

BLOCK™ - CONTINUOUS RECESSED

Project Name:

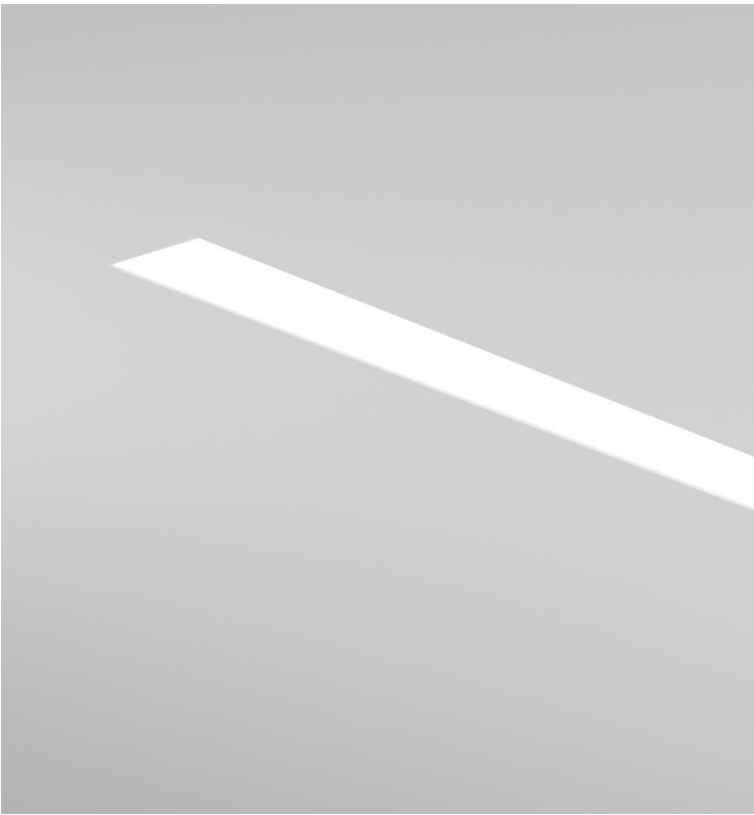
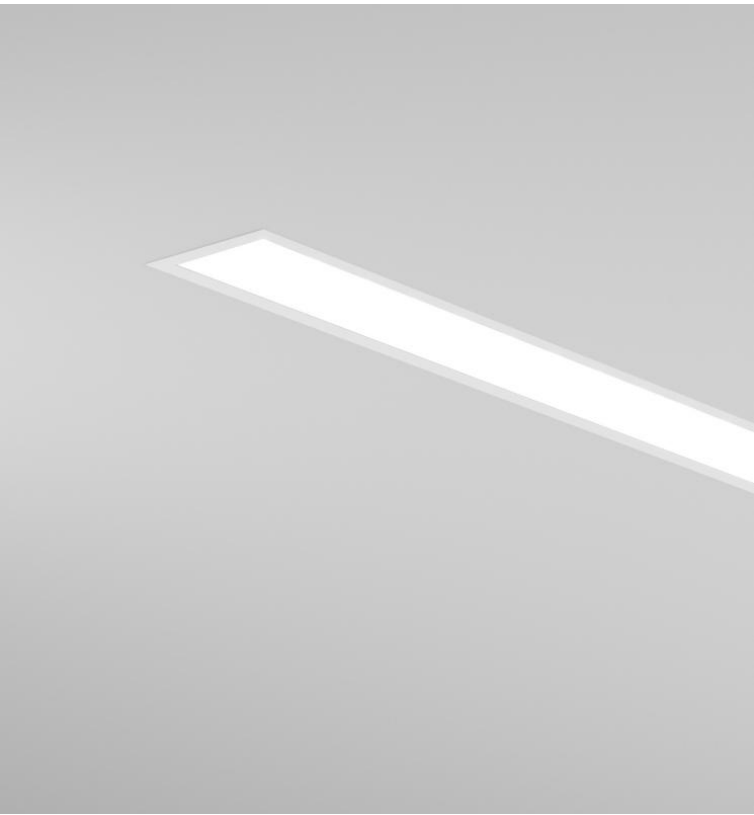
Fixture Type:

Fixture Code:

Quantities:



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BLOCK, with its classic architectural form factor, stands as an unwavering workhorse among linear systems. It distinguishes itself on two fronts by setting new benchmarks in both lumen output and efficacy. Embodying precision, **BLOCK** fulfills its specification promises with finesse. Virtually every component offers multiple options, empowering designers to meticulously tailor luminaires to suit the unique demands of any space. **BLOCK** embodies the epitome of an architectural system, an unequivocal choice for those seeking adaptability across a spectrum of performance criteria and budget constraints.

