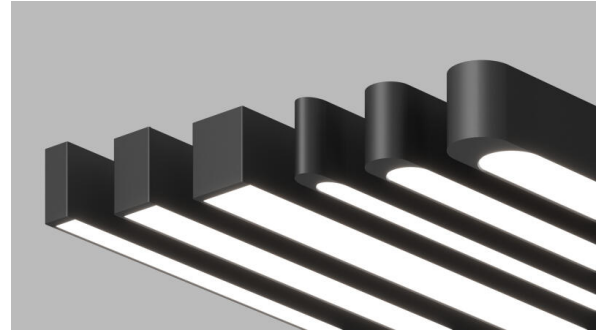




BLOCK™

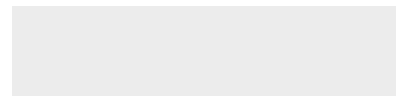
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE






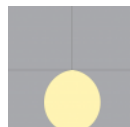









QUANTITIES

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 OPTICS & FEATURES

 Ceiling	 Suspended Direct	 Suspended Direct/Indirect	 Recessed	 Wall - Direct/Indirect	 Direct DD3 and DS3	 Indirect UD1	 Indirect UD2	 Indirect UD3	 Bios
 Declare	 PoE	 Tunable White							

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. Consult factory.

DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

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)

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.

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).

REPORTED L70 @25°C (77°F)

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

LENS

Opal acrylic lens 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.

APPROVALS

Damp Rated.

DESIGN

US Design Patent Pending.

SEISMIC BRACING

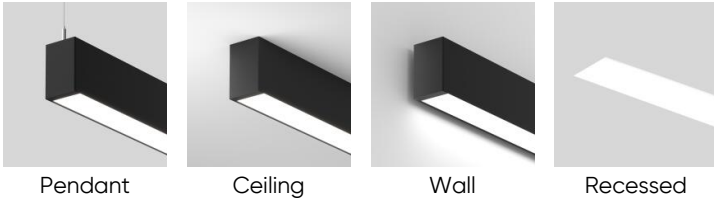
Seismic bracing kits are available to meet compliance requirements. Consult the factory for details.

SUSTAINABILITY

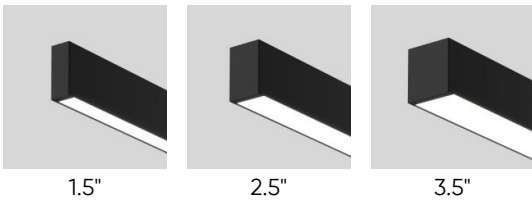
Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

5 DESIGN OPTIONS

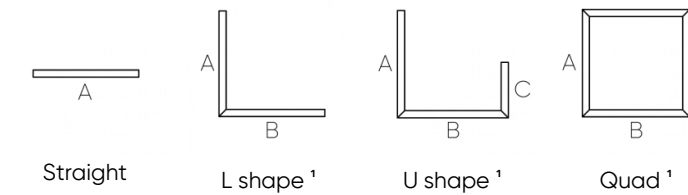
LUMINAIRE



APERTURE



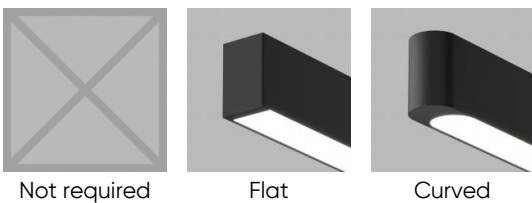
RUN TYPE



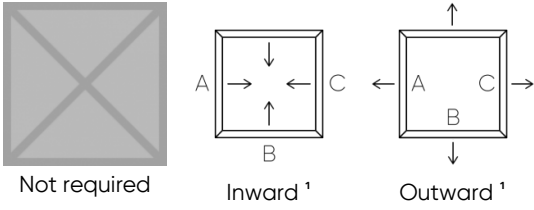
¹ Consult factory if L shape, U shape, or Quad is required with Wall mount. X and T junctions available, consult factory.

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

END CAP PROFILE

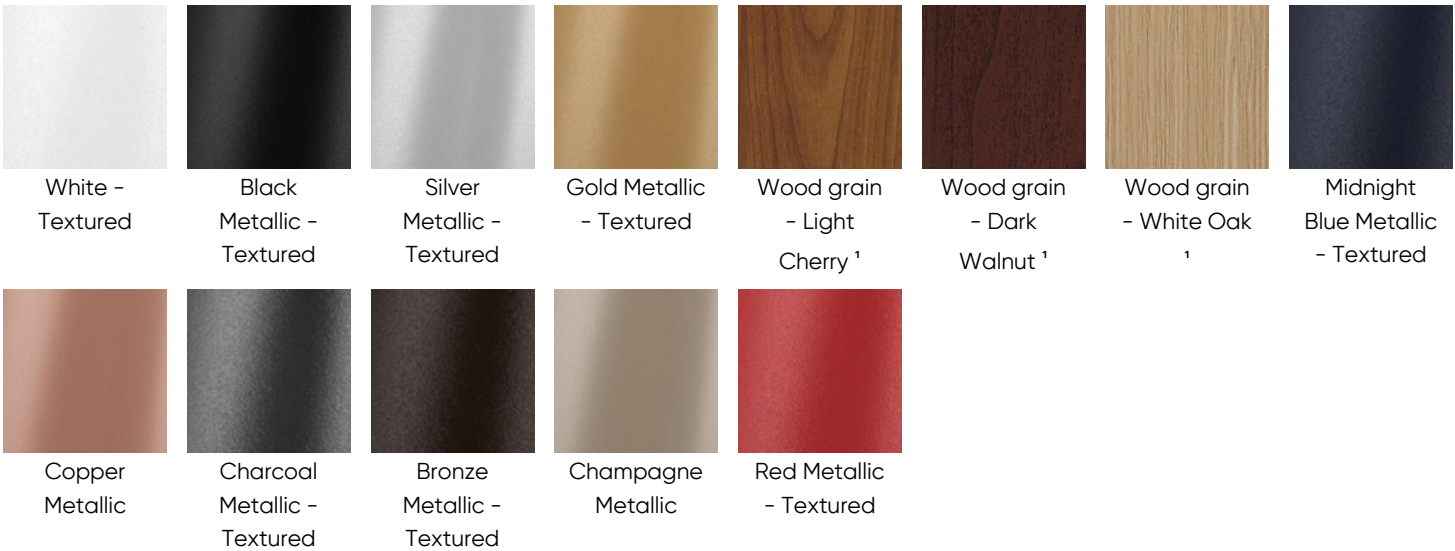


ASYMMETRIC DIRECTION



¹ Only required when the run type is not straight (TR01). If an asymmetric distribution is required with the straight run type (TR01), the asymmetric distribution will be directed away from the wall.

FIXTURE FINISH



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

CANOPY FINISH



6 HOW TO ORDER

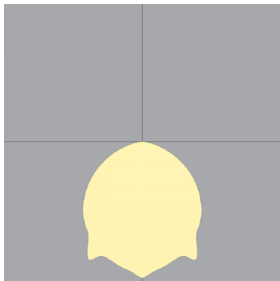
<p>LUMINAIRE TYPE</p> <p>BLKP Pendant BLKC Ceiling BLKW Wall BLKR Recessed</p>	<p>DIRECTION</p> <p>DT1 Direct DT2 Direct/Indirect DT3 Indirect</p> <p>One power cord for every 50 linear ft.</p>	<p>APERTURE</p> <p>PW01 1.5" PW02 2.5" PW03 3.5"</p>	<p>RUN TYPE</p> <p>TR01 Straight TR02 L shape ¹ TR03 U shape ¹ TR04 Quad ¹</p> <p>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.</p>
<p>LENGTH - A</p> <p>The minimum length to order is 2ft and orders are to be in 2ft increments. Examples: 4ft = SFA0400, 10ft = SFA1000, 50ft = SFA5000</p> <p>SFA_ _ _ _</p>	<p>LENGTH - B</p> <p>The minimum length to order is 2ft and orders are to be in 2ft increments. Examples: 4ft = SFB0400, 10ft = SFB1000, 50ft = SFB5000</p> <p>SFB_ _ _ _</p>	<p>LENGTH - C</p> <p>The minimum length to order is 2ft and orders are to be in 2ft increments. Examples: 4ft = SFC0400, 10ft = SFC1000, 50ft = SFC5000</p> <p>SFC_ _ _ _</p>	
<p>MAX LENGTH PER SECTION</p> <p>SL02 2ft ¹ SL04 4ft SL06 6ft SL08 8ft SL10 10ft SL12 12ft</p> <p>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.</p>	<p>END CAP PROFILE</p> <p>EP00 Not required EP01 Flat EP02 Curved</p>	<p>LM/FT (DIRECT)</p> <p>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</p> <p>¹ Not available with 1.5" aperture.</p>	

<p>LM/FT (INDIRECT)</p> <p>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/ft¹ LPG165 1650 lm/ft¹</p> <p>¹ Available with UD1 (clear diffuser) only.</p>	<p>CRI</p> <p>CR80 CRI 80+ CR90 CRI 90+</p>	<p>CCT DIRECT</p> <p>CTA00 Not required CTA27 2700K CTA30 3000K CTA35 3500K CTA40 4000K CTA60 Tunable White¹</p> <p>¹ Consult factory.* RGBW available, consult factory.</p>	<p>CCT INDIRECT</p> <p>CTB00 Not required CTB27 2700K CTB30 3000K CTB35 3500K CTB40 4000K CTB60 Tunable White¹</p> <p>¹ Consult factory.* RGBW available, consult factory.</p>
<p>DIRECT LENS</p> <p>DD0 Not required DD3 Diffused DS3 Diffused – Seamless¹</p> <p>¹ Available with straight run type (TR01) only. Seamless diffusers available up to 32ft. Longer fixtures will have at least one seam. Fixed Length available upon request.</p>	<p>INDIRECT LENS</p> <p>UD0 Not required UD1 Batwing UD2 Diffused UD3 Asymmetric¹</p> <p>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.</p>	<p>ASYMMETRIC DIRECTION</p> <p>ASD0 Not required ASD1 Inward¹ ASD2 Outward¹</p> <p>¹ Only required when the run type is not straight (TR01). If an asymmetric distribution is required with the straight run type (TR01), the asymmetric distribution will be directed away from the wall.</p>	<p>BLACKOUT PLATE</p> <p>UB00 Not required UB__ Blackout plate¹</p> <p>¹ Available on a per foot basis. May be required to prevent lighting up of duct work in loft type applications.</p>
<p>VOLTAGE</p> <p>V1 120/277V V2 240V¹ V3 347V² V4 Low Voltage³</p> <p>¹ Not available in North America. ² Only available with DA01 dimming. ³ Only available with DA45 dimming.</p>	<p>DIMMING</p> <p>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 DA45 PoE³</p> <p>¹ Not available with V3. ² Not available in North America. ³ Only available with V4.</p>	<p>CEILING TYPE</p> <p>GO Not required G1 Grid ceiling¹ H1 Hard ceiling²</p> <p>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.</p>	
<p>CEILING TRIM</p> <p>RT0 Not required RT1 Regular T-bar^{1 2} RT2 Lay-In T-Bar¹ RT3 Trimless^{1 4} RT4 Trim^{1 4}</p> <p>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.</p>	<p>SUSPENSION</p> <p>HLA00 Not required HLA03 3ft cable suspension HLA06 6ft cable suspension HLA09 9ft cable suspension</p> <p>* Note: Special order available on lengths over 13ft and may be subject to longer lead times, consult factory.</p>		<p>FIXTURE FINISH</p> <p>FA01 White – Textured FA02 Black Metallic – Textured FA20 Silver Metallic – Textured FA25 Gold Metallic – Textured FA27 Wood grain – Light Cherry¹ FA28 Wood grain – Dark Walnut¹ FA30 Wood grain – White Oak¹ FA44 Midnight Blue Metallic – Textured FA45 Copper Metallic FA46 Charcoal Metallic – Textured FA47 Bronze Metallic – Textured FA52 Champagne Metallic FA53 Red Metallic – Textured</p> <p>¹ Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.</p>

