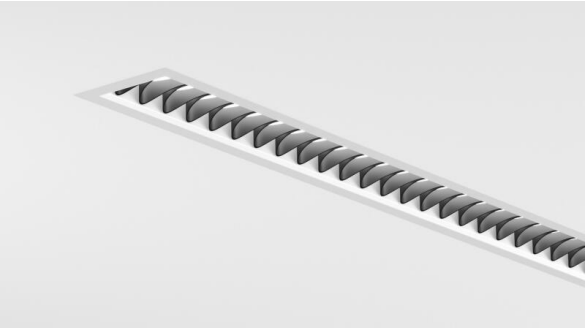
OOOOH™

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. Behind the louver system is either the Comfort diffuser which provides a softer and even distribution of light, or an asymmetric which skews the light for brightening up walls or adding to the ambient light. **OOOOH** presents a simple way to transform a functional light into a luxurious design feature.

2 OPTICS & FEATURES


Recessed


Direct DD1


Direct DD4



Bios



Declare



PoE



Tunable White

3 APPROVALS



4 GENERAL SPECIFICATION

BODY

Aluminum.

FINISH

Powder coated.

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

INTEGRAL EMERGENCY SYSTEM(E1)
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. Refer to the Emergency option notes below for wattage, configuration and regional details.

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

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

ESTIMATED L70 @25°C (77°F)
> 149,000 hrs @ 1300 lumens/ft (4300 lumens/m).

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

APPROVALS
Damp Rated.

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

LENS
Opal acrylic. 2.4" width.

GRID CEILINGS
Dimensions are nominal for grid ceiling fixtures. Fixtures are designed to fit within standard grid ceiling systems.

BIOS
For circadian lighting, consult factory.

REPORTED L70 @25°C (77°F)
> 60,000 hrs @ 1300 lumens/ft (4300 lumens/m).

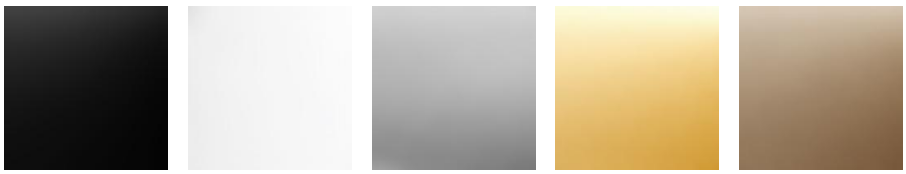
DELIVERED LUMENS
Delivered lumens & LPW based on 4000K CRI 80+

RGBW
RGBW available, consult factory.

DESIGN
US Pat. No. D969,395.

5 DESIGN OPTIONS

LOUVER



Black | White | Satin Chrome | Satin Gold | Satin Champagne

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6 HOW TO ORDER

LUMINAIRE

HLNR1R Direct

One power cord for every 50 linear feet.

LENGTH OF RUN

Minimum length to order is 4' and orders to be in 2' increments.
Example: 4' = SFG0400, 10' = SFG1000, 50' = SFG5000
For runs over 50' in length, consult factory.

SFG_ _ _ _

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.

LOUVER

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

LM/FT

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.

CRI

CR80 CRI 80+
CR90 CRI 90+

CCT

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

LENS

DD1 Asymmetric [1]
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.

VOLTAGE

V1 120/277V
V2 240V [1]
V3 347V [2]
V4 Low Voltage [3]

[1] V2 not available in North America. [2] V3 available with DA01 dimming only. [3] V4 available with DA45 dimming only.

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]
DA23 DALI DT8 Dimming 0.1% - Tunable White [1] [2]
DA45 PoE [3]

[1] Not available with V3.
[2] Only available with Tunable White.
[3] Only available with V4.

CEILING TYPE & TRIM

RT1 Tegular ceiling [1]
RT2 T-Bar ceiling [2]
RT3 Trimless [3]
RT4 Trim [3]

[1] Fixture designed to fit into a 9/16" or 15/16" standard tegular grid T-bar and through tile mount. Dimensions are nominal for grid ceiling fixtures. All fixture metalwork is white.
[2] Fixture designed to fit into a 9/16" or 15/16" standard grid T-bar and through tile mount. Dimensions are nominal for grid ceiling fixtures. All fixture metalwork is white.
[3] Fixture designed for drywall ceilings. All fixture metalwork is white.

