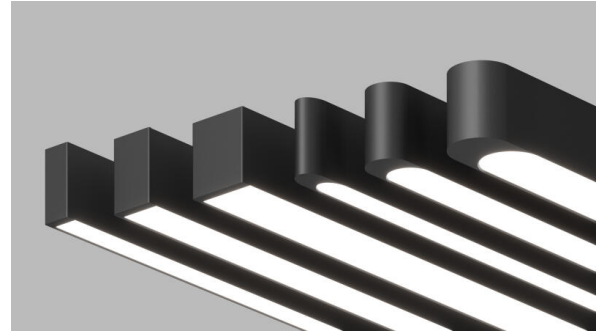




# BLOCK™

## SHORT SPECIFICATION SHEET



Fixture Type

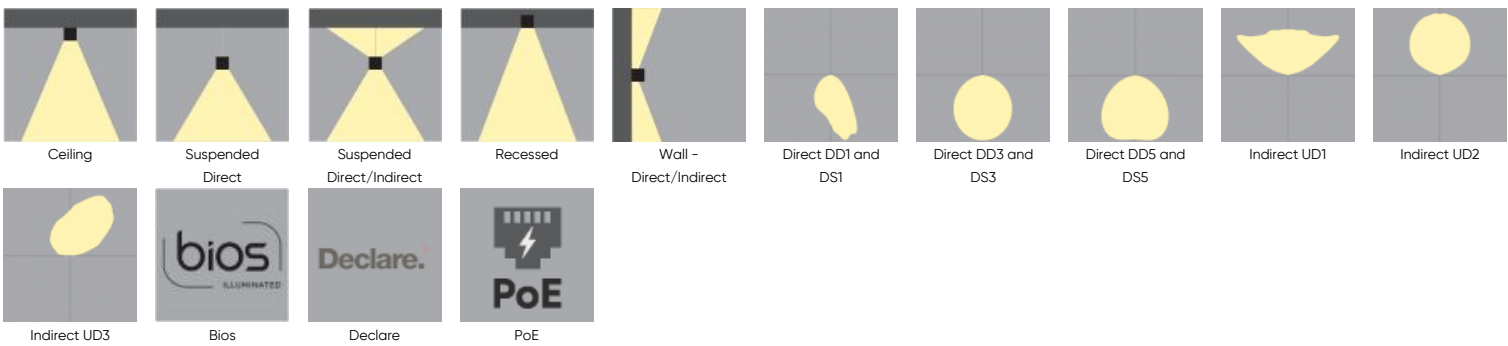
Fixture Code

Quantities

### 1 DESCRIPTION

BLOCK stands as an unwavering workhorse among linear systems, delivering versatile performance to meet the specific aesthetic and functional needs of any project. Available in three aperture sizes (1.5", 2.5", and 3.5"), BLOCK allows designers to tailor lighting to suit any space. The choice of end caps in either sleek flat or elegant curved enhances the luminaire aesthetics, while the seamless rollout diffuser ensures uniform, shadow-free illumination. With precision light distributions – Diffused, Widespread, Batwing, and Asymmetric– and eight lumen packages ranging from 200 LM/FT to 1600 LM/FT, BLOCK offers powerful, energy-efficient lighting with luminous efficacy up to 152 LPW. By integrating BIOS technology, the series supports circadian regulation, enhancing the overall environment to promote health and well-being. Embodying precision, BLOCK fulfills its specification promises with finesse, making it an unequivocal choice for those seeking adaptability across a spectrum of performance criteria and budget considerations.

### 2 MOUNTING & OPTICS



### 3 APPROVALS



**4** GENERAL SPECIFICATION

**BODY**

Aluminum.

**SUSPENSION**

Steel cables.

**DRIVERS**

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

**BIOS**

For circadian lighting, consult factory.

**TUNABLE WHITE**

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

**DELIVERED LUMENS**

Delivered lumens & LPW based on 4000K CRI 80+

**REPORTED L70 @25°C (77°F)**

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

**DIFFUSER**

Opal acrylic diffuser in 2 versions: roll-out or snap-in. The snap-in version is provided with standalone luminaires, while the roll-out lens is designed for continuous systems. When an order includes both standalone and continuous units, the roll-out lens will be provided for all.

**SENSORS**

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

**DESIGN**

US Design Patent Pending.

**FINISH**

Powder coated.

**POWER CABLE**

Silver braided.

**POE**

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

**JUNCTIONS**

X and T junctions available, consult factory.

**RGBW**

RGBW available, consult factory.

**MECHANICAL**

Luminaires mount directly over J box (by others).

