

Fixture Type

Fixture Code

Quantities

DESCRIPTION

With a lens only 2" in width, FLUTE is our narrowest linear recessed yet. FLUTE Recessed offers a slimline aesthetic that does not compromise on performance and delivers up to 135 lumens per watt. Standalone lengths up to 12' are available, as well as continuous runs up to 50' on a single circuit. Use a combination of lengths to create digital-age design effects on the ceiling or long lines of light for ambient illumination or wayfinding.

OPTICS & FEATURES









Declare





APPROVALS













4 GENERAL SPECIFICATION

BODY

Aluminum.

POE

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

LENS

Opal acrylic. Supplied with a seamless roll (up to 24ft), to be trimmed and installed in the field.

REPORTED L70 @25°C (77°F)

>108000 hrs @1400 lms/ft (4600 lm/m)

REMOTE EMERGENCY

Emergency option provides a 1.5 hour (3hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch. Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied).

TUNABLE WHITE

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

DESIGN

US Pat. No. D967,491 US Pat. No. D969,389

FINISH

Powder coated.

BIOS

For circadian lighting, consult factory.

DRIVERS

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

ESTIMATED L70 @25°C (77°F)

>196000 hrs @1400 lms/ft (4600 lm/m)

DELIVERED LUMENS

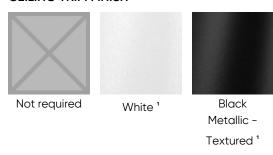
Delivered lumens & LPW based on 4000K CRI 80+

APPROVALS

Damp Rated.

5 DESIGN OPTIONS

CEILING TRIM FINISH



¹ Required for RT4 only.

6 HOW TO ORDER

1. LUMINAIRE

BLFR2R Direct

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

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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, the longest available segment is 12ft and the run would consist of three 12ft segments and one 4ft. For special requirements, please contact sales@betacalco.com.

4. LUMENS/FT

LPF020 200 lm/ft **LPF040** 400 lm/ft **LPF060** 600 lm/ft **LPF080** 800 lm/ft

5. CRI

CR80 CRI 80+ CR90 CRI 90+

6. CCT

CTA27 2700K CTA30 3000K CTA35 3500K CTA40 4000K

CTA60 Tunable White 1

7. LENS

DD2 Batwing **DD4** Comfort

Supplied with a seamless roll (up to 24ft), to be trimmed and installed in the field.

8. VOLTAGE

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

¹ Consult factory.

¹ V2 not available in North America.

² V3 available with DA01 dimming only.

³ V4 available with DA45 dimming only.



| | IM | | |
|--|----|--|--|
| | | | |
| | | | |

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

10. CEILING TYPE & TRIM

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

11. CEILING TRIM FINISH

FA00 Not required **FA01** White ¹ **FA02** Black Metallic - Textured ¹

12. EMERGENCY

E0 Not required **E1** Emergency system - Integral ¹

13. CHICAGO PLENUM

CP0 Not required **CP1** Chicago Plenum

¹ Not available with V3.

² Not available in North America.

³ Only available with V4.

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 and concrete ceilings.

¹ Required for RT4 only.

¹ A drawing will be required at the time of ordering to determine the required number and location of the emergency sections. ¹ Available upon request, consult factory for details. Not available with 347V.

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TECHNICAL DATA

LUMINAIRE

Data shown based on max values, consult Performance Data download for more details. One power cord for every 50 linear feet.

CodeBLFR2RLight DirectionDirectLms/Ft1400Watts/Ft13LPW135

8 PERFORMANCE DATA

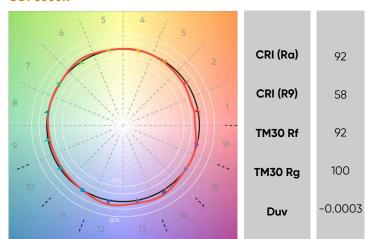
| DIRECT COMFORT (DD4) | LUMEN/FT | WATT/FT | LPW |
|----------------------|----------|---------|-----|
| | 1400 | 13 | 109 |
| | 1200 | 11 | 112 |
| | 1000 | 9 | 115 |
| | 800 | 7 | 118 |
| | 600 | 5 | 123 |
| | 400 | 3 | 128 |
| | 200 | 2 | 135 |

9 TM-30 DATA

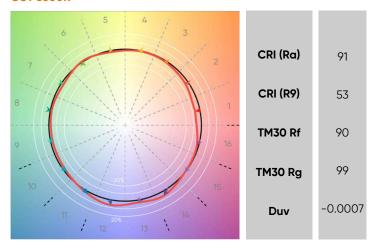
CCT 2700K

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

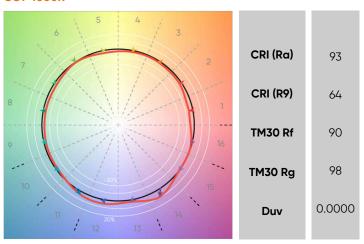
CCT 3000K



CCT 3500K



CCT 4000K

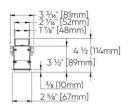


10 DIMENSIONAL DIAGRAMS

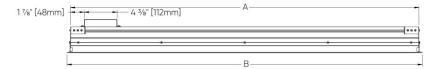
Grid Ceiling - Tegular ceiling



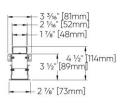
| Max Length (Per section) | | В |
|-----------------------------|---|---|
| 4ft | 46 ¹³ / ₁₆ " [1189mm] | 47 11/16" [1212mm] |
| 6ft | 70 ¹³ /16" [1791mm] | 71 ¹¹ / ₁₆ " [1821mm] |
| 8ft | 94. ¹³ /16" [2408mm] | 95 11/16" [2431mm] |
| 10ft | 118 ¹³ /16" [3018mm] | 119 11/16" [3040mm] |
| 12ft | 142 ¹³ /16" [3627mm] | 143 11/16" [3650mm] |



Grid Ceiling - T-bar ceiling



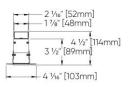
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| 10ft | 118 13/16" [3018mm] | 119 11/16" [3040mm] |
| 12ft | 142 ¹³ /16" [3627mm] | 143 11/16" [3650mm] |



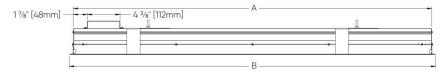
Hard Ceiling - Trimless



| Max Length (Per section) | А | В |
|-----------------------------|-------------------|-------------------|
| 4ft | 48 1/8" [1222mm] | 50 1/8" [1273mm] |
| 6ft | 72 1/8" [1831mm] | 74 1/8" [1882mm] |
| 8ft | 96 1/8" [2431mm] | 98 1/8" [2492mm] |
| 10ft | 120 1/8" [3050mm] | 122 1/8" [3040mm] |
| 12ft | 144 1/8" [3660mm] | 146 1/8" [3711mm] |



Hard Ceiling - Trim



| Max Length (Per section) | А | В |
|-----------------------------|-------------------|-------------------|
| 4ft | 48 1/8" [1222mm] | 50 1/8" [1273mm] |
| 6ft | 72 1/8" [1831mm] | 74 1/8" [1882mm] |
| 8ft | 96 1/8" [2431mm] | 98 1/8" [2492mm] |
| 10ft | 120 1/8" [3050mm] | 122 1/8" [3040mm] |
| 12ft | 144 1/8" [3660mm] | 146 1/8" [3711mm] |

