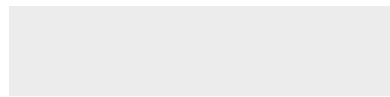
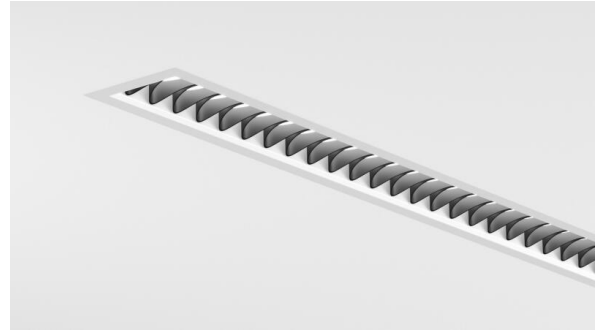


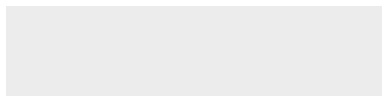


OOOOH™

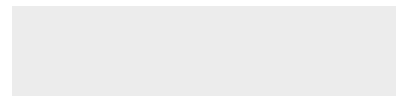
FULL SPECIFICATION SHEET



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.

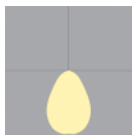
2 OPTICS & FEATURES



Recessed



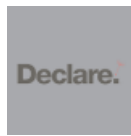
Direct DD1



Direct DD4



Bios



Declare



PoE



Tunable White

3 APPROVALS



DAMP
LOCATION



IP20

4 GENERAL SPECIFICATION

BODY

Aluminum.

DRIVERS

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

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.

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.

FINISH

Powder coated.

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

6 HOW TO ORDER

1. LUMINAIRE

HLNR1R Direct

.One power cord for every 50 linear feet.

2. LENGTH OF RUN

Minimum length to order is 4ft and orders to be in 2ft increments.

Example: 4ft = SFG0400

Example: 10ft = SFG1000

Example: 50ft = SFG5000

For runs over 50ft in length, consult factory.

SFG_ _ _ _

Minimum length to order is 4ft and orders to be in 2ft increments.

Example: 4ft = SFG0400

Example: 10ft = SFG1000

Example: 50ft = SFG5000

For runs over 50ft in length, consult factory.

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

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. CRI

CR80 CRI 80+	CR90 CRI 90+
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7. CCT

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

¹ Consult factory.

8. LENS

DD1 Asymmetric ¹	DD4 Comfort
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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.

9. VOLTAGE

V1 120/277V	V2 240V ¹	V3 347V ²	V4 Low Voltage ³
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¹ V2 not available in North America.

² V3 available with DA01 dimming only.

³ V4 available with DA45 dimming only.

10. 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.

11. CEILING TYPE & TRIM

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

12. EMERGENCY

EO Not required	E1 Emergency system – Integral ¹	E3 Emergency generated 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.

13. CHICAGO PLENUM

CP0 Not required	CP1 Chicago Plenum
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7

TECHNICAL DATA

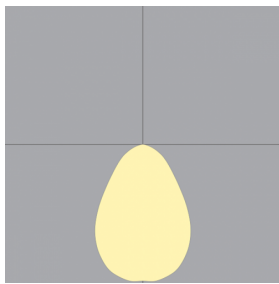
LUMINAIRE

.One power cord for every 50 linear feet.

Code	HLNR1R
Light Direction	Direct

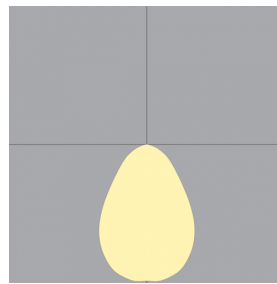
8 PERFORMANCE DATA

**DIRECT COMFORT (DD4) -
WHITE LOUVER**



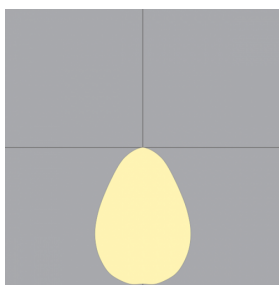
LUMEN/FT	WATT/FT	LPW
1300	13	106
1200	11	108
1000	9	110
800	7	114
700	6	115
600	5	117
500	4	119
400	3	121
300	3	126
200	2	128

**DIRECT COMFORT (DD4) -
BLACK LOUVER**



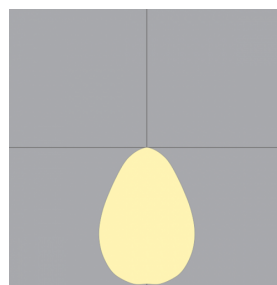
LUMEN/FT	WATT/FT	LPW
700	13	57
600	11	58
500	9	59
400	7	61
300	5	63
200	3	65

