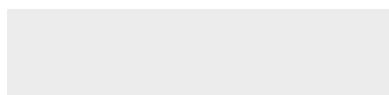


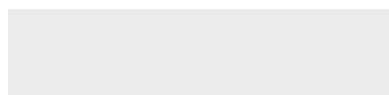


OOOOH™

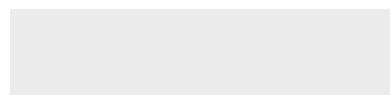
FULL SPECIFICATION SHEET



Fixture Type



Fixture Code



Quantities

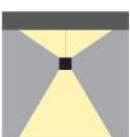
1 DESCRIPTION

OOOOH dazzles up traditional linear lighting concepts with an innovative louver system. An array of ellipses is incurved to conform to a tunnel-shaped profile creating a subtle aesthetic and sublime lighting effect. The louver system not only tempers the starkness of the commonly exposed diffuser and adds an enchanting decorative feature, but also offers visual comfort by minimizing glare. The injection-molded louvers come in 5 finishes: Black for the highest glare control, White for higher reflectance and performance, and for an interior design enhancement, satinized finishes Satin Chrome, Satin Gold, and Satin Champagne. Ooooh presents a simple way to transform a functional light into a luxurious design feature.

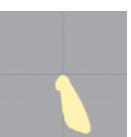
2 OPTICS & FEATURES



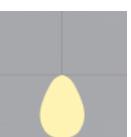
Suspended
Direct



Suspended
Direct/Indirect



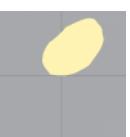
Direct DD1



Direct DD4



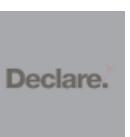
Indirect UD1



Indirect UD3



Bios



Declare



PoE



Tunable White

3 APPROVALS



DAMP
LOCATION



IP20

4 GENERAL SPECIFICATION

BODY

Aluminum.

FINISH

Powder coated.

SUSPENSION

Steel cables.

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.

Fixture Lengths

Available in 1" increments. Contact the factory for details.

ESTIMATED L70 @25°C (77°F)

> 165,000 hrs @ 2000 lumens/ft (6000 lumens/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.

RGBW

RGBW available, consult factory.

DESIGNED BY

Serge Cornelissen.

SEISMIC BRACING

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

POWER CABLE

Silver braided.

BIOS

For circadian lighting, consult factory.

LENS

Opal acrylic. 2.4" width.

REPORTED L70 @25°C (77°F)

> 60,000 hrs @ 2000 lumens/ft (6000 lumens/m)

DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

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.

TUNABLE WHITE

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

APPROVALS

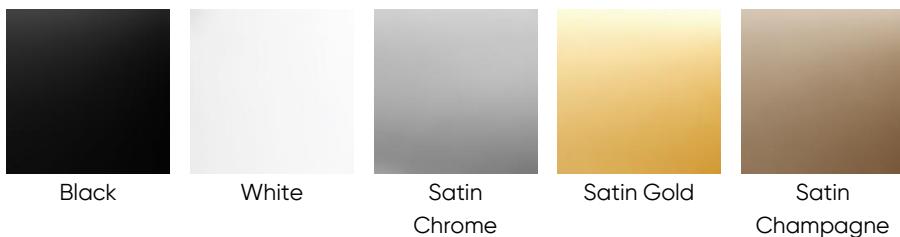
Damp Rated.

