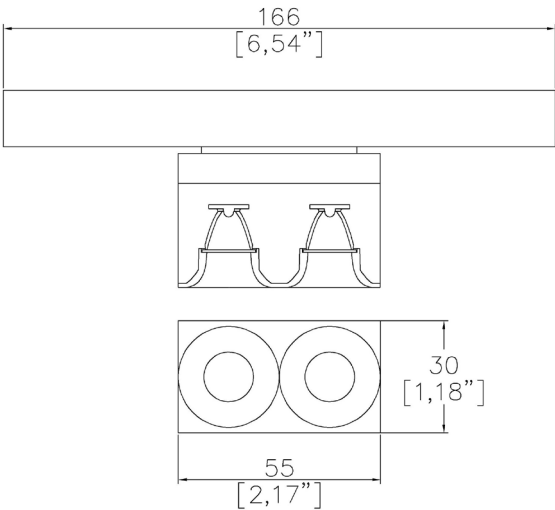


# FineLine System

## Line 2LED Flare



55 x 30mm (2.17" x 1.18") overall dimension.  
Linear Downlight for use in FineLine Profile system.  
Family of matching products also available.



2602-FL-FLS

|                         |         |         |         |
|-------------------------|---------|---------|---------|
| LED Source              | LED     | LED     | LED     |
| CCT                     | 3000K   | 3000K   | 3000K   |
| Drive Current           | 700mA   | 700mA   | 700mA   |
| Power inc Driver        | 5.2W    | 5.2W    | 5.2W    |
| Beam Angle              | 12°     | 34°     | 48°     |
| Delivered Lumens        | 266     | 297     | 308     |
| Delivered Intensisty cd | 2829    | 955     | 621     |
| Efficacy lm/w           | 52      | 57      | 60      |
| Forward Volt            | 6V      | 6V      | 6V      |
| CRI                     | ≥90 CRI | ≥90 CRI | ≥90 CRI |

Project Ref: \_\_\_\_\_ Location Ref: \_\_\_\_\_

Fixture Order Code: 2602-FL-FLS - - - - -

Fixture  
2602-FL-FLS

Line 2LED Flared Baffle FineLine Sytem

CCT  
27  
30  
40

90 CRI 2700K  
90 CRI 3000K  
90 CRI 4000K

Finish  
BK

Black

Beam  
12  
34  
48

12°  
34°  
48°

Protocol  
S  
A  
D  
B

Non-Dim  
Analogue (0-10v)  
DALI  
Bluetooth\*\*

Drive Current  
350  
500  
700

350mA  
500mA  
700mA

Please refer to installation instruction for wiring diagram

Technical Details

Dimming. Whilst Lucent can offer the majority of its luminaires with various dimming options, it remains the responsibility of the specifier/installer to check and ensure compatibility of any control equipment used. Additional cabling may be required depending on the dimming protocol specified.

\*\*Bluetooth (wireless) is the communication method. The exact dimming protocol must be confirmed to allow the selection of suitable drivers or bluetooth devices.

First Fix Requirement. Luminaire for use in Lucent FineLine Profile System. Please refer to the system installation instructions for details.  
IP Rating. Tested from underside of the ceiling

It is the policy of Lucent Lighting to continually review and improve its products and therefore reserve the right to change any details of product or withdraw specifications without prior notice.

Luminaires designed to comply with EN60598 and all other standards.

This specification sheet superseded all previous versions.

All intellectual property rights pertaining to the product described above and to this document are owned by or licensed to Lucent Lighting Ltd.

We reserve the right to take whatever action is necessary to protect those intellectual property rights.

Please notify Lucent Lighting Ltd of any inaccuracies immediately. E&OE

## Light efficiency:

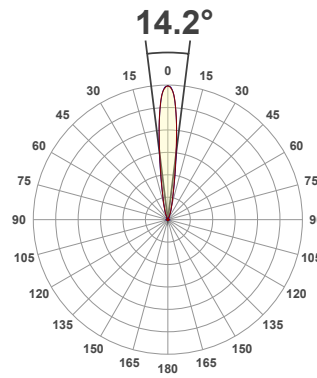
**52 Lumen/Watt**

## Light quality:

**CRI: 90.8**

## Color temperature:

**3000 K**



## Product name:

**Line 2LED Flare, 3000K, 12°, 700mA**

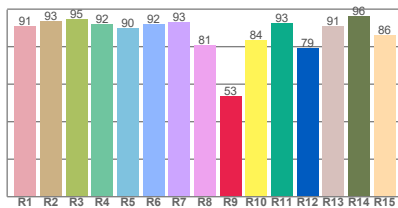
## Item number:

**2602-FL-30-12-700mA**

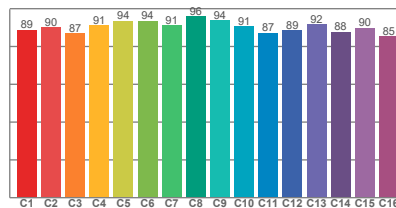
**Delivered information for above fixture and LED combination.**

