

**Light efficiency:**

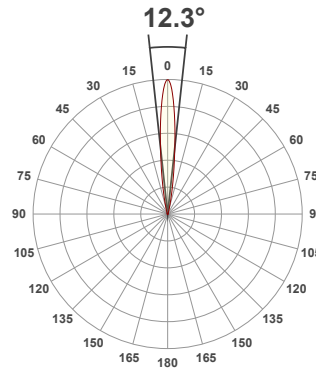
**57 Lumen/Watt**

**Light quality:**

**CRI: 91.3**

**Color temperature:**

**3000 K**



**Product name:**

**SF70100 - LED51\_3-30-SP-SL - 200mA**

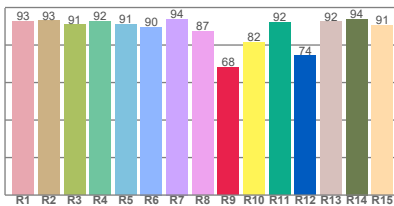
**Item number:**

**Soft70 Deep Fixed - LED51/3-30-SP-SL - 200mA**

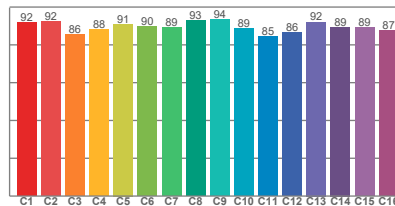
**Delivered information for above fixture and LED combination.**

**Output: 486 Lumen    Peak intensity: 6619 cd    Power consumption: 8.5**

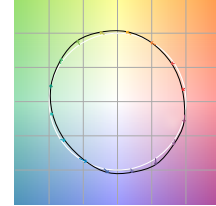
**CRI R values**



**TM30 C Values**

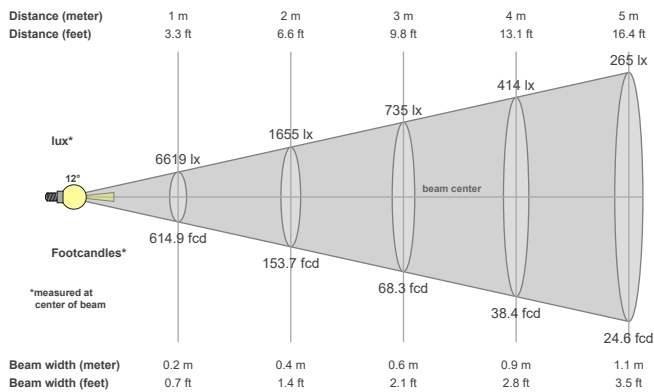


**Color vector graphics**



| 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            | 91.3                  | 68.2          | 89.6           | 102.5       | 88.9                | 0.437                     | 0.404                     | 0.251            | 0.348            | -0.0002                         |

**Beam details**



**Beam angels**

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 12.3°          | 25.2°           | 38.8°             |

**Beam intensities**

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 6619 cd        | 98.5%                   | 96.7%                  |

**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 |
| 6619lx   | 1655lx   | 735lx   | 414lx   | 265lx   | 184lx   | 135lx   | 103lx  | 82lx   | 66lx   | 55lx   | 46lx   | 39lx   | 34lx   | 29lx   | 26lx   | 23lx   | 20lx   | 18lx   | 17lx   |
| 614.9fcd | 153.7fcd | 68.3fcd | 38.4fcd | 24.6fcd | 17.1fcd | 12.5fcd | 9.6fcd | 7.6fcd | 6.1fcd | 5.1fcd | 4.3fcd | 3.6fcd | 3.1fcd | 2.7fcd | 2.4fcd | 2.1fcd | 1.9fcd | 1.7fcd | 1.5fcd |

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 refer to ies/ldt files available on the website.