**ESTIMATED L70 @25°C (77°F)**

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

**INTEGRAL EMERGENCY SYSTEM**

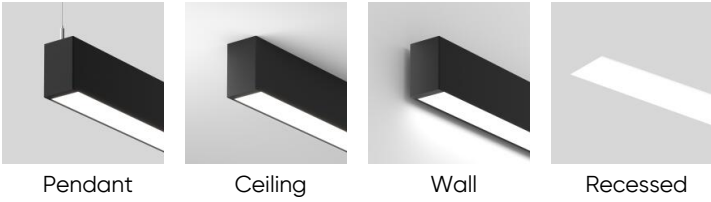
Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

**APPROVALS**

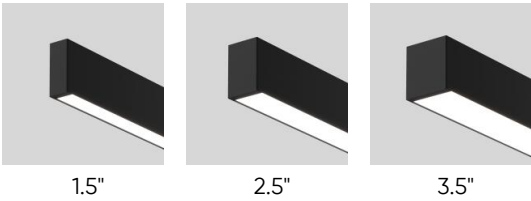
Damp Rated.

**5 DESIGN OPTIONS**

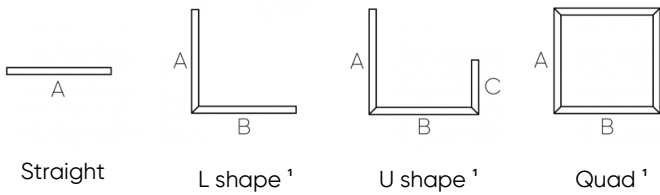
**LUMINAIRE**



**APERTURE**



**RUN TYPE**

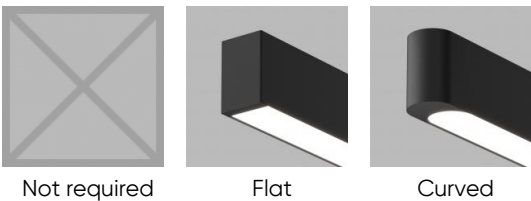


<sup>1</sup> Consult factory if L shape, U shape, or Quad is required with Wall mount.

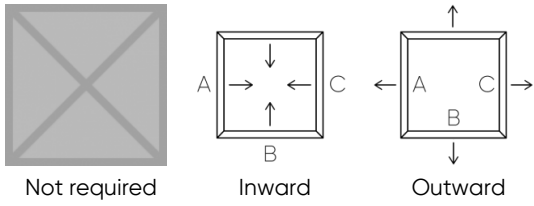
X and T junctions available, consult factory.

\* There is one power cable for a max overall length is 50ft, beyond that extra power cables are required. Consult factory.

**END CAP PROFILE**

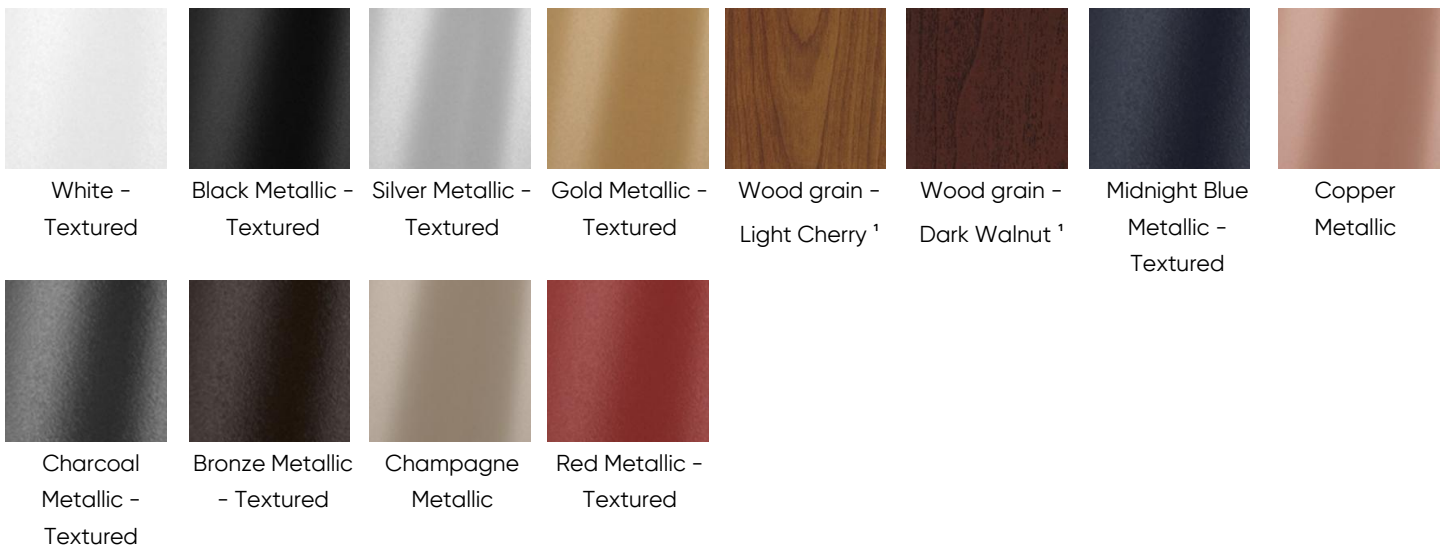


**ASYMMETRIC DIRECTION**



<sup>1</sup> Available up to 1200 lm/ft. The asymmetric distribution will be directed away from the wall.

**FIXTURE FINISH**



<sup>1</sup> Longer than normal lead times may apply, consult factory.

**CANOPY FINISH**



**6 HOW TO ORDER**

**A. LUMINAIRE TYPE**

**BLKP** Pendant                      **BLKC** Ceiling                      **BLKW** Wall                      **BLKR** Recessed

**B. DIRECTION**

**DT1** Direct                      **DT2** Direct/Indirect                      **DT3** Indirect

One power cord for every 50 linear ft.

**C. APERTURE**

**PW01** 1.5"                      **PW02** 2.5"                      **PW03** 3.5"

**D. RUN TYPE**

**TR01** Straight                      **TR02** L shape <sup>1</sup>                      **TR03** U shape <sup>1</sup>                      **TR04** Quad <sup>1</sup>

<sup>1</sup> Consult factory if L shape, U shape, or Quad is required with Wall mount.

X and T junctions available, consult factory.

\* There is one power cable for a max overall length is 50ft, beyond that extra power cables are required. Consult factory.

### E. LENGTH - A

SFA\_ \_ \_ \_

The minimum length to order is 2ft and orders are to be in 2ft increments. For 6 inch increments, consult factory.

Examples:

4ft = SFA0400

10ft = SFA1000

50ft = SFA5000

### F. LENGTH - B

SFB\_ \_ \_ \_

The minimum length to order is 2ft and orders are to be in 2ft increments. For 6 inch increments, consult factory.

Examples:

4ft = SFB0400

10ft = SFB1000

50ft = SFB5000

### G. LENGTH - C

SFC\_ \_ \_ \_

The minimum length to order is 2ft and orders are to be in 2ft increments. For 6 inch increments, consult factory.

Examples:

4ft = SFC0400

10ft = SFC1000

50ft = SFC5000

### H. MAX LENGTH PER SECTION

SL02 2ft <sup>1</sup>

SL04 4ft

SL06 6ft

SL08 8ft

SL10 10ft

SL12 12ft

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<sup>1</sup> The dimming curves on the 2ft section length (SL02) will differ from the other sizes.

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.

### I. END CAP PROFILE

EP00 Not required

EP01 Flat

EP02 Curved

**J. LM/FT (DIRECT)**

<b>LPF000</b> Not required	<b>LPF020</b> 200 lm/ft	<b>LPF040</b> 400 lm/ft	<b>LPF060</b> 600 lm/ft
<b>LPF080</b> 800 lm/ft	<b>LPF100</b> 1000 lm/ft	<b>LPF120</b> 1200 lm/ft	<b>LPF140</b> 1400 lm/ft

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<sup>1</sup> Not available with 1.5" aperture.

**K. 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 <sup>1</sup>
<b>LPG165</b> 1650 lm/ft <sup>1</sup>			

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<sup>1</sup> Available with UD1 (clear diffuser) only.

**L. CRI**

<b>CR80</b> CRI 80+	<b>CR90</b> CRI 90+
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**M. CCT DIRECT**

<b>CTA00</b> Not required	<b>CTA27</b> 2700K	<b>CTA30</b> 3000K	<b>CTA35</b> 3500K
<b>CTA40</b> 4000K			

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<sup>1</sup> Longer lead times may apply, consult factory.

\* Tunable White and RGBW available, consult factory.

**N. CCT INDIRECT**

<b>CTB00</b> Not required	<b>CTB27</b> 2700K	<b>CTB30</b> 3000K	<b>CTB35</b> 3500K
<b>CTB40</b> 4000K			

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<sup>1</sup> Longer lead times may apply, consult factory.

\* Tunable White and RGBW available, consult factory.

### O. DIRECT DIFFUSER

<b>DD0</b> Not required	<b>DD1</b> Asymmetric <sup>1</sup>	<b>DD3</b> Diffused	<b>DD5</b> Widespread
<b>DS1</b> Asymmetric - Seamless <sup>1</sup>	<b>DS3</b> Diffused - Seamless	<b>DS5</b> Widespread - Seamless	

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<sup>1</sup> For straight run type (TR01), when standing at the end view of the profile on the side where the power cord is installed, the asymmetric beam will aim to the right.

Fixed Length available upon request.

### P. INDIRECT DIFFUSER

<b>UD0</b> Not required	<b>UD1</b> Batwing	<b>UD2</b> Diffused	<b>UD3</b> Asymmetric <sup>1</sup>
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<sup>1</sup> Available up to 1200 lm/ft. For straight run type (TR01), when standing at the end view of the profile on the side where the power cord is installed, the asymmetric beam will aim to the right.

### Q. ASYMMETRIC DIRECTION

<b>ASD0</b> Not required	<b>ASD1</b> Inward	<b>ASD2</b> Outward
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<sup>1</sup> Available up to 1200 lm/ft. The asymmetric distribution will be directed away from the wall.

### R. 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 of duct work in loft type applications.

### S. 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.



## T. 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.

## U. CEILING TYPE

<b>G0</b> Not required	<b>G1</b> Grid ceiling <sup>1</sup>	<b>H1</b> Hard ceiling <sup>2</sup>
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The cost for the canopies, power cables, connections mechanisms and endcaps for the fixture has been added to these items.

<sup>1</sup> Combo kit provided includes installation to T-bar and through tile mount.

<sup>2</sup> Designed for drywall ceilings.

## V. CEILING TRIM

<b>RT0</b> Not required	<b>RT1</b> Tegular T-bar <sup>1 2</sup>	<b>RT2</b> Lay-In T-Bar <sup>1</sup>	<b>RT3</b> Trimless <sup>1 4</sup>
<b>RT4</b> Trim <sup>1 4</sup>			

<sup>1</sup> For Recessed luminaires only.

<sup>2</sup> Fixture designed to fit into a 9/16" or 15/16" standard tegular grid T-bar and through tile mount. Dimensions are nominal for grid ceiling fixtures. All fixture metalwork is white.

<sup>3</sup> Fixture designed to fit into a 9/16" or 15/16" standard grid T-bar and through tile mount. Dimensions are nominal for grid ceiling fixtures. All fixture metalwork is white.

<sup>4</sup> Fixture designed for drywall ceilings. All fixture metalwork can be either white or black.

## W. SUSPENSION

<b>HLA00</b> Not required	<b>HLA03</b> 3ft cable suspension	<b>HLA06</b> 6ft cable suspension	<b>HLA09</b> 9ft cable suspension
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\* Note: Special order available on lengths over 13ft and may be subject to longer lead times, consult factory.

## X. FIXTURE FINISH

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

<sup>1</sup> Longer than normal lead times may apply, consult factory.

## Y. CANOPY FINISH

<b>CF00</b> Not required	<b>CF01</b> White - Textured	<b>CF02</b> Black Metallic - Textured	<b>CF20</b> Silver Metallic - Textured
<b>CF25</b> Gold Metallic - Textured	<b>CF44</b> Midnight Blue Metallic - Textured	<b>CF45</b> Copper Metallic	<b>CF46</b> Charcoal Metallic - Textured
<b>CF47</b> Bronze Metallic - Textured	<b>CF52</b> Champagne Metallic	<b>CF53</b> Red Metallic - Textured	

## Z. QUANTITY OF EMERGENCY SECTIONS

<b>E0</b> Not required	<b>E1</b> Emergency system - Integral <sup>1</sup>	<b>E3</b> Emergency generated circuit - Remote <sup>1</sup>
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<sup>1</sup> Specify quantity of emergency sections or emergency generator circuits required based off total length of run. <sup>1</sup> Available upon request, consult factory for details. Not available with 347V.

Note: a drawing will be required at time of ordering to determine the required location of the emergency sections or generator circuits.

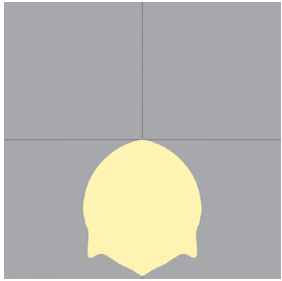
## [. CIRCUITS

<b>CS1</b> Single circuit	<b>CS2</b> Dual circuit <sup>1</sup>
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## \. SENSORS

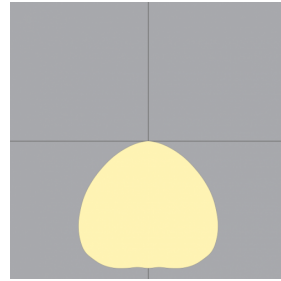
**7** PERFORMANCE DATA

**1.5 DIRECT DIFFUSED (DD3 AND DS3)**



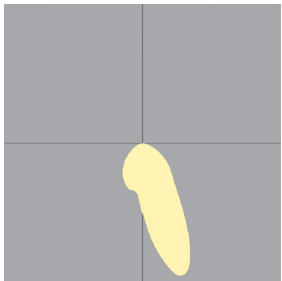
LUMEN/FT	WATT/FT	LPW
1000	9	109
800	7	112
600	5	116
400	3	119
200	2	121

**1.5 DIRECT WIDESPREAD (DD5 AND DS5)**



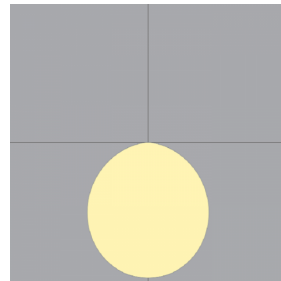
LUMEN/FT	WATT/FT	LPW
1000	9	109
800	7	110
600	5	114
400	3	118
200	2	120

**1.5 DIRECT ASYMMETRIC (DD1 AND DS1)**



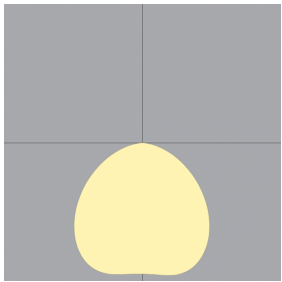
LUMEN/FT	WATT/FT	LPW
1000	9	104
800	7	106
600	5	110
400	3	113
200	2	115

**2.5 DIRECT DIFFUSED (DD3 AND DS3)**



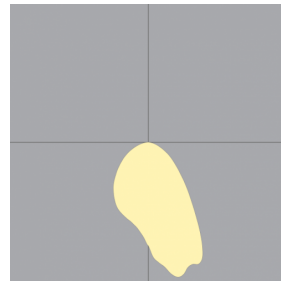
LUMEN/FT	WATT/FT	LPW
1400	13	122
1200	11	126
1000	9	131
800	7	132
600	5	136
400	3	141
200	2	143

**2.5 DIRECT WIDESPREAD (DD5 AND DS5)**



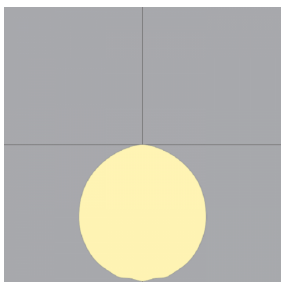
LUMEN/FT	WATT/FT	LPW
1400	13	122
1200	11	126
1000	9	129
800	7	133
600	5	137
400	3	141
200	2	143

**2.5 DIRECT ASYMMETRIC (DD1 AND DS1)**



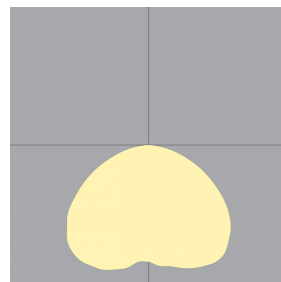
LUMEN/FT	WATT/FT	LPW
1400	13	112
1200	11	115
1000	9	118
800	7	121
600	5	125
400	3	129
200	2	131

**3.5 DIRECT DIFFUSED (DD3 AND DS3)**



LUMEN/FT	WATT/FT	LPW
1400	13	130
1200	11	134
1000	9	137
800	7	141
600	5	145
400	3	149
200	2	151

**3.5 DIRECT WIDESPREAD (DD5 AND DS5)**



LUMEN/FT	WATT/FT	LPW
1400	13	124
1200	11	128
1000	9	131
800	7	134
600	5	138
400	3	143
200	2	145

**3.5 DIRECT ASYMMETRIC  
(DD1 AND DS1)**

	LUMEN/FT	WATT/FT	LPW
	1400	13	119
	1200	11	123
	1000	9	126
	800	7	129
	600	5	133
	400	3	137
	200	2	139

**INDIRECT BATWING (UD1)**

	LUMEN/FT	WATT/FT	LPW
	1650	13	132
	1400	10	137
	1200	9	140
	1000	7	144
	800	6	146
	600	4	150
	400	3	153
200	1	153	

**INDIRECT ASYMMETRIC  
(UD3)**

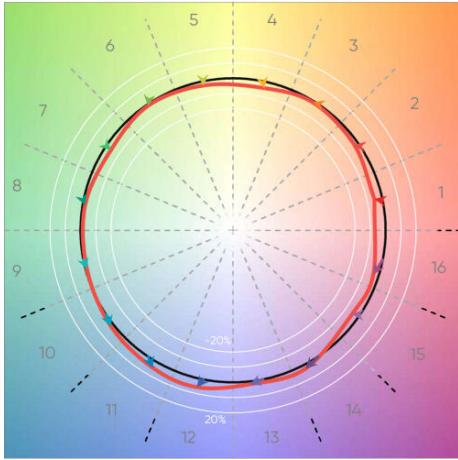
	LUMEN/FT	WATT/FT	LPW
	1200	13	97
	1000	10	100
	800	9	102
	600	6	107
	400	4	109
	200	2	112

**INDIRECT OPAL DIFFUSER  
(UD2)**

	LUMEN/FT	WATT/FT	LPW
	1650	13	128
	1400	11	132
	1200	9	135
	1000	7	139
	800	6	141
	600	4	144
	400	3	147
200	1	150	

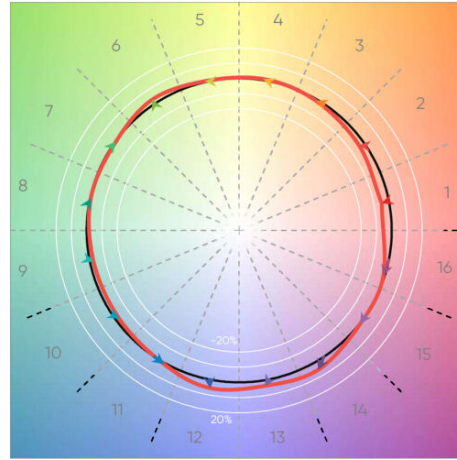
8 TM-30 DATA

**CCT 2700K**



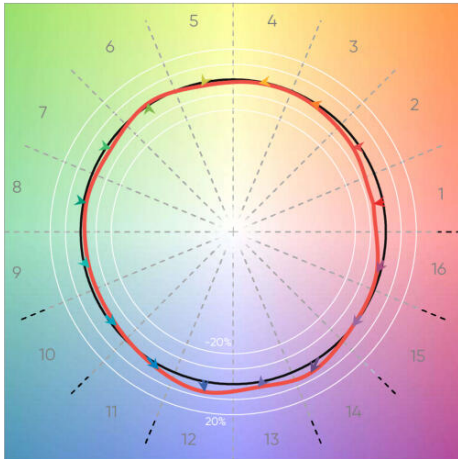
<b>CRI (Ra)</b>	93
<b>CRI (R9)</b>	61
<b>TM30 Rf</b>	91
<b>TM30 Rg</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



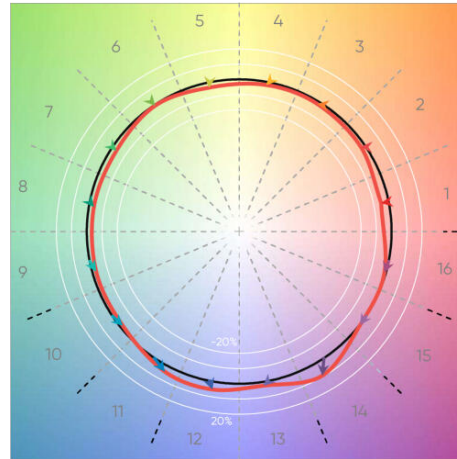
<b>CRI (Ra)</b>	92
<b>CRI (R9)</b>	58
<b>TM30 Rf</b>	92
<b>TM30 Rg</b>	100
<b>Duv</b>	-0.0003

**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

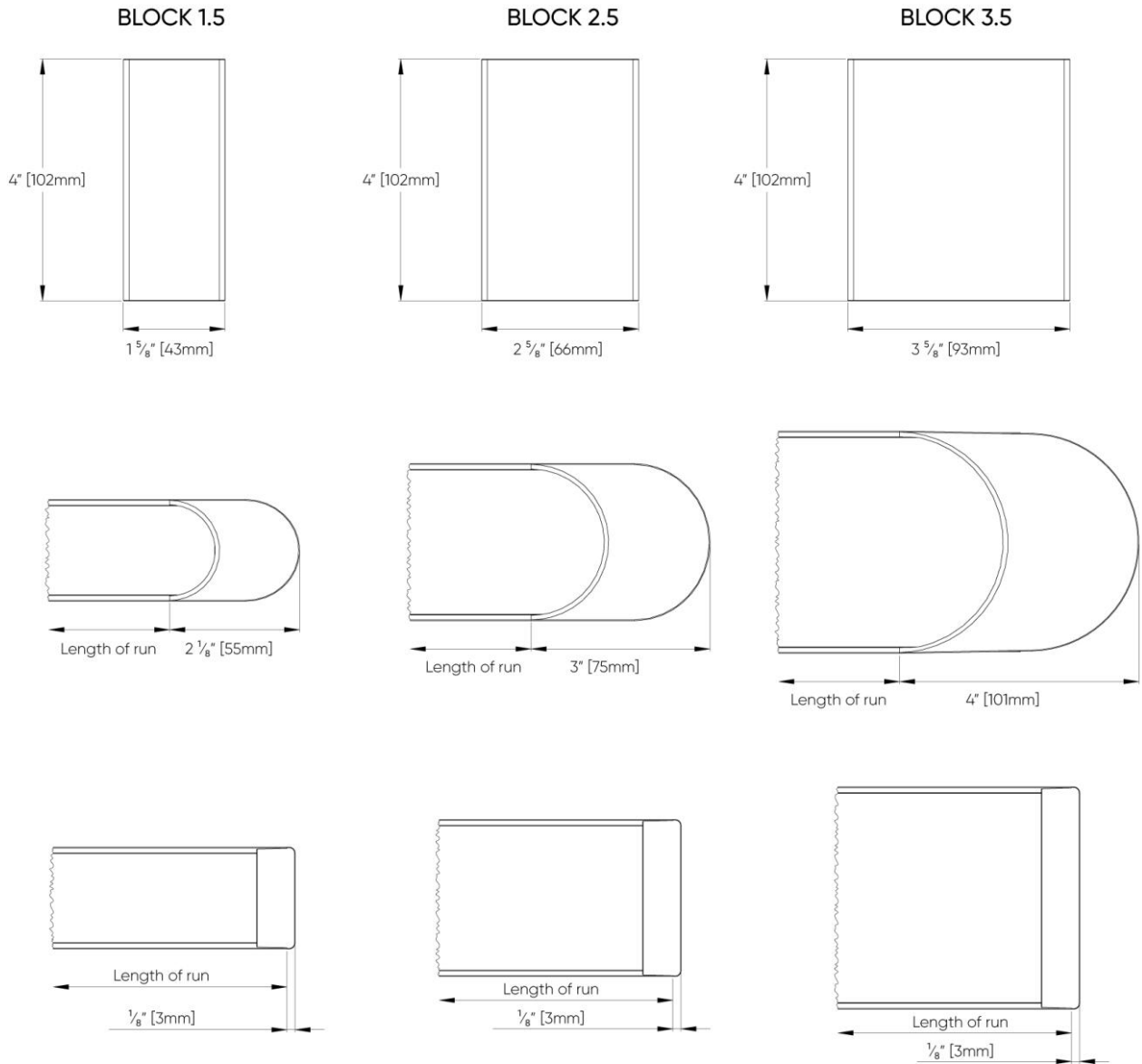
**CCT 4000K**



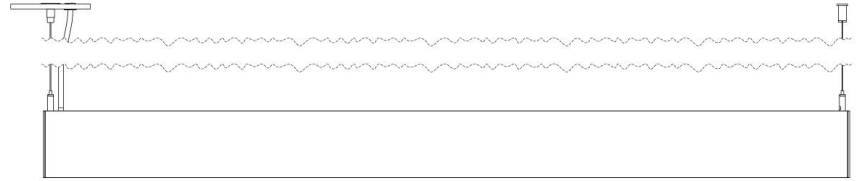
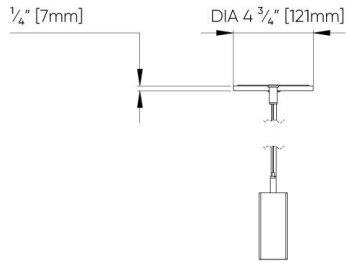
<b>CRI (Ra)</b>	93
<b>CRI (R9)</b>	64
<b>TM30 Rf</b>	90
<b>TM30 Rg</b>	98
<b>Duv</b>	0.0000

9 DIMENSIONAL DIAGRAMS

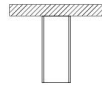
Block 1.5/2.5/3.5" - Dimensional Diagrams



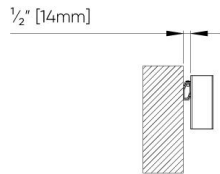
**PENDANT**



**SURFACE**

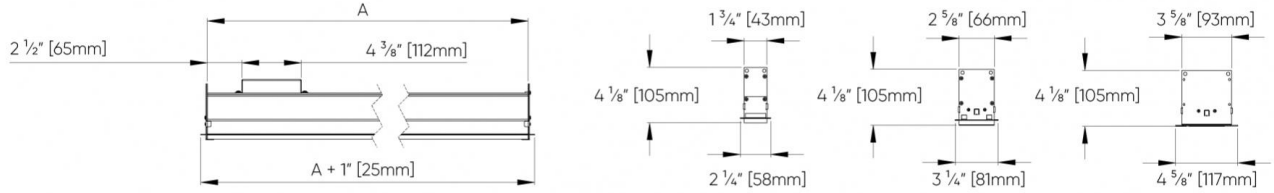


**WALL**

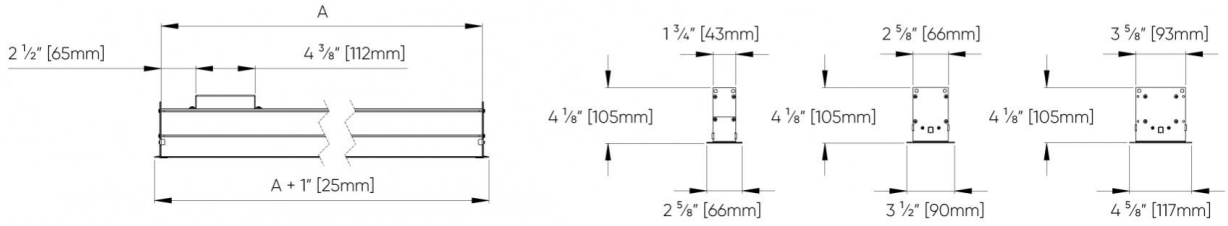


## RECESSED - Grid Ceiling

### Tegular ceiling



### T-bar ceiling

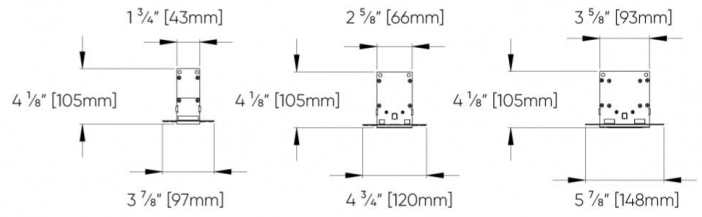
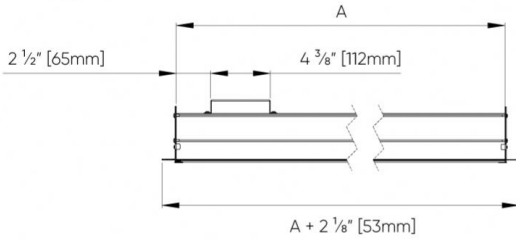


GRID CEILING	
Max Length (Per Section)	A
4ft	46 3/4" [1186mm]
6ft	70 3/4" [1796mm]
8ft	94 3/4" [2405mm]
10ft	118 3/4" [3015mm]
12ft	142 3/4" [3625mm]

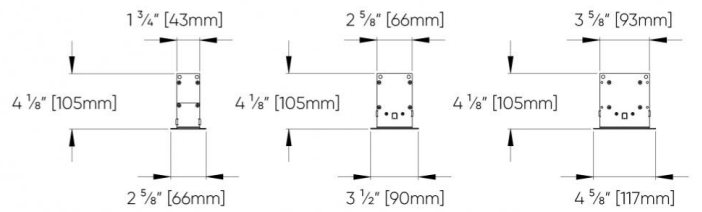
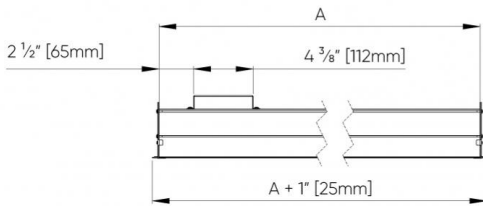


## RECESSED - Hard Ceiling

### Trimless



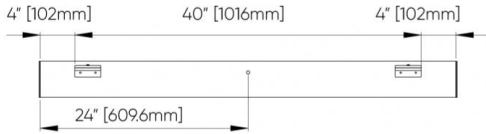
### Trim



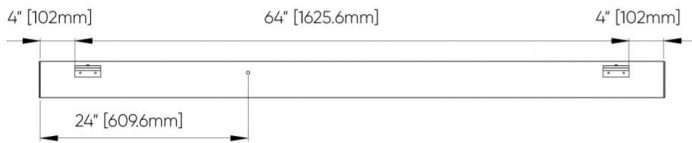
HARD CEILING	
Max Length (Per Section)	A
4ft	48" [1219mm]
6ft	72" [1829mm]
8ft	96" [2438mm]
10ft	120" [3048mm]
12ft	144" [3658mm]

## WALL MOUNT CONFIGURATIONS

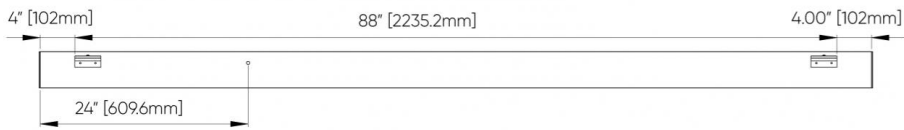
### 4FT



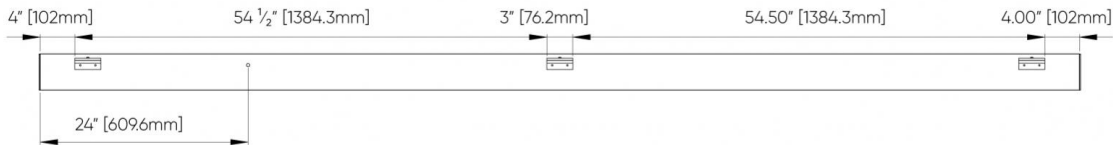
### 6FT



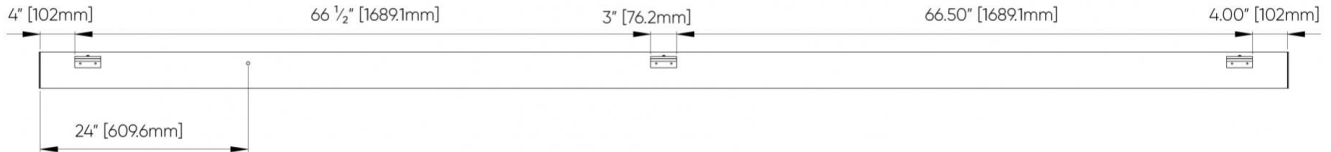
### 8FT



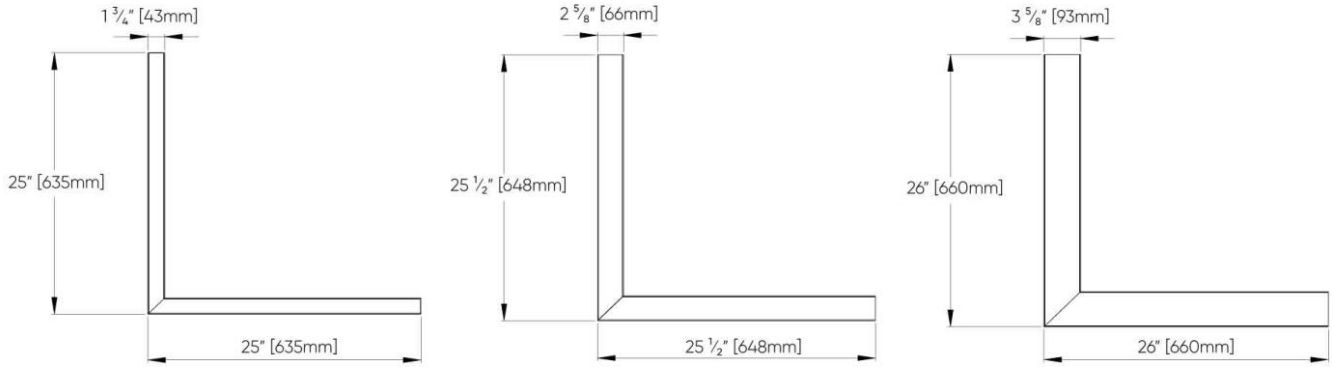
### 10FT



### 12FT



## Block 1.5/2.5/3.5" Systems - Dimensional Diagrams



## Run Type

