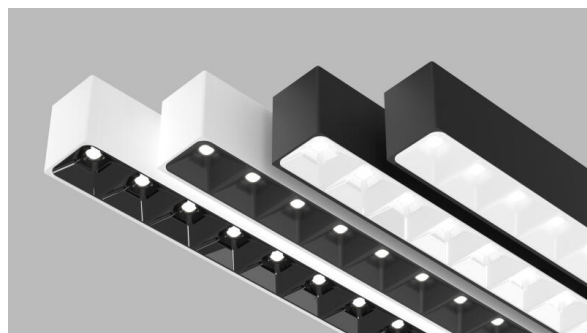




# BOGGLE™

## FULL SPECIFICATION SHEET



Fixture Type

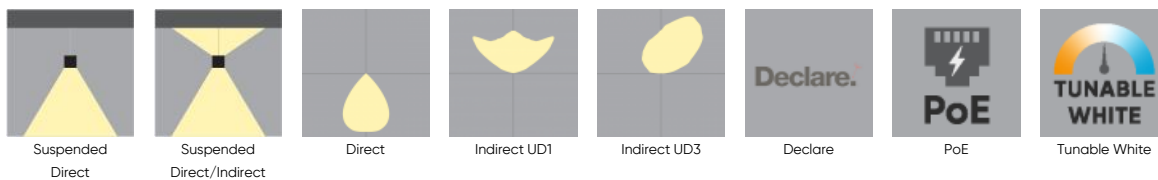
Fixture Code

Quantities

### 1 DESCRIPTION

**BOGGLE** brings brains and brawn to professional lighting. The recessed lenses assemble into a linear cluster to provide optimum 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 the space.

### 2 OPTICS & FEATURES



### 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.

## 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).

## 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.

## SEISMIC BRACING

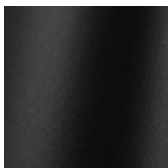
Seismic bracing kits are available to meet compliance requirements. Consult the factory for details.

## 5 DESIGN OPTIONS

### FIXTURE FINISH



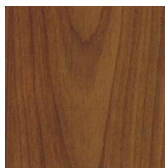
White –  
Textured



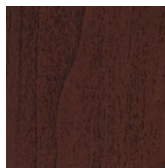
Black  
Metallic –  
Textured



Silver  
Metallic –  
Textured



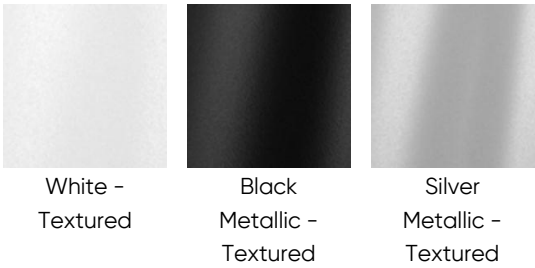
Wood grain  
– Light  
Cherry <sup>1</sup>



Wood grain  
– Dark  
Walnut <sup>1</sup>

<sup>1</sup> 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**

|                              |                  |                 |                 |
|------------------------------|------------------|-----------------|-----------------|
| <b>SL02</b> 2ft <sup>1</sup> | <b>SL04</b> 4ft  | <b>SL06</b> 6ft | <b>SL08</b> 8ft |
| <b>SL10</b> 10ft             | <b>SL12</b> 12ft |                 |                 |

<sup>1</sup> 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](mailto:sales@betacalco.com).

**4. 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.

## 5. LM/FT (DIRECT)

|                          |                         |                         |                         |
|--------------------------|-------------------------|-------------------------|-------------------------|
| <b>LPF020</b> 200 lm/ft  | <b>LPF040</b> 400 lm/ft | <b>LPF060</b> 600 lm/ft | <b>LPF080</b> 800 lm/ft |
| <b>LPF100</b> 1000 lm/ft |                         |                         |                         |

## 6. LM/FT (INDIRECT)

|                            |                          |                          |                                       |
|----------------------------|--------------------------|--------------------------|---------------------------------------|
| <b>LPG000</b> Not required | <b>LPG020</b> 200 lm/ft  | <b>LPG040</b> 400 lm/ft  | <b>LPG060</b> 600 lm/ft               |
| <b>LPG080</b> 800 lm/ft    | <b>LPG100</b> 1000 lm/ft | <b>LPG120</b> 1200 lm/ft | <b>LPG140</b> 1400 lm/ft <sup>1</sup> |

<sup>1</sup> Not available with CTA60 (Tunable white).

## 7. CRI

**CR90** CRI 90+

## 8. CCT (DIRECT)

|   |                    |                    |                    |
|---|--------------------|--------------------|--------------------|
| <b>CTA27</b> 2700K                      | <b>CTA30</b> 3000K | <b>CTA35</b> 3500K | <b>CTA40</b> 4000K |
| <b>CTA60</b> Tunable White <sup>1</sup> |                    |                    |                    |

<sup>1</sup> 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)

|                           |                    |                    |                    |
|---------------------------|--------------------|--------------------|--------------------|
| <b>CTB00</b> Not required | <b>CTB27</b> 2700K | <b>CTB30</b> 3000K | <b>CTB35</b> 3500K |
| <b>CTB40</b> 4000K        |                    |                    |                    |

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

## 10. UPLIGHT DIFFUSER

|                         |  |   |
|-------------------------|--|---|
| <b>UD0</b> Not required | <b>UD1</b> Clear diffuser (Batwing diffuser) | <b>UD3</b> Asymmetric diffuser <sup>1</sup> |
|-------------------------|--|---|

<sup>1</sup> Available up to 1000 lm/ft.

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

## 11. BLACKOUT PLATE

|                         |  |
|-------------------------|--|
| <b>UB0</b> Not required | <b>UB_ _</b> Blackout plate <sup>1</sup> |
|-------------------------|--|

<sup>1</sup> 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 <sup>1</sup>                      **V3** 347V <sup>2</sup>                      **V4** Low Voltage <sup>3</sup>

<sup>1</sup> Not available in North America.

<sup>2</sup> Only available with DA01 dimming.

<sup>3</sup> Only available with DA45 dimming.

## 13. DIMMING

**DA01** 0–10V Dimming 1.0%                      **DA02** 0–10V Dimming 0.1% <sup>1</sup>                      **DA20** DALI Dimming 0.1% <sup>1</sup>                      **DA21** DALI Dimming 1.0% <sup>1</sup>  
**DA30** DSI/switchDim <sup>2</sup>                      **DA45** PoE <sup>3</sup>

<sup>1</sup> Not available with V3. DALI dimming (DA20 & DA21) not available with CTA60 (Tunable white).

<sup>2</sup> Not available in North America. Not available with CTA60 (Tunable white).

<sup>3</sup> Only available with V4.

## 14. CEILING TYPE

**G1** Grid ceiling <sup>1</sup>                      **H1** Hard ceiling <sup>2</sup>

The cost for the canopies, power cables, connections mechanisms and endcaps for the fixture has been added to these items.

<sup>1</sup> Combo kit provided includes installation to T-bar and through tile mount.

<sup>2</sup> 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 <sup>1</sup>  
**FA28** Wood grain – Dark Walnut <sup>1</sup>

<sup>1</sup> 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 <sup>1</sup>      **E3** Emergency generated circuit – Remote <sup>1</sup>

<sup>1</sup> 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 <sup>1</sup>

<sup>1</sup> 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

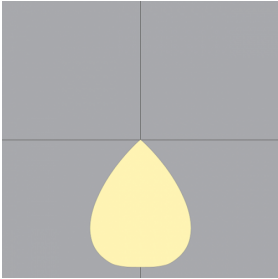
<sup>1</sup> Available up to 1000 lm/ft.

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

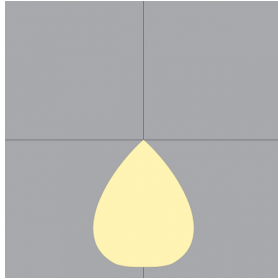
WATT/FT

11  
9  
6  
4  
2

LPW

90  
92  
96  
101  
107

DIRECT BLACK LOUVER



LUMEN/FT

1000  
800  
600  
400  
200

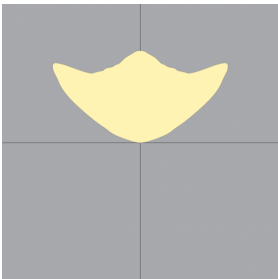
WATT/FT

11  
9  
6  
4  
2

LPW

85  
87  
91  
96  
101

INDIRECT BATWING (UD1)



LUMEN/FT

1400  
1200  
1000  
800  
600  
400  
200

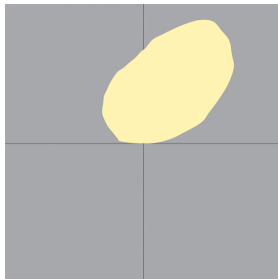
WATT/FT

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

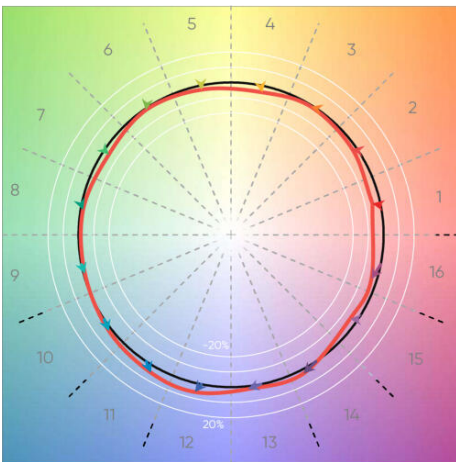
12  
10  
6  
5  
2

LPW

82  
85  
89  
92  
96

9 TM-30 DATA

CCT 2700K



CRI (Ra)

93

CRI (R9)

61

TM30 Rf

91

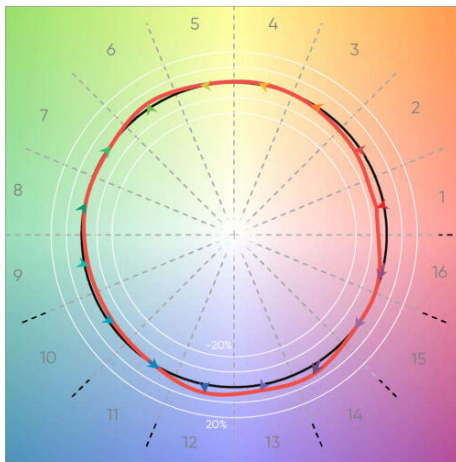
TM30 Rg

98

Duv

-0.0022

CCT 3000K



CRI (Ra)

92

CRI (R9)

58

TM30 Rf

92

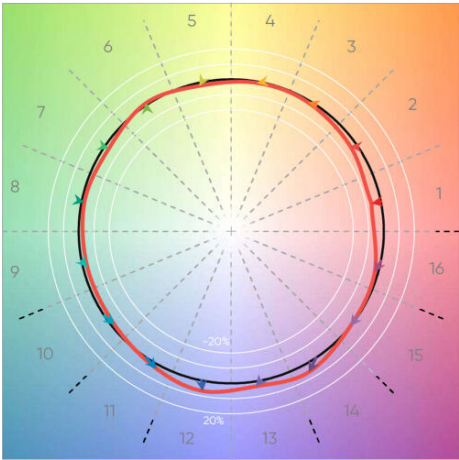
TM30 Rg

100

Duv

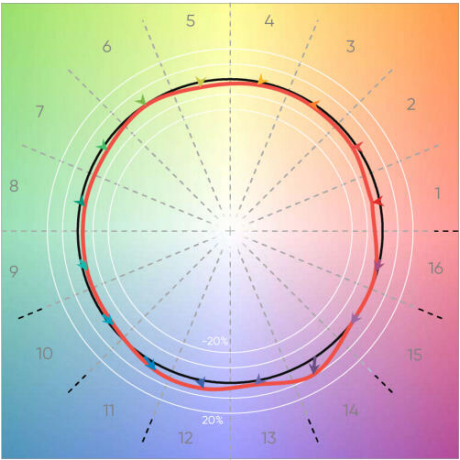
-0.0003

CCT 3500K



|                 |         |
|-----------------|---------|
| <b>CRI (Ra)</b> | 91      |
| <b>CRI (R9)</b> | 53      |
| <b>TM30 Rf</b>  | 90      |
| <b>TM30 Rg</b>  | 99      |
| <b>Duv</b>      | -0.0007 |

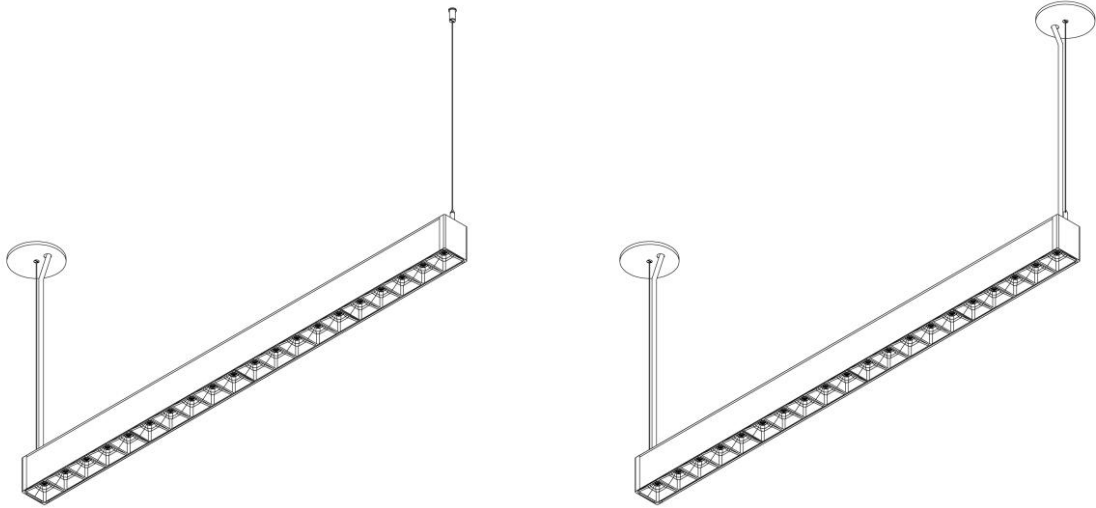
CCT 4000K



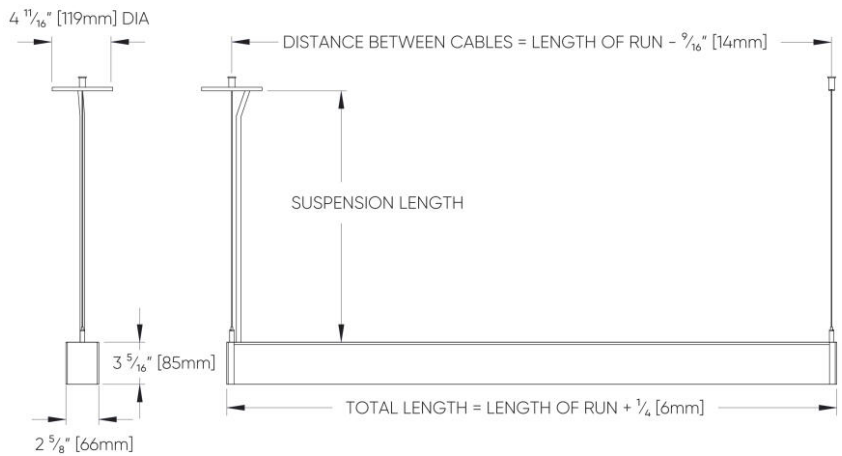
|                 |        |
|-----------------|--------|
| <b>CRI (Ra)</b> | 93     |
| <b>CRI (R9)</b> | 64     |
| <b>TM30 Rf</b>  | 90     |
| <b>TM30 Rg</b>  | 98     |
| <b>Duv</b>      | 0.0000 |



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] |