EMERGENCY

E0 Not required
E1 Emergency system - Integral [1] [2]
E3 Emergency generated circuit [1] [2]

[1] Specify quantity of emergency sections or emergency generator circuits required based off total length of run. Not available with 347V.

[2] For North America, the minimum emergency system wattage is 10W. Refer to the fixture's lumens per watt to estimate emergency light output. The emergency system typically powers only a portion of the fixture, depending on the fixture configuration and number of drivers. Consult factory for emergency system configuration and illuminated section details.
For Europe, the emergency system wattage and configuration may vary. Consult factory for details.

Note: A drawing will be required at the time of ordering to determine the required location of the emergency sections or generator circuits.

CHICAGO PLENUM

CP0 Not required
CP1 Chicago Plenum

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7 TECHNICAL DATA

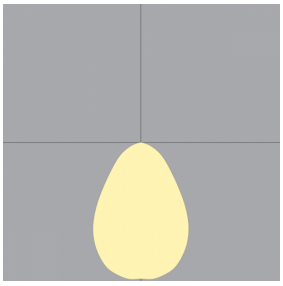
LUMINAIRE

One power cord for every 50 linear feet.

Code	**HLNR1R**
Light Direction	Direct

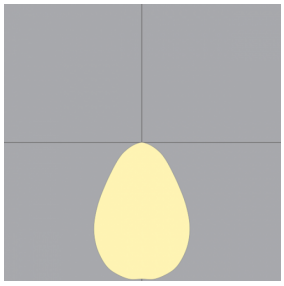
8 PERFORMANCE DATA

DIRECT COMFORT (DD4) - WHITE LOUVER



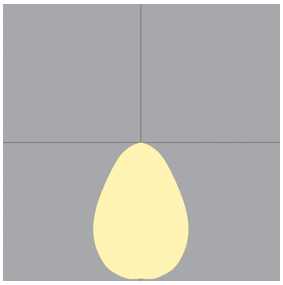
LUMEN/FT	WATT/FT	LPW
1300	13	106
1200	11	108
1000	9	110
800	7	114
700	6	115
600	5	117
500	4	119
400	3	121
300	3	126
200	2	128

DIRECT COMFORT (DD4) - BLACK LOUVER



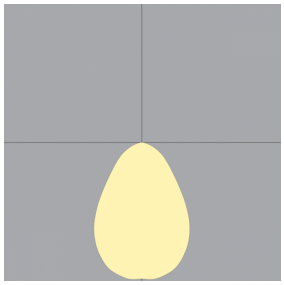
LUMEN/FT	WATT/FT	LPW
700	13	57
600	11	58
500	9	59
400	7	61
300	5	63
200	3	65

DIRECT COMFORT (DD4) - SATIN CHROME LOUVER



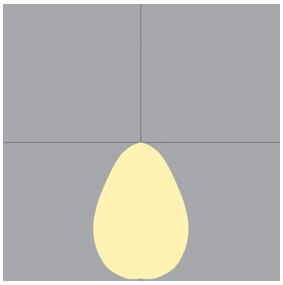
LUMEN/FT	WATT/FT	LPW
1000	13	84
800	9	87
700	9	89
600	7	90
500	5	93
400	4	95
300	3	95
200	2	98

DIRECT COMFORT (DD4) - SATIN GOLD LOUVER



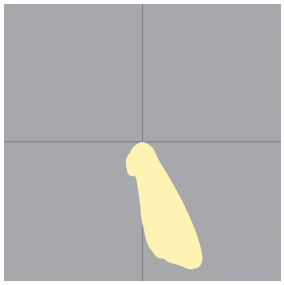
LUMEN/FT	WATT/FT	LPW
1000	13	82
800	9	85
700	9	87
600	7	88
500	5	91
400	4	93
300	3	93
200	2	96

DIRECT COMFORT (DD4) - SATIN CHAMPAGNE 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 ASYMMETRIC (DD1) - WHITE LOUVER

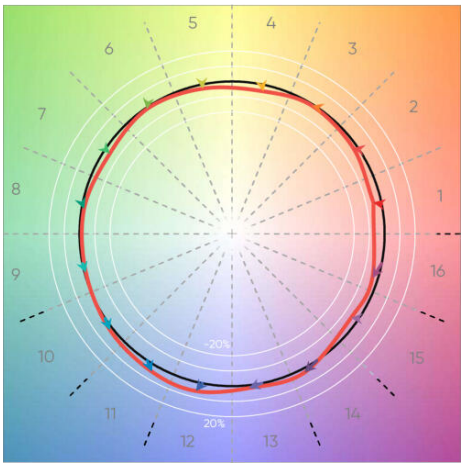


LUMEN/FT	WATT/FT	LPW
1200	13	100
1000	11	101
800	9	105
700	7	107
600	6	108
500	5	110
400	4	112
300	3	113
200	2	116

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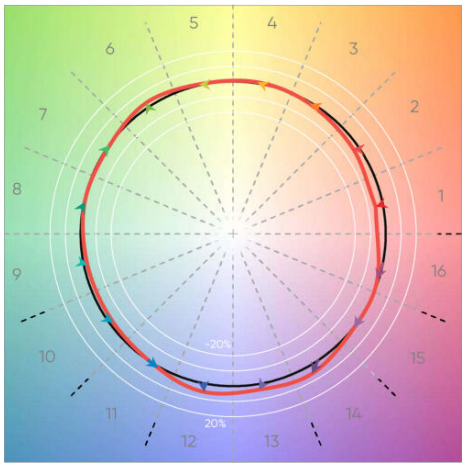
9 TM-30 DATA

CCT 2700K



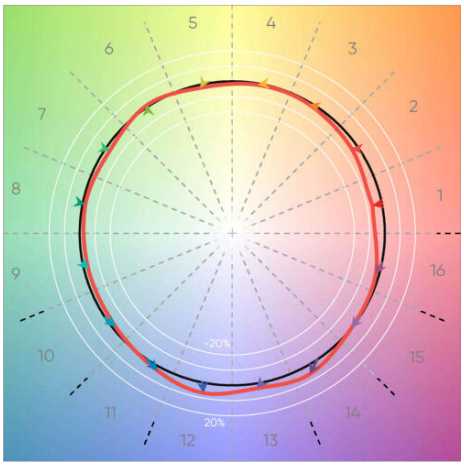
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



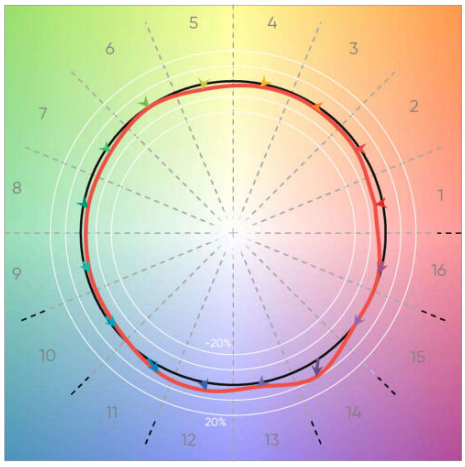
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



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

CCT 4000K

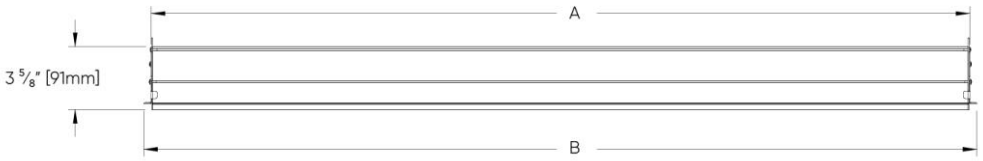


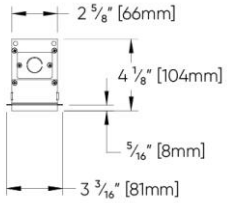
CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

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10 DIMENSIONAL DIAGRAMS

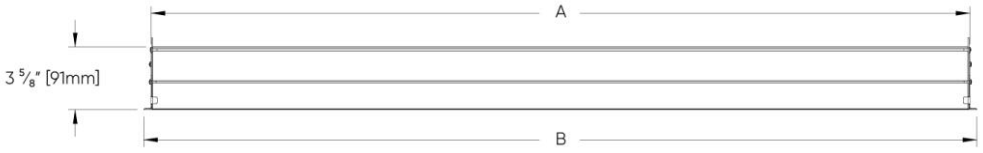
Grid Ceiling - Tegular ceiling (RT1)

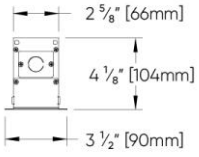




Length of run	A	B
4FT	46 7/8" [1191 mm]	47 11/16" [1212 mm]
6FT	70 7/8" [1800mm]	71 11/16" [1821mm]
8FT	94 7/8"" [2409mm]	95 11/16" [2430mm]
10FT	118 7/8" [3018mm]	119 11/16" [3039mm]
12FT	142 7/8" [3627mm]	143 11/16" [3648mm]

Grid Ceiling - T-bar ceiling (RT2)

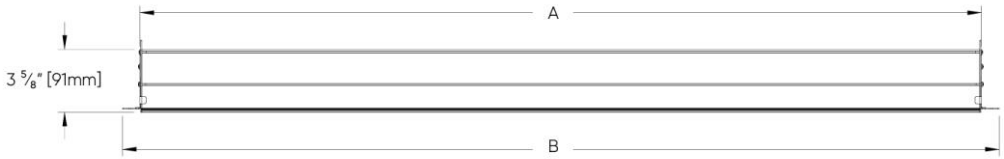


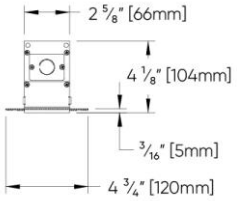


Length of run	A	B
4FT	46 7/8" [1191 mm]	47 11/16" [1212 mm]
6FT	70 7/8" [1800mm]	71 11/16" [1821mm]
8FT	94 7/8"" [2409mm]	95 11/16" [2430mm]
10FT	118 7/8" [3018mm]	119 11/16" [3039mm]
12FT	142 7/8" [3627mm]	143 11/16" [3648mm]

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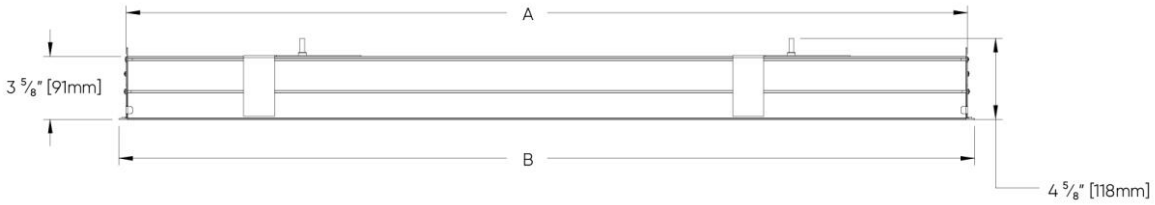
Hard Ceiling - Trimless (RT3)

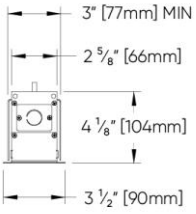




Length of run	A	B
4FT	48 3/16" [1224 mm]	50 3/16" [1275 mm]
6FT	72 3/16" [1833 mm]	74 3/16" [1884mm]
8FT	96 3/16" [2442mm]	98 3/16" [2493mm]
10FT	120 3/16" [3051mm]	122 3/16" [3102mm]
12FT	144 3/16" [3660mm]	146 3/16" [3711mm]

Hard Ceiling - Trim (RT4)





Length of run	A	B
4FT	48 3/16" [1224 mm]	49" [1245 mm]
6FT	72 3/16" [1833 mm]	73" [1854mm]
8FT	96 3/16" [2442mm]	97" [2464mm]
10FT	120 3/16" [3051mm]	121" [3173mm]
12FT	144 3/16" [3660mm]	145" [3683mm]

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