

## Light efficiency:

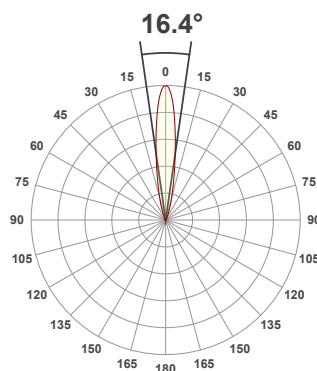
**114 Lumen/Watt**

## Light quality:

**CRI: 95.0**

## Color temperature:

**3046 K**



## Product name:

**MX85000\_010-FL- LED51\_Q-HE-SF-30-NF - 200mA**

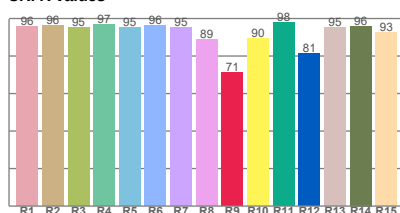
## Item number:

**Mix85 Flare Fixed/Accent - LED51/Q-HE-SF-30-NF - 200mA**

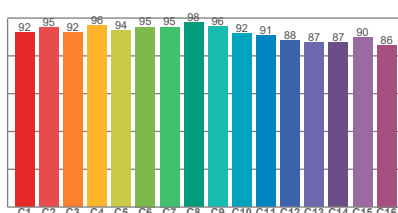
**Delivered information for above fixture and LED combination.**

**Output: 913 Lumen Peak intensity: 6954 cd Power consumption: 8.0**

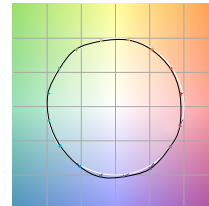
## CRI R values



## TM30 C Values

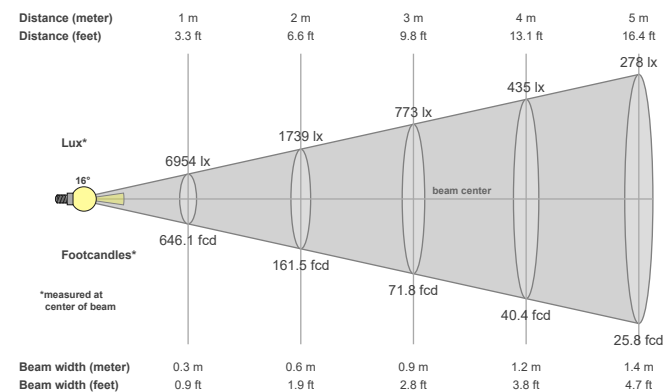


## Color vector graphics



| 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                             |
| 3046 K            | 95.0                  | 71.3          | 92.4           | 99.6        | 92.9                | 0.437                     | 0.409                     | 0.248            | 0.349            | 0.0021                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 16.4°          | 36.8°           | 51.5°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 6954 cd        | 99.1%                   | 98.0%                  |

## 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 |
| 6954lx   | 1739lx   | 773lx   | 435lx   | 278lx   | 193lx   | 142lx   | 109lx   | 86lx   | 70lx   | 57lx   | 48lx   | 41lx   | 35lx   | 31lx   | 27lx   | 24lx   | 21lx   | 19lx   | 17lx   |
| 646.1fcd | 161.5fcd | 71.8fcd | 40.4fcd | 25.8fcd | 17.9fcd | 13.2fcd | 10.1fcd | 8fcd   | 6.5fcd | 5.3fcd | 4.5fcd | 3.8fcd | 3.3fcd | 2.9fcd | 2.5fcd | 2.2fcd | 2fcd   | 1.8fcd | 1.6fcd |

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  | 10.8                                              | 11.4 | 11.2 | 11.6 | 11.7 | 10.8                                    | 11.4 | 11.2 | 11.6 | 11.7 |
|                                                                 | 4H  | 10.9                                              | 11.4 | 11.3 | 11.7 | 11.9 | 10.9                                    | 11.4 | 11.3 | 11.7 | 11.9 |
|                                                                 | 6H  | 11.0                                              | 11.4 | 11.3 | 11.7 | 12.1 | 11.0                                    | 11.4 | 11.3 | 11.7 | 12.1 |
|                                                                 | 8H  | 11.0                                              | 11.5 | 11.4 | 11.8 | 12.2 | 11.0                                    | 11.5 | 11.4 | 11.8 | 12.2 |
|                                                                 | 12H | 11.1                                              | 11.5 | 11.4 | 11.9 | 12.3 | 11.1                                    | 11.5 | 11.4 | 11.9 | 12.3 |
| 4H                                                              | 2H  | 10.5                                              | 11.0 | 10.9 | 11.2 | 11.5 | 10.5                                    | 11.0 | 10.9 | 11.2 | 11.5 |
|                                                                 | 3H  | 11.1                                              | 11.5 | 11.5 | 11.9 | 12.3 | 11.1                                    | 11.5 | 11.5 | 11.9 | 12.3 |
|                                                                 | 4H  | 11.2                                              | 11.5 | 11.6 | 12.0 | 12.5 | 11.2                                    | 11.5 | 11.6 | 12.0 | 12.5 |
|                                                                 | 6H  | 11.3                                              | 11.7 | 11.8 | 12.0 | 12.4 | 11.3                                    | 11.7 | 11.8 | 12.0 | 12.4 |
|                                                                 | 8H  | 11.3                                              | 11.7 | 11.8 | 12.1 | 12.4 | 11.3                                    | 11.7 | 11.8 | 12.1 | 12.4 |
|                                                                 | 12H | 11.4                                              | 11.8 | 11.9 | 12.2 | 12.6 | 11.4                                    | 11.8 | 11.9 | 12.2 | 12.6 |
| 8H                                                              | 4H  | 11.1                                              | 11.5 | 11.6 | 11.9 | 12.2 | 11.1                                    | 11.5 | 11.6 | 11.9 | 12.2 |
|                                                                 | 6H  | 11.3                                              | 11.6 | 11.8 | 12.0 | 12.6 | 11.3                                    | 11.6 | 11.8 | 12.0 | 12.6 |
|                                                                 | 8H  | 11.5                                              | 11.7 | 12.0 | 12.2 | 12.8 | 11.5                                    | 11.7 | 12.0 | 12.2 | 12.8 |
|                                                                 | 12H | 11.7                                              | 11.9 | 12.3 | 12.4 | 13.0 | 11.7                                    | 11.9 | 12.3 | 12.4 | 13.0 |
| 12H                                                             | 4H  | 11.1                                              | 11.4 | 11.6 | 11.8 | 12.3 | 11.1                                    | 11.4 | 11.6 | 11.8 | 12.3 |
|                                                                 | 6H  | 11.4                                              | 11.5 | 11.9 | 12.1 | 12.7 | 11.4                                    | 11.5 | 11.9 | 12.1 | 12.7 |
|                                                                 | 8H  | 11.5                                              | 11.7 | 12.1 | 12.2 | 12.8 | 11.5                                    | 11.7 | 12.1 | 12.2 | 12.8 |
| Variation of the observer position for the luminaire distance S |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                        |     | 2.1 / -1.4                                        |      |      |      |      | 2.1 / -1.4                              |      |      |      |      |
| S = 1.5H                                                        |     | 4.0 / -1.7                                        |      |      |      |      | 4.0 / -1.7                              |      |      |      |      |
| S = 2.0H                                                        |     | 5.6 / -1.8                                        |      |      |      |      | 5.6 / -1.8                              |      |      |      |      |
| Corrected glare indices referring to 913 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |