

## Light efficiency:

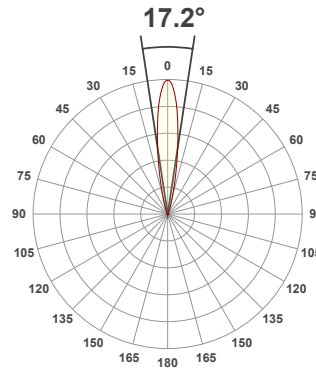
**131 Lumen/Watt**

## Light quality:

**CRI: 94.5**

## Color temperature:

**3000 K**



## Product name:

**SF70100 - LED51\_Q-HE-30-NF - 200mA**

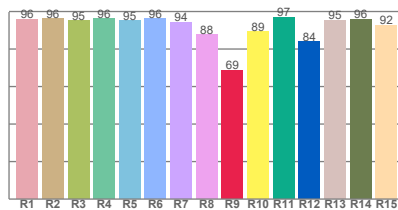
## Item number:

**Soft70 Deep Fixed - LED51/Q-HE-30-NF - 200mA**

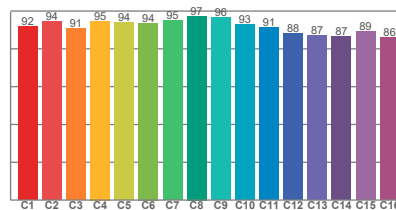
**Delivered information for above fixture and LED combination.**

**Output: 1044 Lumen    Peak intensity: 8280 cd    Power consumption: 8.0**

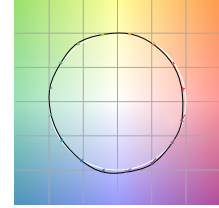
## CRI R values



## TM30 C Values

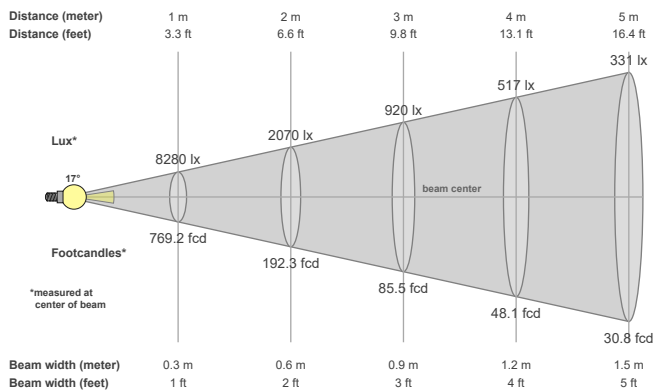


## Color vector graphics



| 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            | 94.5                  | 68.5          | 92.2           | 100.5       | 92.2                | 0.437                     | 0.404                     | 0.251            | 0.348            | 0.0007                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 17.2°          | 33.9°           | 48.6°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 8280 cd        | 97.9%                   | 96.1%                  |

## 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 |
| 8280lx   | 2070lx   | 920lx   | 517lx   | 331lx   | 230lx   | 169lx   | 129lx  | 102lx  | 83lx   | 68lx   | 57lx   | 49lx   | 42lx   | 37lx   | 32lx   | 29lx   | 26lx   | 23lx   | 21lx   |
| 769.2fcd | 192.3fcd | 85.5fcd | 48.1fcd | 30.8fcd | 21.4fcd | 15.7fcd | 12fcd  | 9.5fcd | 7.7fcd | 6.4fcd | 5.3fcd | 4.6fcd | 3.9fcd | 3.4fcd | 3fcd   | 2.7fcd | 2.4fcd | 2.1fcd | 1.9fcd |

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  | 10.6                                              | 10.9 | 10.6 | 11.1 | 11.3 | 10.6                                    | 10.9 | 10.6 | 11.1 | 11.3 |
|                                                                  | 3H  | 11.7                                              | 12.3 | 12.1 | 12.4 | 12.6 | 11.7                                    | 12.3 | 12.1 | 12.4 | 12.6 |
|                                                                  | 4H  | 12.3                                              | 12.9 | 12.7 | 13.1 | 13.3 | 12.3                                    | 12.9 | 12.7 | 13.1 | 13.3 |
|                                                                  | 6H  | 13.1                                              | 13.5 | 13.4 | 13.8 | 14.2 | 13.1                                    | 13.5 | 13.4 | 13.8 | 14.2 |
|                                                                  | 8H  | 13.4                                              | 13.8 | 13.7 | 14.1 | 14.5 | 13.4                                    | 13.8 | 13.7 | 14.1 | 14.5 |
|                                                                  | 12H | 13.5                                              | 13.9 | 13.8 | 14.3 | 14.7 | 13.5                                    | 13.9 | 13.8 | 14.3 | 14.7 |
| 4H                                                               | 2H  | 10.9                                              | 11.5 | 11.3 | 11.7 | 11.9 | 10.9                                    | 11.5 | 11.3 | 11.7 | 11.9 |
|                                                                  | 3H  | 12.5                                              | 13.0 | 12.9 | 13.3 | 13.7 | 12.5                                    | 13.0 | 12.9 | 13.3 | 13.7 |
|                                                                  | 4H  | 13.3                                              | 13.6 | 13.7 | 14.1 | 14.6 | 13.3                                    | 13.6 | 13.7 | 14.1 | 14.6 |
|                                                                  | 6H  | 14.1                                              | 14.6 | 14.6 | 14.9 | 15.2 | 14.1                                    | 14.6 | 14.6 | 14.9 | 15.2 |
|                                                                  | 8H  | 14.4                                              | 14.8 | 14.9 | 15.2 | 15.5 | 14.4                                    | 14.8 | 14.9 | 15.2 | 15.5 |
|                                                                  | 12H | 14.6                                              | 14.9 | 15.1 | 15.3 | 15.8 | 14.6                                    | 14.9 | 15.1 | 15.3 | 15.8 |
| 8H                                                               | 4H  | 13.6                                              | 14.0 | 14.1 | 14.3 | 14.7 | 13.6                                    | 14.0 | 14.1 | 14.3 | 14.7 |
|                                                                  | 6H  | 14.7                                              | 14.9 | 15.2 | 15.4 | 15.9 | 14.7                                    | 14.9 | 15.2 | 15.4 | 15.9 |
|                                                                  | 8H  | 15.1                                              | 15.3 | 15.6 | 15.8 | 16.5 | 15.1                                    | 15.3 | 15.6 | 15.8 | 16.5 |
|                                                                  | 12H | 15.4                                              | 15.6 | 16.0 | 16.1 | 16.7 | 15.4                                    | 15.6 | 16.0 | 16.1 | 16.7 |
| 12H                                                              | 4H  | 13.6                                              | 13.9 | 14.1 | 14.3 | 14.8 | 13.6                                    | 13.9 | 14.1 | 14.3 | 14.8 |
|                                                                  | 6H  | 14.8                                              | 15.0 | 15.3 | 15.5 | 16.1 | 14.8                                    | 15.0 | 15.3 | 15.5 | 16.1 |
|                                                                  | 8H  | 15.3                                              | 15.4 | 15.8 | 15.9 | 16.5 | 15.3                                    | 15.4 | 15.8 | 15.9 | 16.5 |
| Variation of the observer position for the luminaire distance S  |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                         |     | 0.2 / -0.1                                        |      |      |      |      | 0.2 / -0.1                              |      |      |      |      |
| S = 1.5H                                                         |     | 0.5 / -0.3                                        |      |      |      |      | 0.5 / -0.3                              |      |      |      |      |
| S = 2.0H                                                         |     | 0.8 / -0.5                                        |      |      |      |      | 0.8 / -0.5                              |      |      |      |      |
| Corrected glare indices referring to 1044 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |