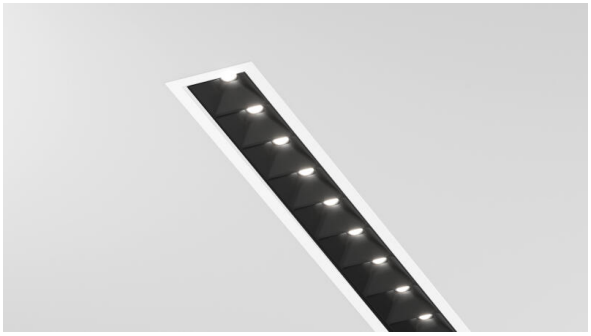
BOGGLE™

FULL SPECIFICATION SHEET



FIXTURE TYPE	FIXTURE CODE	QUANTITIES

1 DESCRIPTION

BOGGLE brings brains and brawn to professional lighting. The recessed lenses assemble into a linear cluster to provide optimal performance with superior optical definition, a 60 ° cutoff angle, better light efficiency and color rendering, and glare-reducing louvers. Improved color rendering balance, color temperature tunability, and a Unified Glare Rating below 9 make **BOGGLE** especially suitable for workspaces. The louvers in black or white present a tailored aesthetic that adds sophistication to any space. The significantly enhanced visual comfort and Tunable White options make the **BOGGLE** ideal for human-centric spaces.

2 OPTICS & FEATURES


Recessed


Direct



Declare



PoE



Tunable White

3 APPROVALS



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4 GENERAL SPECIFICATION

BODY
Aluminum.

LOUVER
Black or White acrylic. Gloss and Matte finishes.

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

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

UGR
Unified Glare Rating <9

INTEGRAL EMERGENCY SYSTEM (E1)
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.

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

REPORTED L70 @25°C (77°F)
>108000 hrs @1000 lms/ft (3300 lm/m)

ESTIMATED L70 @25°C (77°F)
>196000 hrs @1000 lms/ft (3300 lm/m)

DELIVERED LUMENS
Delivered lumens & LPW based on 4000KCRI 90+

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

CEILING TRIM FINISH


Not required

White - Textured [1]


Black Metallic Textured [1]

[1] Required for RT4 only.

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6 HOW TO ORDER

LUMINAIRE

BGGR1R Direct

One power cord for every 50 linear feet.

LENGTH OF RUN

Order in 2ft increments.

SFA_ _ _ _

MAX LENGTH PER SECTION

SL02 2ft [1]
SL04 4ft
SL06 6ft
SL08 8ft
SL10 10ft
SL12 12ft

[1] Not available with 200 lm/ft.
* 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 4x 10ft segments. For special requirements, please contact sales@betacalco.com.
* Review the Linear Length Configurations document for each length of run.

LOUVER

BL1 White Glossy
BL2 Black Glossy
BL3 White Matte
BL4 Black Matte

All data shown based on max values, consult Performance Data download for more details.

LM/FT

LPF020 200 lm/ft
LPF040 400 lm/ft
LPF060 600 lm/ft
LPF080 800 lm/ft
LPF100 1000 lm/ft

CRI

CR90 CRI 90+

CCT

CTA27 2700K
CTA30 3000K
CTA35 3500K
CTA40 4000K
CTA60 Tunable White

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.

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]
DA23 DALI DT8 Dimming 0.1% - Tunable White [1] [2]
DA45 PoE [3]

[1] Not available with V3.
[2] Only available with Tunable White.
[3] Only available with V4.

CEILING TYPE & TRIM

RT1 Tegular T-Bar [1]
RT2 Lay-In T-Bar [1]
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.

CEILING TRIM FINISH

FA00 Not required
FA01 White - Textured [1]
FA02 Black Metallic Textured [1]

[1] Required for RT4 only.

EMERGENCY

E0 Not required
E1 Emergency system - Integral [1] [2]
E3 Emergency generated circuit - Remote [1] [2]

[1] Specify quantity of emergency sections or emergency generator circuits required based off total length of run. Not available with 347V.

[2] For North America, the minimum emergency system wattage is 10W. Refer to the fixture's lumens per watt to estimate emergency light output. The emergency system typically powers only a portion of the fixture, depending on the fixture configuration and number of drivers. Consult factory for emergency system configuration and illuminated section details.
For Europe, the emergency system wattage and configuration may vary. Consult factory for details.

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

CHICAGO PLENUM

CP0 Not required
CP1 Chicago Plenum [1]

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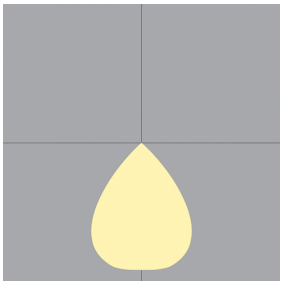
7 TECHNICAL DATA

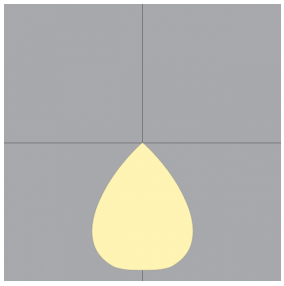
LUMINAIRE

One power cord for every 50 linear feet.

Code	**BGGR1R**
Light Direction	Direct

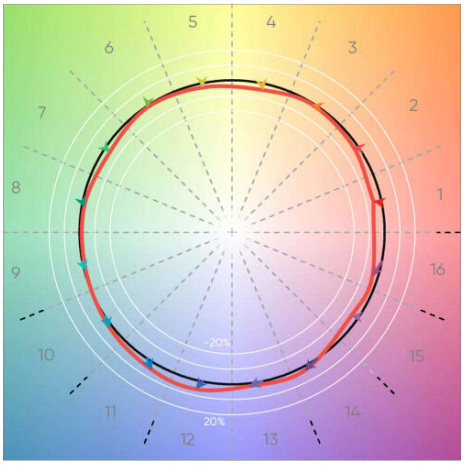
8 PERFORMANCE DATA

DIRECT WHITE LOUVER	LUMEN/FT	WATT/FT	LPW
	1000	11	90
	800	9	92
	600	6	96
	400	4	101
	200	2	107

DIRECT BLACK LOUVER	LUMEN/FT	WATT/FT	LPW
	1000	11	85
	800	9	87
	600	6	91
	400	4	96
	200	2	101

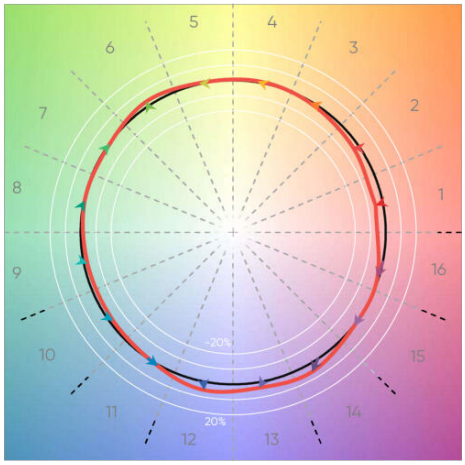
9 TM-30 DATA

CCT 2700K



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

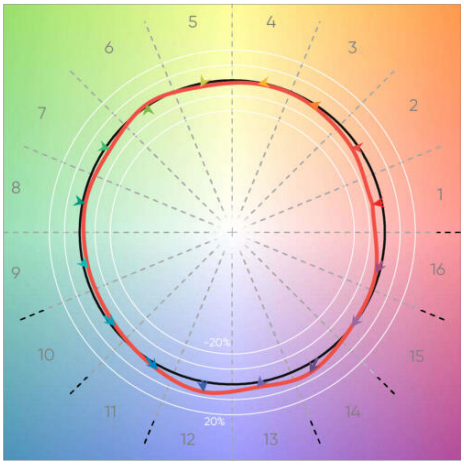
CCT 3000K



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

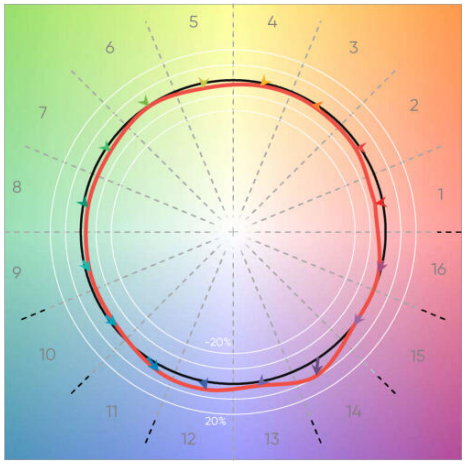
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CCT 3500K



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

CCT 4000K

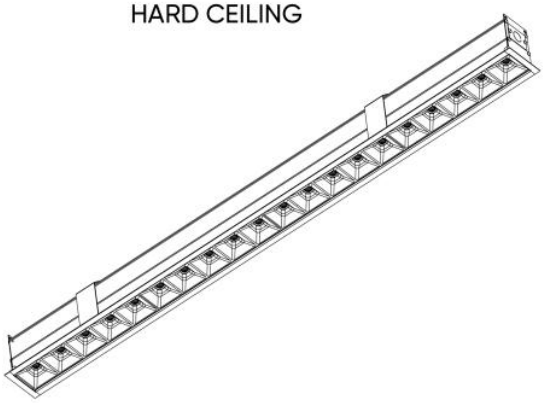


CRI (Ra)	93
CRI (R9)	64
TM30 Rf	90
TM30 Rg	98
Duv	0.0000

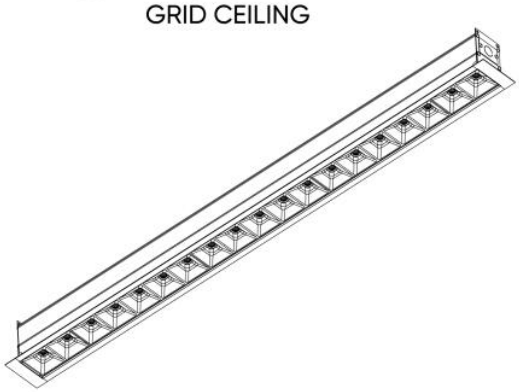
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10 DIMENSIONAL DIAGRAMS

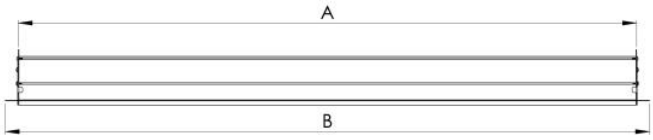
ISOMETRIC BOTTOM VIEW
HARD CEILING

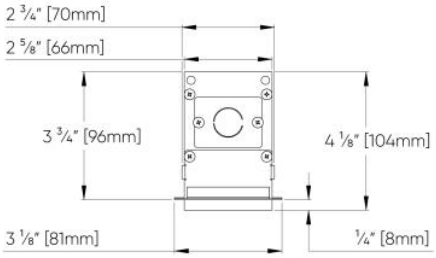


ISOMETRIC BOTTOM VIEW
GRID CEILING



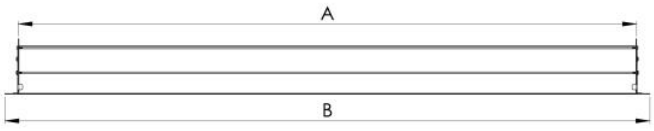
Grid Ceiling - Tegular Ceiling

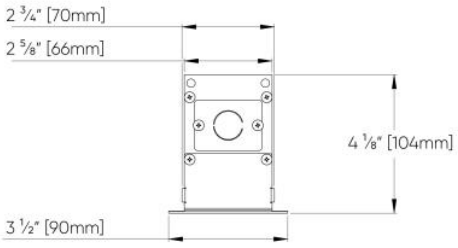




Max Length (Per Section)	A	B
2ft	21 ¾" [552mm]	23 ⅝" [601mm]
4ft	45 ¾" [1162mm]	47 ⅝" [1211mm]
6ft	69 ¾" [1772mm]	71 ⅝" [1821mm]
8ft	93 ¾" [2381mm]	95 ⅝" [2430mm]
10ft	117 ¾" [2991mm]	119 ⅝" [3040mm]
12ft	141 ¾" [3600mm]	143 ⅝" [3650mm]

Grid Ceiling - T Bar Ceiling

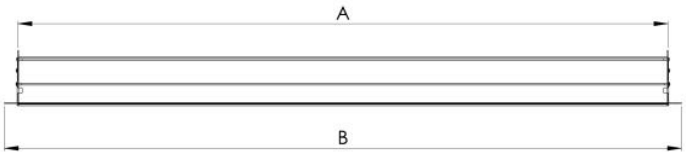


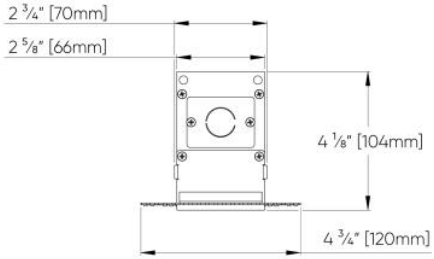


Max Length (Per Section)	A	B
2ft	21 ¾" [552mm]	23 ¾" [603mm]
4ft	45 ¾" [1162mm]	47 ¾" [1211mm]
6ft	69 ¾" [1772mm]	71 ¾" [1822mm]
8ft	93 ¾" [2381mm]	95 ¾" [2432mm]
10ft	117 ¾" [2991mm]	119 ¾" [3041mm]
12ft	141 ¾" [3600mm]	143 ¾" [3651mm]

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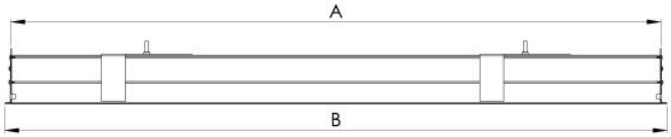
Hard Ceiling - Trimless

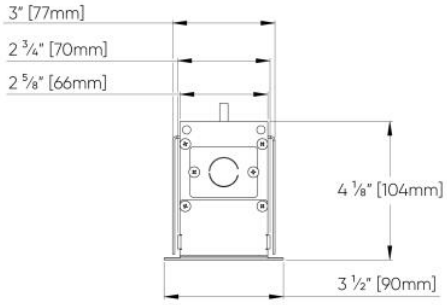




Max Length (Per Section)	A	B
2ft	24 ⅛" [612mm]	26 ⅛" [663mm]
4ft	48 ⅛" [1222mm]	50 ⅛" [1273mm]
6ft	72" ⅛" [1831mm]	74 ⅛" [1882mm]
8ft	96 ⅛" [2441mm]	98 ⅛" [2492mm]
10ft	120 ⅛" [3050mm]	122 ⅛" [3101mm]
12ft	144 ⅛" [3660mm]	146 ⅛" [3711mm]

Hard Ceiling - Trim





Max Length (Per Section)	A	B
2ft	24 ⅛" [612mm]	25" [635mm]
4ft	48 ⅛" [1222mm]	49" [1245mm]
6ft	72" ⅛" [1831mm]	73" [1854mm]
8ft	96 ⅛" [2441mm]	97" [2464mm]
10ft	120 ⅛" [3050mm]	121" [3073mm]
12ft	144 ⅛" [3660mm]	145" [3683mm]

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