

## Light efficiency:

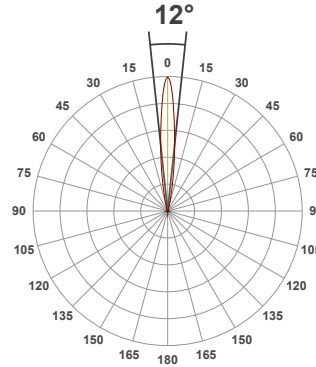
**98 Lumen/Watt**

## Light quality:

**CRI: 94.7**

## Color temperature:

**3000 K**



## Product name:

**MX85000\_010-DU- LED51\_Q-HE-30-SP - 200mA**

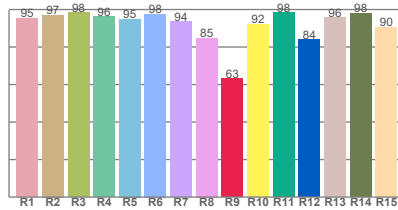
## Item number:

**Mix85 Duo Fixed/Accent - LED51/Q-HE-30-SP - 200mA**

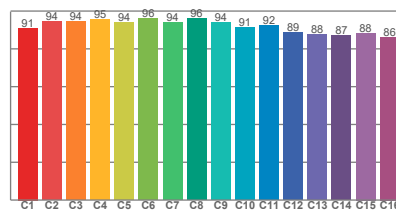
**Delivered information for above fixture and LED combination.**

**Output: 787 Lumen    Peak intensity: 11185 cd    Power consumption: 8.0**

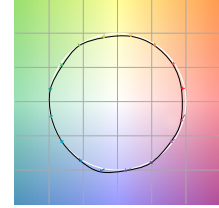
## CRI R values



## TM30 C Values

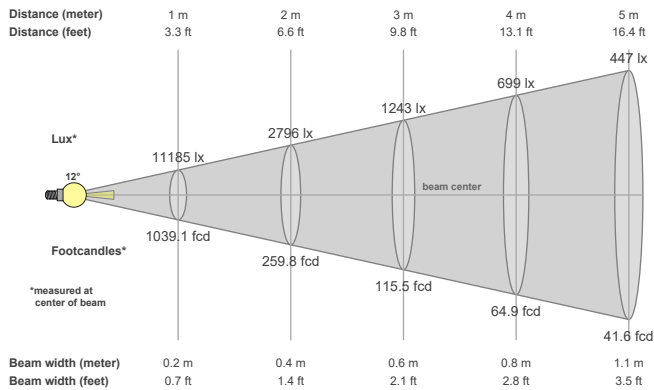


## Color vector graphics



| 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            | 94.7                  | 63.1          | 92.3           | 97.6        | 92.6                | 0.437                     | 0.404                     | 0.251            | 0.348            | 0.0029                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 12°            | 25.4°           | 36.9°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 11185 cd       | 99.4%                   | 97.9%                  |

## 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 |
| 11185lx   | 2796lx   | 1243lx   | 699lx   | 447lx   | 311lx   | 228lx   | 175lx   | 138lx   | 112lx   | 92lx   | 78lx   | 66lx   | 57lx   | 50lx   | 44lx   | 39lx   | 35lx   | 31lx   | 28lx   |
| 1039.1fcd | 259.8fcd | 115.5fcd | 64.9fcd | 41.6fcd | 28.9fcd | 21.2fcd | 16.2fcd | 12.8fcd | 10.4fcd | 8.6fcd | 7.2fcd | 6.1fcd | 5.3fcd | 4.6fcd | 4.1fcd | 3.6fcd | 3.2fcd | 2.9fcd | 2.6fcd |

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  | 9.6   | 9.9  | 9.7  | 10.1 | 10.3 | 9.6                                     | 9.9  | 9.7  | 10.1 | 10.3 |
|   | 3H  | 9.4   | 9.9  | 9.8  | 10.1 | 10.2 | 9.4                                     | 9.9  | 9.8  | 10.1 | 10.2 |
|   | 4H  | 9.3   | 9.8  | 9.7  | 10.0 | 10.3 | 9.3                                     | 9.8  | 9.7  | 10.0 | 10.3 |
|   | 6H  | 9.5   | 9.9  | 9.8  | 10.2 | 10.5 | 9.5                                     | 9.9  | 9.8  | 10.2 | 10.5 |
|   | 8H  | 9.6   | 10.0 | 9.9  | 10.3 | 10.7 | 9.6                                     | 10.0 | 9.9  | 10.3 | 10.7 |
|   | 12H | 9.7   | 10.1 | 10.0 | 10.4 | 10.8 | 9.7                                     | 10.1 | 10.0 | 10.4 | 10.8 |
| 4H  | 2H  | 9.4   | 9.9  | 9.8  | 10.1 | 10.4 | 9.4                                     | 9.9  | 9.8  | 10.1 | 10.4 |
|   | 3H  | 9.4   | 9.8  | 9.8  | 10.2 | 10.6 | 9.4                                     | 9.8  | 9.8  | 10.2 | 10.6 |
|   | 4H  | 9.3   | 9.7  | 9.7  | 10.1 | 10.6 | 9.3                                     | 9.7  | 9.7  | 10.1 | 10.6 |
|   | 6H  | 9.5   | 10.0 | 10.0 | 10.3 | 10.6 | 9.5                                     | 10.0 | 10.0 | 10.3 | 10.6 |
|   | 8H  | 9.7   | 10.1 | 10.2 | 10.4 | 10.8 | 9.7                                     | 10.1 | 10.2 | 10.4 | 10.8 |
|   | 12H | 9.9   | 10.2 | 10.4 | 10.6 | 11.0 | 9.9                                     | 10.2 | 10.4 | 10.6 | 11.0 |
| 8H  | 4H  | 9.3   | 9.6  | 9.8  | 10.0 | 10.3 | 9.3                                     | 9.6  | 9.8  | 10.0 | 10.3 |
|   | 6H  | 9.6   | 9.8  | 10.1 | 10.3 | 10.8 | 9.6                                     | 9.8  | 10.1 | 10.3 | 10.8 |
|   | 8H  | 9.9   | 10.1 | 10.4 | 10.6 | 11.2 | 9.9                                     | 10.1 | 10.4 | 10.6 | 11.2 |
|   | 12H | 10.3  | 10.4 | 10.9 | 11.0 | 11.5 | 10.3                                    | 10.4 | 10.9 | 11.0 | 11.5 |
| 12H   | 4H  | 9.2   | 9.5  | 9.7  | 9.9  | 10.4 | 9.2                                     | 9.5  | 9.7  | 9.9  | 10.4 |
|   | 6H  | 9.7   | 9.8  | 10.2 | 10.4 | 11.0 | 9.7                                     | 9.8  | 10.2 | 10.4 | 11.0 |
|   | 8H  | 10.0  | 10.2 | 10.6 | 10.7 | 11.3 | 10.0                                    | 10.2 | 10.6 | 10.7 | 11.3 |
| Variation of the observer position for the luminaire distance S |     |   |      |      |      |      |   |      |      |      |      |
| S = 1.0H  |     | 1.1 / -1.0  |      |      |      |      | 1.1 / -1.0                              |      |      |      |      |
| S = 1.5H  |     | 2.5 / -2.3  |      |      |      |      | 2.5 / -2.3                              |      |      |      |      |
| S = 2.0H  |     | 4.0 / -3.2  |      |      |      |      | 4.0 / -3.2                              |      |      |      |      |
| Corrected glare indices referring to 787 lm total luminous flux |     |   |      |      |      |      |   |      |      |      |      |