

# PUZZLE™ - SUSPENDED

Project Name:

Fixture Type:

Fixture Code:

Quantities:



PUZZLE™ - SUSPENDED



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Buoyant and cheerful, **PUZZLE** is a collection of curvilinear pendants consisting of 5 organic shapes each with 3 sizes. What these shapes are is an enigma left open to the individual's imagination and designed for creating remarkable configurations that complement a variety of design themes.

## GENERAL SPECIFICATION

### Body

Aluminum.

### Suspension

Steel cables.

### Remote Emergency

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch (NA only) Maximum distance between wall/ceiling plate and luminaire is 15'7/4.5m. Test switch fits a single gang box (not supplied).

### Drivers

HPF electronic drivers for 120-277V, 37V (EU-240V). Drivers are either remote mounted or integral to the canopy depending on the size of the fixture.

### Mechanical

Luminaires mount directly over J box (by others - North America only).

### Delivered Lumens

Delivered lumens & LPW based on 4000K (min 80 CRI).

### Approvals

Damp Rated.

### Finish

Powder coated.

### Power cable

Silver braided.

### Remote Mounting Of Drivers

Wire Size 18 AWG - Max distance (from fixture to drivers) 40' (12.2m), Wire size 16 AWG - Max distance 60' (18.3m), Wire size 14 AWG - Max distance 90 (27.4m). Drivers must be accessible after installation.

### Diffuser

Protruding Lens (0.9"/2.1mm).

### Sensors

Consult factory regarding sensor compatibility.

### Reported L70 @25°C (77°F)

> 50,000 hrs.

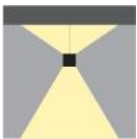
### Patent No.

D827909, D827187, D827908, D828611, D827907.

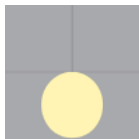
## MOUNTING & OPTICS



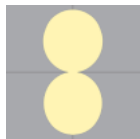
Suspended Direct



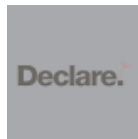
Suspended Direct/Indirect



Direct



Direct-indirect



Declare

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## HOW TO ORDER

### A. CHOOSE SHAPE AND SIZE

Select from one of the following 5 shapes. Three sizes per Shape, consult dimensional diagrams for actual sizes.

#### SHAPE "A"



**PULP1P01** A1, Direct, 3200 lms

**PULP2P02** A2 Direct/Indirect, 10300 lms

**PULP1P02** A2, Direct, 5100 lms

**PULP2P03** A3 Direct/Indirect, 14100 lms

**PULP1P03** A3, Direct, 7000 lms

**PULP2P01** A1, Direct/Indirect, 6700 lms

#### SHAPE "B"



**PULP1P04** B1 Direct, 3000 lms

**PULP2P05** B2, Direct/Indirect, 9500 lms

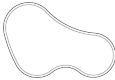
**PULP1P05** B2 Direct, 4800 lms

**PULP2P06** B3 Direct/Indirect, 13400 lms

**PULP1P06** B3 Direct, 6600 lms

**PULP2P04** B1, Direct/Indirect, 5700 lms

#### SHAPE "C"



**PULP1P07** C1 Direct, 3000 lms

**PULP2P08** C2 Direct/Indirect, 9500 lms

**PULP1P08** C2 Direct, 4800 lms

**PULP2P09** C3 Direct/Indirect, 13400 lms

**PULP1P09** C3 Direct, 6600 lms

**PULP2P07** C1 Direct/Indirect, 6300 lms

#### SHAPE "D"



**PULP1P10** D1 Direct, 3200 lms

**PULP2P11** D2 Direct/Indirect, 10300 lms

**PULP1P11** D2 Direct, 5000 lms

**PULP2P12** D3 Direct/Indirect, 14100 lms

**PULP1P12** D3 Direct, 7000 lms

**PULP2P10** D1 Direct/Indirect, 6700 lms

#### SHAPE "E"



**PULP1P13** E1 Direct, 3000 lms

**PULP2P14** E2 Direct/Indirect, 10300 lms

**PULP1P14** E2 Direct, 5000 lms

**PULP2P15** E3 Direct/Indirect, 14100 lms

**PULP1P15** E3 Direct, 7000 lms

**PULP2P13** E1, Direct/Indirect, 6300 lms

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## B. LUMENS (DIRECT)

**LPF017** 175 lm/ft <sup>1</sup>

**LPF026** 265 lm/ft <sup>2</sup>

**LPF035** 350 lm/ft <sup>3</sup>

<sup>1</sup> Based of 50% of total output.

<sup>2</sup> Based on 75% of total output.

<sup>3</sup> 100% of total output.

## C. LUMEN (INDIRECT)

**LPG000** Not required

**LPG017** 175 lm/ft <sup>1</sup>

**LPG026** 265 lm/ft <sup>2</sup>

**LPG035** 350 lm/ft <sup>3</sup>

<sup>1</sup> Based of 50% of total output.

<sup>2</sup> Based on 75% of total output.

<sup>3</sup> 100% of total output.

## D. CRI

**CR80** CRI 80+

**CR90** CRI 90+

## E. CCT (DIRECT)

**CTA30** 3000K

**CTA35** 3500K

**CTA40** 4000K

## F. CCT (INDIRECT)

**CTB00** Not required

**CTB30** 3000K

**CTB35** 3500K

**CTB40** 4000K

## G. VOLTAGE

**V1** 120/277V

**V2** 240V <sup>1</sup>

**V3** 347V <sup>2</sup>

<sup>1</sup> Not available in North America.

<sup>2</sup> Available with DA01 only.

## H. DIMMING

**DA01** 0-10V Dimming 1.0%

**DA02** 0-10V Dimming 0.1% <sup>1</sup>

**DA20** DALI Dimming 0.1% <sup>1</sup>

**DA21** DALI Dimming 1.0% <sup>1</sup>

<sup>1</sup> Remote, not available with V3.

## I. SUSPENSION

**SS1** Vertical, Remote driver

**SS3** Vertical, Driver Integral to Canopy <sup>1</sup>

<sup>1</sup> Available with DA01 only.

## J. FINISH

**FA01** White

**FA02** Black Metallic - Textured

**FA20** Silver Metallic - Textured

**FA25** Gold Metallic - Textured

**FA44** Midnight Blue Metallic - Textured

**FA45** Copper Metallic

**FA46** Charcoal Metallic - Textured

**FA47** Bronze Metallic - Textured

**FA52** Champagne Metallic

**FA53** Red Metallic - Textured

## K. CANOPY FINISH

**CF01** White

**CF02** Black Metallic - Textured

**CF20** Silver Metallic - Textured

**CF25** Gold Metallic - Textured

**CF44** Midnight Blue Metallic - Textured

**CF45** Copper Metallic

**CF46** Charcoal Metallic - Textured

**CF47** Bronze Metallic - Textured

**CF52** Champagne Metallic

**CF53** Red Metallic - Textured



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## L. EMERGENCY

**E0** Not required

**E2** Emergency system - Remote

## M. CIRCUITS

**CS1** Single circuit

**CS2** Dual circuit



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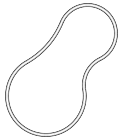
## TECHNICAL DATA

### SHAPE "A"



Code	PULP1P01	PULP1P02	PULP1P03	PULP2P01	PULP2P02	PULP2P03
Size	A1	A2	A3	A1	A2	A3
Light Direction	Direct	Direct	Direct	Direct/Indirect	Direct/Indirect	Direct/Indirect
Wattage	39W	61W	84W	80	123	168
Delivered lms	3200	5100	7000	6700	10300	14100
LPW	83	83	83	84	84	84
Suspension Points	3	3	4	3	3	4

### SHAPE "B"



Code	PULP1P04	PULP1P05	PULP1P06	PULP2P04	PULP2P05	PULP2P06
Size	B1	B2	B3	B1	B2	B3
Light Direction	Direct	Direct	Direct	Direct/Indirect	Direct/Indirect	Direct/Indirect
Wattage	36	58	80	68	113	160
Delivered lms	3000	4800	6600	5700	9500	13400
LPW	83	83	83	84	84	84
Suspension Points	3	4	5	3	4	5

### SHAPE "C"



Code	PULP1P07	PULP1P08	PULP1P09	PULP2P07	PULP2P08	PULP2P09
Size	C1	C2	C3	C1	C2	C3
Light Direction	Direct	Direct	Direct	Direct/Indirect	Direct/Indirect	Direct/Indirect
Wattage	36	58	80	75	113	160
Delivered lms	3000	4800	6600	6300	9500	13400
LPW	83	83	83	84	84	84
Suspension Points	3	4	5	3	4	5



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## SHAPE "D"



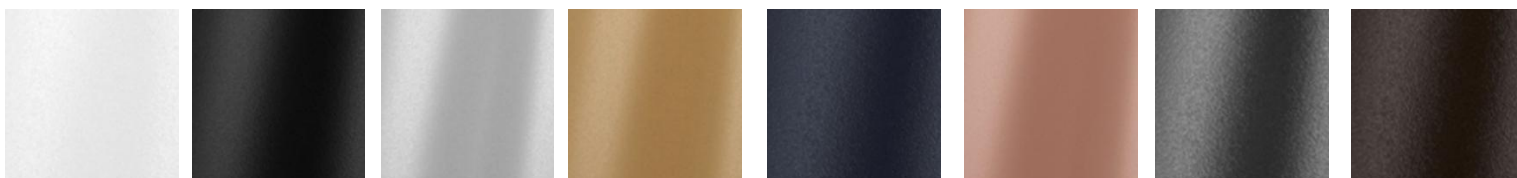
Code	PULP1P10	PULP1P11	PULP1P12	PULP2P10	PULP2P11	PULP2P12
<b>Size</b>	D1	D2	D3	D1	D2	D3
<b>Light Direction</b>	Direct	Direct	Direct	Direct/Indirect	Direct/indirect	Direct/indirect
<b>Wattage</b>	39	61	84	80	123	168
<b>Delivered lms</b>	3200	5000	7000	6700	10300	14100
<b>LPW</b>	83	83	83	84	84	84
<b>Suspension Points</b>	3	4	5	3	4	5

## SHAPE "E"



Code	PULP1P13	PULP1P14	PULP1P15	PULP2P13	PULP2P14	PULP2P15
<b>Size</b>	E1	E2	E3	E1	E2	E3
<b>Light Direction</b>	Direct	Direct	Direct	Direct/Indirect	Direct/indirect	Direct/Indirect
<b>Wattage</b>	36	61	84	75	123	168
<b>Delivered lms</b>	3000	5000	7000	6300	10300	14100
<b>LPW</b>	83	83	83	84	84	84
<b>Suspension Points</b>	3	4	5	3	4	5

## FIXTURE FINISH



White      Black Metallic - Textured      Silver Metallic - Textured      Gold Metallic - Textured      Midnight Blue Metallic - Textured      Copper Metallic      Charcoal Metallic - Textured      Bronze Metallic - Textured



Champagne Metallic      Red Metallic - Textured

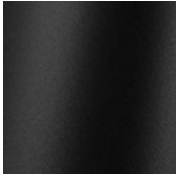


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## CANOPY FINISH



White



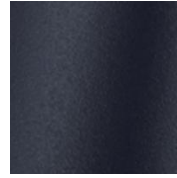
Black Metallic -  
Textured



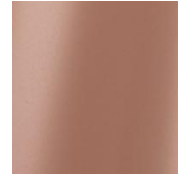
Silver Metallic -  
Textured



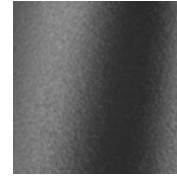
Gold Metallic -  
Textured



Midnight Blue Metallic -  
Textured



Copper Metallic



Charcoal Metallic -  
Textured



Bronze Metallic -  
Textured



Champagne Metallic



Red Metallic -  
Textured

## APPROVALS

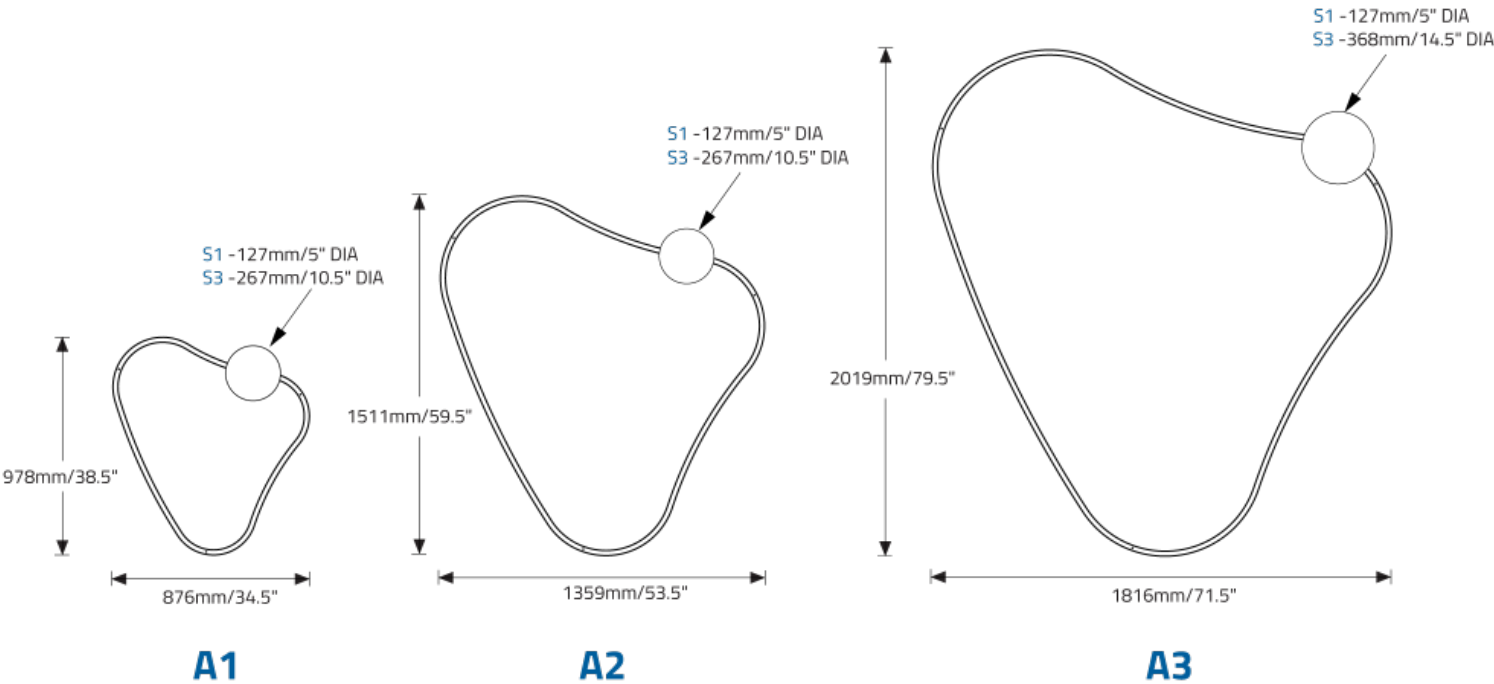


IP20

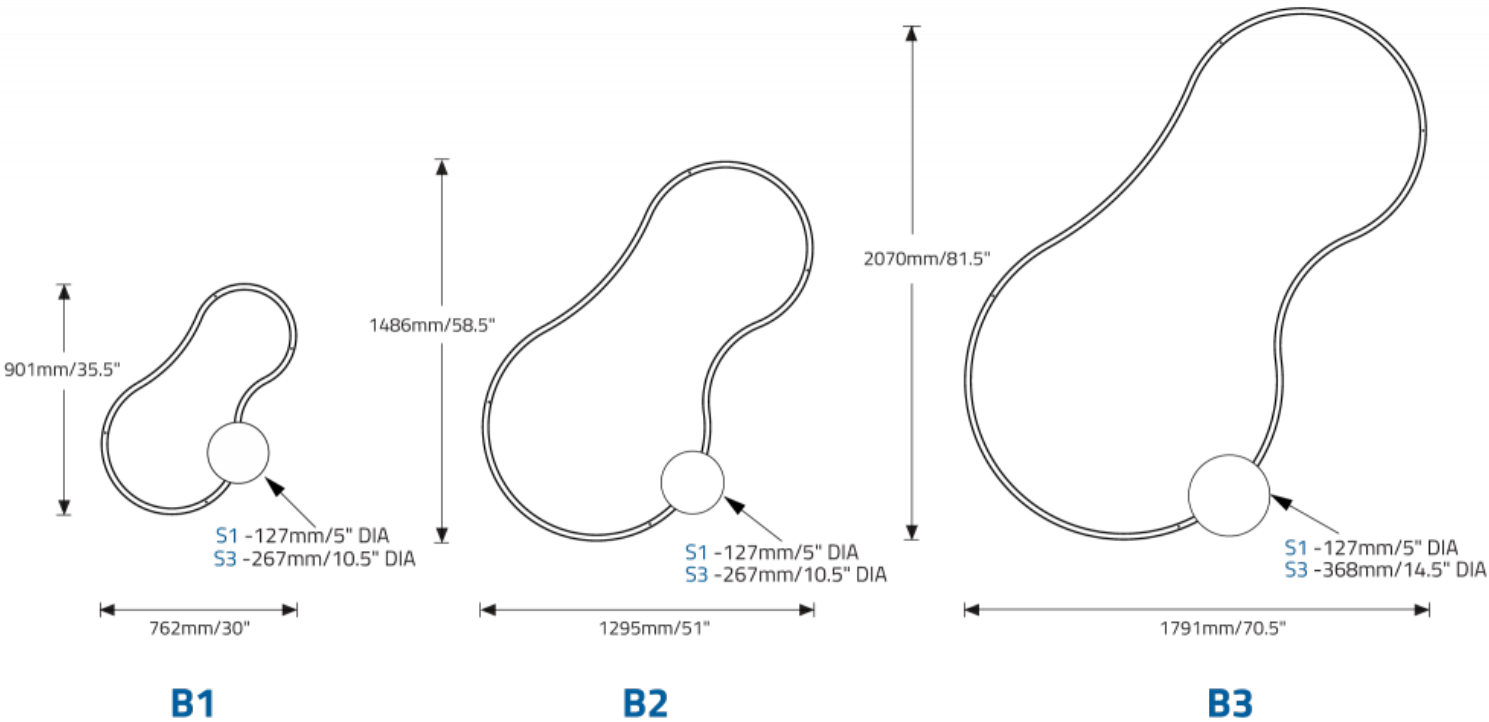
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## DIMENSIONAL DIAGRAMS

