

HELIOS SHELL SUSPENSION

D61030-

base number

Finish 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: Helios
Subseries: Helios Shell
Brand: Linea Zero
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Abstract
Diameter (mm): 400
Diameter (in): 15 ¾
Height (mm): 390
Height (in): 15 3/8
Max. Overall Height (mm): 1190
Max. Overall Height (in): 46 $\frac{7}{8}$
Light Distribution: Omnidirectional
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder
Cable Details: Cable length 31"

ELECTRICAL

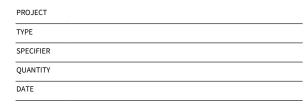
ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







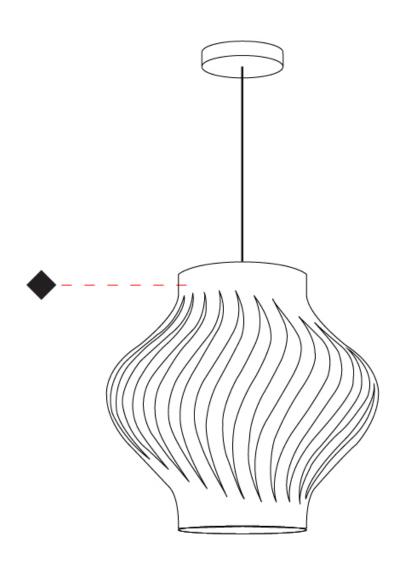




HELIOS SHELL SUSPENSION

D61030-

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE







D61031-

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: Helios	
Subseries: Helios Long	
Brand: Linea Zero	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	

Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Abstract
Diameter (mm): 350
Diameter (in): 13 ³ / ₄
Height (mm): 610
Height (in): 24
Max. Overall Height (mm): 1410
Max. Overall Height (in): 55 ½
Light Distribution: Downlight
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder
ELECTRICAL

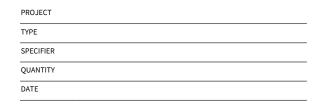
ELECTRICAL	
Number of Lamps: 1	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	
Max. Wattage Per Lamp (W): 7	
Lamp Base: E26	
Input Voltage (V): 120	
Upon Request: 277Vac / GU24	

LED

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





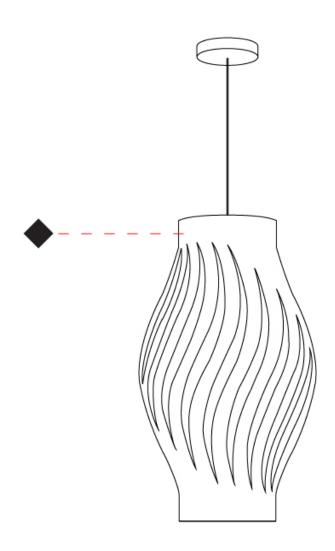






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D61033-

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: Helios	
Subseries: Helios Long	
Brand: Linea Zero	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	

Mounting Type. Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Abstract
Diameter (mm): 190
Diameter (in): 7 ½
Height (mm): 320
Height (in): 12 ½
Max. Overall Height (mm): 1120
Max. Overall Height (in): 44 1/8
Light Distribution: Downlight
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder
ELECTRICAL

ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

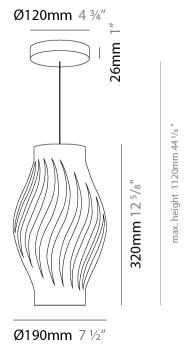
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

PROJECT		
TYPE		
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QUANTITY		
DATE		



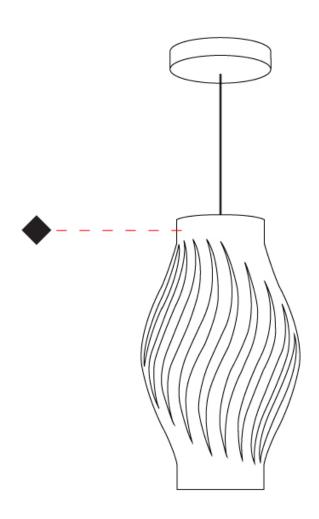






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HELIOS SURFACE

D62022-

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: Helios
Brand: Linea Zero
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Ambient

PHYSICAL

Shape: Abstract

Diameter (mm): 400

Diameter (in): 15 ¾

Height (mm): 390

Height (in): 15 ½

Light Distribution: Omnidirectional

Diffuser: Polilux™ Shade - See Finish Options

Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Fixture Material: Polilux™/ Metal holder

ELECTRICAL

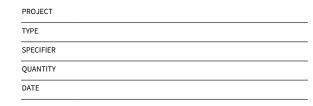
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

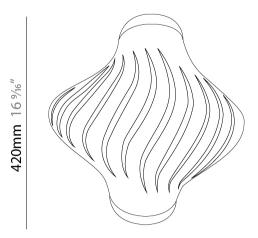
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





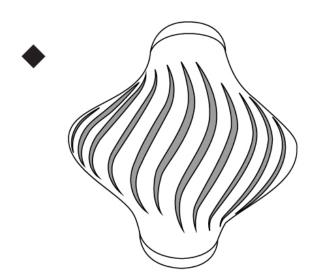






D62022-







HELIOS SURFACE

D62026-

base number

Finish 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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Ambient	

mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Abstract
Length (mm): 520
Length (in): 20 ½
Width (mm): 260
Width (in): 10 1/4
Height (mm): 420
Height (in): 16 % 16
Light Distribution: Downlight
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder

ELECTRICAL

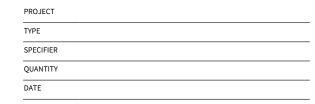
ELECIR	RICAL
Number	r of Lamps: 2
Lamp T	ype: LED Retrofit
Bulb Inc	cluded: Bulb Not Included
Max. Wa	attage Per Lamp (W): 7
Lamp B	ase: E26
Input Vo	oltage (V): 120
Upon Re	equest: 277Vac / GU24

LED

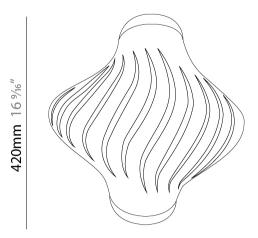
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards		
IP rating: IP20		





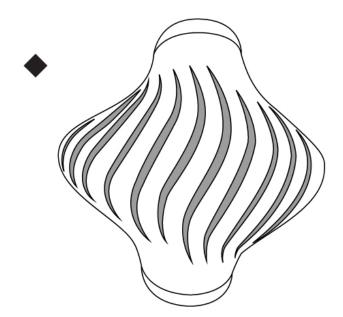






D62026-

PROJECT	
TYPE	
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HELIOS SURFACE

D62027-

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: Helios
Brand: Linea Zero
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Ambient

Mounting Type: Surface

Mounting Location: Ceiling

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 520

Length (in): 20 ½

Width (mm): 260

Width (in): 10 ½

Height (mm): 420

Height (in): 16 ¾

Height (in): 16 ¾

Light Distribution: Omnidirectional

Diffuser: Polilux™ Shade - See Finish Options

Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Fixture Material: Polilux™ / Metal holder

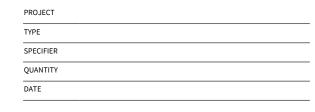
ELECTRICAL

Number of Lamps: 2
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

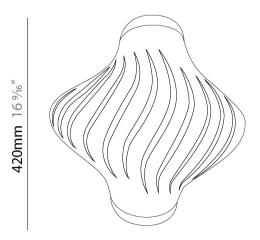
LED

OPTICAL RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





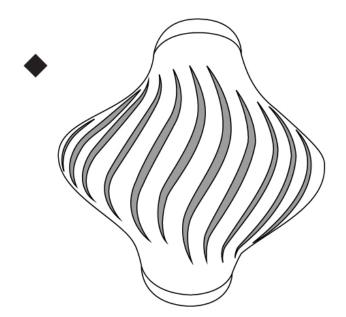






D62027-

PROJECT	
TYPE	_
SPECIFIER	_
QUANTITY	_
DATE	_





HELIOS SURFACE

D63004-

base number

Finish 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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: Ambient	

Subcategory: Ambient
PHYSICAL
Shape: Abstract
Length (mm): 330
Length (in): 13
Height (mm): 250
Height (in): 9 13/16
Extension (mm): 170
Extension (in): 6 ¹¹ / ₁₆
Light Distribution: Omnidirectional
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder

ELECTRICAL

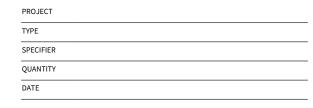
ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

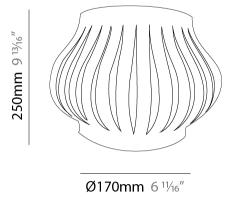
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





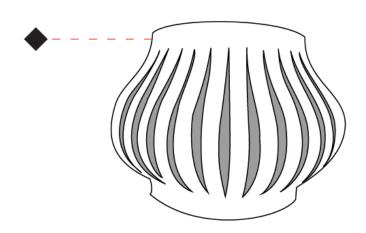






D63004-







HELIOS SURFACE

D63005-

base number

Finish 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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: Ambient	

Subcategory: Ambient	
PHYSICAL	
Shape: Abstract	
Length (mm): 330	
Length (in): 13	
Height (mm): 250	
Height (in): 9 13/16	
Extension (mm): 170	
Extension (in): 6 11/16	
Light Distribution: Omnidirectional	
Diffuser: Polilux™ Shade - See Finish Options	
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL	

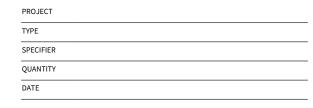
Fixture Material: Polilux™/ Metal holder

ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

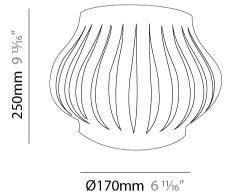
LED

OPTICAL RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





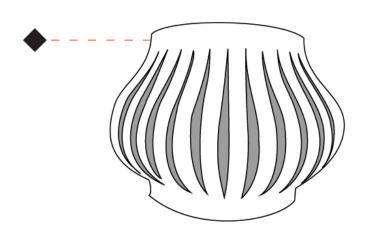






D63005-







HELIOS SURFACE

D63006-

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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: Ambient	

Mounting Location: Wall
Subcategory: Ambient
PHYSICAL
Shape: Abstract
Length (mm): 340
Length (in): 13 ³ / ₈
Height (mm): 350
Height (in): 13 ¾
Extension (mm): 190
Extension (in): 7 ½
Light Distribution: Omnidirectional
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder

ELECTRICAL

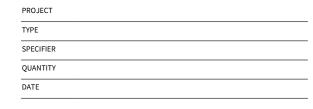
LLLCTROOL
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

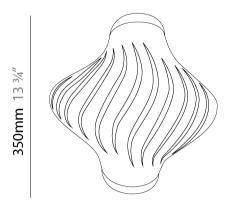
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





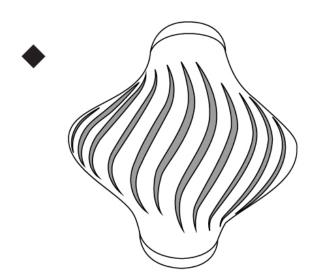






D63006-







HELIOS SURFACE

D63007-

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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: Ambient	

mounting Type: Surface
Mounting Location: Wall
Subcategory: Ambient
PHYSICAL
Shape: Abstract
Length (mm): 340
Length (in): 13 3/8
Height (mm): 350
Height (in): 13 ³ / ₄
Extension (mm): 190
Extension (in): 7 ½
Light Distribution: Direct / Indirect
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL
Fixture Material: Polilux™/ Metal holder
FLECTRICAL

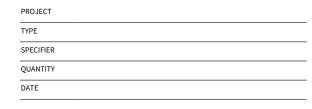
ELECTRICAL	
Number of Lamps: 1	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	
Max. Wattage Per Lamp (W): 7	
Lamp Base: E26	
Input Voltage (V): 120	
Upon Request: 277Vac / GU24	

LED

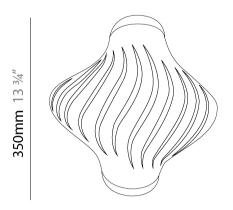
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards IP rating: IP20





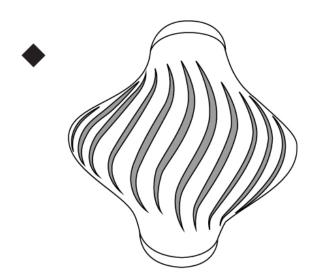






D63007-









D64023-

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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Portable	
Mounting Location: Table	
Subcategory: Table	

PHYSICAL	
Shape: Abstract	
Diameter (mm): 400	
Diameter (in): 15 ¾	
Height (mm): 390	
Height (in): 15 3/8	
Light Distribution: Omnidirectional	

Diffuser: Polilux™ Shade - See Finish Options

Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Fixture Material: Polilux™/ Metal holder

Upon Request: Bolt Down

ELECTRICAL

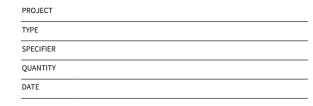
Number of Lamps: 1 Lamp Type: LED Retrofit Bulb Included: Bulb Not Included Max. Wattage Per Lamp (W): 7 Lamp Base: E26 Input Voltage (V): 120

Upon Request: 277Vac / GU24 LED

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





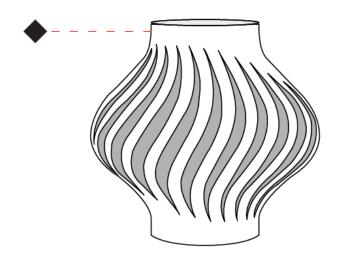






D64023-









D64024-

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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Portable	
Mounting Location: Table	
Subcategory: Table	

Subcategory: Table
PHYSICAL
Shape: Abstract
Diameter (mm): 350
Diameter (in): 13 ¾
Height (mm): 610
Height (in): 24
Light Distribution: Omnidirectional
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Upon Request: Bolt Down

Fixture Material: Polilux™/ Metal holder

ELECTRICAL

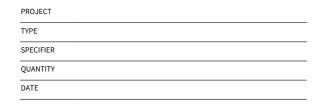
Number of Lamps: 1 Lamp Type: LED Retrofit Bulb Included: Bulb Not Included Max. Wattage Per Lamp (W): 7 Lamp Base: E26 Input Voltage (V): 120

Upon Request: 277Vac / GU24 LED

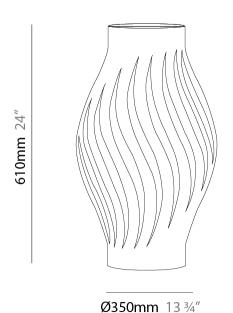
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





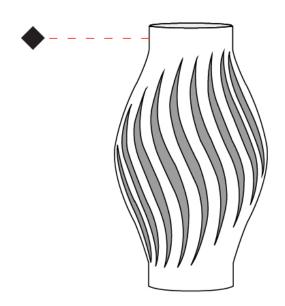






D64024-









D64026-

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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Portable	
Mounting Location: Table	
Subcategory: Table	

PHYSICAL
Shape: Abstract
Diameter (mm): 190
Diameter (in): 7 ½
Height (mm): 320
Height (in): 12 ½
Light Distribution: Omnidirectional
Diffuser: Polilux™ Shade - See Finish Options
Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Fixture Material: Polilux™/ Metal holder

Upon Request: Bolt Down

ELECTRICAL

LLECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120

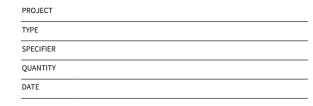
LED

OPTICAL

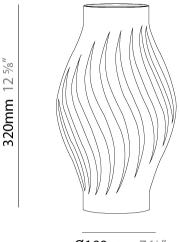
RATINGS AND CERTIFICATIONS

Upon Request: 277Vac / GU24

Certified By: Certified for North American Standards





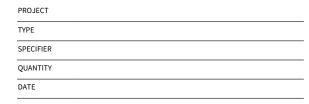


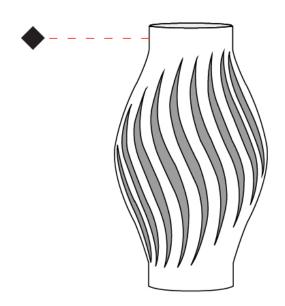
Ø190mm 7 ½"





D64026-







HELIOS PORTABLE

D64029-

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: Helios	
Brand: Linea Zero	
Division: Design	
Mounting Type: Portable	
Mounting Location: Floor	
Subcategory: Table	

PHYSICAL

Shape: Abstract	
Diameter (mm): 350	
Diameter (in): 15 ¾	
Height (mm): 1230	
Height (in): 13 ¾	
Light Distribution: Omnidirectional	

Diffuser: Polilux™ Shade - See Finish Options

Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Fixture Material: Polilux™/ Metal holder

Upon Request: Bolt Down

ELECTRICAL

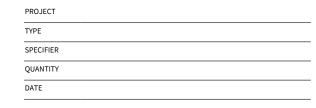
Number of Lamps: 2
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

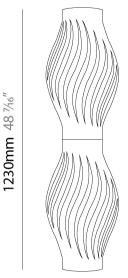
OPTICAL

RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$



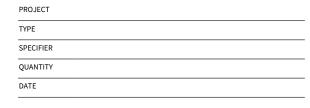


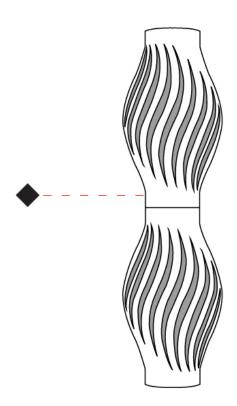






D64029-







HELIOS PORTABLE

D64030-

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: Helios
Brand: Linea Zero
Division: Design
Mounting Type: Portable
Mounting Location: Floor
Subcategory: Table

PHYSICAL

Shape: Abstract
Diameter (mm): 430
Diameter (in): 15 $\frac{3}{4}$ Height (mm): 1230
Height (in): 16 $\frac{15}{16}$ Light Distribution: Omnidirectional

Diffuser: Polilux™ Shade - See Finish Options

Fixture Finish: WHI / BLK / PBL / POR / PGN / COP / NGD / PKM / SIL

Fixture Material: Polilux™/ Metal holder

Upon Request: Bolt Down

ELECTRICAL

Number of Lamps: 2
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120

LED

OPTICAL

RATINGS AND CERTIFICATIONS

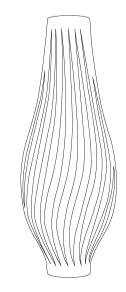
Upon Request: 277Vac / GU24

 $\underline{\hbox{Certified By: Certified for North American Standards}}$







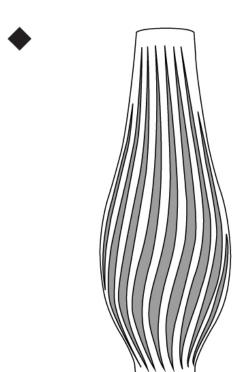






D64030-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	



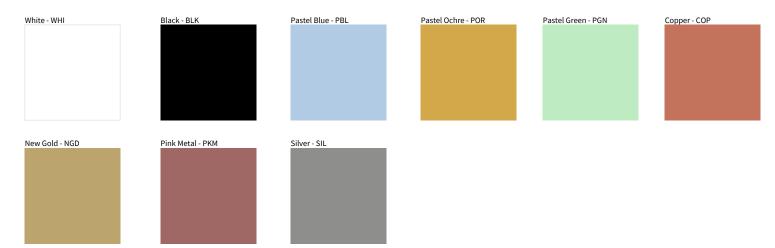




HELIOS

COLOR FINISH CHART

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.





HELIOS

LEGEND

П		_		\bigcirc	special LED (upon request) RGB_RGBW_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
	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
7	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)
[P44]	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)
IKOB	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)