DESIGN

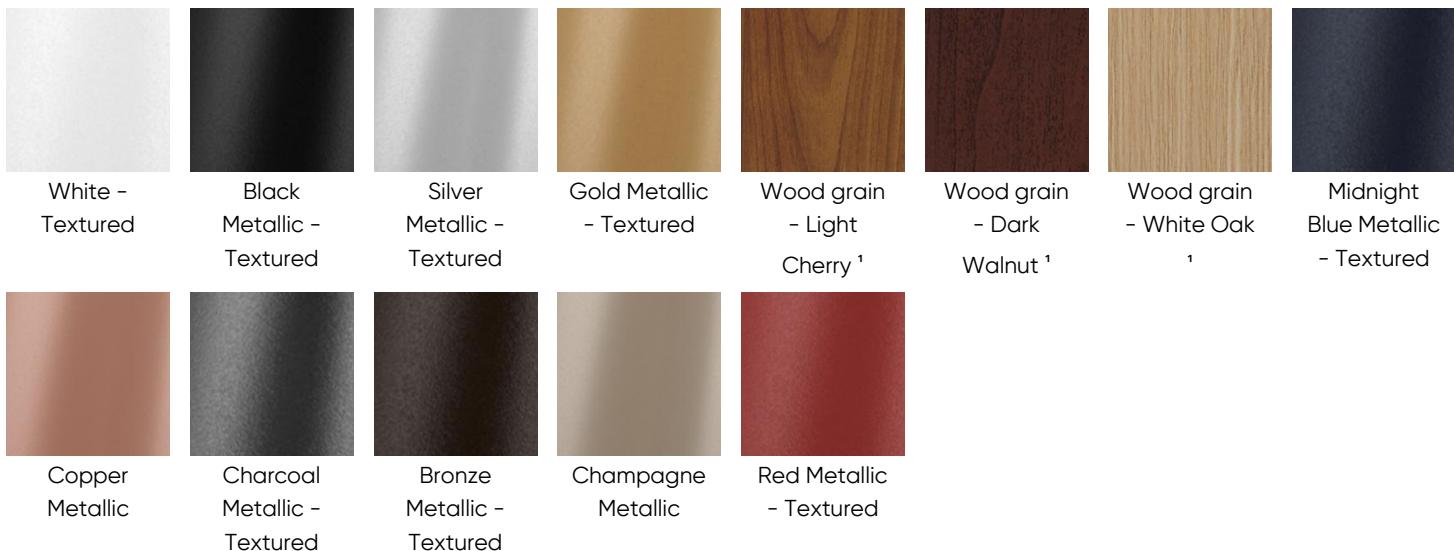
US Pat. No. D969,395.

5 DESIGN OPTIONS

LOUVER

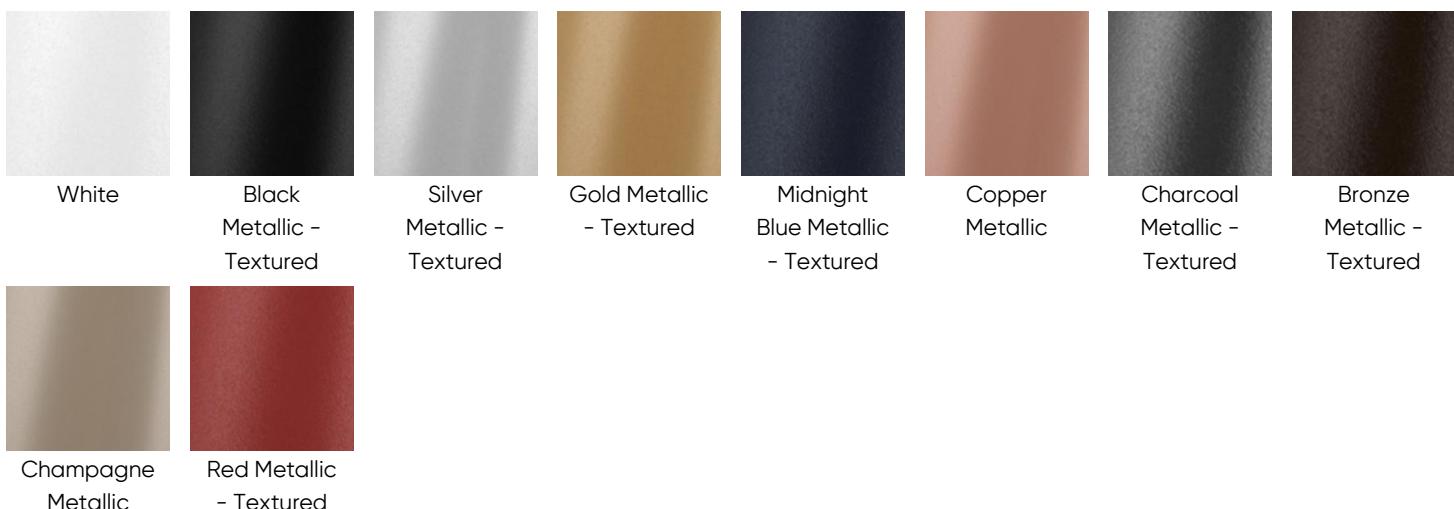


FINISH



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

CANOPY FINISH



6 HOW TO ORDER**1. LUMINAIRE**

HLNL1P Direct **HLNL2P** Direct/Indirect

One power cord for every 50 linear feet.