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



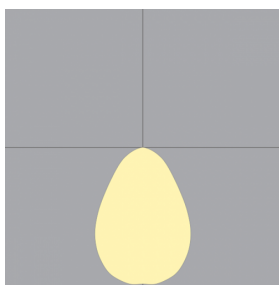
LUMEN/FT	WATT/FT	LPW
1000	13	84
800	9	87
700	9	89
600	7	90
500	5	93
400	4	95
300	3	95
200	2	98

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



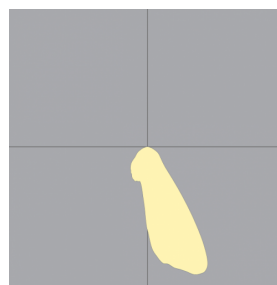
LUMEN/FT	WATT/FT	LPW
1000	13	82
800	9	85
700	9	87
600	7	88
500	5	91
400	4	93
300	3	93
200	2	96

**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

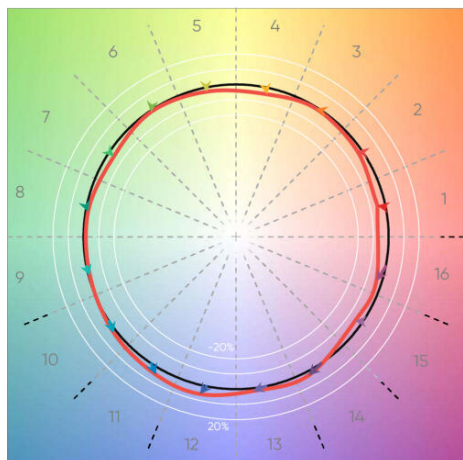
**DIRECT ASYMMETRIC (DD1) -
WHITE LOUVER**



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

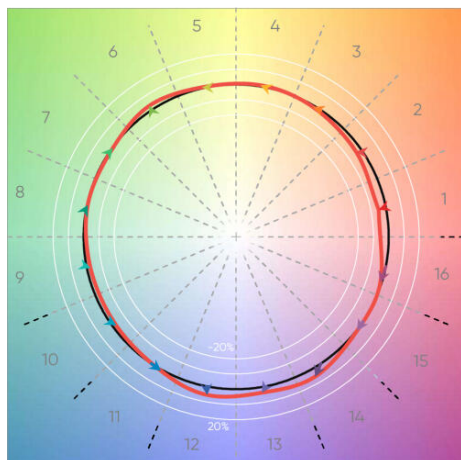
9 TM-30 DATA

CCT 2700K



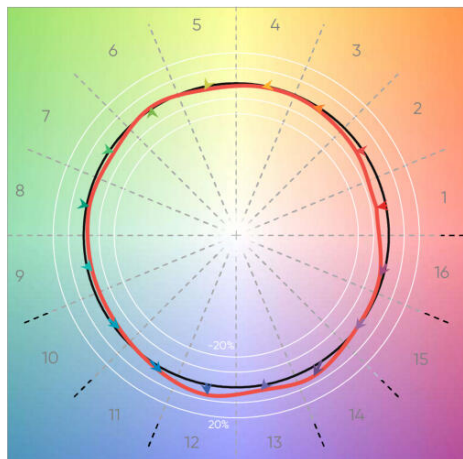
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



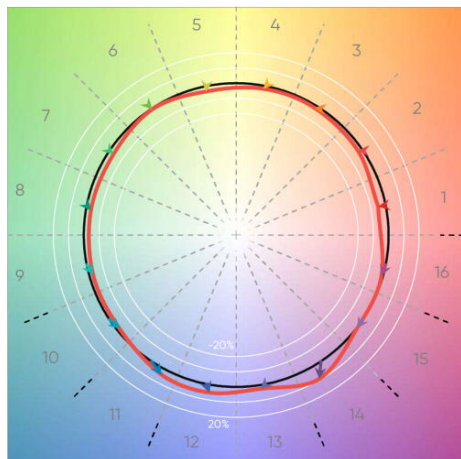
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



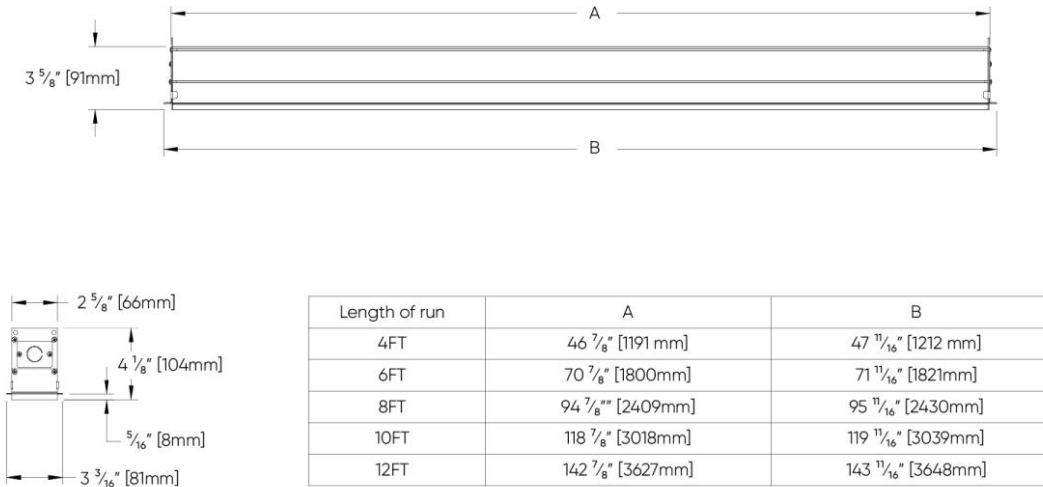
CRI(Ra)	91
CRI(R9)	53
TM30(Rf)	90
TM30(Rg)	99
Duv	-0.0007

CCT 4000K

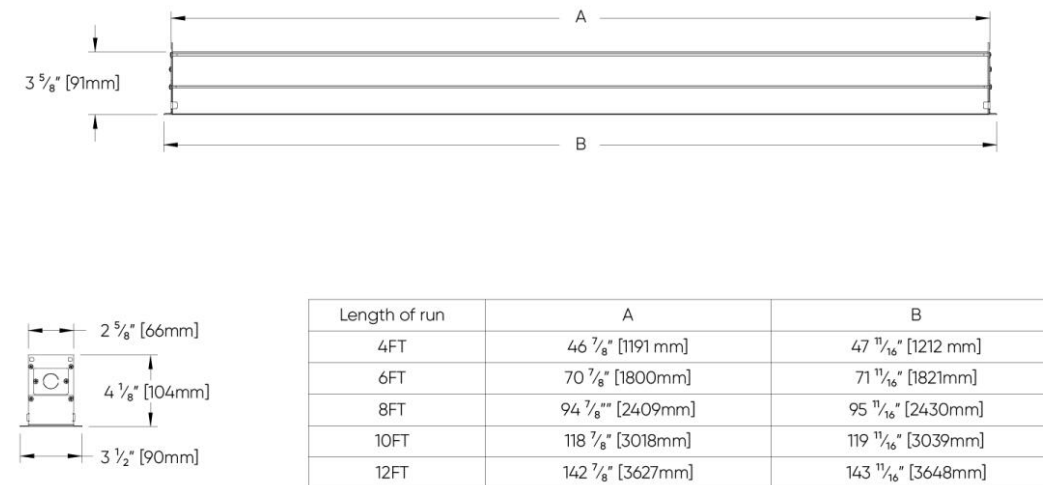


CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

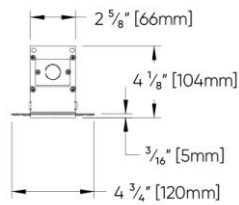
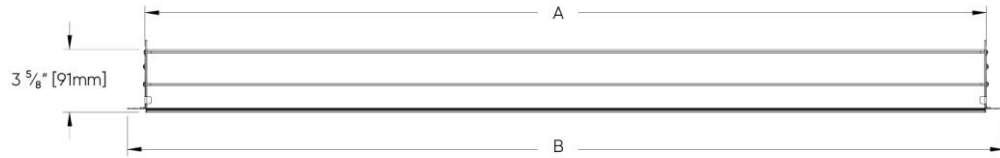
Grid Ceiling - Tegular ceiling (RT1)



Grid Ceiling - T-bar ceiling (RT2)

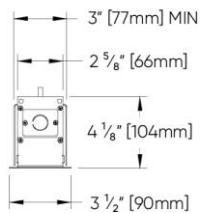
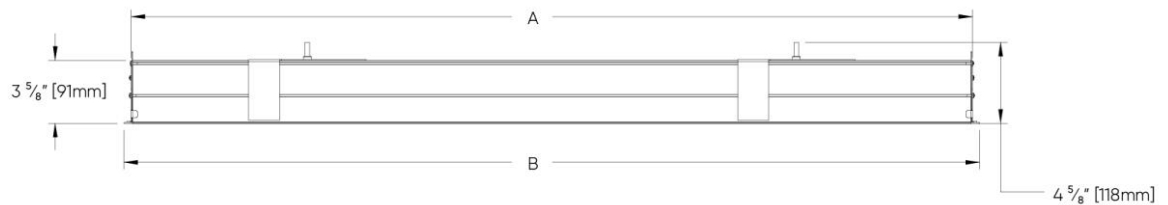


Hard Ceiling - Trimless (RT3)



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]