A1, A2, A3

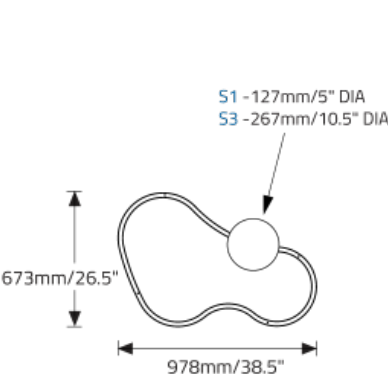


B1, B2, B3

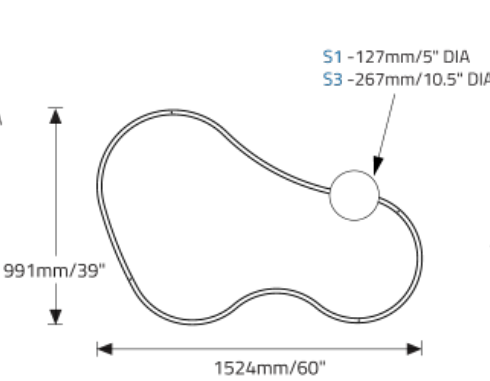


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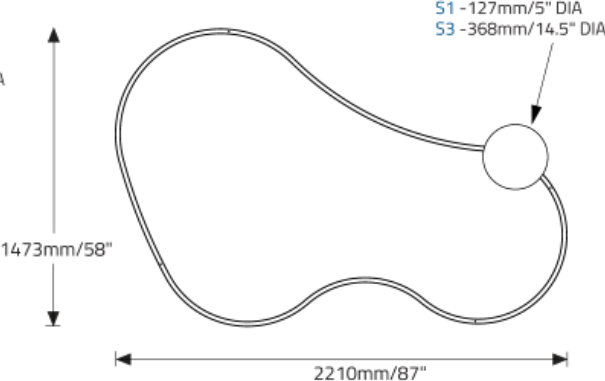
C1, C2, C3