GENERAL SPECIFICATION

Body

Aluminum.

Diffuser

Opal acrylic.

Remote emergency

Emergency option provides a 1.5 hour (3hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch. Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied).

PoE

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

Reported L70 @25°C (77°F)

> 60,000 hrs @ 1400 lumens/ft (4600 lumens/m)

Delivered lumens

Delivered lumens & LPW based on 4000K, CRI 80+.

Approvals

Damp Rated.

Finish

Powder coated.

Mechanical

Luminaires mount directly over J box (by others).

Drivers

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

BIOS

For circadian lighting, consult factory.

Estimated L70 @25°C (77°F)

> 165,000 hrs @ 1400 lumens/ft (4600 lumens/m)

Tunable White

Tunable white available, consult factory.

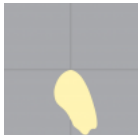
Design

US Design Patent Pending.

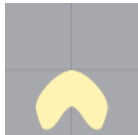
MOUNTING & OPTICS



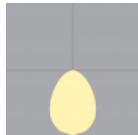
Recessed



Direct DD1



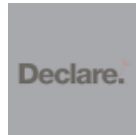
Direct DD2



Direct DD3



Bios



Declare



PoE



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HOW TO ORDER

A. LUMINAIRE

BLFR1R Direct

One power cord for every 50 linear feet.

B. LENGTH OF RUN

SFG _ _ _ _

Minimum length to order is 4ft and orders to be in 2ft increments.

Example: 4ft = SFG0400

Example: 10ft = SFG1000

Example: 50ft = SFG5000

For runs over 50ft in length, consult factory.

C. 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.

D. LM/FT

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	

E. CRI

CR80 CRI 80+	CR90 CRI 90+
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F. CCT

CTA30 3000K	CTA35 3500K	CTA40 4000K
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G. DIFFUSER

DD1 Asymmetric diffuser ¹	DD2 Batwing diffuser ¹	DD3 Diffused light diffuser
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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.

H. 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.

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I. DIMMING

DA01 0-10V Dimming 1.0%
DA30 DSI/switchDim ²

DA02 0-10V Dimming 0.1% ¹
DA45 PoE ³

DA20 DALI Dimming 0.1% ¹

DA21 DALI Dimming 1.0% ¹

¹ Not available with V3.

² Not available in North America.

³ Only available with V4.

J. CEILING TYPE & TRIM

RT1 Tegular ceiling ¹

RT2 T-Bar ceiling ²

RT3 Trimless ³

RT4 Trim ³

¹ 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.

² 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.

³ Fixture designed for drywall ceilings. All fixture metalwork is white.

K. QUANTITY OF EMERGENCY SECTIONS

EO Not required

E1 Emergency system - Integral

EG Emergency generated circuit 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.

L. CHICAGO PLENUM

CPO Not required

CP1 Chicago Plenum



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TECHNICAL DATA

LUMINAIRE

One power cord for every 50 linear feet.

Code **BLFR1R**

Light Direction

APPROVALS



DAMP
LOCATION



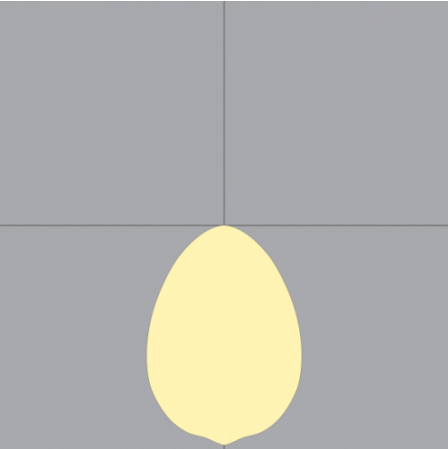
IP20



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PERFORMANCE DATA

DIRECT DIFFUSED (DD3)

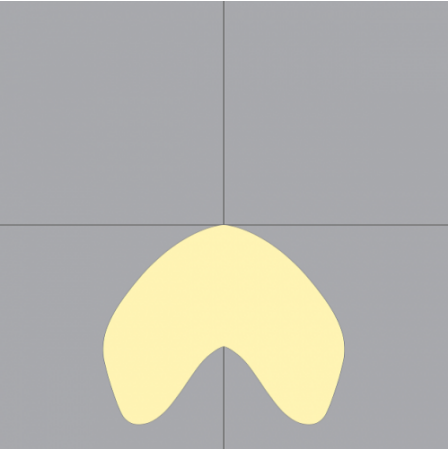


LUMEN/FT
1400
1200
1000
800
600
400
200

WATT/FT
13
11
9
7
5
3
2

LPW
116
120
123
126
130
134
136

DIRECT BATWING (DD2)

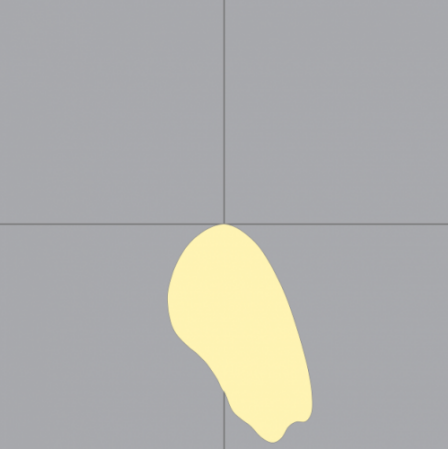


LUMEN/FT
1400
1200
1000
800
600
400
200

WATT/FT
13
11
9
7
5
3
2

LPW
116
119
122
125
129
132
138

DIRECT ASYMMETRIC (DD1)



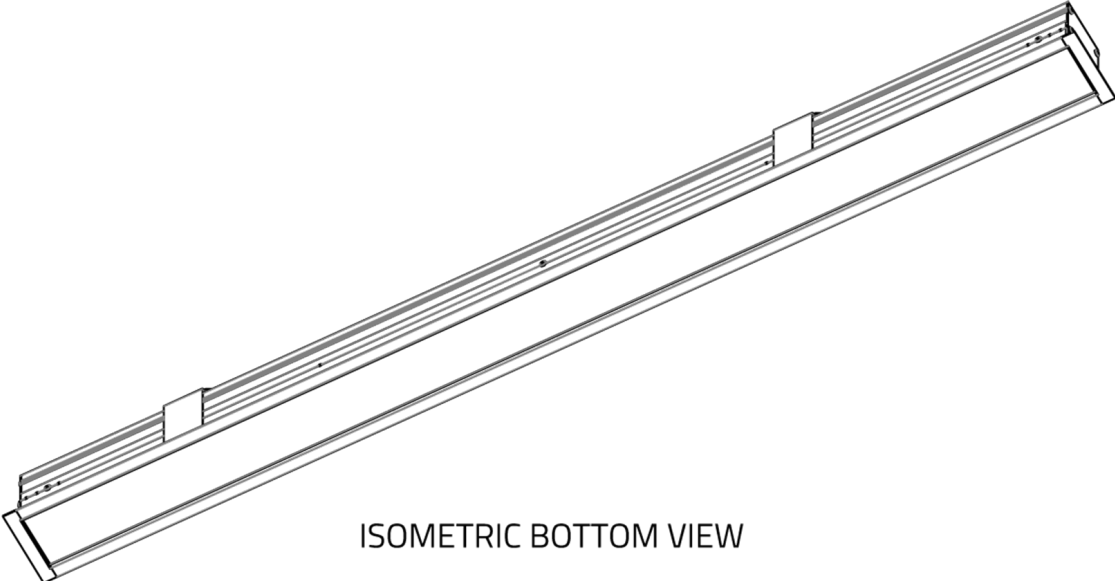
LUMEN/FT
1400
1200
1000
800
600
400
200

WATT/FT
13
11
9
7
5
3
2

LPW
114
118
121
124
128
131
136

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DIMENSIONAL DIAGRAMS

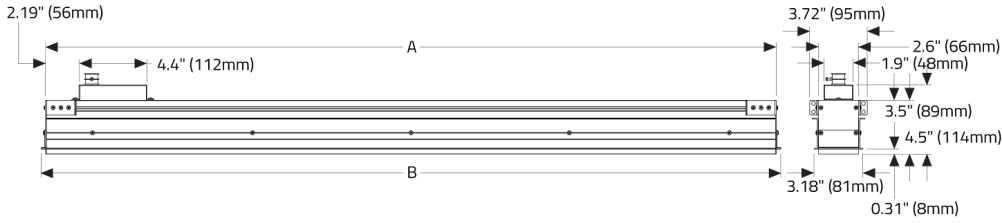


Top View
(Asymmetric Light Direction)



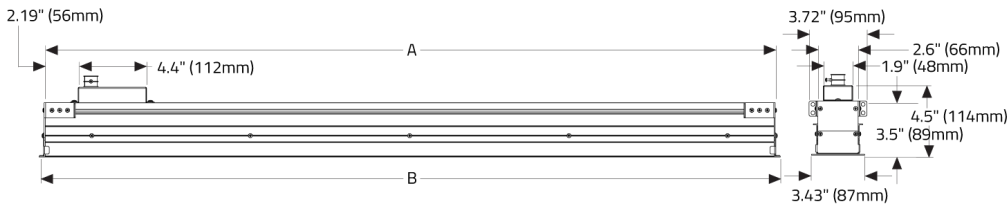
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Grid Ceiling - Tegular ceiling



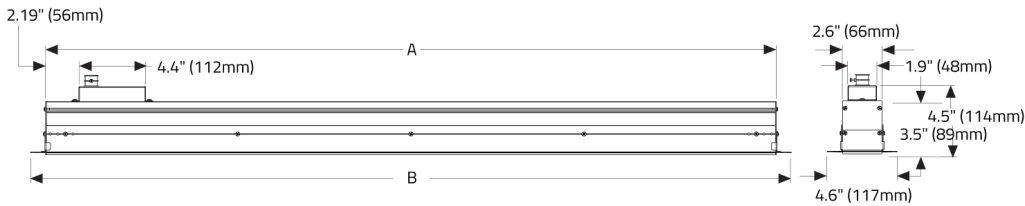
Max Length (Per section)	A	B
4ft	46.82" (1189mm)	47.7" (1212mm)
6ft	70.82" (1791mm)	71.7" (1821mm)
8ft	94.82" (2408mm)	95.7" (2431mm)
10ft	118.82" (3018mm)	119.7" (3040mm)
12ft	142.82" (3627mm)	143.7" (3650mm)

Grid Ceiling - T-bar ceiling



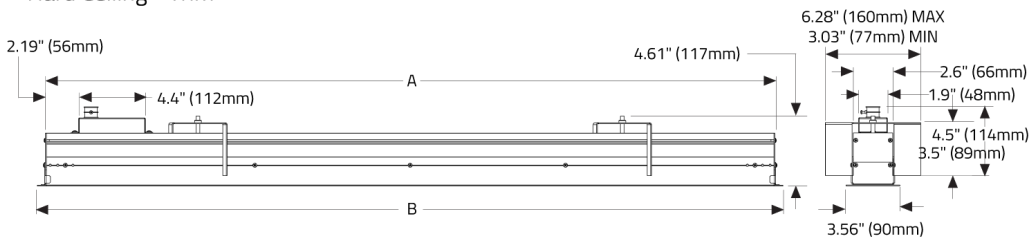
Max Length (Per section)	A	B
4ft	46.82" (1189mm)	47.7" (1212mm)
6ft	70.82" (1791mm)	71.7" (1821mm)
8ft	94.82" (2408mm)	95.7" (2431mm)
10ft	118.82" (3018mm)	119.7" (3040mm)
12ft	142.82" (3627mm)	143.7" (3650mm)

Hard Ceiling - Trimless



Max Length (Per section)	A	B
4ft	48.1" (1222mm)	50.1" (1273mm)
6ft	72.1" (1831mm)	74.1" (1882mm)
8ft	96.1" (2431mm)	98.1" (2492mm)
10ft	120.1" (3050mm)	122.1" (3040mm)
12ft	144.1" (3660mm)	146.1" (3711mm)

Hard Ceiling - Trim



Max Length (Per section)	A	B
4ft	48.1" (1222mm)	59.04" (1246mm)
6ft	72.1" (1831mm)	73.04" (1855mm)
8ft	96.1" (2431mm)	97.04" (2465mm)
10ft	120.1" (3050mm)	121.04" (3074mm)
12ft	144.1" (3660mm)	145.04" (3684mm)