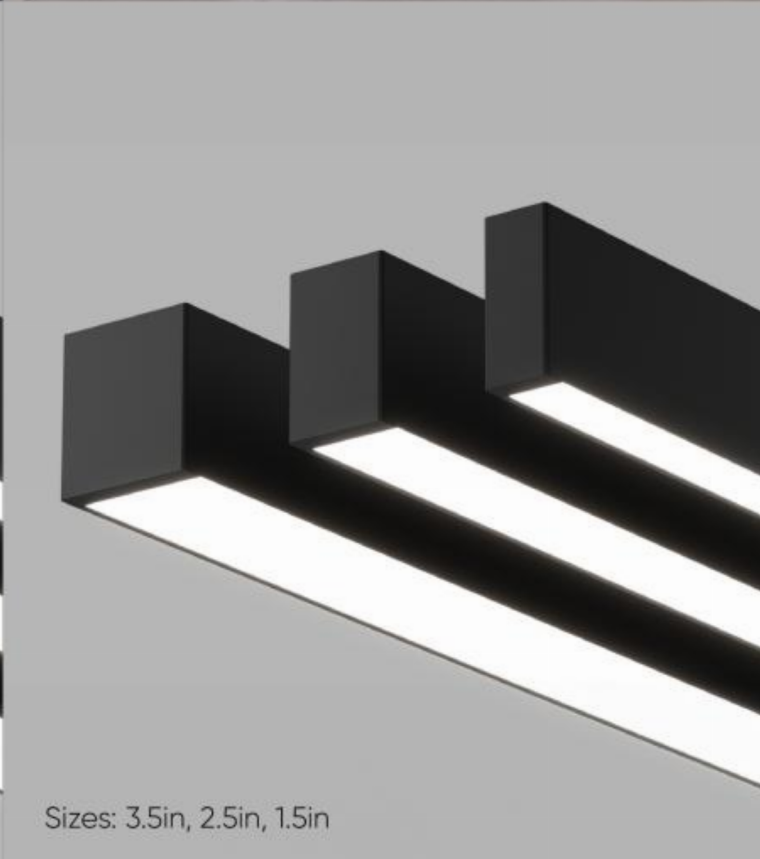


Project Name:

Fixture Type:

Fixture Code:

Quantities:



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.

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.

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.

Finish

Powder coated.

Power cable

Silver braided.

PoE

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

Tunable White

Tunable White available, consult factory.

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.

MOUNTING & OPTICS



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 ¹

TR03 U shape ¹

TR04 Quad ¹

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

* 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 4ft and orders are to be in 2ft increments.

If Direct/Indirect is required, 4ft is unavailable with L-shape and U-shape, and 6ft is unavailable with Quad.

Examples:

4ft = SFA0400

10ft = SFA1000

50ft = SFA5000

F. LENGTH - B

SFB _ _ _ _

The minimum length to order is 4ft and orders are to be in 2ft increments.

If Direct/Indirect is required, 4ft is unavailable with L-shape, and 6ft is unavailable with U-Shape and Quad.

Examples:

4ft = SFB0400

10ft = SFB1000

50ft = SFB5000

G. LENGTH - C

SFC _ _ _ _

The minimum length to order is 4ft and orders are to be in 2ft increments.

If Direct/Indirect is required, the minimum length to order is 6ft.

Examples:

4ft = SFC0400

10ft = SFC1000

50ft = SFC5000

H. MAX LENGTH PER SECTION

SL04 4ft	SL06 6ft	SL08 8ft	SL10 10ft
SL12 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.

I. END CAP PROFILE

EP00 Not required	EP01 Flat	EP02 Curved
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J. LM/FT (DIRECT)

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

K. LM/FT (INDIRECT)

LPG000 Not required	LPG020 200 lm/ft	LPG040 400 lm/ft	LPG060 600 lm/ft
LPG080 800 lm/ft	LPG100 1000 lm/ft	LPG120 1200 lm/ft	LPG140 1400 lm/ft ¹
LPG165 1650 lm/ft ¹			

¹ Available with UD1 (clear diffuser) only.

L. CRI

CR80 CRI 80+	CR90 CRI 90+
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M. CCT DIRECT

CTA00 Not required	CTA27 2700K ¹	CTA30 3000K	CTA35 3500K
CTA40 4000K			

¹ Longer lead times may apply, consult factory.

* Tunable White and RGBW available, consult factory.

N. CCT INDIRECT

CTB00 Not required	CTB27 2700K ¹	CTB30 3000K	CTB35 3500K
CTB40 4000K			

¹ Longer lead times may apply, consult factory.

* Tunable White and RGBW available, consult factory.

O. DIRECT DIFFUSER

DD0 Not required	DD1 Asymmetric ¹	DD3 Diffused	DD5 Widespread
DS1 Asymmetric - Seamless ^{1 2}	DS3 Diffused - Seamless ²	DS5 Widespread - Seamless ²	

¹ 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.

² The roll-out lens is applicable to the DD3 option only with a max length of 100ft.

Fixed Length available upon request.

P. INDIRECT DIFFUSER

UD0 Not required	UD1 Batwing	UD2 Diffused	UD3 Asymmetric ¹
-------------------------	--------------------	---------------------	------------------------------------

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

Q. UPLIGHT BLACKOUT PLATE

UB00 Not required **UB_ _** Blackout plate ¹

¹ Available on a per foot basis. May be required to prevent lighting up of duct work in loft type applications.

R. VOLTAGE

V1 120/277V **V2** 240V ¹ **V3** 347V ² **V4** Low Voltage ³

¹ Not available in North America.

² Only available with DA01 dimming.

³ Only available with DA45 dimming.

S. DIMMING

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

¹ Not available with V3.

² Not available in North America.

³ Only available with V4.

T. CEILING TYPE

G0 Not required **G1** Grid ceiling ¹ **H1** Hard ceiling ²

The cost for the canopies, power cables, connections mechanisms and endcaps for the fixture has been added to these items.

¹ Combo kit provided includes installation to T-bar and through tile mount.

² Designed for drywall ceilings.

U. CEILING TRIM

RTO Not required **RT1** Tegular ceiling ^{1 2} **RT2** Lay-In T-Bar ¹ **RT3** Trimless ^{1 4}
RT4 Trim ^{1 4}

¹ For Recessed luminaires only.

² 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.

³ 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.

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

V. SUSPENSION

HLA00 Not required **HLA03** 3ft cable suspension **HLA06** 6ft cable suspension **HLA09** 9ft cable suspension

* Note: Special order available on lengths over 13ft and may be subject to longer lead times, consult factory.

W. FIXTURE FINISH

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

¹ Longer than normal lead times may apply, consult factory.

X. CANOPY FINISH

CF00 Not required

CF25 Gold Metallic - Textured

CF47 Bronze Metallic - Textured

CF01 White

CF44 Midnight Blue Metallic - Textured

CF52 Champagne Metallic

CF02 Black Metallic - Textured

CF45 Copper Metallic

CF53 Red Metallic - Textured

CF20 Silver Metallic - Textured

CF46 Charcoal Metallic - Textured

Y. QUANTITY OF EMERGENCY SECTIONS

E0 Not required

E1 Emergency system - Integral ¹

E3 Emergency generated circuit - Remote ¹

¹ Specify quantity of emergency sections or emergency generator circuits required based off total length of run. ¹ 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.

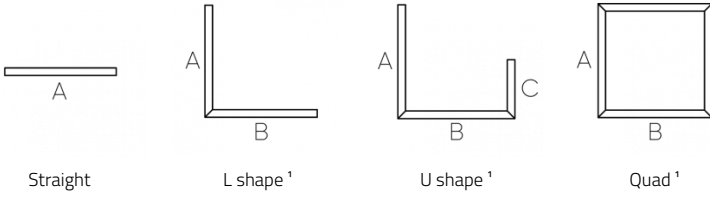
Z. CIRCUITS

CS1 Single circuit

CS2 Dual circuit ¹

[. SENSORS

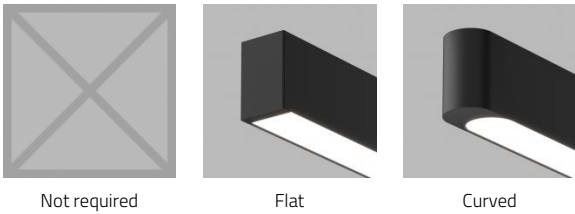
RUN TYPE



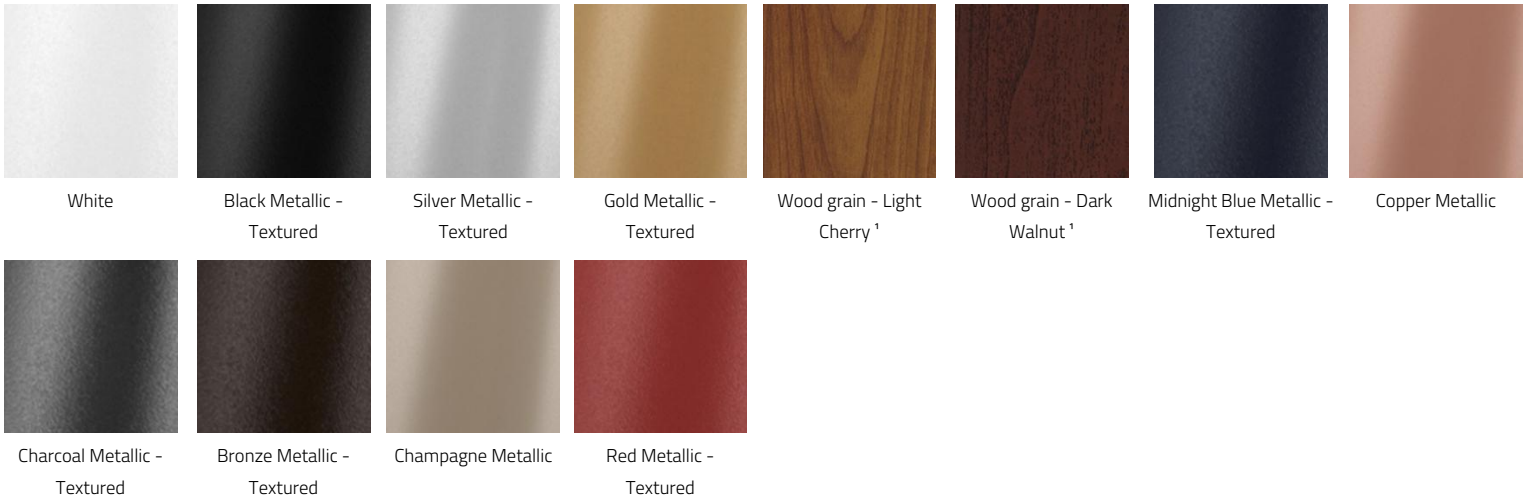
¹ Consult factory if L shape, U shape, or Quad is required with Wall mount.

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

END CAP PROFILE



FIXTURE FINISH



¹ Longer than normal lead times may apply, consult factory.