**C1**

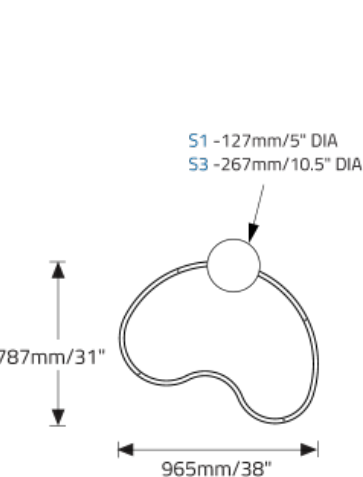


**C2**

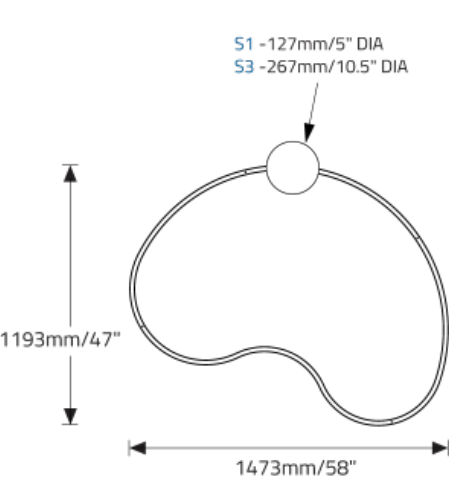


**C3**

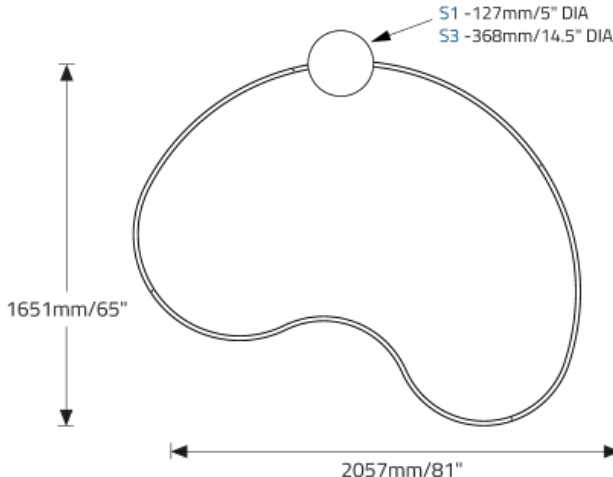
D1, D2, D3



**D1**



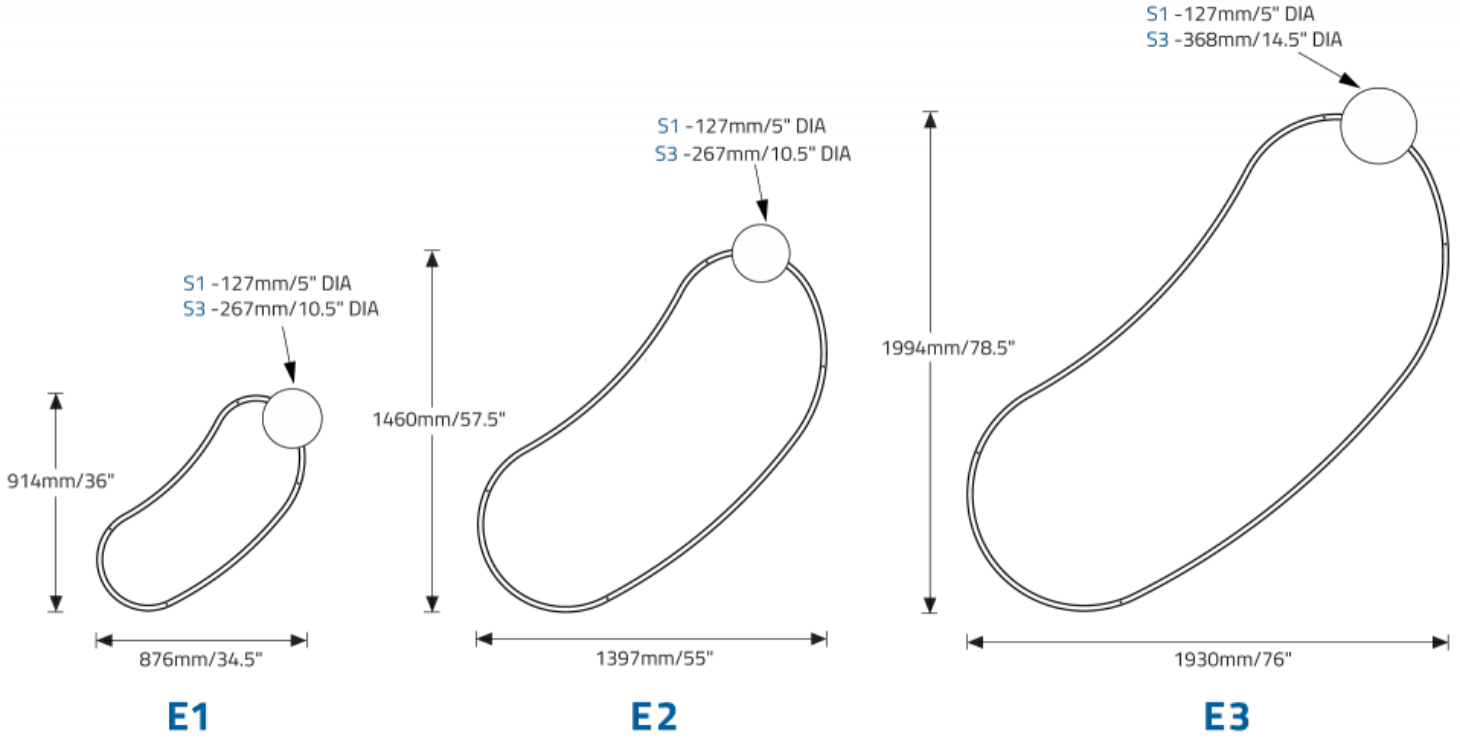
