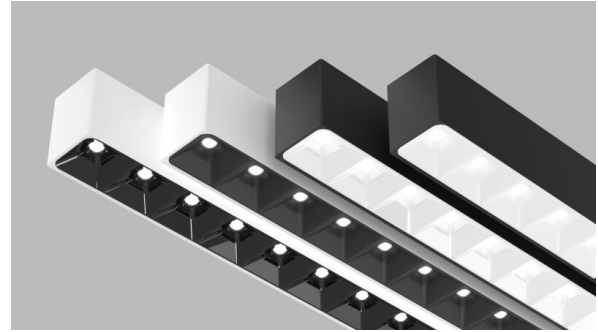




BOGGLE™

FULL SPECIFICATION SHEET



Fixture Type

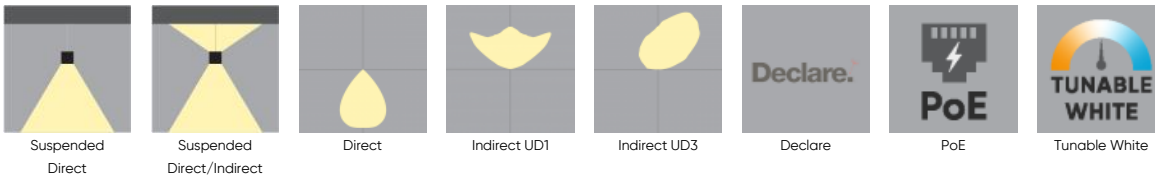
Fixture Code

Quantities

1 DESCRIPTION

BOGGLE brings brains and brawn to professional lighting. Miniature downlights assemble into a linear cluster to provide optimum performance with superior optical definition, a 60° cutoff angle, better light efficiency and color rendering, and glare-reducing baffles. Improved color rendering balance, color temperature tunability, and a Unified Glare Rating below 9 make **BOGGLE** especially suitable for workspaces. The curved baffles in black or white present a tailored aesthetic that adds sophistication to the space.

2 MOUNTING & OPTICS



3 APPROVALS



4 GENERAL SPECIFICATION

BODY

Aluminum.

FINISH

Powder coated.

SUSPENSION

Steel cables.

POWER CABLE

Silver braided.

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.

BAFFLE

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).

SENSORS

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

DESIGN

US Design Patent Pending.

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

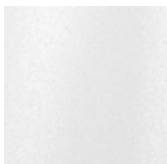
Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

APPROVALS

Damp Rated.

5 DESIGN OPTIONS

FIXTURE FINISH



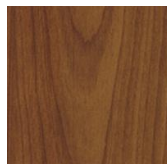
White –
Textured



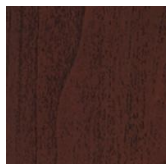
Black
Metallic –
Textured



Silver
Metallic –
Textured



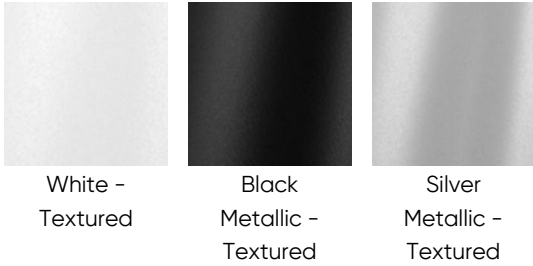
Wood grain
– Light
Cherry ¹



Wood grain
– Dark
Walnut ¹

¹ Longer than normal lead times, consult factory.

CANOPY FINISH



6 HOW TO ORDER

1. LUMINAIRE

BGGL1P Direct **BGGL2P** Direct/Indirect

One power cord for every 50 linear feet.

2. LENGTH OF RUN

Order in 2ft increments.

For runs over 50ft in length, consult factory.

SFA_ _ _ _

Order in 2ft increments.

For runs over 50ft in length, consult factory.

3. 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.

4. DIRECT BAFFLE

BL1 White Baffle (Gloss) **BL2** Black Baffle (Gloss) **BL3** White Baffle (Matte) **BL4** Black Baffle (Matte)

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

5. LM/FT (DIRECT)

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

6. 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).

7. CRI

CR90 CRI 90+

8. CCT (DIRECT)

CTA27 2700K	CTA30 3000K	CTA35 3500K	CTA40 4000K
CTA60 Tunable White ¹			

¹ Two power cords required when ordering dual circuit and tunable white Direct. When ordering Direct/Indirect, Tunable white is available for Direct only. Tunable White is available with 0-10V dimming options only. Consult factory for details.

9. CCT (INDIRECT)

CTB00 Not required	CTB27 2700K	CTB30 3000K	CTB35 3500K
CTB40 4000K			

When ordering Direct/Indirect, tunable white is available for direct only.

10. UPLIGHT DIFFUSER

UD0 Not required	UD1 Clear diffuser (Batwing diffuser)	UD3 Asymmetric diffuser ¹
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¹ Available up to 1000 lm/ft.

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

11. 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.

12. 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.

13. 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. DALI dimming (DA20 & DA21) not available with CTA60 (Tunable white).

² Not available in North America. Not available with CTA60 (Tunable white).

³ Only available with V4.

14. 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.

15. 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.

16. 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

¹ Longer than normal lead times, consult factory.

17. CANOPY FINISH

CF01 White – Textured **CF02** Black Metallic – Textured **CF20** Silver Metallic – Textured

18. 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.

19. 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.

20. SENSORS

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

7 TECHNICAL DATA

LUMINAIRE

One power cord for every 50 linear feet.

Code	BGGL1P	BGGL2P
Light Direction	Direct	Direct/Indirect

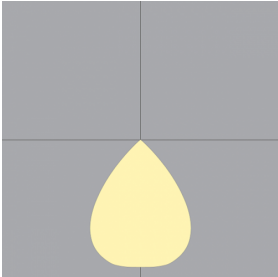
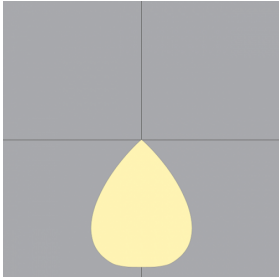
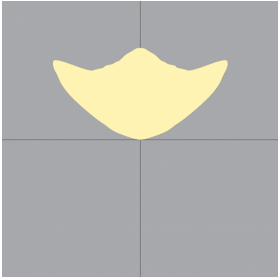
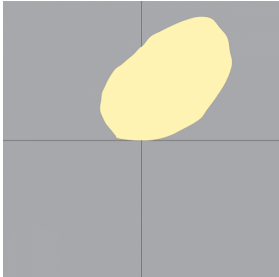
UPLIGHT DIFFUSER

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	

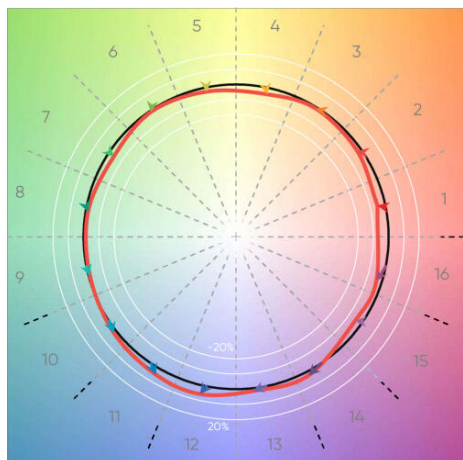
8

PERFORMANCE DATA

DIRECT WHITE BAFFLE	LUMEN/FT	WATT/FT	LPW	DIRECT BLACK BAFFLE	LUMEN/FT	WATT/FT	LPW
	1000 800 600 400 200	11 9 6 4 2	90 92 96 101 107		1000 800 600 400 200	11 9 6 4 2	85 87 91 96 101
INDIRECT BATWING (UD1)	LUMEN/FT	WATT/FT	LPW	INDIRECT ASYMMETRIC (UD3)	LUMEN/FT	WATT/FT	LPW
	1400 1200 1000 800 600 400 200	12 10 8 6 5 3 2	118 121 125 129 133 139 147		1000 800 600 400 200	12 10 6 5 2	82 85 89 92 96

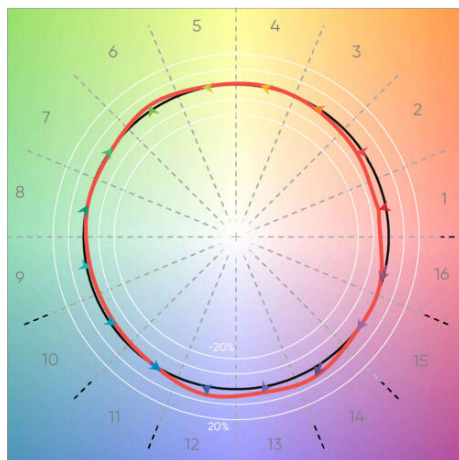
9 TM-30 DATA

CCT 2700K



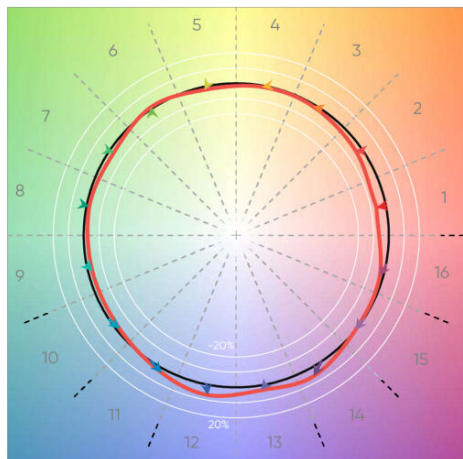
CRI (Ra)	93
CRI (R9)	61
TM30 Rf	91
TM30 Rg	98
Duv	-0.0022

CCT 3000K



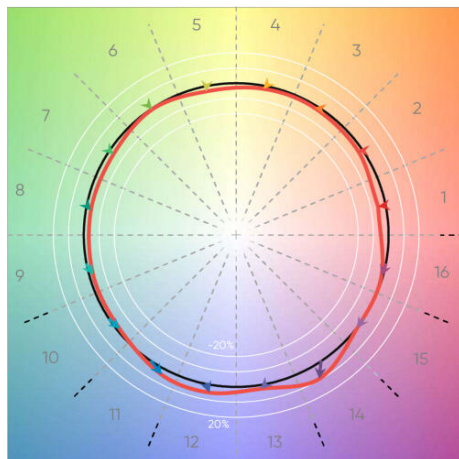
CRI (Ra)	92
CRI (R9)	58
TM30 Rf	92
TM30 Rg	100
Duv	-0.0003

CCT 3500K



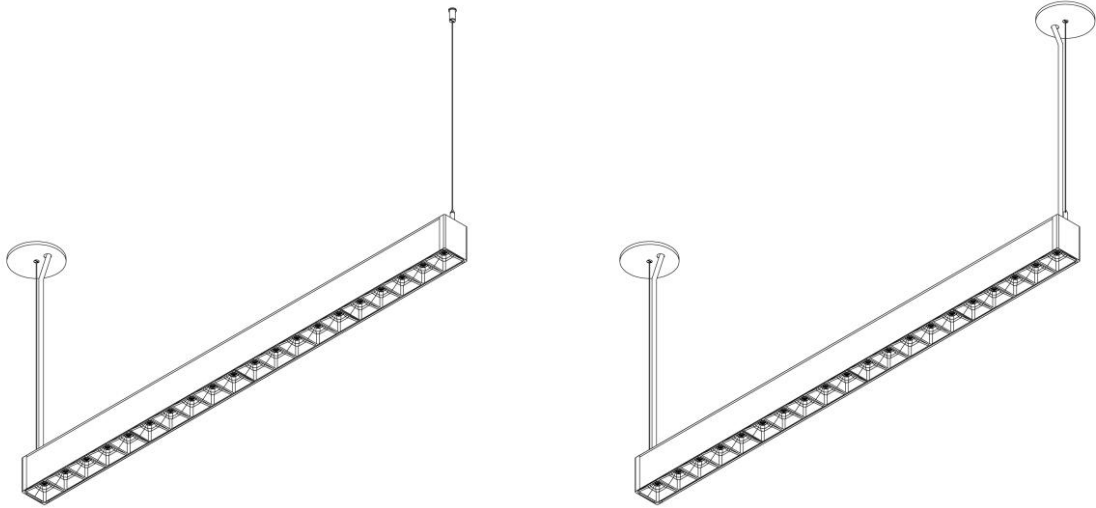
CRI (Ra)	91
CRI (R9)	53
TM30 Rf	90
TM30 Rg	99
Duv	-0.0007

CCT 4000K

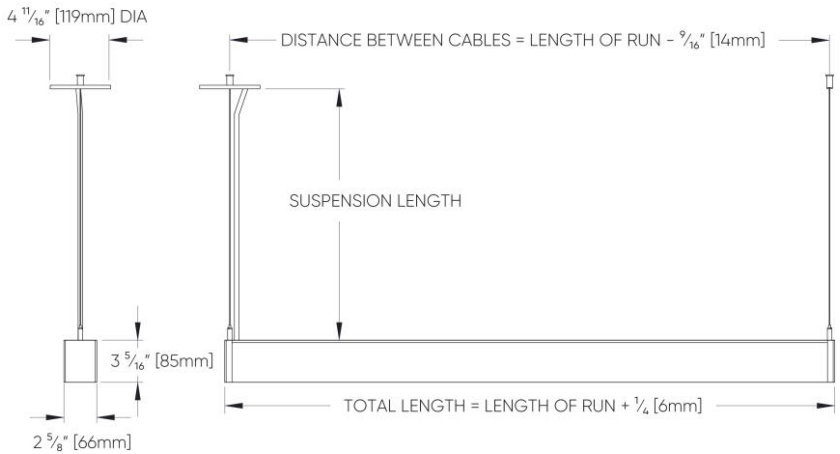


CRI (Ra)	93
CRI (R9)	64
TM30 Rf	90
TM30 Rg	98
Duv	0.0000

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]

