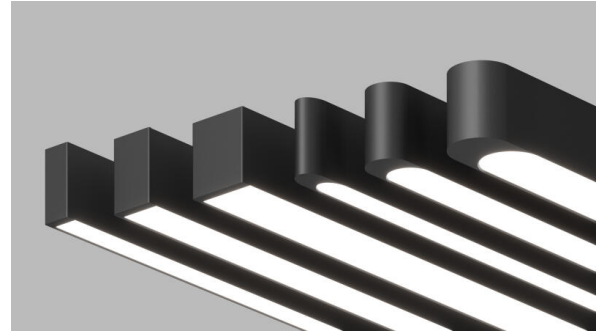




BLOCK™

FULL SPECIFICATION SHEET



Fixture Type

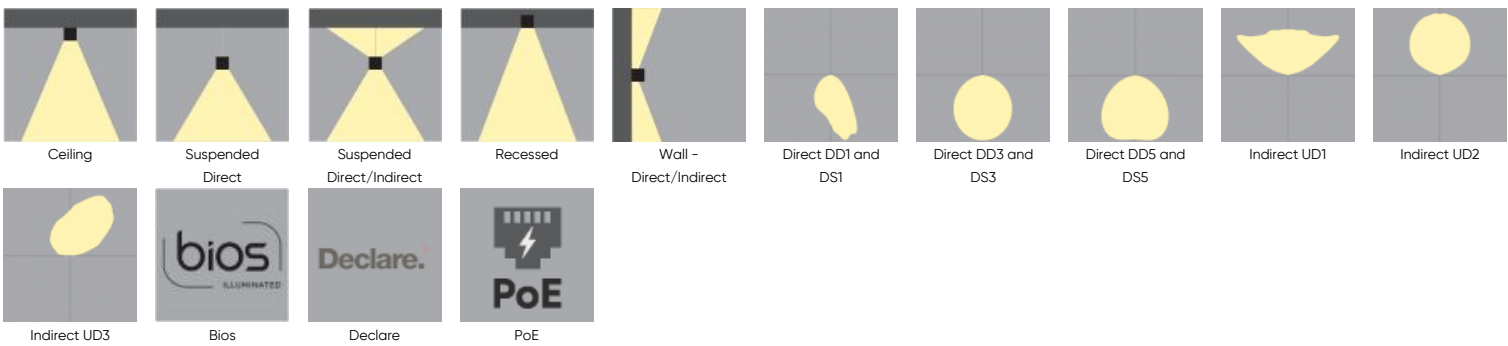
Fixture Code

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

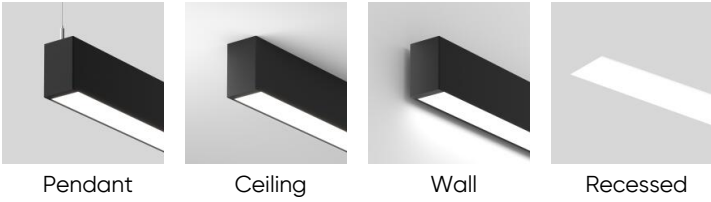
Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

APPROVALS

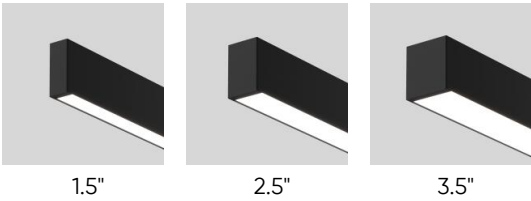
Damp Rated.

5 DESIGN OPTIONS

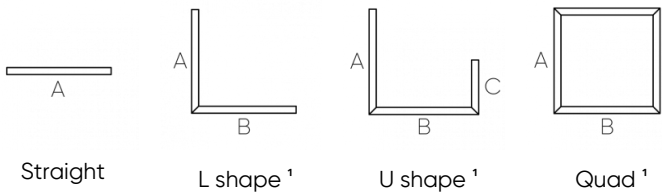
LUMINAIRE



APERTURE



RUN TYPE

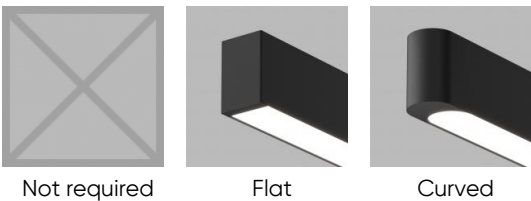


¹ Consult factory if L shape, U shape, or Quad is required with Wall mount.

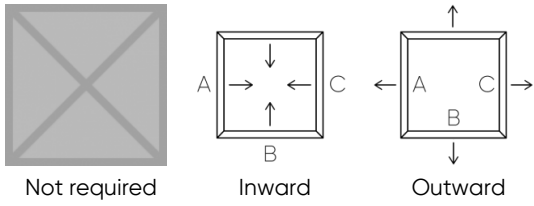
X and T junctions available, consult factory.

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

END CAP PROFILE

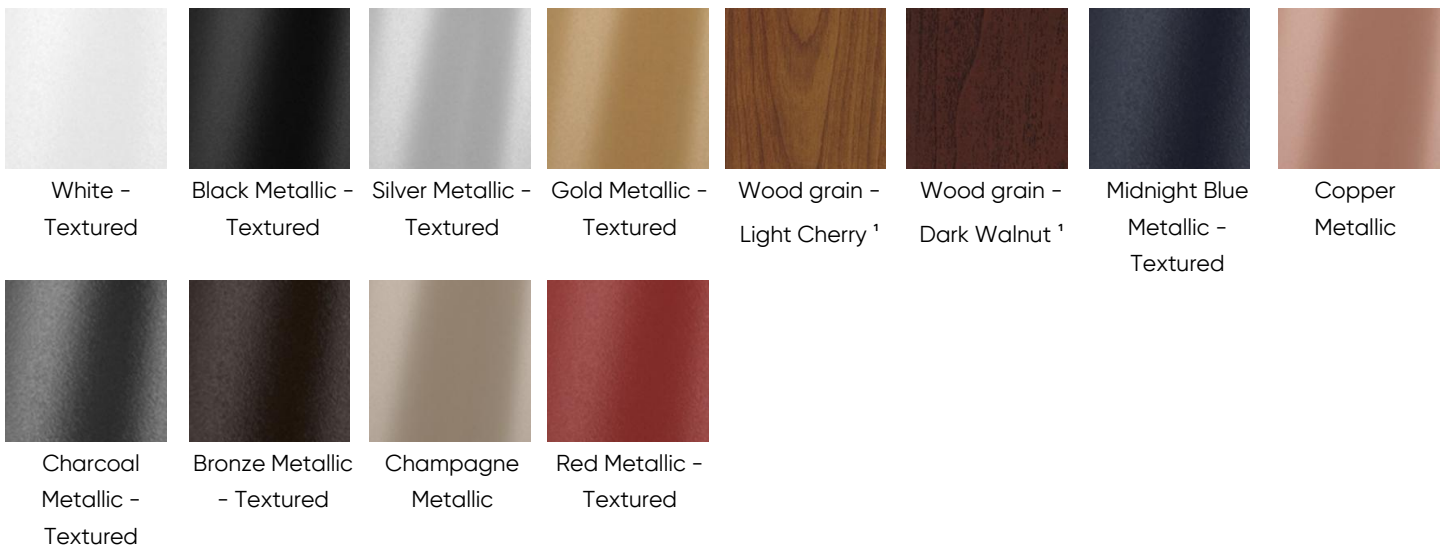


ASYMMETRIC DIRECTION



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

FIXTURE FINISH



¹ 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 ¹ **TR03** U shape ¹ **TR04** Quad ¹

¹ 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 ¹

SL04 4ft

SL06 6ft

SL08 8ft

SL10 10ft

SL12 12ft

¹ 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)

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

¹ Not available with 1.5" aperture.

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	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	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	DS3 Diffused - Seamless	DS5 Widespread - Seamless	

¹ 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

UD0 Not required	UD1 Batwing	UD2 Diffused	UD3 Asymmetric ¹
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¹ 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

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

R. UPLIGHT BLACKOUT PLATE

UB00 Not required	UB_ _ Blackout plate ¹
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¹ Available on a per foot basis. May be required to prevent lighting up of duct work in loft type applications.

S. VOLTAGE

V1 120/277V	V2 240V ¹	V3 347V ²	V4 Low Voltage ³
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¹ Not available in North America.

² Only available with DA01 dimming.

³ Only available with DA45 dimming.

T. 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.

U. CEILING TYPE

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

V. CEILING TRIM

RT0 Not required	RT1 Tegular T-bar ^{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.

W. SUSPENSION

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

FA01 White - Textured	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.

Y. CANOPY FINISH

CF00 Not required	CF01 White - Textured	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	

Z. QUANTITY OF EMERGENCY SECTIONS

E0 Not required	E1 Emergency system - Integral ¹	E3 Emergency generated circuit - Remote ¹
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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.

[. CIRCUITS

CS1 Single circuit	CS2 Dual circuit ¹
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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)**

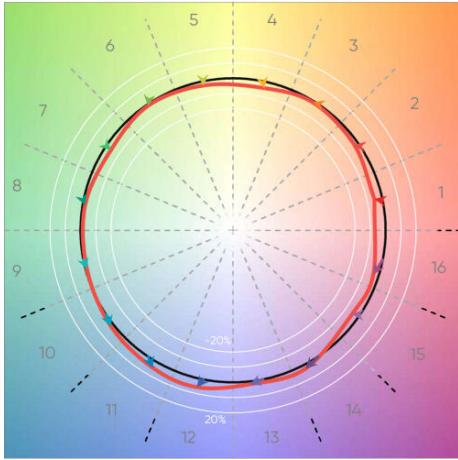
	LUMEN/FT	WATT/FT	LPW
	1200	13	97
	1000	10	100
	800	9	102
	600	6	107
	400	4	109
	200	2	112

**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	

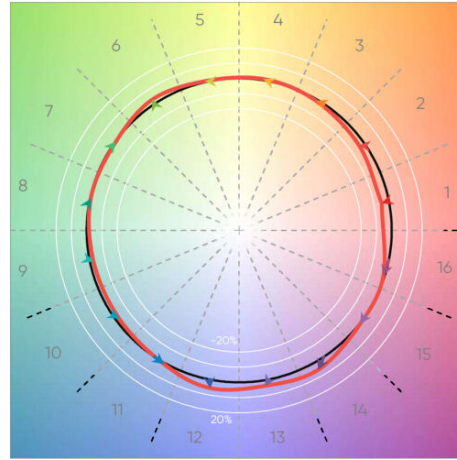
8 TM-30 DATA

CCT 2700K



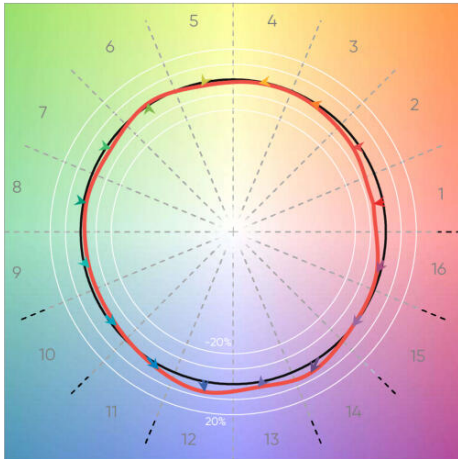
CRI (Ra)	93
CRI (R9)	61
TM30 Rf	91
TM30 Rg	98
Duv	-0.0022

CCT 3000K



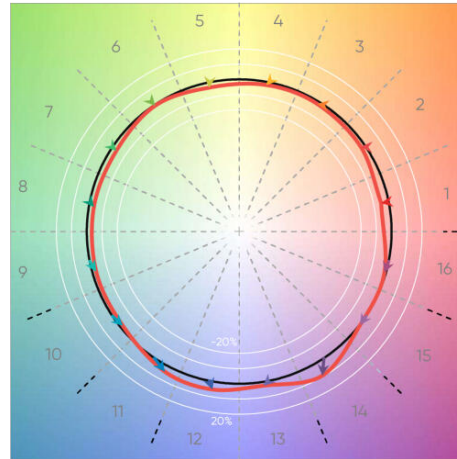
CRI (Ra)	92
CRI (R9)	58
TM30 Rf	92
TM30 Rg	100
Duv	-0.0003

CCT 3500K



CRI (Ra)	91
CRI (R9)	53
TM30 Rf	90
TM30 Rg	99
Duv	-0.0007

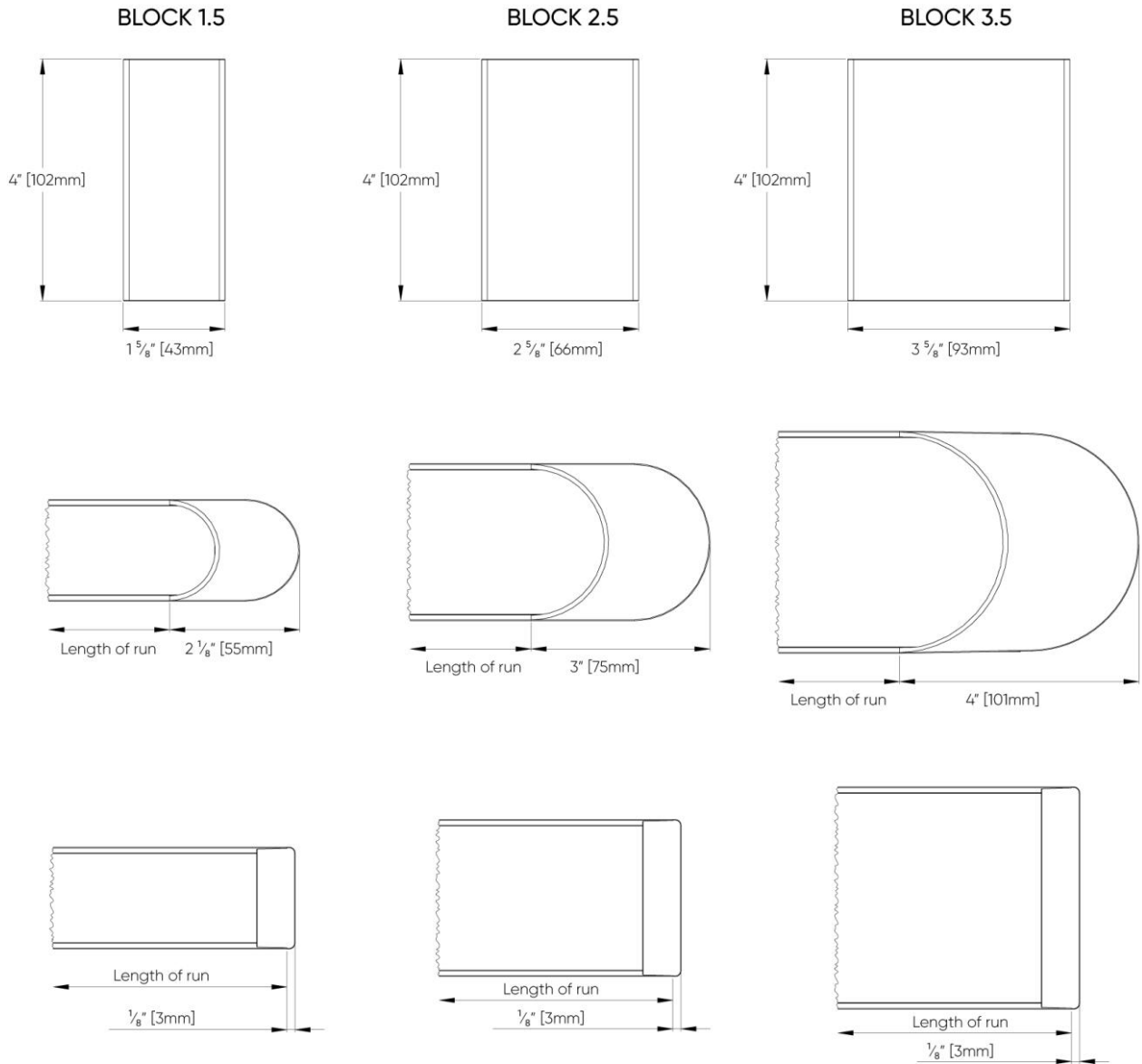
CCT 4000K



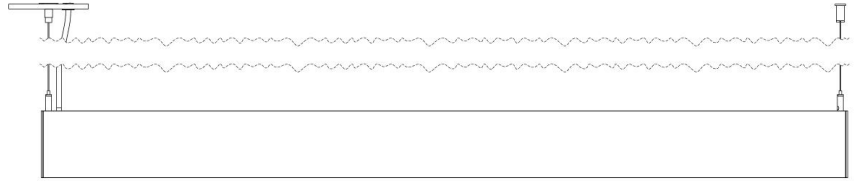
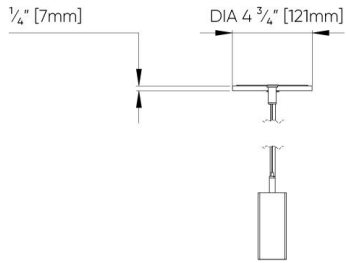
CRI (Ra)	93
CRI (R9)	64
TM30 Rf	90
TM30 Rg	98
Duv	0.0000

9 DIMENSIONAL DIAGRAMS

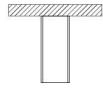
Block 1.5/2.5/3.5" - Dimensional Diagrams



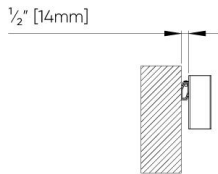
PENDANT



SURFACE

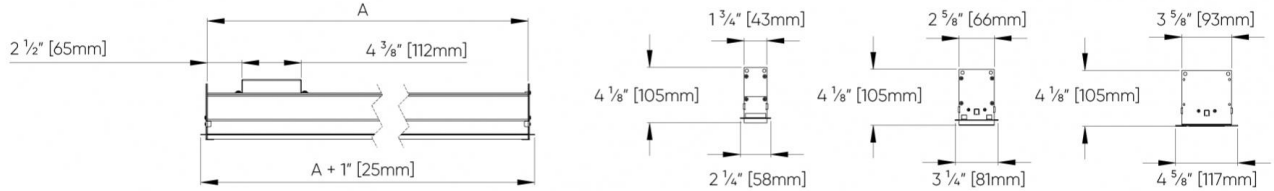


WALL

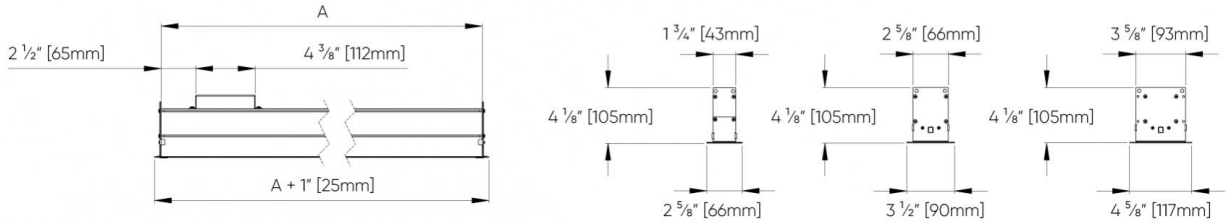


RECESSED - Grid Ceiling

Tegular ceiling



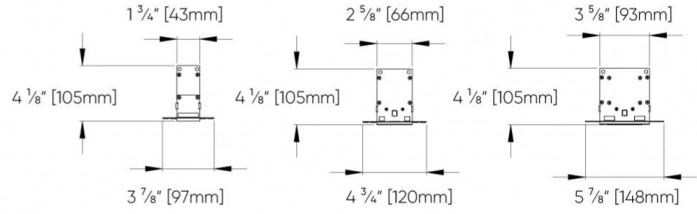
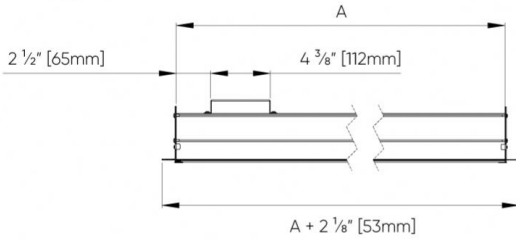
T-bar ceiling



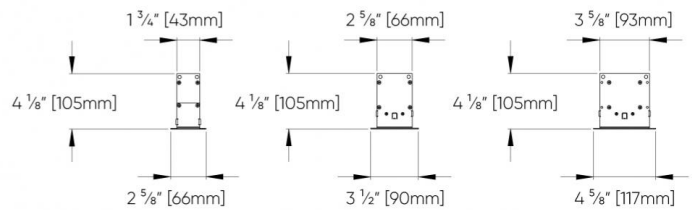
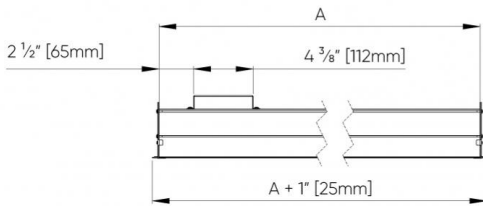
GRID CEILING	
Max Length (Per Section)	A
4ft	46 3/4" [1186mm]
6ft	70 3/4" [1796mm]
8ft	94 3/4" [2405mm]
10ft	118 3/4" [3015mm]
12ft	142 3/4" [3625mm]

