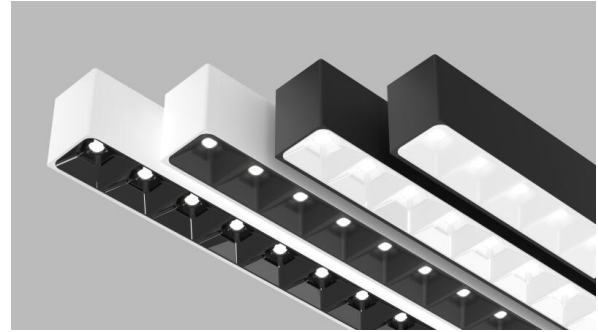




# BOGGLE™

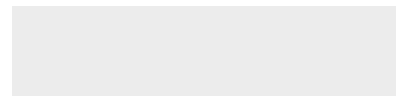
## FULL SPECIFICATION SHEET



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



### 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).

**SENSORS**

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

**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.

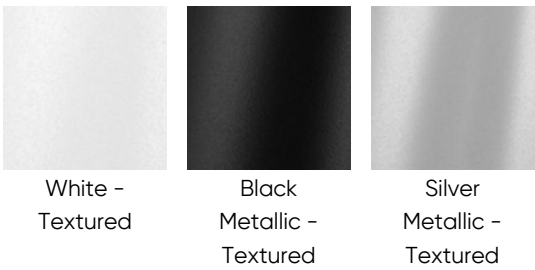
**5 DESIGN OPTIONS**

**FIXTURE FINISH**



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

**CANOPY FINISH**



**6 HOW TO ORDER**

<p><b>LUMINAIRE</b></p> <p><b>BGGL1P</b> Direct <b>BGGL2P</b> Direct/Indirect</p> <p>One power cord for every 50 linear feet.</p>	<p><b>LENGTH OF RUN</b></p> <p>Order in 2ft increments. For runs over 50ft in length, consult factory.</p> <p><b>SFA</b> _ _ _ _</p>	<p><b>MAX LENGTH PER SECTION</b></p> <p><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</p> <p><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 <a href="mailto:sales@betacalco.com">sales@betacalco.com</a>. * Review the Linear Length Configurations document for each length of run.</p>	
<p><b>DIRECT LOUVER</b></p> <p><b>BL1</b> White Glossy <b>BL2</b> Black Glossy <b>BL3</b> White Matte <b>BL4</b> Black Matte</p> <p>Data shown based on max values, consult Performance Data download for more details.</p>	<p><b>LM/FT (DIRECT)</b></p> <p><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</p>	<p><b>LM/FT (INDIRECT)</b></p> <p><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></p> <p><sup>1</sup> Not available with CTA60 (Tunable white).</p>	<p><b>CRI</b></p> <p><b>CR90</b> CRI 90+</p>

<p><b>CCT (DIRECT)</b></p> <p><b>CTA27</b> 2700K  <b>CTA30</b> 3000K  <b>CTA35</b> 3500K  <b>CTA40</b> 4000K  <b>CTA60</b> Tunable White <sup>1</sup></p> <p><sup>1</sup> Consult factory.</p>	<p><b>CCT (INDIRECT)</b></p> <p><b>CTB00</b> Not required  <b>CTB27</b> 2700K  <b>CTB30</b> 3000K  <b>CTB35</b> 3500K  <b>CTB40</b> 4000K  <b>CTB60</b> Tunable White <sup>1</sup></p> <p><sup>1</sup> Consult factory.</p>	<p><b>INDIRECT LENS</b></p> <p><b>UD0</b> Not required  <b>UD1</b> Clear (Batwing)  <b>UD3</b> Asymmetric <sup>1</sup></p> <p><sup>1</sup> Available up to 1000 lm/ft. All data shown based on max values, consult Performance Data download for more details.</p>	<p><b>BLACKOUT PLATE</b></p> <p><b>UB0</b> Not required  <b>UB_ _</b> Blackout plate <sup>1</sup></p> <p><sup>1</sup> Available on a per foot basis. May be required to prevent lighting up of duct work in loft type applications.</p>
<p><b>VOLTAGE</b></p> <p><b>V1</b> 120/277V  <b>V2</b> 240V <sup>1</sup>  <b>V3</b> 347V <sup>2</sup>  <b>V4</b> Low Voltage <sup>3</sup></p> <p><sup>1</sup> Not available in North America. <sup>2</sup> Only available with DA01 dimming. <sup>3</sup> Only available with DA45 dimming.</p>	<p><b>DIMMING</b></p> <p><b>DA01</b> 0-10V Dimming 1.0%  <b>DA02</b> 0-10V Dimming 0.1% <sup>1</sup>  <b>DA20</b> DALI Dimming 0.1% <sup>1</sup>  <b>DA21</b> DALI Dimming 1.0% <sup>1</sup>  <b>DA30</b> DSI/switchDim <sup>2</sup>  <b>DA45</b> PoE <sup>3</sup></p> <p><sup>1</sup> Not available with V3. <sup>2</sup> Not available in North America. Not available with CTA60 (Tunable white). <sup>3</sup> Only available with V4.</p>	<p><b>CEILING TYPE</b></p> <p><b>G1</b> Grid ceiling <sup>1</sup>  <b>H1</b> Hard ceiling <sup>2</sup></p> <p>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.</p>	<p><b>SUSPENSION</b></p> <p><b>HLA03</b> 3ft cable suspension  <b>HLA06</b> 6ft cable suspension  <b>HLA09</b> 9ft cable suspension</p> <p>Special order available on lengths over 10ft and may be subject to longer lead times, consult factory.</p>
<p><b>FIXTURE FINISH</b></p> <p><b>FA01</b> White - Textured  <b>FA02</b> Black Metallic - Textured  <b>FA20</b> Silver Metallic - Textured  <b>FA27</b> Wood grain - Light Cherry <sup>1</sup>  <b>FA28</b> Wood grain - Dark Walnut <sup>1</sup>  <b>FA30</b> Wood grain - White Oak <sup>1</sup></p> <p><sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.</p>	<p><b>CANOPY FINISH</b></p> <p><b>CF01</b> White - Textured  <b>CF02</b> Black Metallic - Textured  <b>CF20</b> Silver Metallic - Textured</p>	<p><b>EMERGENCY</b></p> <p><b>E0</b> Not required  <b>E1</b> Emergency system - Integral <sup>1</sup>  <b>E3</b> Emergency generated circuit - Remote <sup>1</sup></p> <p><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.</p>	<p><b>CIRCUITS</b></p> <p><b>CS1</b> Single circuit  <b>CS2</b> Dual circuit <sup>1</sup></p> <p><sup>1</sup> Independant control for uplight BGGL2P. Two power cords required when ordering dual circuit and tunable white together.</p>
<p><b>SENSORS</b></p> <p>Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.</p>			

**7 TECHNICAL DATA**

**LUMINAIRE**

One power cord for every 50 linear feet.

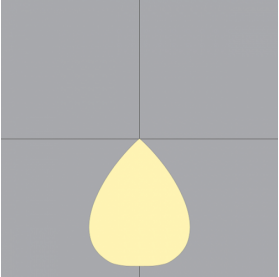
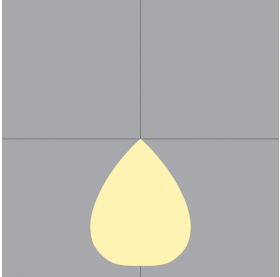
<b>Code</b>	<b>BGGL1P</b>	<b>BGGL2P</b>
<b>Light Direction</b>	Direct	Direct/Indirect

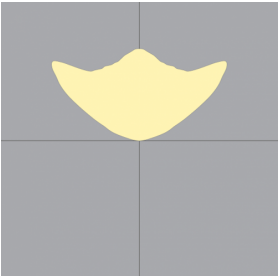
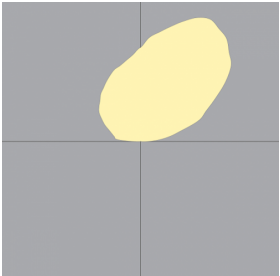
**INDIRECT LENS**

<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	

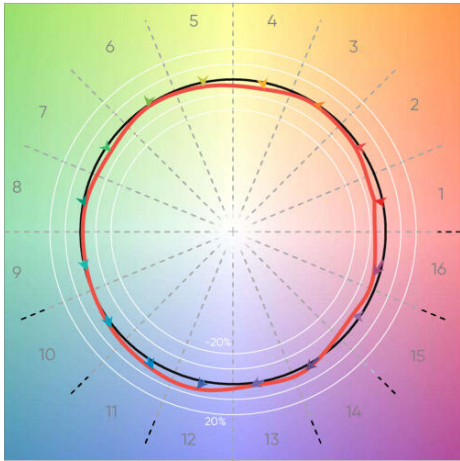
**8 PERFORMANCE DATA**

DIRECT WHITE LOUVER	LUMEN/FT	WATT/FT	LPW	DIRECT BLACK LOUVER	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

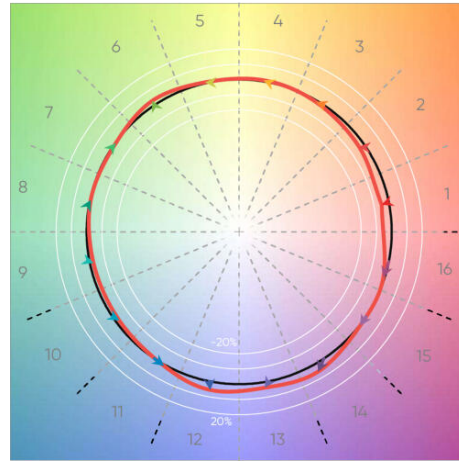
9 TM-30 DATA

**CCT 2700K**



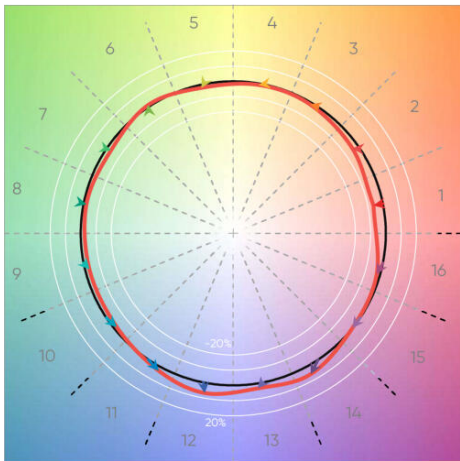
<b>CRI (Ra)</b>	93
<b>CRI (R9)</b>	61
<b>TM30 Rf</b>	91
<b>TM30 Rg</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



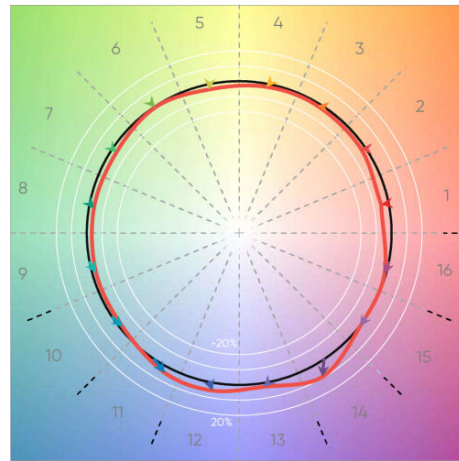
<b>CRI (Ra)</b>	92
<b>CRI (R9)</b>	58
<b>TM30 Rf</b>	92
<b>TM30 Rg</b>	100
<b>Duv</b>	-0.0003

**CCT 3500K**



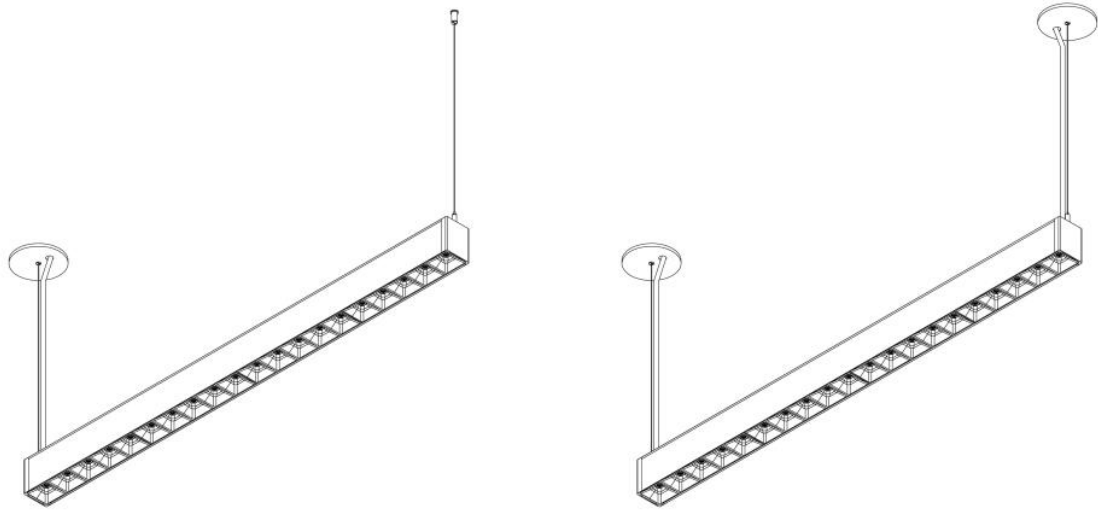
<b>CRI (Ra)</b>	91
<b>CRI (R9)</b>	53
<b>TM30 Rf</b>	90
<b>TM30 Rg</b>	99
<b>Duv</b>	-0.0007

**CCT 4000K**

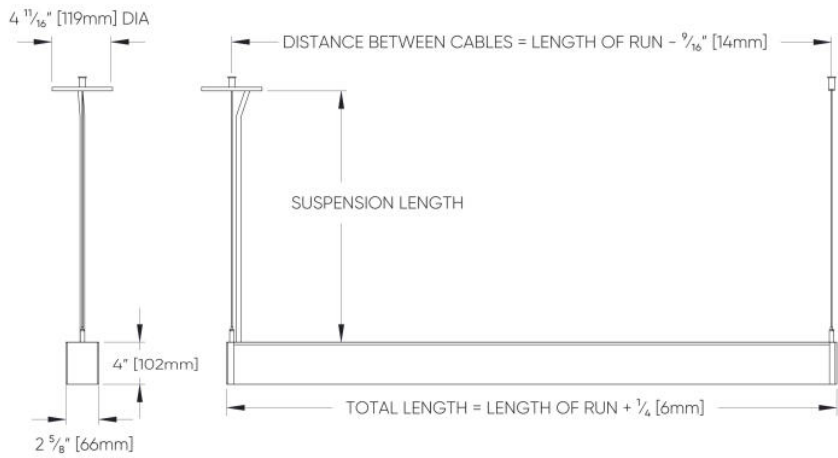


<b>CRI (Ra)</b>	93
<b>CRI (R9)</b>	64
<b>TM30 Rf</b>	90
<b>TM30 Rg</b>	98
<b>Duv</b>	0.0000

**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 1/4" [616mm]
4ft	48 1/4" [1226mm]
6ft	72 1/4" [1835mm]
8ft	96 1/4" [2445mm]
10ft	120 1/4" [3054mm]
12ft	144 1/4" [3664mm]