2. LENGTH OF RUN

The minimum length of order is 4'. Lengths are to be in 2' increments.

Example: 4' = SFA0400, 10' = SFA1000, 50' = SFA5000

For runs over 50' in length, consult factory.

SFA----

3. MAX LENGTH PER SECTION

SL04 4ft	SL06 6ft	SL08 8ft	SL10 10ft
SL12 12ft			

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 4 10ft segments. For special requirements, please contact sales@betacalco.com.

4. LOUVER

LV2 Black	LV3 White	LV4 Satin Chrome	LV6 Satin Gold
LV9 Satin Champagne			

5. LM/FT (DIRECT)

LPF020 200 lm/ft	LPF030 300 lm/ft	LPF040 400 lm/ft	LPF050 500 lm/ft
LPF060 600 lm/ft	LPF070 700 lm/ft	LPF080 800 lm/ft	LPF100 1000 lm/ft
LPF120 1200 lm/ft	LPF130 1300 lm/ft		

Lumens/ft are determined by the color of the Louver. Consult website for available lumens/ft based on selected louver.

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
LPG165 1650 lm/ft			

Consult website for available lumens/ft.

7. CRI

CR80 CRI 80+ **CR90** CRI 90+

8. CCT DIRECT

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

¹ Consult factory.

9. CCT INDIRECT

CTB00 Not required **CTA27** 2700K **CTB30** 3000K **CTB35** 3500K
CTB40 4000K **CTB60** Tunable White ¹

¹ Consult factory.

10. DIRECT LENS

DD1 Asymmetric **DD4** Comfort

¹ When standing at the end view of the profile on the side where the power cord is installed, the asymmetric beam will aim to the right.

11. INDIRECT LENS

UD0 Not required **UD1** Clear (Batwing distribution) **UD3** Asymmetric ¹

¹ Available up to 1200 lm/ft.

12. UPLIGHT BLACKOUT PLATE

UB00 Not required **UB_** Blackout plate ¹

¹ Available on a per foot basis. May be required to prevent lighting up duct work in a loft type application.

13. 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.

14. 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. ² Not available in North America. ³ Only available with V4.

15. CEILING TYPE

G1 Grid ceiling ¹	H1 Hard ceiling ²
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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.

16. SUSPENSION

HLA03 3ft cable suspension	HLA06 6ft cable suspension	HLA09 9ft cable suspension
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17. FIXTURE FINISH

FA01 White - Textured	FA02 Black Metallic - Textured	FA20 Silver Metallic - Textured	FA25 Gold Metallic - Textured
FA27 Wood grain - Light Cherry ¹	FA28 Wood grain - Dark Walnut ¹	FA30 Wood grain - White Oak ¹	FA44 Midnight Blue Metallic - Textured
FA45 Copper Metallic	FA46 Charcoal Metallic - Textured	FA47 Bronze Metallic - Textured	FA52 Champagne Metallic
FA53 Red Metallic - Textured			

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

18. CANOPY FINISH

CF01 White	CF02 Black Metallic - Textured	CF20 Silver Metallic - Textured	CF25 Gold Metallic - Textured
CF44 Midnight Blue Metallic - Textured	CF45 Copper Metallic	CF46 Charcoal Metallic - Textured	CF47 Bronze Metallic - Textured
CF52 Champagne Metallic	CF53 Red Metallic - Textured		

19. EMERGENCY

E0 Not required	E1 Emergency system - Integral ¹	E3 Emergency generator circuit ¹
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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.

20. CIRCUITS

CS1 Single circuit

CS2 Dual circuit ¹

¹ Independent control of uplight for HLNP2P.

21. SENSORS

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

7 TECHNICAL DATA

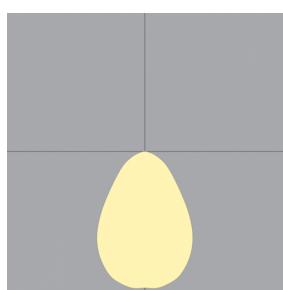
LUMINAIRE

One power cord for every 50 linear feet.

Code	HLNL1P	HLNL2P
Light Direction	Direct	Direct/Indirect

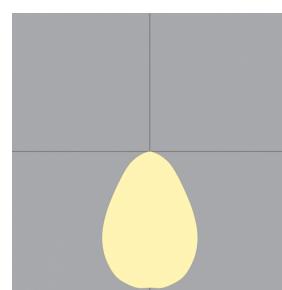
8 PERFORMANCE DATA

DIRECT COMFORT (DD4) - WHITE LOUVER



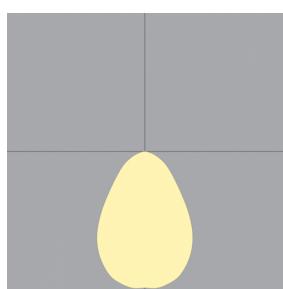
LUMEN/FT	WATT/FT	LPW
1300	13	106
1200	11	108
1000	9	110
800	7	114
700	6	115
600	5	117
500	4	119
400	3	121
300	3	126
200	2	128

DIRECT COMFORT (DD4) - BLACK LOUVER



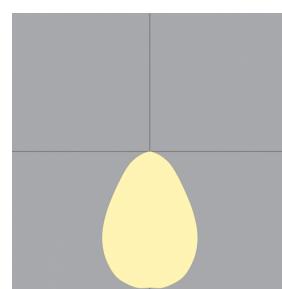
LUMEN/FT	WATT/FT	LPW
700	13	57
600	11	58
500	9	59
400	7	61
300	5	63
200	3	65

DIRECT COMFORT (DD4) - SATIN CHROME LOUVER



LUMEN/FT	WATT/FT	LPW
1000	13	84
800	9	87
700	9	89
600	7	90
500	5	93
400	4	95
300	3	95
200	2	98

DIRECT COMFORT (DD4) - SATIN GOLD LOUVER



LUMEN/FT	WATT/FT	LPW
1000	13	82
800	9	85
700	9	87
600	7	88
500	5	91
400	4	93
300	3	93
200	2	96

**DIRECT COMFORT (DD4) -
SATIN CHAMPAIGN LOUVER**

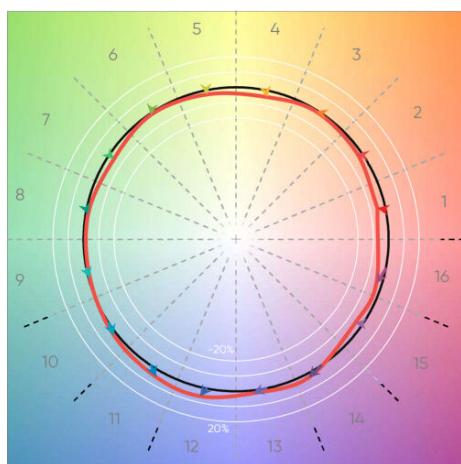
LUMEN/FT	WATT/FT	LPW	LUMEN/FT	WATT/FT	LPW
1000	13	84	1600	13	133
800	9	87	1400	10	138
700	9	89	1200	9	142
600	7	90	1000	7	245
500	5	93	800	6	247
400	4	95	600	4	151
300	3	95	400	3	154
200	2	98	200	1	154

**INDIRECT ASYMMETRIC
(UD3)**

LUMEN/FT	WATT/FT	LPW
1200	13	97
1000	10	100
800	9	102
600	6	107
400	4	107
200	2	109
		112

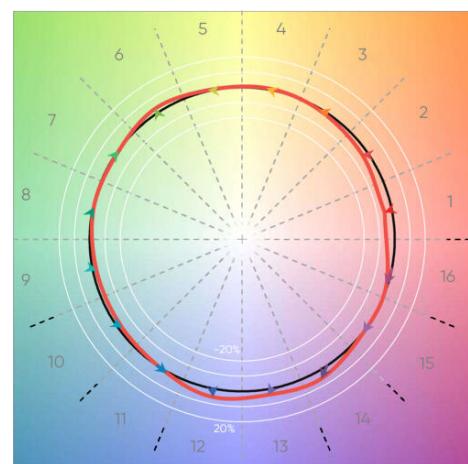
9 TM-30 DATA

CCT 2700K



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

CCT 3000K

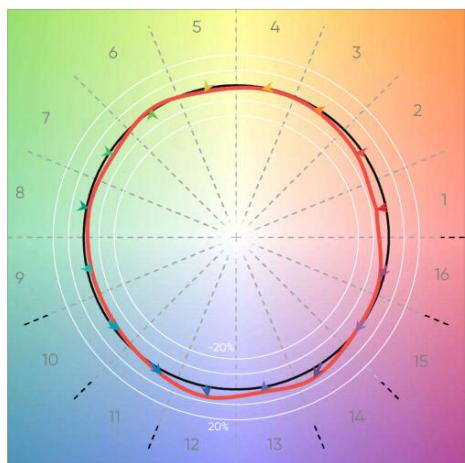


CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

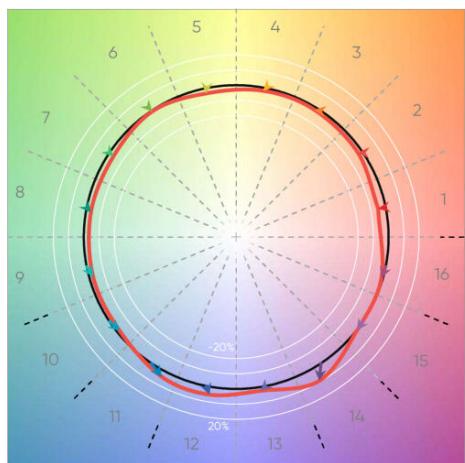
ooooh™ - SUSPENDED CONTINUOUS

FULL SPECIFICATION SHEET

CCT 3500K



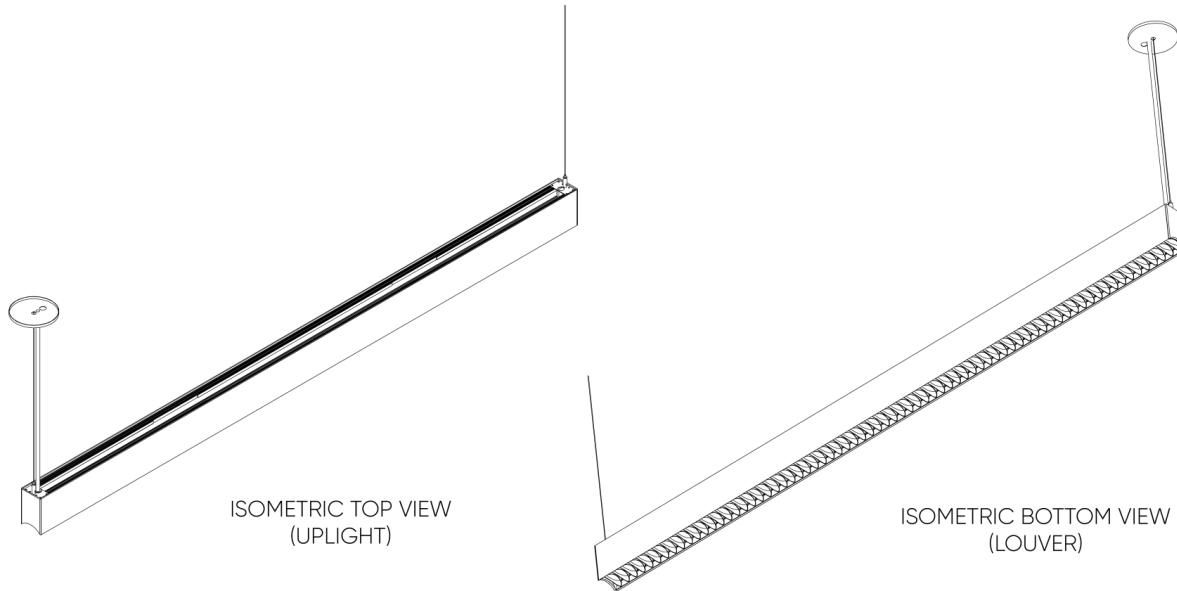
CCT 4000K



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

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

10 DIMENSIONAL DIAGRAMS



Top View
(Asymmetric Light Direction)