**D2**



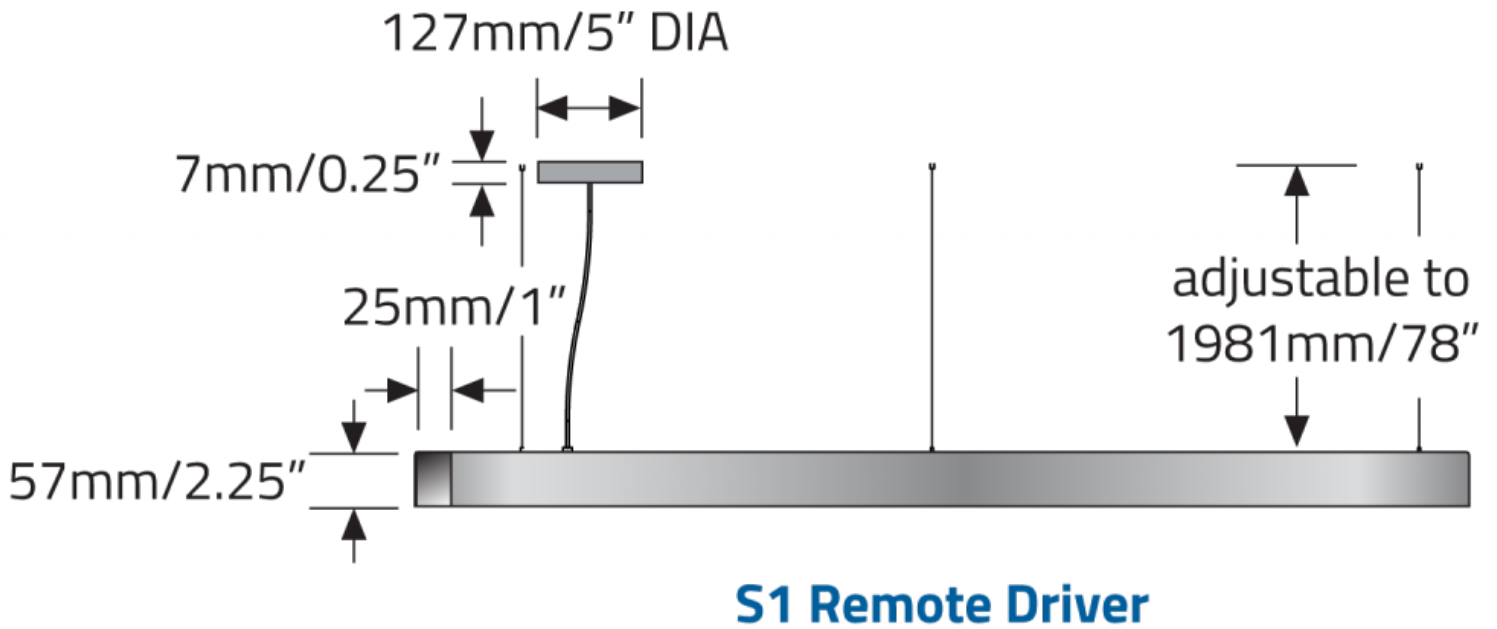
**D3**

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E1, E2, E3



S1 - Remote Driver



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S3 - Integral Driver

