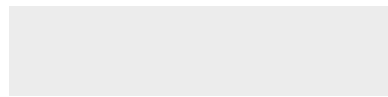
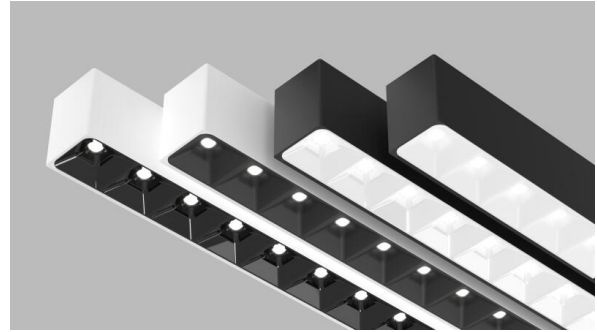


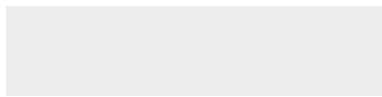


BOGGLE™

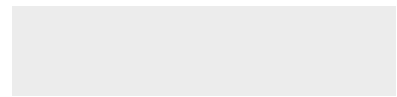
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

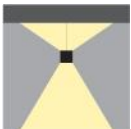
1 DESCRIPTION

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



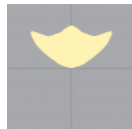
Suspended
Direct



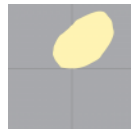
Suspended
Direct/Indirect



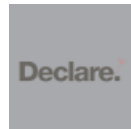
Direct



Indirect UD1



Indirect UD3



Declare



PoE



Tunable White

3 APPROVALS



4 GENERAL SPECIFICATION

BODY

Aluminum.

SUSPENSION

Steel cables.

TUNABLE WHITE

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

DRIVERS

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

LOUVER

Black or White acrylic. Gloss and Matte finishes.

ESTIMATED L70 @25° C (77° F)

>196000 hrs @2400 lms/ft (7900 lm/m)

MECHANICAL

Luminaires mount directly over J box (by others).

LUMINAIRE LEVEL LIGHTING CONTROLS

This product can be configured for integration with luminaire-level lighting controls. Contact the factory for available options and project-specific requirements.

DESIGN

US Design Patent Pending.

SUSTAINABILITY

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

FINISH

Powder coated.

POWER CABLE

Silver braided.

POE

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

UGR

Unified Glare Rating <9

REPORTED L70 @25° C (77° F)

>108000 hrs @2400 lms/ft (7900 lm/m)

DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 90+

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

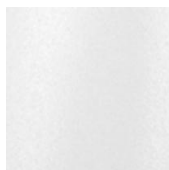
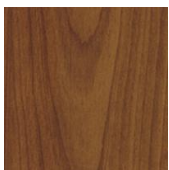
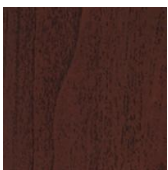
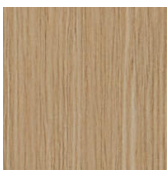
Damp Rated.

SEISMIC BRACING

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

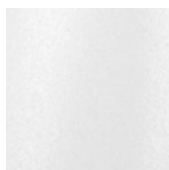
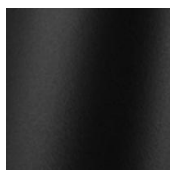
5 DESIGN OPTIONS

FIXTURE FINISH

					
White - Textured	Black Metallic - Textured	Silver Metallic - Textured	Wood grain - Light Cherry ¹	Wood grain - Dark Walnut ¹	Wood grain - White Oak ¹

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

CANOPY FINISH

		
White - Textured	Black Metallic - Textured	Silver Metallic - Textured

6 HOW TO ORDER

LUMINAIRE BGGL1P Direct BGGL2P Direct/Indirect One power cord for every 50 linear feet.	LENGTH OF RUN Order in 2ft increments. For runs over 50ft in length, consult factory. SFA _ _ _ _	MAX LENGTH PER SECTION SL02 2ft ¹ SL04 4ft SL06 6ft SL08 8ft SL10 10ft SL12 12ft ¹ Consult factory if a 2ft length is required. [*] 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.	
DIRECT LOUVER BL1 White Glossy BL2 Black Glossy BL3 White Matte BL4 Black Matte Data shown based on max values, consult Performance Data download for more details.	LM/FT (DIRECT) LPF020 200 lm/ft LPF040 400 lm/ft LPF060 600 lm/ft LPF080 800 lm/ft LPF100 1000 lm/ft	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 ¹ Not available with CTA60 (Tunable white).	CRI CR90 CRI 90+

CCT (DIRECT) CTA27 2700K CTA30 3000K CTA35 3500K CTA40 4000K CTA60 Tunable White ¹ ¹ Consult factory.	CCT (INDIRECT) CTB00 Not required CTB27 2700K CTB30 3000K CTB35 3500K CTB40 4000K CTB60 Tunable White ¹ ¹ Consult factory.	INDIRECT LENS UD0 Not required UD1 Clear (Batwing) UD3 Asymmetric ¹ ¹ Available up to 1000 lm/ft. All data shown based on max values, consult Performance Data download for more details.	BLACKOUT PLATE UB0 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.
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 DA45 PoE ² ¹ Not available with V3. ² Only available with V4. Not available with RGBW.	CEILING TYPE 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.	SUSPENSION HLA03 3ft cable suspension HLA06 6ft cable suspension HLA09 9ft cable suspension Special order available on lengths over 10ft and may be subject to longer lead times, consult factory.
FIXTURE FINISH FA01 White – Textured FA02 Black Metallic – Textured FA20 Silver Metallic – Textured FA27 Wood grain – Light Cherry ¹ FA28 Wood grain – Dark Walnut ¹ FA30 Wood grain – White Oak ¹ ¹ Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.	CANOPY FINISH CF01 White – Textured CF02 Black Metallic – Textured CF20 Silver Metallic – Textured	EMERGENCY E0 Not required E1 Emergency system – Integral ¹ E3 Emergency generated circuit – Remote ¹ ¹ A drawing will be required at time of ordering to determine the required number and location of the emergency sections or generator circuits. Not available in 347V. Available upon request, consult factory for details.	CIRCUITS CS1 Single circuit CS2 Dual circuit ¹ ¹ Independant control for uplight BGGL2P. Two power cords required when ordering dual circuit and tunable white together.
SENSORS This product can be configured for integration with luminaire-level lighting controls. Contact the factory for available options and project-specific requirements.			

7 TECHNICAL DATA

LUMINAIRE

One power cord for every 50 linear feet.

Code	BGGL1P	BGGL2P
Light Direction	Direct	Direct/Indirect

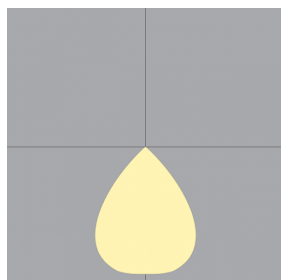
INDIRECT LENS

¹ Available up to 1000 lm/ft. All data shown based on max values, consult Performance Data download for more details.

Code	UD0	UD1	UD3
Lms/Ft		1400	
Watts/Ft		12	
LPW		144	

8 PERFORMANCE DATA

DIRECT WHITE LOUVER



LUMEN/FT

1000
800
600
400
200

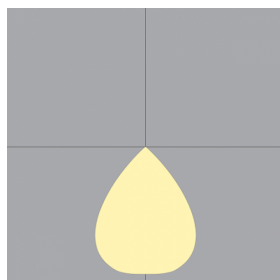
WATT/FT

11
9
6
4
2

LPW

90
92
96
101
107

DIRECT BLACK LOUVER



LUMEN/FT

1000
800
600
400
200

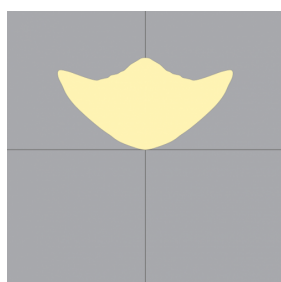
WATT/FT

11
9
6
4
2

LPW

85
87
91
96
101

INDIRECT BATWING (UD1)