RECESSED - Hard Ceiling

Trimless



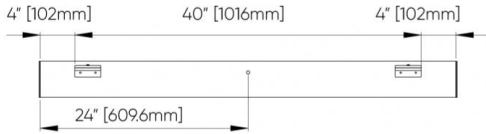
Trim



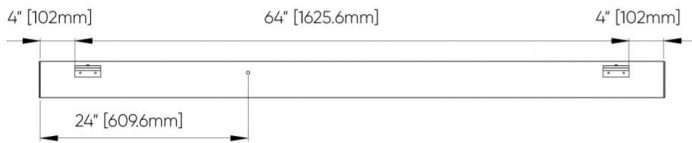
HARD CEILING	
Max Length (Per Section)	A
4ft	48" [1219mm]
6ft	72" [1829mm]
8ft	96" [2438mm]
10ft	120" [3048mm]
12ft	144" [3658mm]

WALL MOUNT CONFIGURATIONS

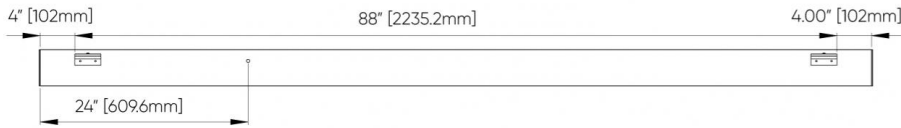
4FT



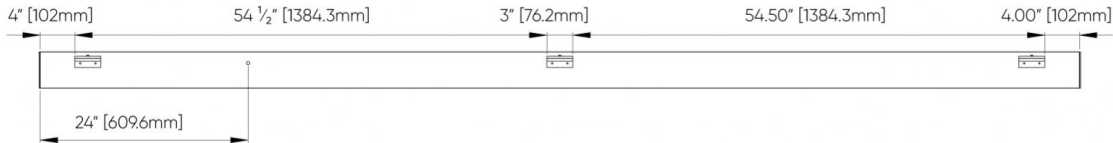
6FT



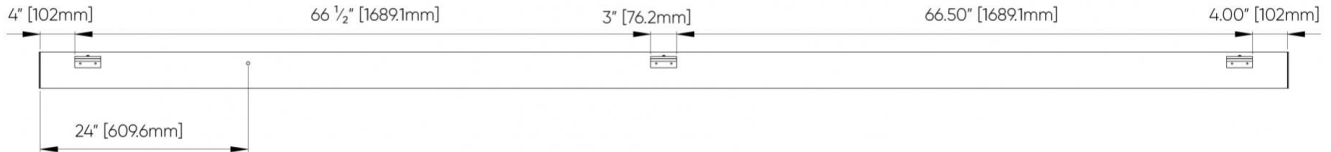
8FT



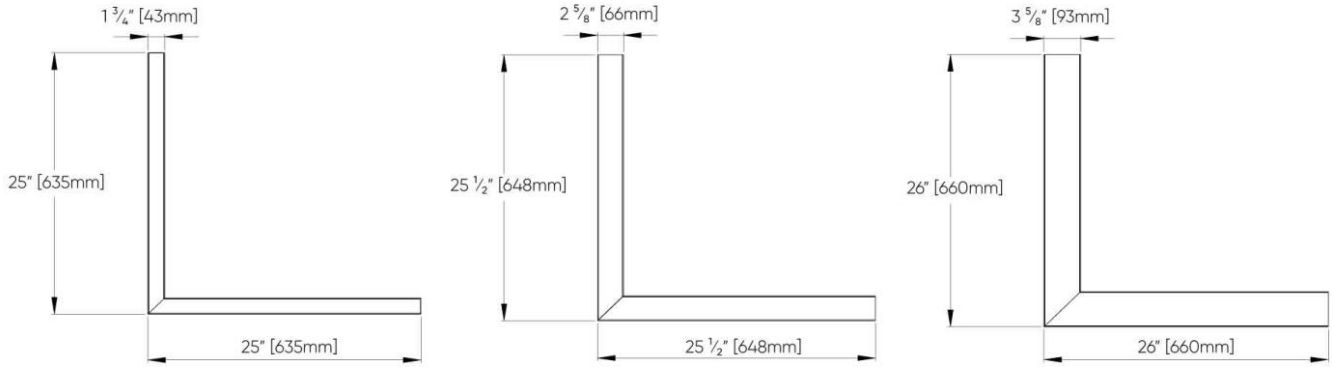
10FT



12FT



Block 1.5/2.5/3.5" Systems - Dimensional Diagrams



Run Type