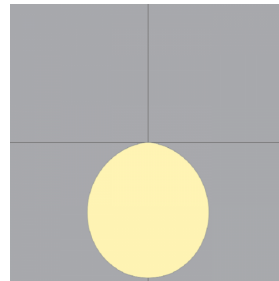
CANOPY FINISH	QUANTITY OF EMERGENCY SECTIONS	CIRCUITS
CF00 Not required CF01 White - Textured CF02 Black Metallic - Textured CF20 Silver Metallic - Textured CF25 Gold Metallic - Textured CF44 Midnight Blue Metallic - Textured CF45 Copper Metallic CF46 Charcoal Metallic - Textured CF47 Bronze Metallic - Textured CF52 Champagne Metallic CF53 Red Metallic - Textured	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.	CS1 Single circuit CS2 Dual circuit ¹

7 PERFORMANCE DATA

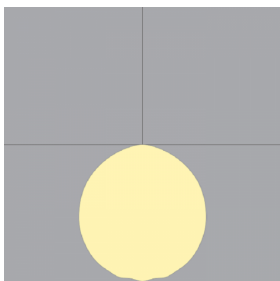
1.5 DIRECT DIFFUSED (DD3 AND DS3)

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

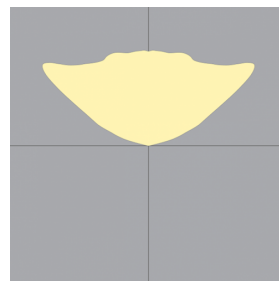
2.5 DIRECT DIFFUSED (DD3 AND DS3)

	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

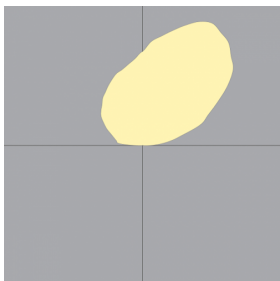
3.5 DIRECT DIFFUSED (DD3 AND DS3)

	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

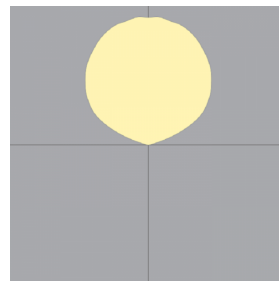
INDIRECT BATWING (UD1)

	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)

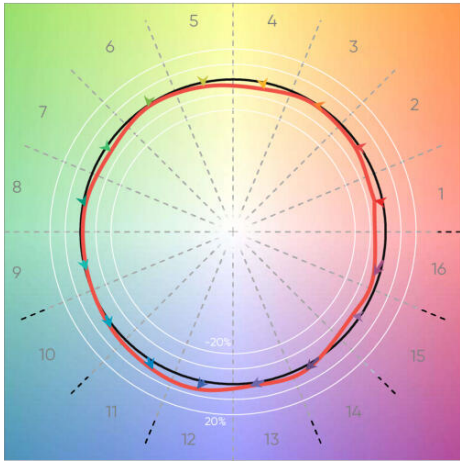
	LUMEN/FT	WATT/FT	LPW
	1200	13	97
	1000	10	100
	800	9	102
	600	6	107
	400	4	109
	200	2	112

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

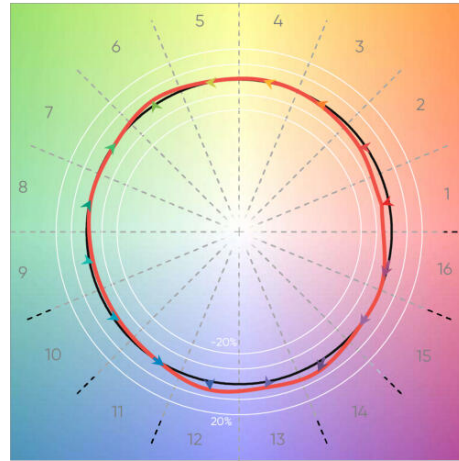
8 TM-30 DATA

CCT 2700K



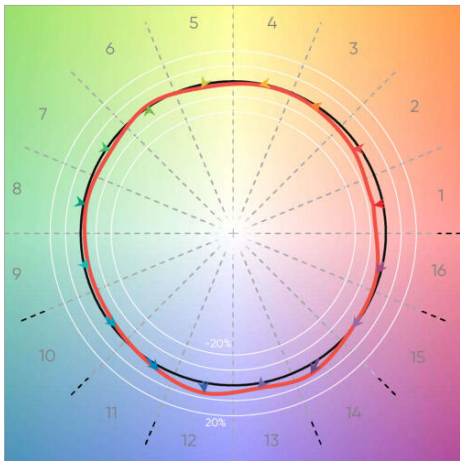
CRI (Ra)	93
CRI (R9)	61
TM30 Rf	91
TM30 Rg	98
Duv	-0.0022

CCT 3000K



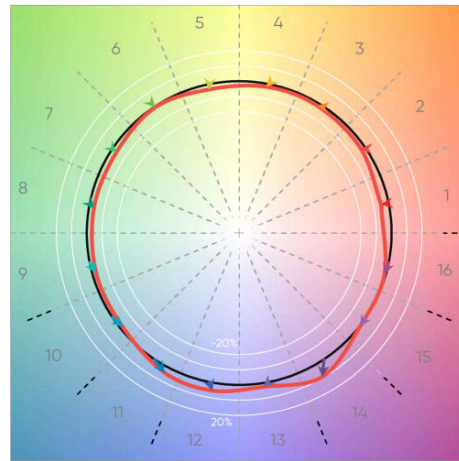
CRI (Ra)	92
CRI (R9)	58
TM30 Rf	92
TM30 Rg	100
Duv	-0.0003

CCT 3500K



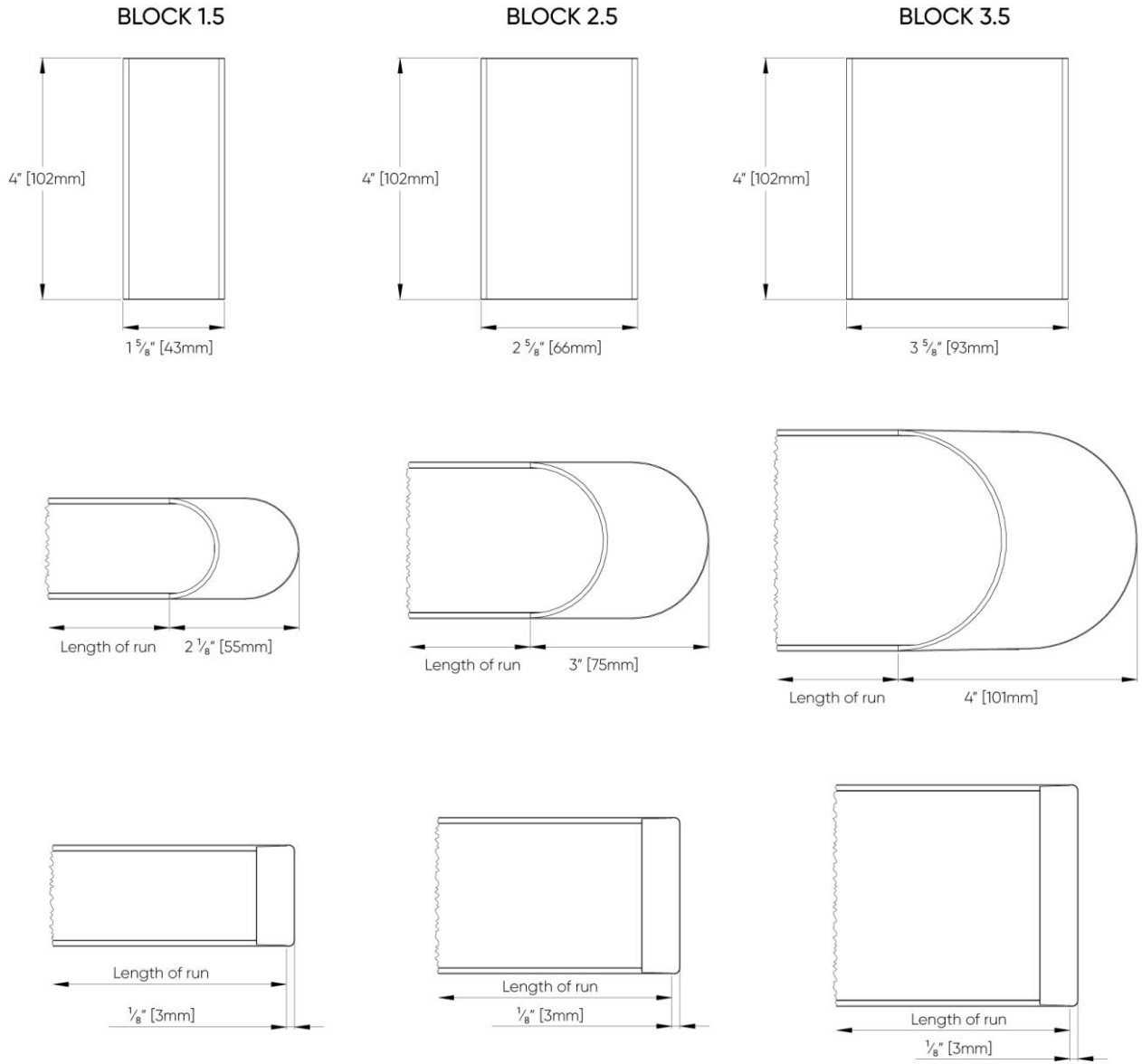
CRI (Ra)	91
CRI (R9)	53
TM30 Rf	90
TM30 Rg	99
Duv	-0.0007

CCT 4000K

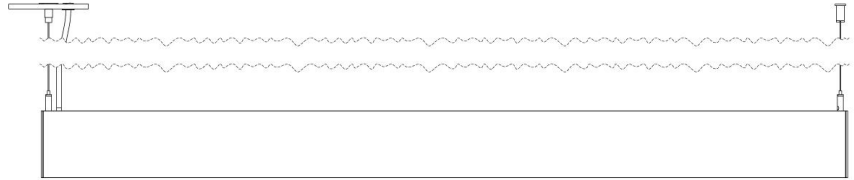
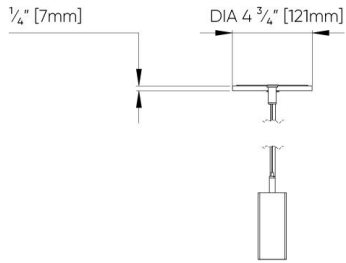


CRI (Ra)	93
CRI (R9)	64
TM30 Rf	90
TM30 Rg	98
Duv	0.0000

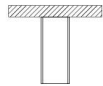
Block 1.5/2.5/3.5" - Dimensional Diagrams



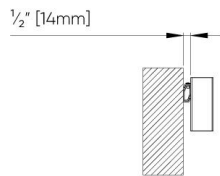
PENDANT



SURFACE

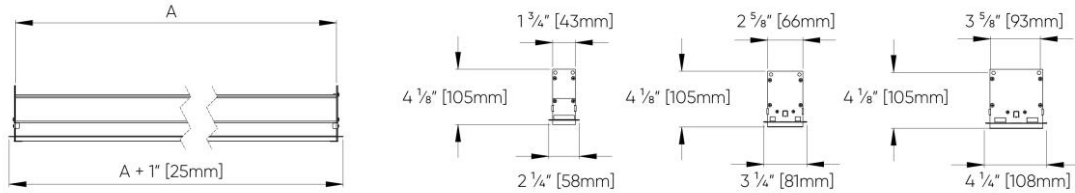


WALL

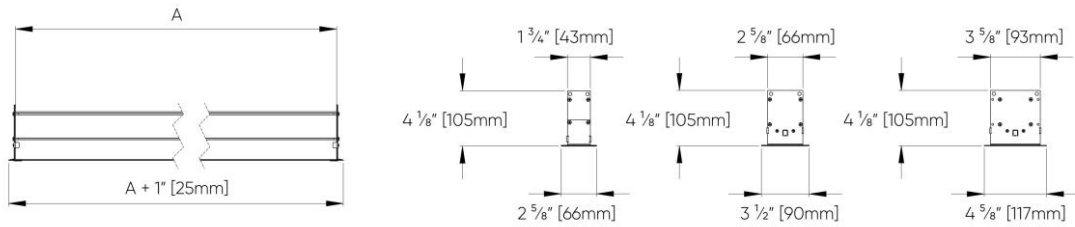


RECESSED - Grid Ceiling

Tegular ceiling



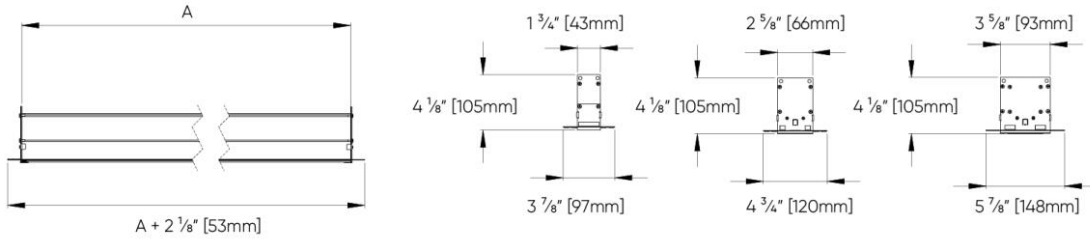
T-bar ceiling



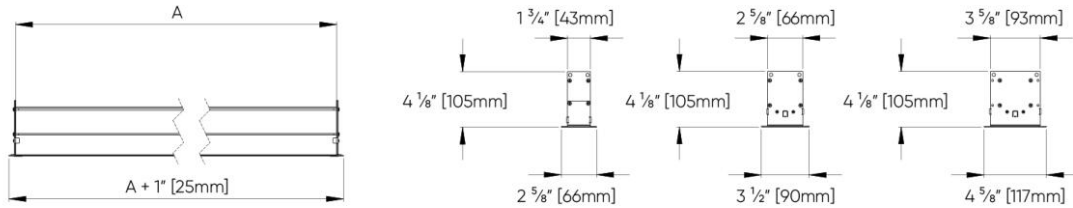
GRID CEILING	
Max Length (Per Section)	A
4ft	46 3/4" [1186mm]
6ft	70 3/4" [1796mm]
8ft	94 3/4" [2405mm]
10ft	118 3/4" [3015mm]
12ft	142 3/4" [3625mm]

RECESSED - Hard Ceiling

Trimless



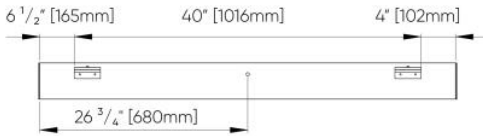
Trim



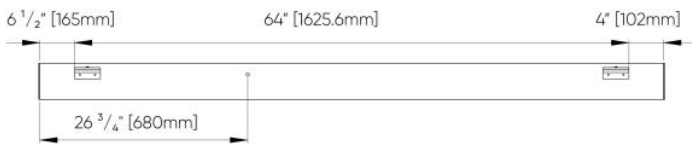
HARD CEILING	
Max Length (Per Section)	A
4ft	48" [1219mm]
6ft	72" [1829mm]
8ft	96" [2438mm]
10ft	120" [3048mm]
12ft	144" [3658mm]

WALL MOUNT CONFIGURATIONS

4FT



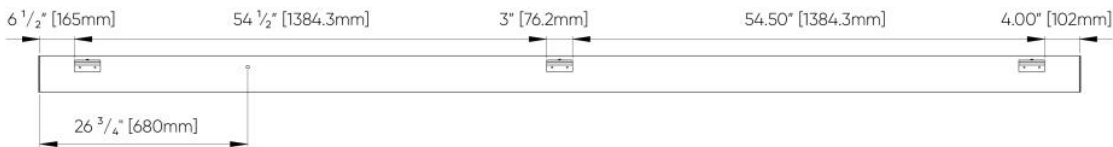
6FT



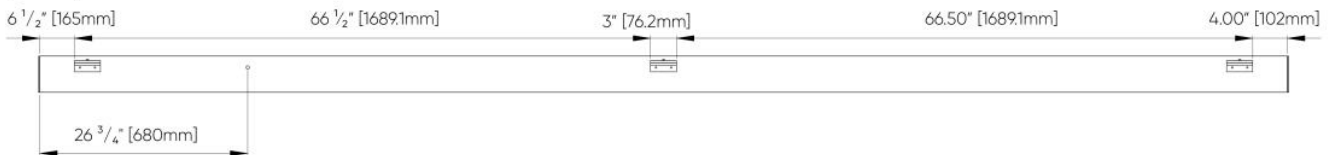
8FT



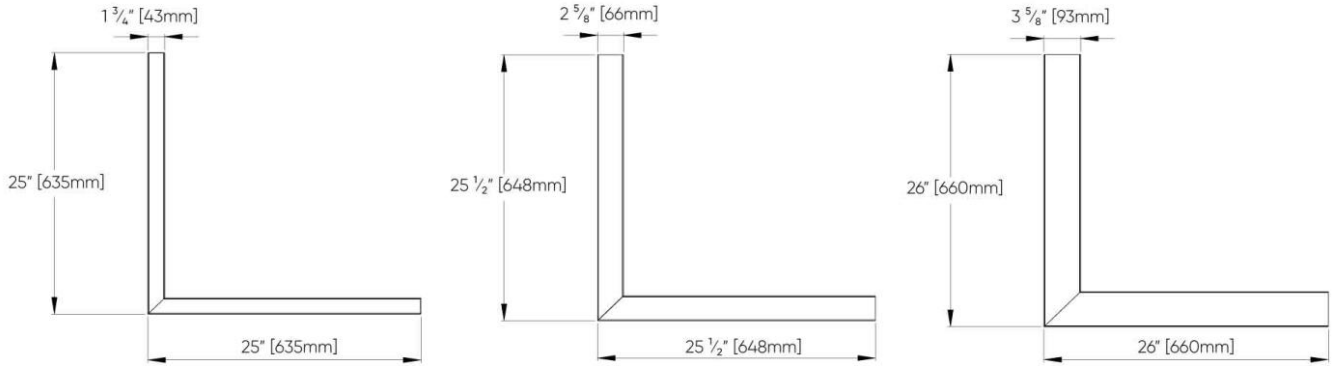
10FT



12FT



Block 1.5/2.5/3.5" Systems - Dimensional Diagrams



Run Type