LUMEN/FT

1400
1200
1000
800
600
400
200

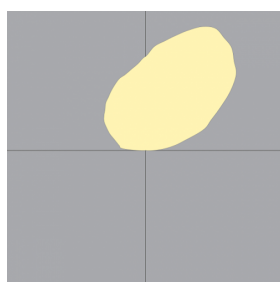
WATT/FT

12
10
8
6
5
3
2

LPW

118
121
125
129
133
139
147

INDIRECT ASYMMETRIC (UD3)



LUMEN/FT

1000
800
600
400
200

WATT/FT

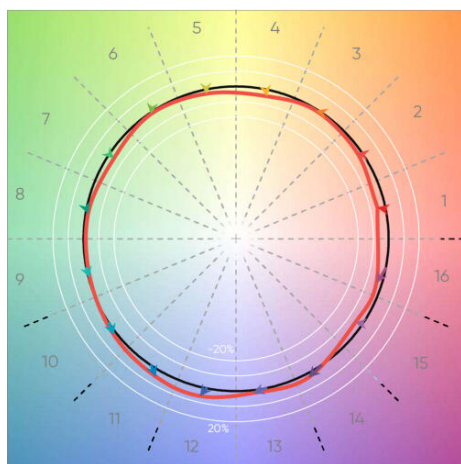
12
10
6
5
2

LPW

82
85
89
92
96

9 TM-30 DATA

CCT 2700K



CRI (Ra)

93

CRI (R9)

61

TM30 Rf

91

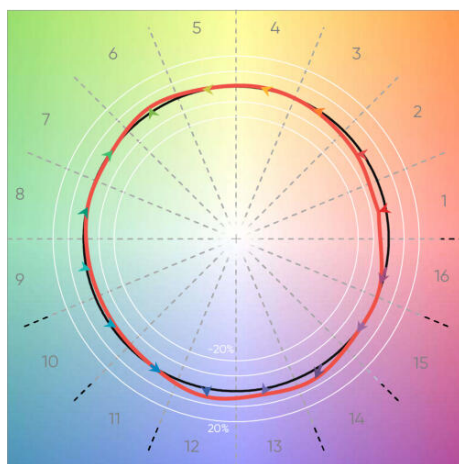
TM30 Rg

98

Duv

-0.0022

CCT 3000K



CRI (Ra)

92

CRI (R9)

58

TM30 Rf

92

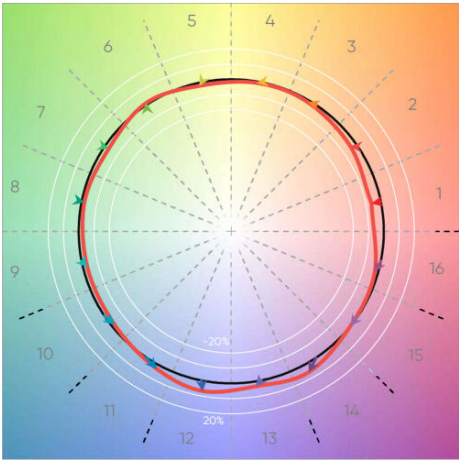
TM30 Rg

100

Duv

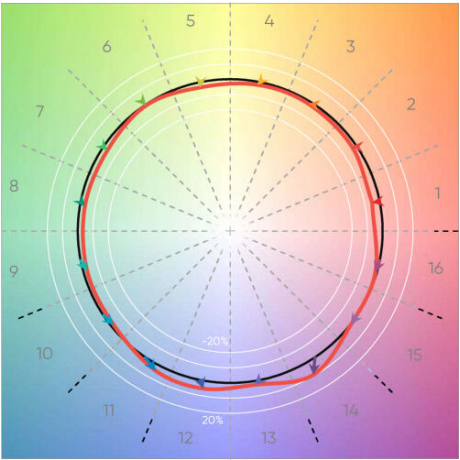
-0.0003

CCT 3500K



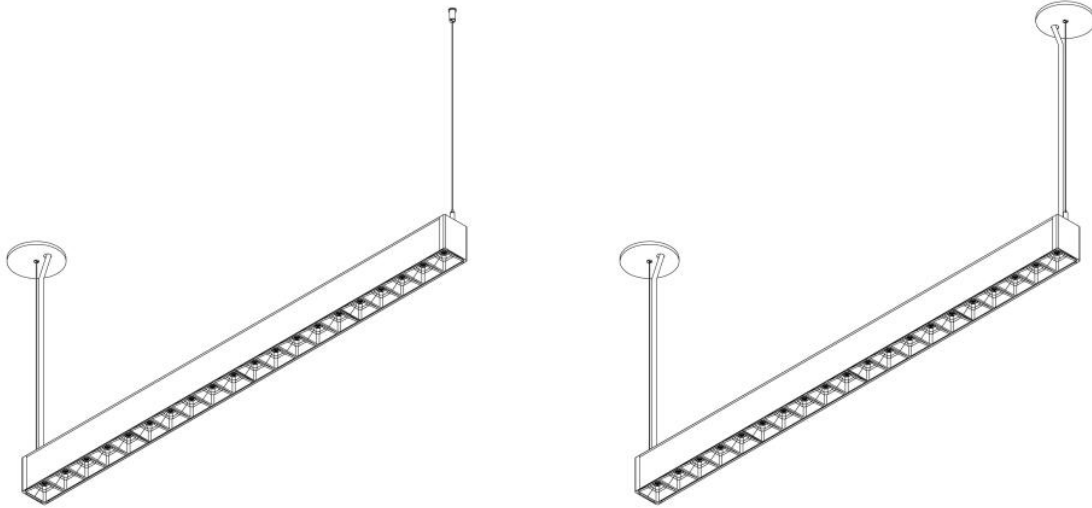
CRI (Ra)	91
CRI (R9)	53
TM30 Rf	90
TM30 Rg	99
Duv	-0.0007

CCT 4000K

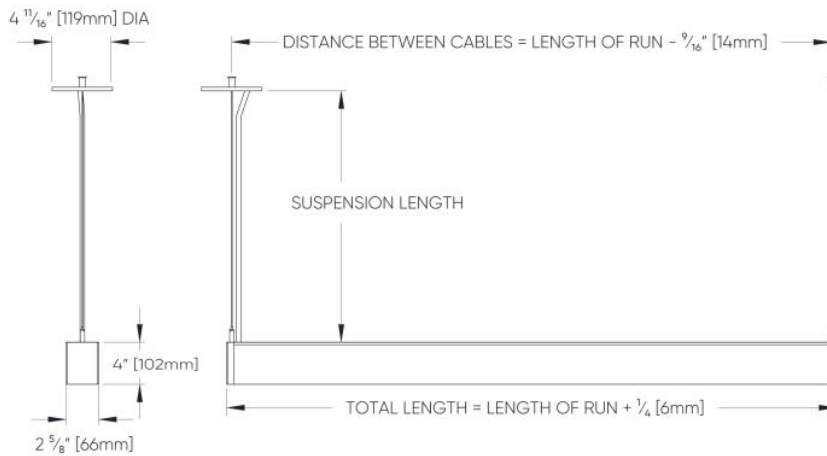


CRI (Ra)	93
CRI (R9)	64
TM30 Rf	90
TM30 Rg	98
Duv	0.0000

10 DIMENSIONAL DIAGRAMS



2 Power feeds will be necessary in the case that Direct/Indirect illumination is requested with Tunable White Direct option.



FIXTURE LENGTH	
2ft	24 $\frac{1}{4}$ " [616mm]
4ft	48 $\frac{1}{4}$ " [1226mm]
6ft	72 $\frac{1}{4}$ " [1835mm]
8ft	96 $\frac{1}{4}$ " [2445mm]
10ft	120 $\frac{1}{4}$ " [3054mm]
12ft	144 $\frac{1}{4}$ " [3664mm]

