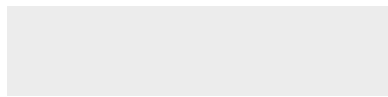
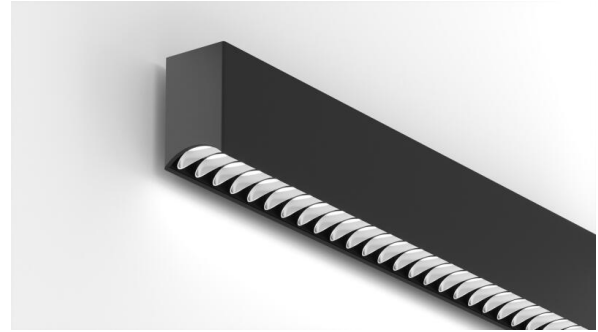


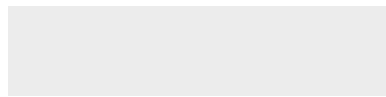


# OOOOH™

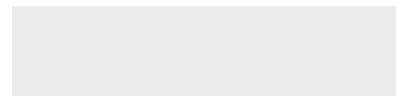
## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

### 1 DESCRIPTION

**OOOOH** dazzles up traditional linear lighting concepts with an innovative louver system. An array of ellipses is incurved to conform to a tunnel-shaped profile creating a subtle aesthetic and sublime lighting effect. The louver system not only tempers the starkness of the commonly exposed diffuser and adds an enchanting decorative feature, but also offers visual comfort by minimizing glare. The injection-molded louvers come in 5 finishes: Black for the highest glare control, White for higher reflectance and performance, and for an interior design enhancement, satinized finishes Satin Chrome, Satin Gold, and Satin Champagne. **OOOOH** presents a simple way to transform a functional light into a luxurious design feature.

### 2 OPTICS & FEATURES

Wall - Direct/Indirect	Direct DD1	Direct DD4	Indirect UD2	Indirect UD3	Bios	Declare	PoE	Tunable White

### 3 APPROVALS



### 4 GENERAL SPECIFICATION

#### BODY

Aluminum.

#### FINISH

Powder coated.

#### LENS

Opal acrylic. 2.4" width.

#### POE

Can be integrated into your data network via Power over Ethernet (PoE) connectivity.

#### DRIVERS

HPF electronic drivers for 120-277V, 347V (EU-240V). The driver is integral to the fixture housing.

#### INTEGRAL EMERGENCY SYSTEM

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

#### FIXTURE LENGTHS

Available in 1" increments. Contact the factory for details.

#### ESTIMATED L70 @25°C (77°F)

> 165,000 hrs @ 2000 lumens/ft (6000 lumens/m)

#### RGBW

RGBW available, consult factory.

#### DESIGNED BY

Serge Cornelissen.

#### SUSTAINABILITY

Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

#### MECHANICAL

Luminaires mount directly over J box (by others).

#### BIOS

For circadian lighting, consult factory.

#### DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

#### SENSORS

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

#### REPORTED L70 @25°C (77°F)

> 60,000 hrs @ 2000 lumens/ft (6000 lumens/m)

#### TUNABLE WHITE

Tunable White range from 2700K to 6500K is available; contact the factory for details.

#### APPROVALS

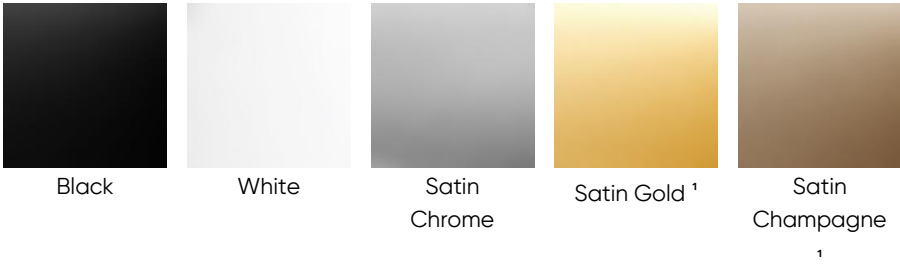
Damp Rated.

#### DESIGN

US Pat. No. D969,395.

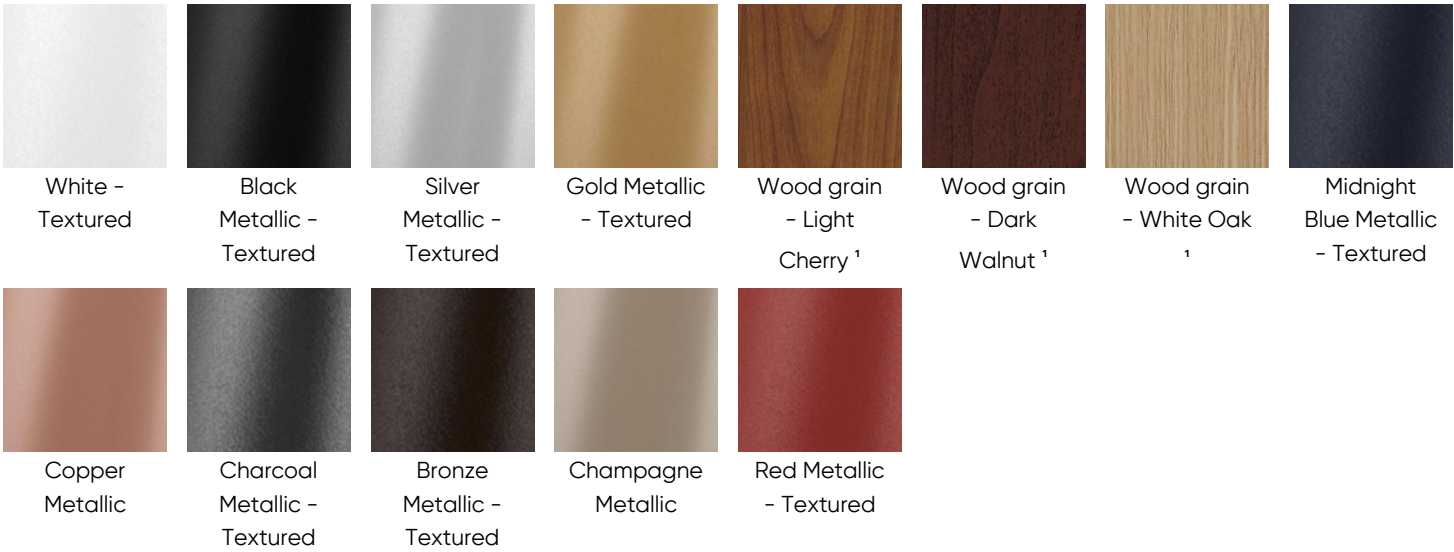
**5 DESIGN OPTIONS**

**LOUVER**



<sup>1</sup> There will be a slight color cast on the wall when using the Satin Gold or Satin Champagne louvers.

**FINISH**



<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

**6 HOW TO ORDER**

**1. LUMINAIRE**

HLNW1W Direct      HLNW2W Direct/Indirect

One power cord for every 50 linear feet.

## 2. LENGTH OF RUN

The minimum length of order is 4'. Lengths are to be in 2' increments. For 6" increments, consult factory.

Example: 4' = SFA0400, 10' = SFA1000, 50' = SFA5000

For runs over 50' in length, consult factory.

SFA\_ \_ \_ \_

## 3. MAX LENGTH PER SECTION

<b>SL04</b> 4ft	<b>SL06</b> 6ft	<b>SL08</b> 8ft	<b>SL10</b> 10ft
<b>SL12</b> 12ft			

You can select the preferred maximum length per segment, to account for transportation and building constraints. Example: If a 40ft run is required and SL12 (12ft) is selected, we would provide 4 10ft segments. For special requirements, please contact sales@betacalco.com.

## 4. LOUVER

<b>LV2</b> Black	<b>LV3</b> White	<b>LV4</b> Satin Chrome	<b>LV6</b> Satin Gold <sup>1</sup>
<b>LV9</b> Satin Champagne <sup>1</sup>			

<sup>1</sup> There will be a slight color cast on the wall when using the Satin Gold or Satin Champagne louvers.

## 5. LM/FT (DIRECT)

<b>LPF020</b> 200 lm/ft	<b>LPF030</b> 300 lm/ft	<b>LPF040</b> 400 lm/ft	<b>LPF050</b> 500 lm/ft
<b>LPF060</b> 600 lm/ft	<b>LPF070</b> 700 lm/ft	<b>LPF080</b> 800 lm/ft	<b>LPF100</b> 1000 lm/ft
<b>LPF120</b> 1200 lm/ft	<b>LPF130</b> 1300 lm/ft		

Lumens/ft are determined by the color of the Louver. Consult website for available lumens/ft based on selected louver.

## 6. LM/FT (INDIRECT)

<b>LPG000</b> Not required	<b>LPG020</b> 200 lm/ft	<b>LPG040</b> 400 lm/ft	<b>LPG060</b> 600 lm/ft
<b>LPG080</b> 800 lm/ft	<b>LPG100</b> 1000 lm/ft	<b>LPG120</b> 1200 lm/ft	<b>LPG140</b> 1400 lm/ft
<b>LPG165</b> 1650 lm/ft			

Consult website for available lumens/ft based on selected louver.

## 7. CRI

<b>CR80</b> CRI 80+	<b>CR90</b> CRI 90+
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## 8. CCT DIRECT

<b>CTA27</b> 2700K	<b>CTA30</b> 3000K	<b>CTA35</b> 3500K	<b>CTA40</b> 4000K
<b>CTA60</b> Tunable White <sup>1</sup>			

<sup>1</sup> Consult factory.

## 9. CCT INDIRECT

<b>CTB00</b> Not required	<b>CTB27</b> 2700K	<b>CTB30</b> 3000K	<b>CTB35</b> 3500K
<b>CTB40</b> 4000K	<b>CTB60</b> Tunable White <sup>1</sup>		

<sup>1</sup> Consult factory.

## 10. DIRECT LENS

<b>DD1</b> Asymmetric	<b>DD4</b> Comfort
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## 11. INDIRECT LENS

<b>UD0</b> Not required	<b>UD2</b> Opal	<b>UD3</b> Asymmetric <sup>1</sup>
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<sup>1</sup> Available up to 1200 lm/ft. The asymmetric distribution will be directed away from the wall.

## 12. UPLIGHT BLACKOUT PLATE

<b>UB00</b> Not required	<b>UB_ _</b> Blackout plate <sup>1</sup>
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<sup>1</sup> Available on a per foot basis. May be required to prevent lighting up duct work in a loft type application.

## 13. VOLTAGE

<b>V1</b> 120/277V	<b>V2</b> 240V <sup>1</sup>	<b>V3</b> 347V <sup>2</sup>	<b>V4</b> Low Voltage <sup>3</sup>
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<sup>1</sup> Not available in North America. <sup>2</sup> Only available with DA01 dimming. <sup>3</sup> Only available with DA45 dimming.

## 14. DIMMING

<b>DA01</b> 0-10V Dimming 1.0%	<b>DA02</b> 0-10V Dimming 0.1% <sup>1</sup>	<b>DA20</b> DALI Dimming 0.1% <sup>1</sup>	<b>DA21</b> DALI Dimming 1.0% <sup>1</sup>
<b>DA30</b> DSI/switchDim <sup>2</sup>	<b>DA45</b> PoE <sup>3</sup>		

<sup>1</sup> Not available with V3. <sup>2</sup> Not available in North America. <sup>3</sup> Only available with V4.

**15. FIXTURE FINISH**

- FA01 White – Textured      FA02 Black Metallic – Textured      FA20 Silver Metallic – Textured      FA25 Gold Metallic – Textured
- FA27 Wood grain – Light Cherry <sup>1</sup>      FA28 Wood grain – Dark Walnut <sup>1</sup>      FA30 Wood grain – White Oak <sup>1</sup>      FA44 Midnight Blue Metallic – Textured
- FA45 Copper Metallic      FA46 Charcoal Metallic – Textured      FA47 Bronze Metallic – Textured      FA52 Champagne Metallic
- FA53 Red Metallic – Textured

<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

**16. EMERGENCY**

- E0 Not required      E1 Emergency system – Integral <sup>1</sup>      E3 Emergency generator circuit <sup>1</sup>

<sup>1</sup> A drawing will be required at time of ordering to determine the required number and location of the emergency sections or generator circuits. Not available in 347V.

**17. CIRCUITS**

- CS1 Single circuit      CS2 Dual circuit <sup>1</sup>

**18. SENSORS**

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

**7 TECHNICAL DATA**

**LUMINAIRE**

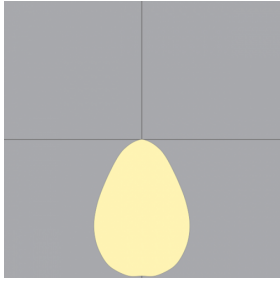
One power cord for every 50 linear feet.

<b>Code</b>	<b>HLNW1W</b>	<b>HLNW2W</b>	
<b>Light Direction</b>			

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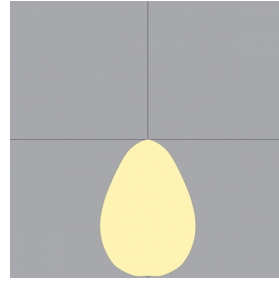
**8 PERFORMANCE DATA**

**DIRECT COMFORT (DD4) - WHITE LOUVER**



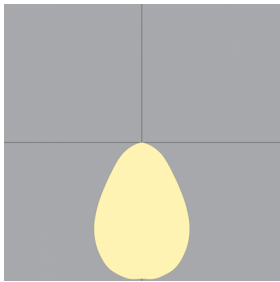
LUMEN/FT	WATT/FT	LPW
1300	13	106
1200	11	108
1000	9	110
800	7	114
700	6	115
600	5	117
500	4	119
400	3	121
300	3	126
200	2	128

**DIRECT COMFORT (DD4) - BLACK LOUVER**



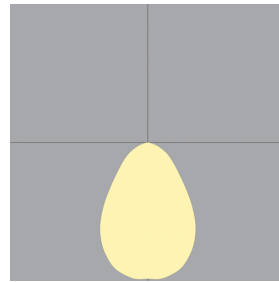
LUMEN/FT	WATT/FT	LPW
700	13	57
600	11	58
500	9	59
400	7	61
300	5	63
200	3	65

**DIRECT COMFORT (DD4) - SATIN CHROME LOUVER**



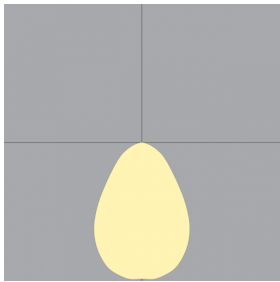
LUMEN/FT	WATT/FT	LPW
1000	13	84
800	9	87
700	9	89
600	7	90
500	5	93
400	4	95
300	3	95
200	2	98

**DIRECT COMFORT (DD4) - SATIN GOLD LOUVER**



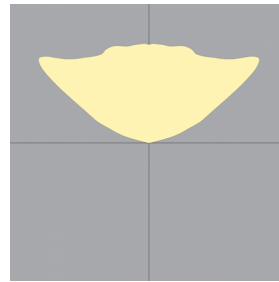
LUMEN/FT	WATT/FT	LPW
1000	13	82
800	9	85
700	9	87
600	7	88
500	5	91
400	4	93
300	3	93
200	2	96

**DIRECT COMFORT (DD4) - SATIN CHAMPAIGN LOUVER**



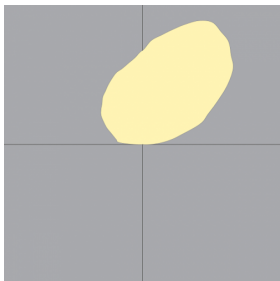
LUMEN/FT	WATT/FT	LPW
1000	13	84
800	9	87
700	9	89
600	7	90
500	5	93
400	4	95
300	3	95
200	2	98

**INDIRECT BATWING (UD1)**



LUMEN/FT	WATT/FT	LPW
1600	13	133
1400	10	138
1200	9	142
1000	7	245
800	6	247
600	4	151
400	3	154
200	1	154

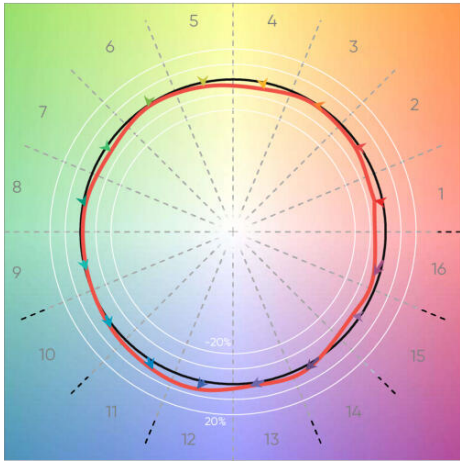
**INDIRECT ASYMMETRIC (UD3)**



LUMEN/FT	WATT/FT	LPW
1200	13	97
1000	10	100
800	9	102
600	6	107
400	4	107
200	2	109
		112

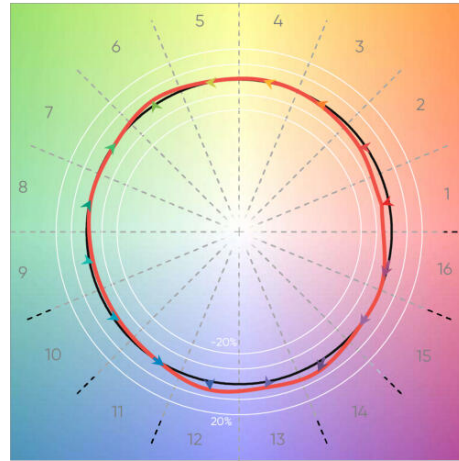
9 TM-30 DATA

**CCT 2700K**



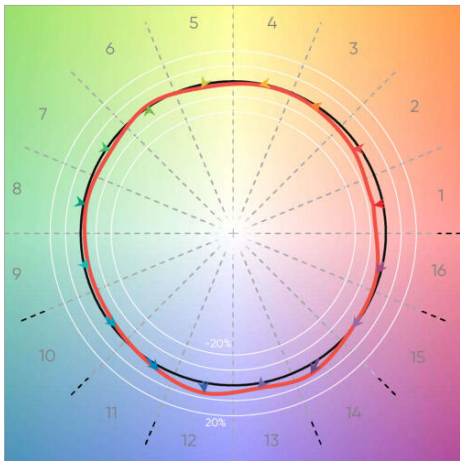
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



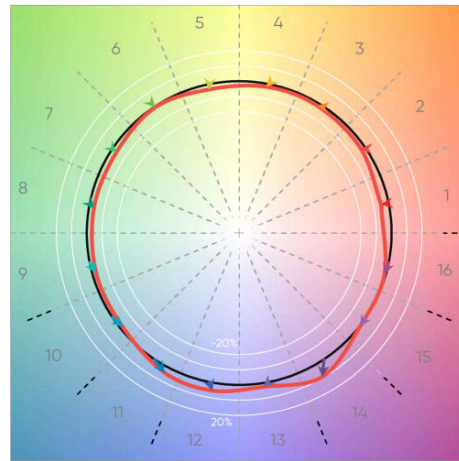
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**CCT 3500K**



<b>CRI(Ra)</b>	91
<b>CRI(R9)</b>	53
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	99
<b>Duv</b>	-0.0007

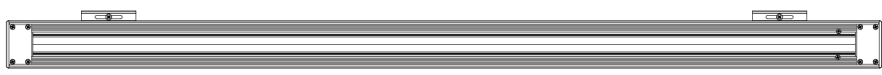
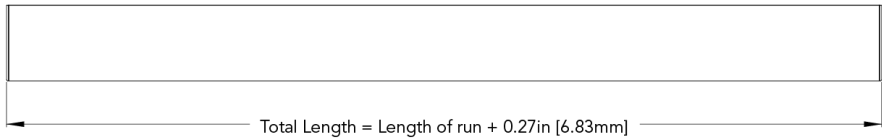
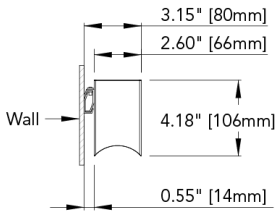
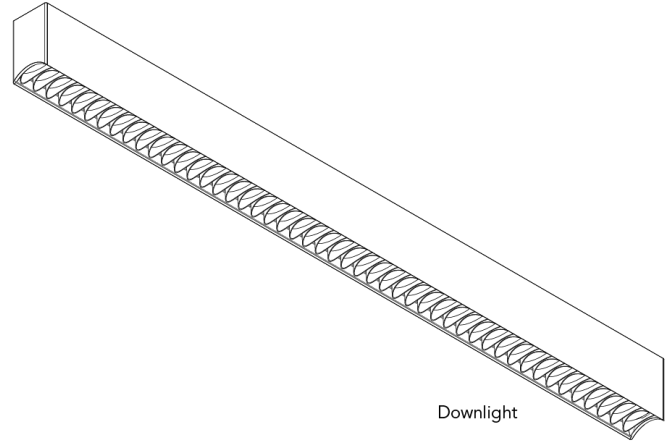
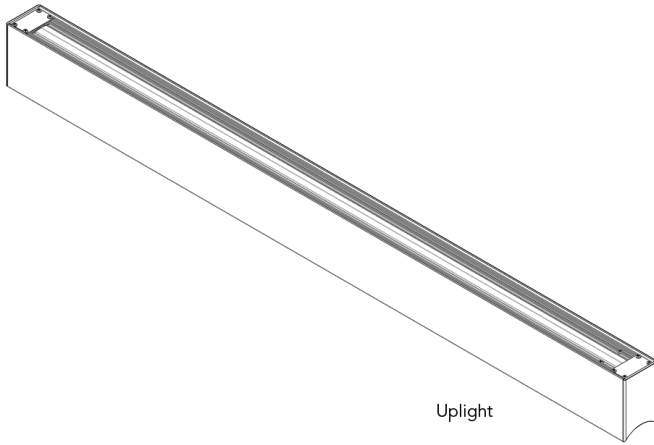
**CCT 4000K**



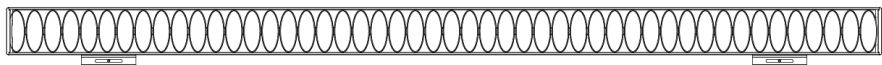
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	64
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	98
<b>Duv</b>	0.0000

**10 DIMENSIONAL DIAGRAMS**

Isometric Views



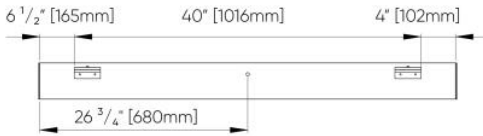
Top View [Uplight]



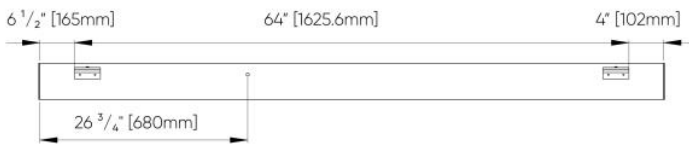
Bottom View [Downlight]

## WALL MOUNT CONFIGURATIONS

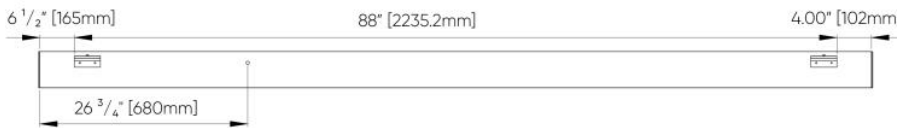
### 4FT



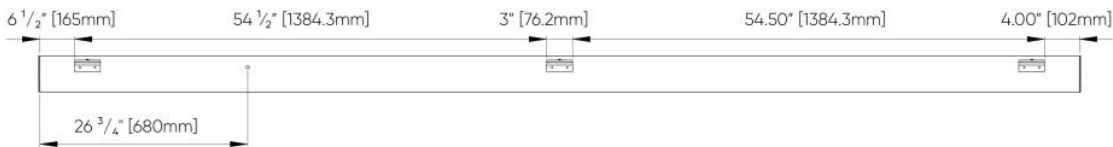
### 6FT



### 8FT



### 10FT



### 12FT