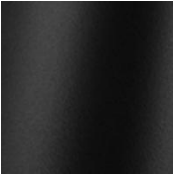
CANOPY FINISH



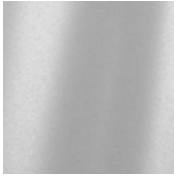
Not required



White



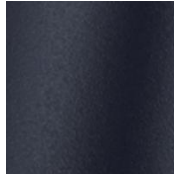
Black Metallic -
Textured



Silver Metallic -
Textured



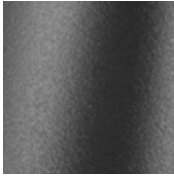
Gold Metallic -
Textured



Midnight Blue Metallic -
Textured



Copper Metallic



Charcoal Metallic -
Textured



Bronze Metallic -
Textured



Champagne Metallic



Red Metallic -
Textured

APPROVALS



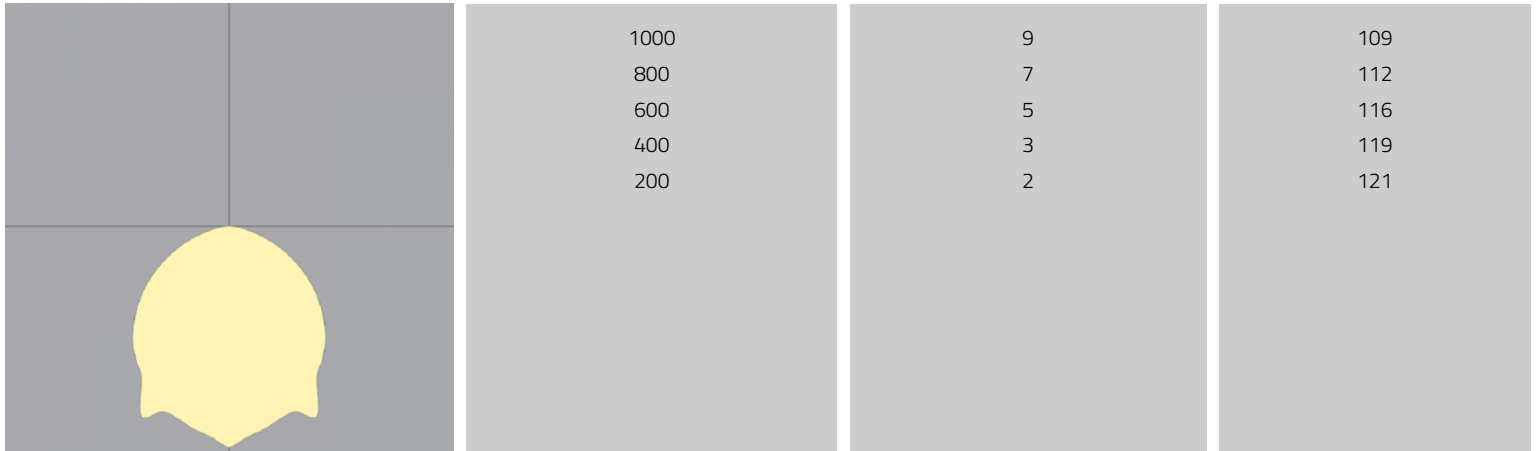
DAMP
LOCATION



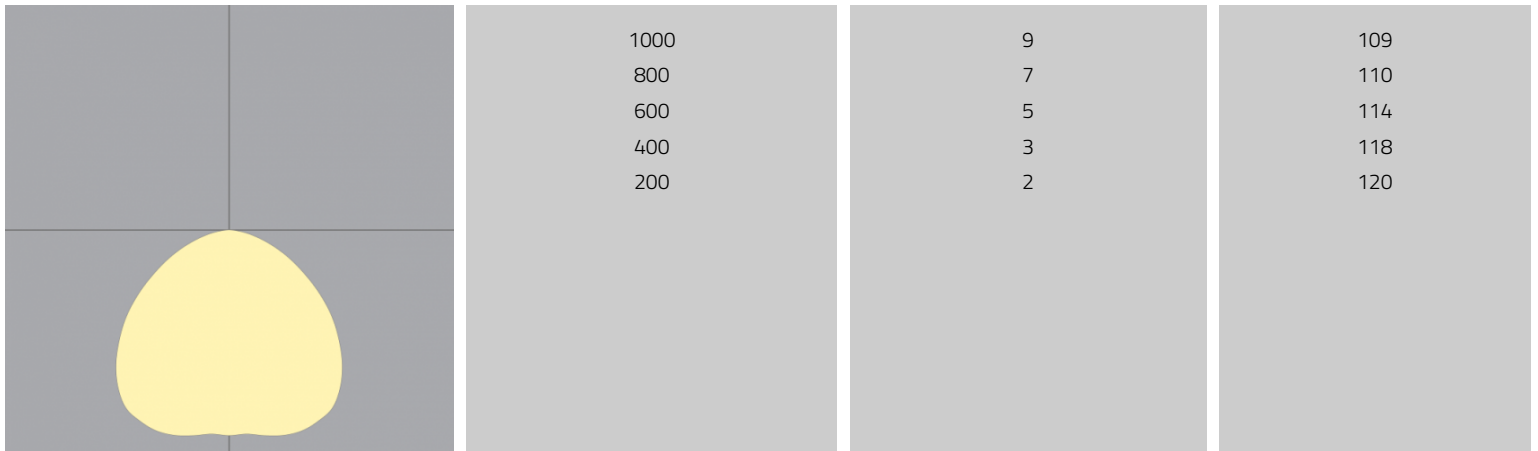
IP20

PERFORMANCE DATA

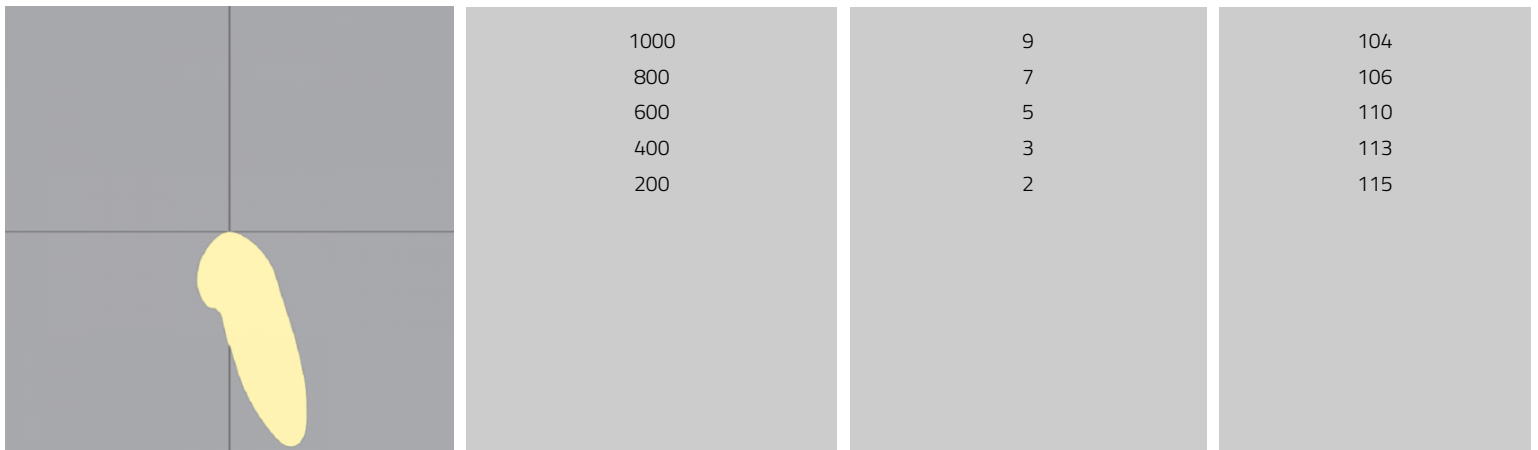
1.5 DIRECT DIFFUSED (DD3)



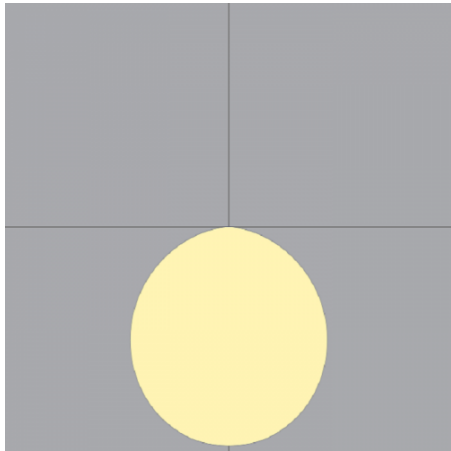
1.5 DIRECT WIDESPREAD (DD5)



1.5 DIRECT ASYMMETRIC (DD1)



2.5 DIRECT DIFFUSED (DD3)



LUMEN/FT

1400
1200
1000
800
600
400
200

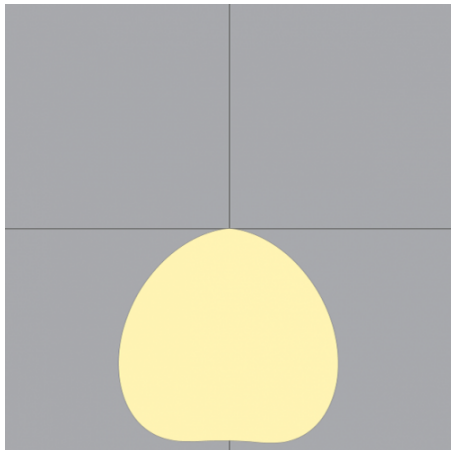
WATT/FT

13
11
9
7
5
3
2

LPW

122
126
131
132
136
141
143

2.5 DIRECT WIDESPREAD (DD5)



LUMEN/FT

1400
1200
1000
800
600
400
200

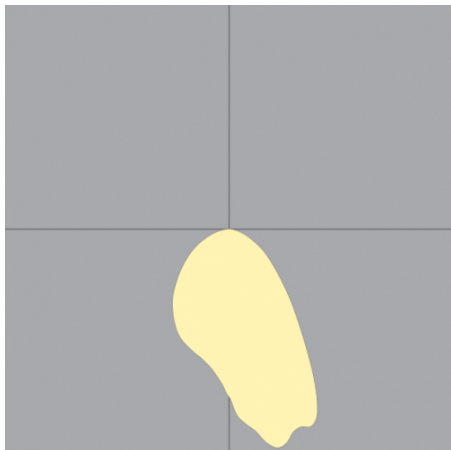
WATT/FT

13
11
9
7
5
3
2

LPW

122
126
129
133
137
141
143

2.5 DIRECT ASYMMETRIC (DD1)



LUMEN/FT

1400
1200
1000
800
600
400
200

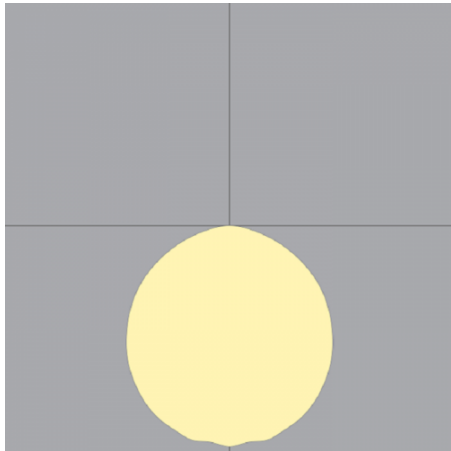
WATT/FT

13
11
9
7
5
3
2

LPW

112
115
118
121
125
129
131

3.5 DIRECT DIFFUSED (DD3)



LUMEN/FT

1400
1200
1000
800
600
400
200

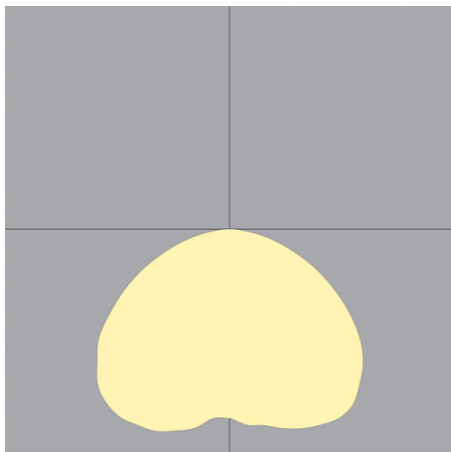
WATT/FT

13
11
9
7
5
3
2

LPW

130
134
137
141
145
149
151

3.5 DIRECT WIDESPREAD (DD5)



LUMEN/FT

1400
1200
1000
800
600
400
200

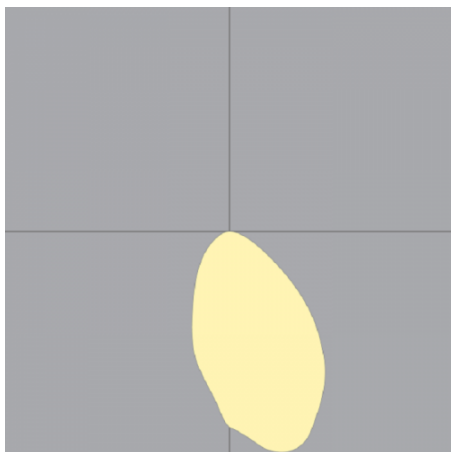
WATT/FT

13
11
9
7
5
3
2

LPW

124
128
131
134
138
143
145

3.5 DIRECT ASYMMETRIC (DD1)



LUMEN/FT

1400
1200
1000
800
600
400
200

WATT/FT

13
11
9
7
5
3
2

LPW

119
123
126
129
133
137
139

INDIRECT BATWING (UD1)



INDIRECT ASYMMETRIC (UD3)

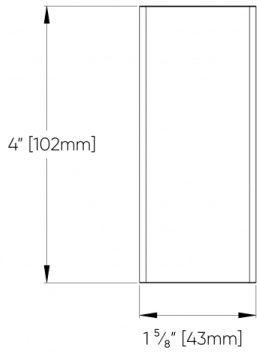


INDIRECT OPAL DIFFUSER (UD2)

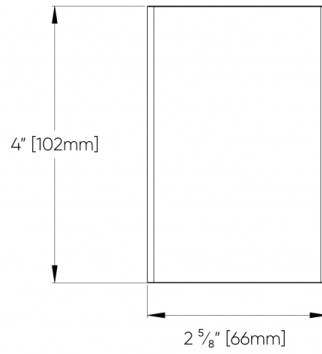


Block 1.5/2.5/3.5" - Dimensional Diagrams

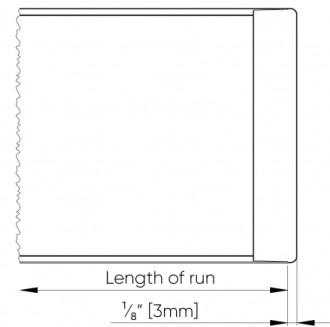
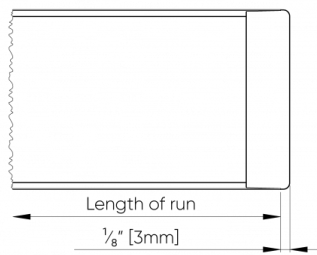
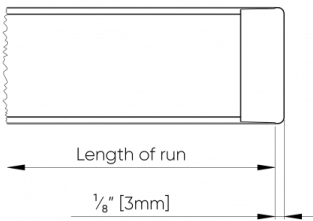
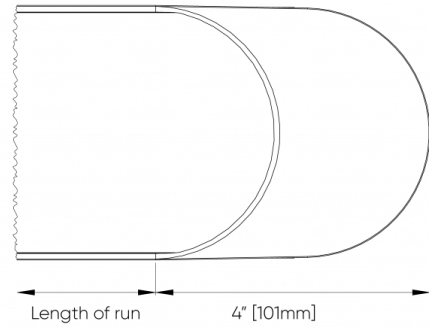
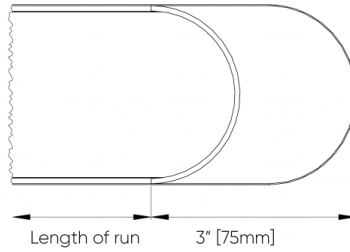
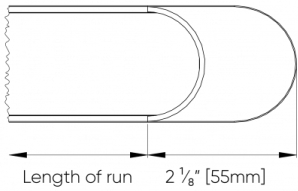
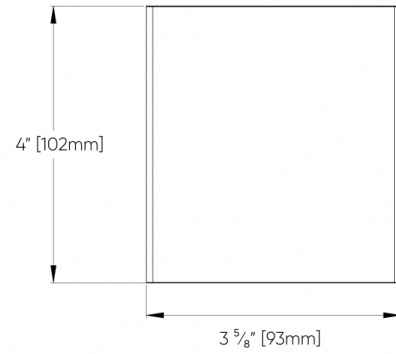
BLOCK 1.5



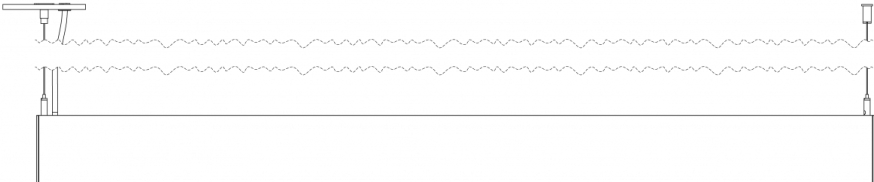
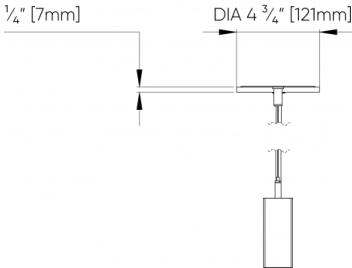
BLOCK 2.5



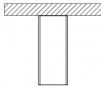
BLOCK 3.5



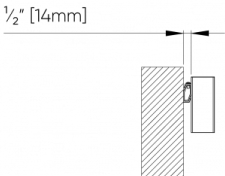
PENDANT



SURFACE

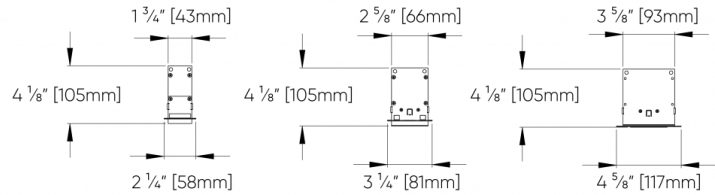
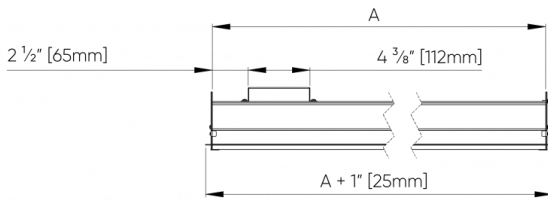


WALL

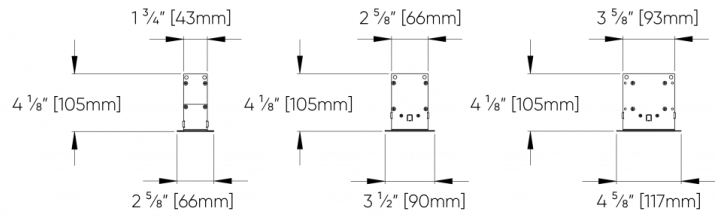
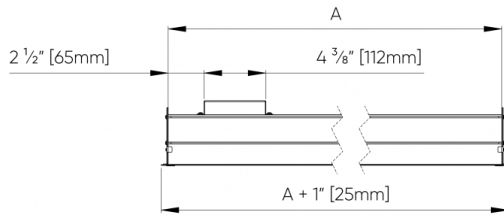


RECESSED - Grid Ceiling

Tegular ceiling



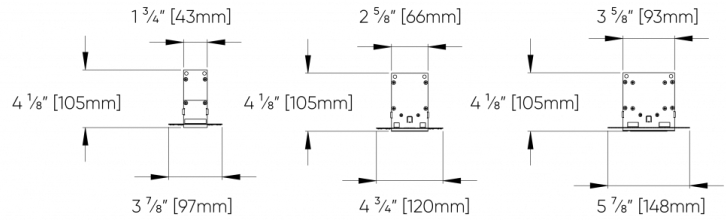
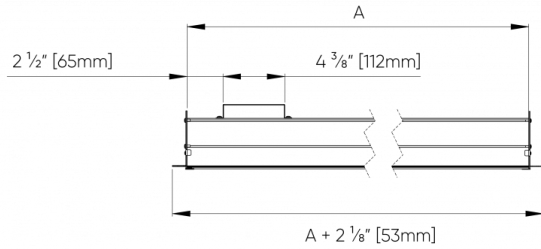
T-bar ceiling



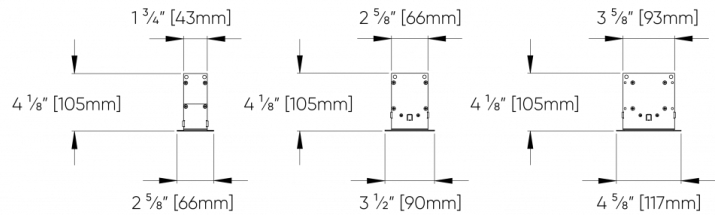
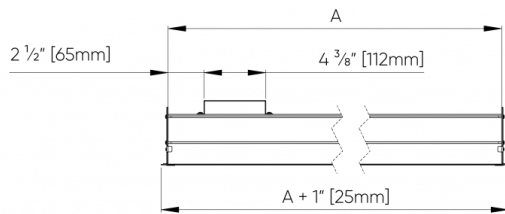
GRID CEILING	
Max Length (Per Section)	A
4ft	46 3/4" [1186mm]
6ft	70 3/4" [1796mm]
8ft	94 3/4" [2405mm]
10ft	118 3/4" [3015mm]
12ft	142 3/4" [3625mm]

RECESSED - Hard Ceiling

Trimless



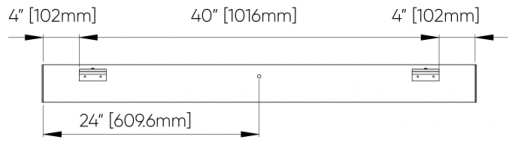
Trim



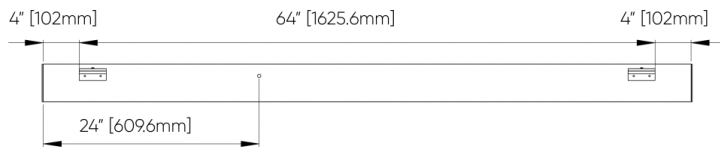
HARD CEILING	
Max Length (Per Section)	A
4ft	48" [1219mm]
6ft	72" [1829mm]
8ft	96" [2438mm]
10ft	120" [3048mm]
12ft	144" [3658mm]

WALL MOUNT CONFIGURATIONS

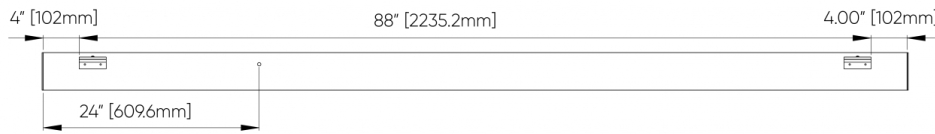
4FT



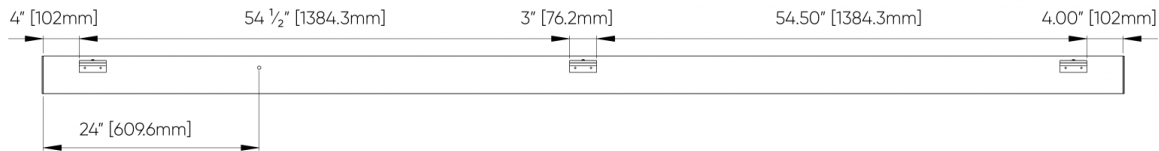
6FT



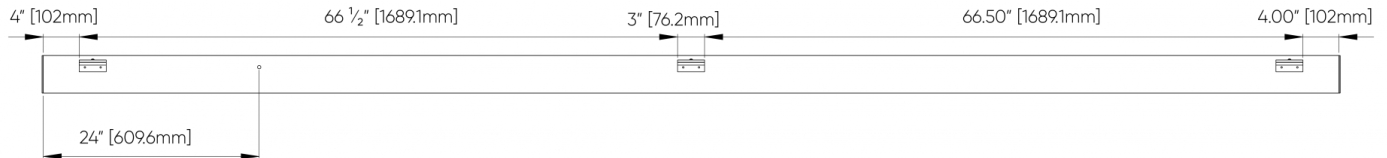
8FT



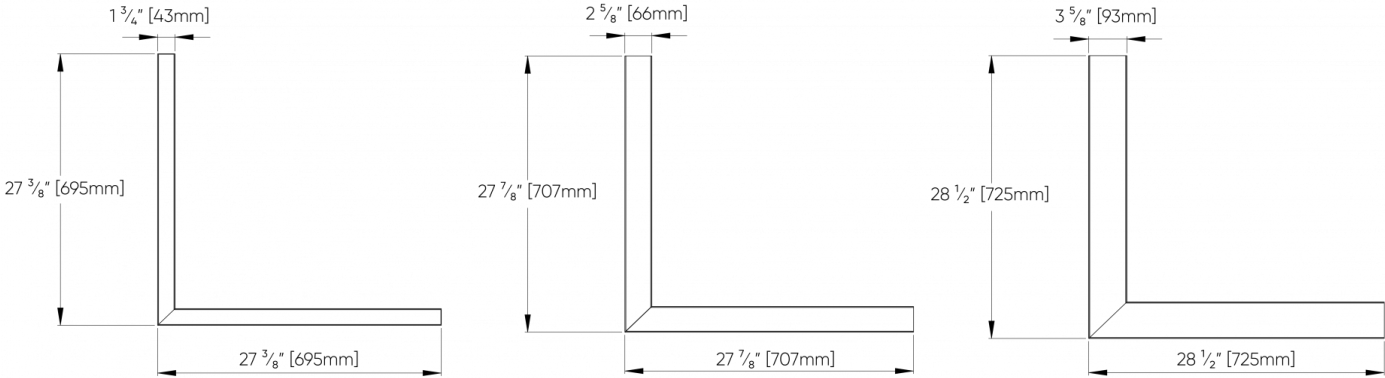
10FT



12FT



Block 1.5/2.5/3.5" Systems - Dimensional Diagrams



Run Type