**Output: 266 Lumen    Peak intensity: 2829 cd    Power consumption: 5.2**

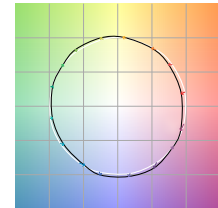
CRI R values



TM30 C Values

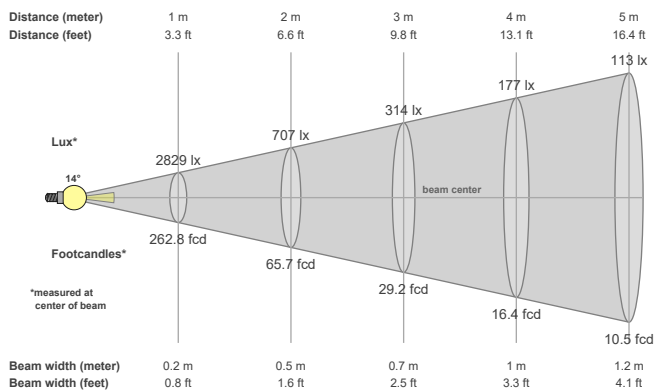


Color vector graphics



| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | Δuv                             |
| 3000 K            | 90.8                  | 53.5          | 90.3           | 99.5        | 89.8                | 0.437                     | 0.404                     | 0.253            | 0.351            | 0.0020                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 14.2°          | 31.5°           | 45.1°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 2829 cd        | 99.7%                   | 99.5%                  |

## Beam intensities from 1-20m

| 1m       | 2m      | 3m      | 4m      | 5m      | 6m     | 7m     | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft    | 6.6ft   | 9.8ft   | 13.1ft  | 16.4ft  | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 2829lx   | 707lx   | 314lx   | 177lx   | 113lx   | 79lx   | 58lx   | 44lx   | 35lx   | 28lx   | 23lx   | 20lx   | 17lx   | 14lx   | 13lx   | 11lx   | 10lx   | 9lx    | 8lx    | 7lx    |
| 262.8fcd | 65.7fcd | 29.2fcd | 16.4fcd | 10.5fcd | 7.3fcd | 5.4fcd | 4.1fcd | 3.2fcd | 2.6fcd | 2.2fcd | 1.8fcd | 1.6fcd | 1.3fcd | 1.2fcd | 1fcd   | 0.9fcd | 0.8fcd | 0.7fcd | 0.7fcd |

The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

For information regarding other colour temperatures please use the following factors for lumen output and candelas:

2700K = 0.82

4000K = 1.11

## Light efficiency:

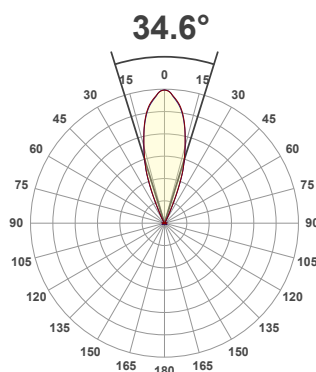
**57 Lumen/Watt**

## Light quality:

**CRI: 90.8**

## Color temperature:

**3000 K**



## Product name:

**Line 2LED Flare, 3000K, 34°, 700mA**

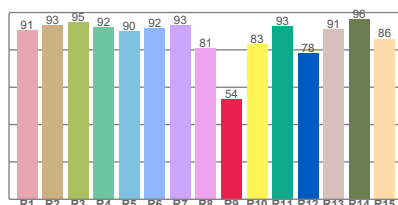
## Item number:

**2602-FL-30-34-700mA**

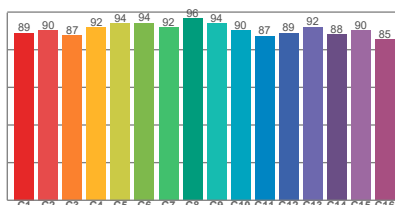
**Delivered information for above fixture and LED combination.**

**Output: 297 Lumen    Peak intensity: 955 cd    Power consumption: 5.2**

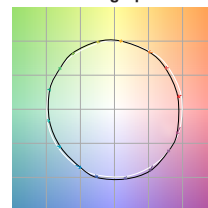
CRI R values



TM30 C Values

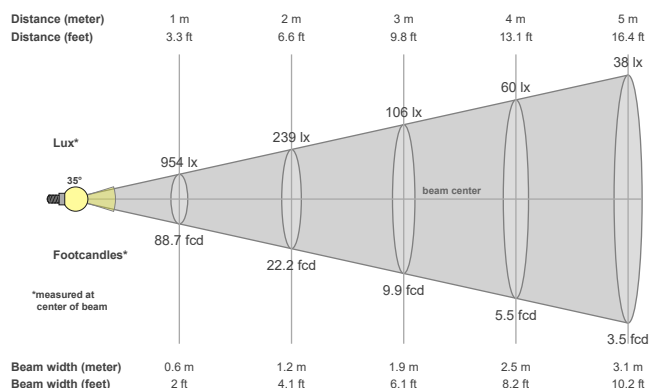


Color vector graphics



| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | Δuv                             |
| 3000 K            | 90.8                  | 53.8          | 90.6           | 99.2        | 90.0                | 0.437                     | 0.404                     | 0.251            | 0.351            | 0.0027                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 34.6°          | 49.9°           | 57°               |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 955 cd         | 99.7%                   | 99.5%                  |

## Beam intensities from 1-20m

| 1m      | 2m      | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft   | 6.6ft   | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 954lx   | 239lx   | 106lx  | 60lx   | 38lx   | 27lx   | 19lx   | 15lx   | 12lx   | 10lx   | 8lx    | 7lx    | 6lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 3lx    | 2lx    |
| 88.7fcd | 22.2fcd | 9.9fcd | 5.5fcd | 3.5fcd | 2.5fcd | 1.8fcd | 1.4fcd | 1.1fcd | 0.9fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.5fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd |

The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

For information regarding other colour temperatures please use the following factors for lumen output and candelas:

2700K = 0.82

4000K = 1.11

## Light efficiency:

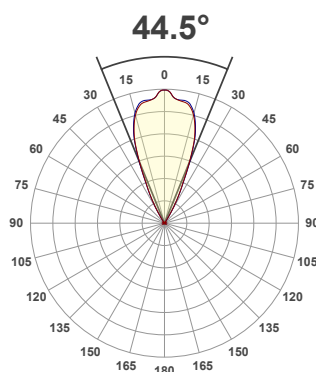
**60 Lumen/Watt**

## Light quality:

**CRI: 90.5**

## Color temperature:

**3000 K**



## Product name:

**Line 2LED Flare, 3000K, 48°, 700mA**

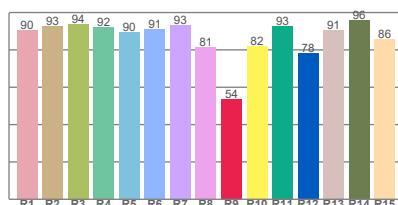
## Item number:

**2602-FL-30-48-700mA**

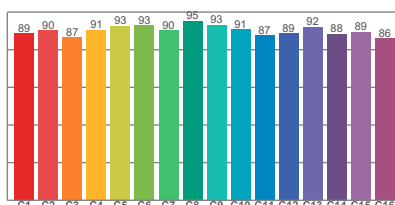
**Delivered information for above fixture and LED combination.**

**Output: 308 Lumen    Peak intensity: 621 cd    Power consumption: 5.2**

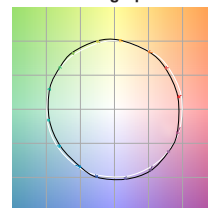
## CRI R values



## TM30 C Values

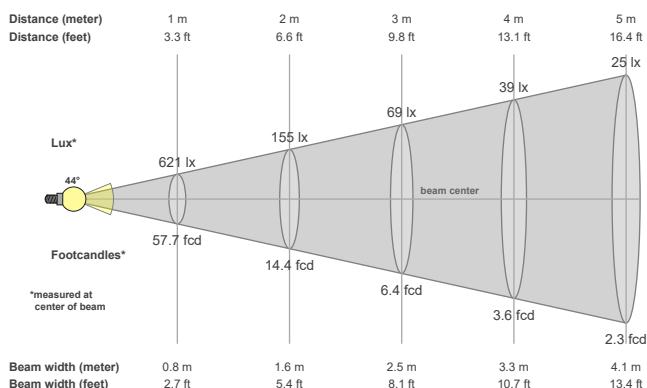


## Color vector graphics



| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | Δuv                             |
| 3000 K            | 90.5                  | 53.7          | 90.1           | 99.6        | 89.8                | 0.437                     | 0.404                     | 0.250            | 0.350            | 0.0027                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 44.5°          | 61.1°           | 67.5°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 621 cd         | 99.5%                   | 99.3%                  |

## Beam intensities from 1-20m

| 1m      | 2m      | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft   | 6.6ft   | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 621lx   | 155lx   | 69lx   | 39lx   | 25lx   | 17lx   | 13lx   | 10lx   | 8lx    | 6lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 2lx    | 2lx    |
| 57.7fcd | 14.4fcd | 6.4fcd | 3.6fcd | 2.3fcd | 1.6fcd | 1.2fcd | 0.9fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.1fcd |

The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

For information regarding other colour temperatures please use the following factors for lumen output and candelas:

2700K = 0.82

4000K = 1.11