power cable 1m in length

#### **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 10.5

Total Output Wattage (W): 9

Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V

Dimming

Driver Included: No

Driver Location: Remote

Driver Type: Constant Current - 120 /277Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

Number of LEDs: 6

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 775 - 955 / 805 - 995

Nominal Lumen (lm): 1140 / 1200

CRI: >80 CRI

Lamp Life (hrs): 60000

## OPTICAL

Optic°: 9 / 28 / 44

Adjustability: Tilt ±5°

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

IP rating: IP68 IK Rating: IK10

Bug Rating: B0 U4 G0

Upon Request: Higher Maximum Ambient Temperature

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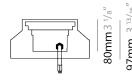
PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	



140mm 5 1/2"

85mm 3 3/8"

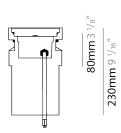




140mm 5 1/2'

85mm 3 3/8"



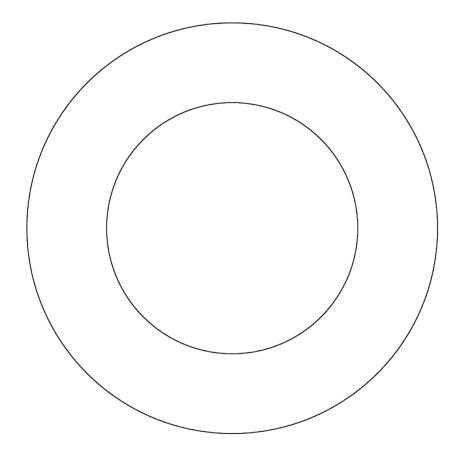






# **MINI 1200 RECESSED**

E9I199-







# **MINI SS - DRIVE OVER RECESSED**

#### E91254-

base number Color

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: Mini

Subseries: Mini SS - Drive Over

Brand: Platek

Division: Exterior

Mounting Type: Recessed Mounting Location: In-Ground

Subcategory: Drive Over

**PHYSICAL** 

Shape: Round

Diameter (mm): 152

Diameter (in): 6

Depth (mm): 80

Depth (in): 3 1/8 Light Distribution: Uplight

Weight (kg): 1.5

Weight (lbs): 3.3

Load Resistance (kg): 2500

Load Resistance (lbs): 5511

Installation Requirement: Installation with L9A08800 sleeve set in concrete requires a 20-30 cm gravel drain bed

Screws: A4 stainless steel

Diffuser: Clear tempered glass

Fixture Finish: SST

Fixture Material: Aluminum Die Cast

Cable Details: Supplied with 1 power cable 1m in length

#### **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 10.5

Total Output Wattage (W): 9

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)

and 0-10V Dimming)

Driver Included: No

Driver Location: Remote

Driver Type: Constant Voltage - 120 / 277Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

#### LED

Number of LEDs: 6

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 775 - 955 / 805 - 995

Nominal Lumen (lm): 1140 / 1200

CRI: >80 CRI

Lamp Life (hrs): 60000

### OPTICAL

Optic°: 9 / 28 / 44

Adjustability: Tilt ±5°

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

IP rating: IP68

IK Rating: IK10

Bug Rating: B0 U4 G0

Upon Request: Higher Maximum Ambient Temperature

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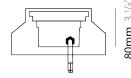
**PROJECT** TYPE SPECIFIER QUANTITY DATE



140mm 5 1/2"

85mm 3 3/8'



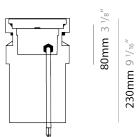


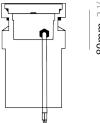
30mm 3 1/8

140mm 5 1/2"

85mm 3 3/8"





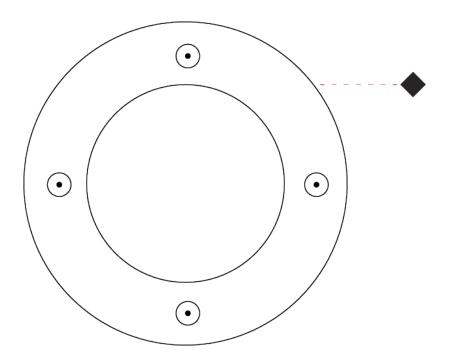




# **MINI SS - DRIVE OVER RECESSED**

E9I254-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







# MINI ROLL OVER 1 OPENING RECESSED

#### E91330-

base number Color

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: Mini

Subseries: Mini Roll Over 1 Opening

Brand: Platek

Division: Exterior
Mounting Type: Recessed

Mounting Location: In-Ground

Subcategory: Marker

#### **PHYSICAL**

Shape: Round

Diameter (mm): 145

Diameter (in): 5 11/16

Height (mm): 118

Height (in): 4 1/8

Light Distribution: Direct

Weight (kg): 1.6

Weight (lbs): 3.53 Load Resistance (kg): 2000

Load Resistance (lbs): 4400

Diffuser: Clear tempered glass

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

Fixture Material: Aluminum Die Cast

#### **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 2.5

Total Output Wattage (W): 1.5

Dimming: Non-Dimmable

Driver Included: Yes

Driver Location: Integrated
Driver Type: Constant Current - 120Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

Upon Request: Dimming requires a minimum of 4 fixtures per power supply (See components [IP65 or higher enclosure to be supplied by others]) Remote: 0-10Vdc dimming / Phase dimming @120Vac / Nondimming 120/277Vac

#### LED

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 55 / 60

Nominal Lumen (lm): 190 / 200

CRI: >80 CRI

Lamp Life (hrs): 60000

#### OPTICAL

Optic°: 1 Opening

Beam Angle: 90

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

IP rating: IP68

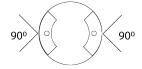
IK Rating: IK10

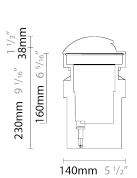
Bug Rating: B0 U2 G1

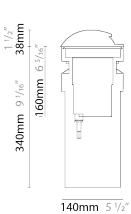
Upon Request: Higher Maximum Ambient Temperature











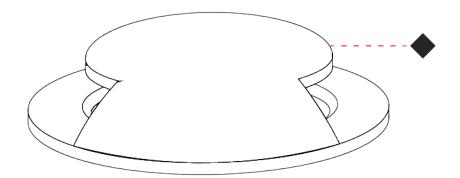




# MINI ROLL OVER 1 OPENING RECESSED

E9I330-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	







# MINI ROLL OVER 2 OPENING RECESSED

### E91333-

base number Color

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: Mini

Subseries: Mini Roll Over 2 Opening

Brand: Platek

Division: Exterior
Mounting Type: Recessed

Mounting Location: In-Ground

Subcategory: Marker

#### **PHYSICAL**

Shape: Round

Diameter (mm): 145

Diameter (in): 5 11/16

Height (mm): 118

Height (in): 4 1/8

Light Distribution: Direct

Weight (kg): 1.8

Weight (lbs): 4

Load Resistance (kg): 2000

Load Resistance (lbs): 4400

Diffuser: Clear tempered glass

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

Fixture Material: Aluminum Die Cast

#### **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 4.2

Total Output Wattage (W): 3

Dimming: Non-Dimmable

Driver Included: Yes

Driver Location: Integrated
Driver Type: Constant Current - 120Vac

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 / Phase

dimming @120Vac / Non-dimming 120/277Vac

#### LED

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 110 / 115

Nominal Lumen (lm): 380 / 400

CRI: >80 CRI

Lamp Life (hrs): 60000

#### OPTICAL

Optic°: 2 Openings

Beam Angle: 2 x 90

# RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

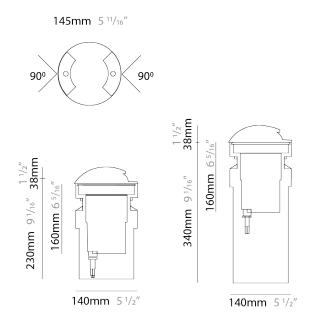
IP rating: IP68

IK Rating: IK10
Bug Rating: B0 U2 G1

Bug Rating: BU U2 G1

Upon Request: Higher Maximum Ambient Temperature





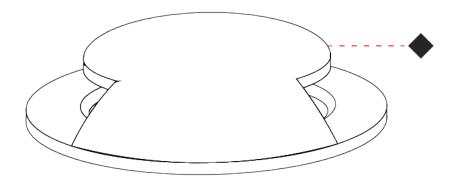




# **MINI ROLL OVER 2 OPENING RECESSED**

E9I333-

PROJECT	
TYPE	_
SPECIFIER	_
QUANTITY	_
DATE	







# MINI ROLL OVER 4 OPENING RECESSED

# E91336-

base number

Color Finish
Temperature Options

	'			
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- 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: Mini

Subseries: Mini Roll Over 4 Opening

Brand: Platek

Division: Exterior
Mounting Type: Recessed

Mounting Location: In-Ground

Subcategory: Marker

PHYSICAL

Shape: Round

Diameter (mm): 145

Diameter (in): 5 11/16

Height (mm): 118

Height (in): 4 1/8

Light Distribution: Direct

Weight (kg): 1.8

Weight (lbs): 4

Load Resistance (kg): 2000

Load Resistance (lbs): 4400

Diffuser: Clear tempered glass

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

Fixture Material: Aluminum Die Cast

#### **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 7.4

Total Output Wattage (W): 6

Dimming: Non-Dimmable

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - 120 / 277Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

Upon Request: Remote: 0-10Vdc dimming / Phase dimming (-30°C or

-40°C) / Non-dimming 120/277Vac (-30°C)

#### LED

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 215 / 225

Nominal Lumen (lm): 760 / 800

CRI: >80 CRI

Lamp Life (hrs): 60000

#### OPTICAL

Optic°: 4 Openings

Beam Angle: 60

#### **RATINGS AND CERTIFICATIONS**

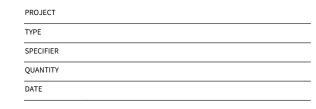
Certified By: Certified for North American Standards

IP rating: IP68

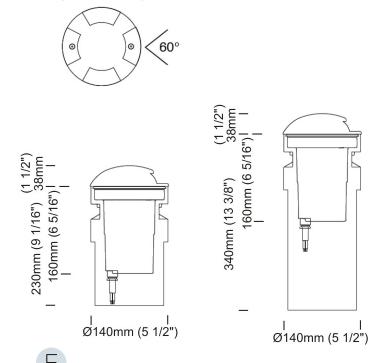
IK Rating: IK10

Bug Rating: B0 U3 G1

Upon Request: Higher Maximum Ambient Temperature







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# **ZANEEN**®

# **MINI ROLL OVER 4 OPENING RECESSED**

E9I336-

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

# Finish chart

01 - Black

# Available upon request

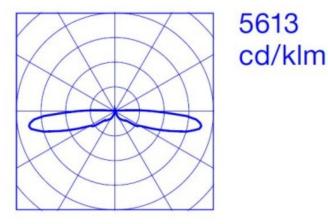
02 - White

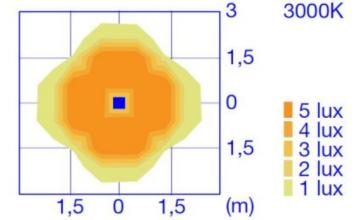
06 - Gray

100

07 - Corten 08 - Anthracite

09 - Bronze





# Order Example

L9XXXX-06

Gray





# ZANEEN

# MINI FULL INOX RECESSED

### E91576-

base number Color

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: Mini

Subseries: Mini Full Inox

Brand: Platek

Division: Exterior

Mounting Type: Recessed Mounting Location: In-Ground

Subcategory: Drive Over

**PHYSICAL** 

Shape: Round

Diameter (mm): 152

Diameter (in): 6

Height (mm): 80

Height (in): 3 1/8

Light Distribution: Uplight

Load Resistance (kg): 2000

Load Resistance (lbs): 4409

Installation Requirement: Installation in sleeve set in concrete with a 20-30 cm gravel drain bed

Screws: A4 stainless steel

Diffuser: Clear tempered glass

Fixture Finish: SST

Fixture Material: Stainless Steel

Cable Details: Supplied with 1 power cable 0.5m in length

# **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 11

Total Output Wattage (W): 10

Driver Included: No

Driver Location: Remote

Driver Type: Constant Voltage - Universal

Housing: (Not included - see components) L9A08800 allows for external

driver (non-dimming - 120 / 277Vac) / L

Input Voltage (V): 120 - 277

Output Voltage (V): 24

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

/ Non-dimming 120/277Vac

#### LED

Number of LEDs: 6

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 960 / 995

Nominal Lumen (lm): 1140 / 1200

CRI: >80 CRI

Lamp Life (hrs): 60000

#### OPTICAL

Optico: 9 / 28 / 44 / ASY; RGBW - 9 / 28 / 44

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

IP rating: IP68

IK Rating: IK10

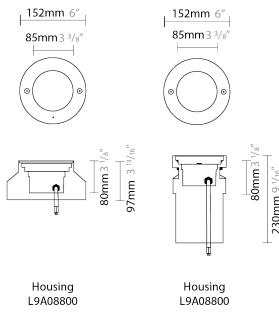
Bug Rating: B0 U4 G0

Marine Grade: Stainless Steel AISI 316L

Upon Request: Higher Maximum Ambient Temperature

**PROJECT** TYPE SPECIFIER QUANTITY DATE





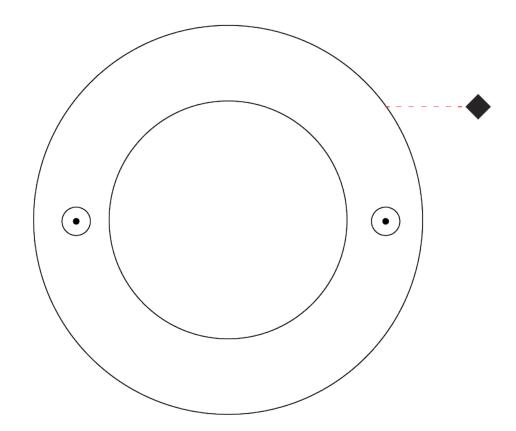


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E9I576-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







#### E91582-

base number Color 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: Mini

Subseries: Mini Full Inox

Brand: Platek

Division: Exterior

Mounting Type: Recessed

Mounting Location: In-Ground

Subcategory: Drive Over

#### **PHYSICAL**

Shape: Round

Diameter (mm): 152

Diameter (in): 6

Height (mm): 80

Height (in): 3 1/8

Light Distribution: Uplight

Load Resistance (kg): 2500

Load Resistance (lbs): 5511

Installation Requirement: Installation in sleeve set in concrete with a 20-30 cm gravel drain bed

Screws: A4 stainless steel Diffuser: Extra Clear Flat Tempered Glass - 15mm / 15/32"

Fixture Finish: SST

Fixture Material: Stainless Steel

Cable Details: Supplied with 1 power cable 0.5m in length

#### **ELECTRICAL**

Lamp Type: LED

Input Wattage (W): 10

Total Output Wattage (W): 8.4

Driver Included: No

Driver Location: Remote

Driver Type: Constant Current - 120 / 277Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

Upon Request: (Not included - see components [IP68 or higher enclosure to be supplied by others]) 0-10Vdc dimming / Phase dimming

120Vac only / Non-dimming

Number of LEDs: 6

Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 775 - 906 / 805 -995

CRI: >80 CRI

Lamp Life (hrs): 60000

#### OPTICAL

Optic°: 9 / 28 / 44

Beam Angle: Asymmetrical

### **RATINGS AND CERTIFICATIONS**

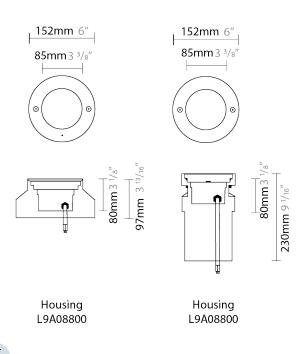
Certified By: Certified for North American Standards

IP rating: IP68

IK Rating: IK10

Bug Rating: B0 U4 G0 Upon Request: Higher Maximum Ambient Temperature







E9I582-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





# **ZANEEN**®

# MINI FULL INOX RECESSED

### E91633-

base number

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: Mini
Subseries: Mini Full Inox
Brand: Platek

Division: Exterior

Mounting Type: Recessed

Mounting Location: In-Ground

Subcategory: Drive Over

#### PHYSICAL

Shape: Round
Diameter (mm): 152
Diameter (in): 6
Height (mm): 80

Height (in): 3 ½
Light Distribution: Uplight
Load Resistance (kg): 2500

Load Resistance (lbs): 5511

Installation Requirement: Installation in sleeve set in concrete with a 20-30 cm gravel drain bed

Screws: A4 stainless steel

Diffuser: Extra Clear Flat Tempered Glass - 15mm / 15/32"

Fixture Finish: SST

Fixture Material: Stainless Steel

Cable Details: Supplied with 1 power cable 0.5m in length

#### ELECTRICAL

Lamp Type: LED

Total Output Wattage (W): 11.5

Dimming: Bluetooth technology or DMX

Control Gear: DMX

Driver Included: No

Driver Location: Remote

Driver Type: Constant Current - Universal

Input Voltage (V): 120 - 277

Constant Current (MA): 500

#### LED

Number of LEDs: 8

Color Temperature (°K): RGBW

CRI: >80 CRI

Lamp Life (hrs): 60000

Special LEDs offerings: RGBW

#### OPTICAL

Optic°: 9 / 28 / 44

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

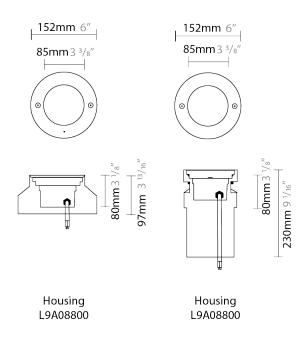
IP rating: IP68

IK Rating: IK10

Upon Request: Higher Maximum Ambient Temperature











E9I633-







# MINI CEILING RECESSED

E9Q023-

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: Mini Subseries: Mini Ceiling Brand: Platek Division: Exterior Mounting Type: Recessed Mounting Location: Ceiling

Subcategory: Downlight **PHYSICAL** Shape: Round Diameter (mm): 152 Diameter (in): 6 Height (mm): 80 Height (in): 3 1/8 Ceiling Thickness (mm): 10 - 20 Ceiling Thickness (in): 3/8 - 13/16 Light Distribution: Direct Diffuser: Clear tempered glass Fixture Finish: SST Fixture Material: Aluminum Die Cast Cut-out Measurements: 140mm / 5 1/2" diameter

**ELECTRICAL** Lamp Type: LED Input Wattage (W): 10.5 Total Output Wattage (W): 9 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Remote Driver Type: Constant Current - 120 / 277Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Constant Current (MA): 500

## LED

Number of LEDs: 6 Color Temperature (°K): 3000 / 4000

Max. Delivered Lumen (lm): 960 / 995

Nominal Lumen (lm): 1140 / 1200 CRI: >80 CRI

Lamp Life (hrs): 60000

# OPTICAL

Optic°: 9 / 28 / 44 Adjustability: Tilt ±5°

# RATINGS AND CERTIFICATIONS

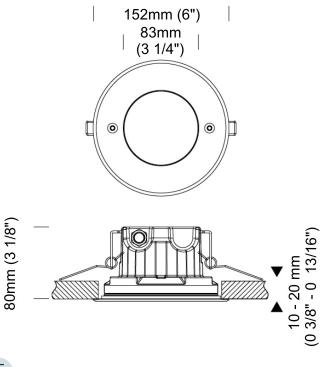
Certified By: Certified for North American Standards

IP rating: IP68 IK Rating: IK10

Upon Request: Higher Maximum Ambient Temperature







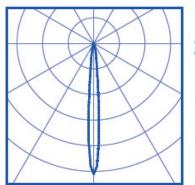




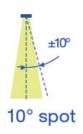
# **MINI CEILING RECESSED**

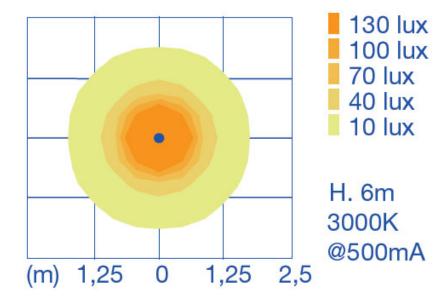
E9Q023-

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



10° spot 20443 cd/klm









# **MINI CEILING RECESSED**

# E9Q109-

base number

Lens 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: Mini	
Subseries: Mini Ceiling	
Brand: Platek	
Division: Exterior	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

#### DHYSICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 11.5
Dimming: Bluetooth technology or DMX
Control Gear: DMX
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 500
LED

OPTICAL
Special LEDs offerings: RGBW
Lamp Life (hrs): 60000
Color Temperature (°K): RGBW
Number of LEDs: 8

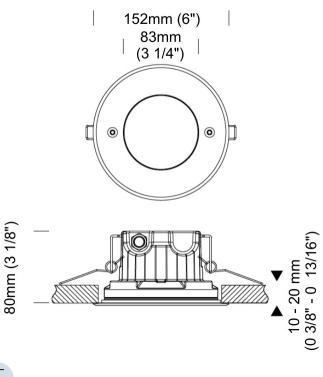
Optic°: 9 / 28 / 45 Adjustability: Tilt ±5°

### RATINGS AND CERTIFICATIONS

IP rating: IP69 Full Dry IK Rating: IK10 Upon Request: Higher Maximum Ambient Temperature











# MINI

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

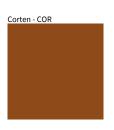
#### **Fixture Finish**















**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.





# MINI

	PROJECT
	TYPE
	SPECIFIER
	QUANTITY
	DATE

# **LEGEND**

F		_			special LED (upon request) RGR_RGRW_tunable
<u></u>	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		fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	<b>←</b>	length of suspension cable	CRI	color rendering index
À	direct light distribution		reflector degree selection	<b>℃</b> K	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩	efficacy (lumens per watt)
	asymmetric light distribution	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ā	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	30	walk on
Z)	square wall or ceiling cut-out	Ġ	free individual colors 01-29	<b>②</b>	drive on
4	the supplied jig specifies the cutout dimensions	6	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
<b>□+</b> *	minimum distance (meters) lamp - object	<b>♦</b>	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
<b>1</b>	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)	<b>●</b> ®	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	•	luminaire part to be colored (F5)		protection class I, protection insulation
<b>₩</b>	included or excluded LED driver/transformer/ control gear	•	color of 3-circuit adaptor		protection class II, protection insulation
8	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
<b>9</b>	sensor	O	direct diffuser	շ <b>(</b> Մ) սո	UL Certified to UL and CSA Standards
	remote control	$\oplus$	ball-proof (upon request)	<b>(II</b> )	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	<b>Z</b>	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)