## Light planning Glare Evaluation According to UGR

|                                                                 |     |                                                   |      |      |      |      |                                         |      |      |      |      |
|-----------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|-----------------------------------------|------|------|------|------|
| p Ceiling                                                       |     | 70                                                | 70   | 50   | 50   | 30   | 70                                      | 70   | 50   | 50   | 30   |
| p Walls                                                         |     | 50                                                | 30   | 50   | 30   | 30   | 50                                      | 30   | 50   | 30   | 30   |
| p Floor                                                         |     | 20                                                | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   |
| Room size<br>X      Y                                           |     | Viewing direction at right angles to<br>lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |
| 2H                                                              | 2H  | 8.0                                               | 8.3  | 8.1  | 8.5  | 8.7  | 8.0                                     | 8.3  | 8.1  | 8.5  | 8.7  |
|                                                                 | 3H  | 8.9                                               | 9.4  | 9.3  | 9.6  | 9.8  | 8.9                                     | 9.4  | 9.3  | 9.6  | 9.8  |
|                                                                 | 4H  | 9.3                                               | 9.8  | 9.7  | 10.0 | 10.3 | 9.3                                     | 9.8  | 9.7  | 10.0 | 10.3 |
|                                                                 | 6H  | 9.6                                               | 10.0 | 9.9  | 10.3 | 10.7 | 9.6                                     | 10.0 | 9.9  | 10.3 | 10.7 |
|                                                                 | 8H  | 9.7                                               | 10.1 | 10.0 | 10.4 | 10.8 | 9.7                                     | 10.1 | 10.0 | 10.4 | 10.8 |
|                                                                 | 12H | 9.8                                               | 10.2 | 10.1 | 10.5 | 10.9 | 9.8                                     | 10.2 | 10.1 | 10.5 | 10.9 |
| 4H                                                              | 2H  | 8.3                                               | 8.8  | 8.7  | 9.0  | 9.3  | 8.3                                     | 8.8  | 8.7  | 9.0  | 9.3  |
|                                                                 | 3H  | 9.6                                               | 10.0 | 10.0 | 10.4 | 10.8 | 9.6                                     | 10.0 | 10.0 | 10.4 | 10.8 |
|                                                                 | 4H  | 10.1                                              | 10.4 | 10.5 | 10.8 | 11.3 | 10.1                                    | 10.4 | 10.5 | 10.8 | 11.3 |
|                                                                 | 6H  | 10.4                                              | 10.8 | 10.9 | 11.1 | 11.5 | 10.4                                    | 10.8 | 10.9 | 11.1 | 11.5 |
|                                                                 | 8H  | 10.5                                              | 10.9 | 11.0 | 11.2 | 11.6 | 10.5                                    | 10.9 | 11.0 | 11.2 | 11.6 |
|                                                                 | 12H | 10.6                                              | 10.9 | 11.1 | 11.3 | 11.8 | 10.6                                    | 10.9 | 11.1 | 11.3 | 11.8 |
| 8H                                                              | 4H  | 10.2                                              | 10.6 | 10.7 | 10.9 | 11.3 | 10.2                                    | 10.6 | 10.7 | 10.9 | 11.3 |
|                                                                 | 6H  | 10.6                                              | 10.9 | 11.1 | 11.3 | 11.8 | 10.6                                    | 10.9 | 11.1 | 11.3 | 11.8 |
|                                                                 | 8H  | 10.9                                              | 11.0 | 11.4 | 11.6 | 12.2 | 10.9                                    | 11.0 | 11.4 | 11.6 | 12.2 |
|                                                                 | 12H | 11.1                                              | 11.2 | 11.7 | 11.8 | 12.4 | 11.1                                    | 11.2 | 11.7 | 11.8 | 12.4 |
| 12H                                                             | 4H  | 10.1                                              | 10.5 | 10.7 | 10.9 | 11.3 | 10.1                                    | 10.5 | 10.7 | 10.9 | 11.3 |
|                                                                 | 6H  | 10.7                                              | 10.9 | 11.2 | 11.4 | 12.0 | 10.7                                    | 10.9 | 11.2 | 11.4 | 12.0 |
|                                                                 | 8H  | 10.9                                              | 11.1 | 11.5 | 11.6 | 12.2 | 10.9                                    | 11.1 | 11.5 | 11.6 | 12.2 |
| Variation of the observer position for the luminaire distance S |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                        |     | 0.5 / -0.2                                        |      |      |      |      | 0.5 / -0.2                              |      |      |      |      |
| S = 1.5H                                                        |     | 1.1 / -0.5                                        |      |      |      |      | 1.1 / -0.5                              |      |      |      |      |
| S = 2.0H                                                        |     | 1.8 / -0.9                                        |      |      |      |      | 1.8 / -0.9                              |      |      |      |      |
| Corrected glare indices referring to 486 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |