

## Light efficiency:

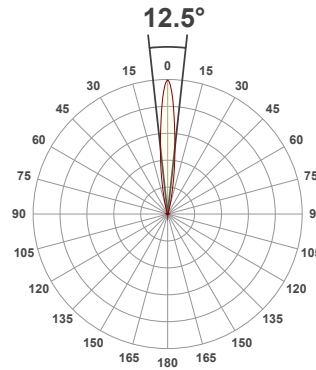
**84 Lumen/Watt**

## Light quality:

**CRI: 94.7**

## Color temperature:

**3000 K**



## Product name:

**MX85000\_010-ED- LED51\_Q-HO-30-SP - 350mA**

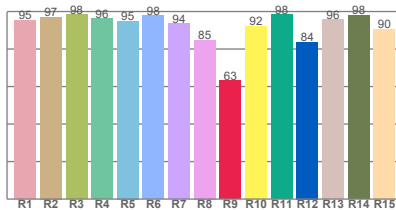
## Item number:

**Mix85 Edge Fixed/Accent - LED51/Q-HO-30-SP - 350mA**

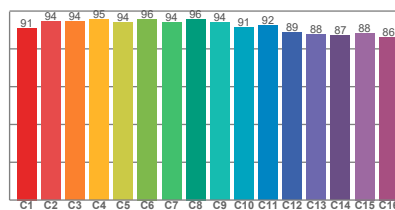
**Delivered information for above fixture and LED combination.**

**Output: 1173 Lumen    Peak intensity: 15600 cd    Power consumption: 14.0**

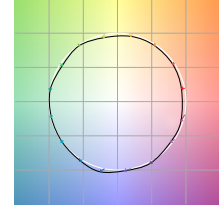
## CRI R values



## TM30 C Values

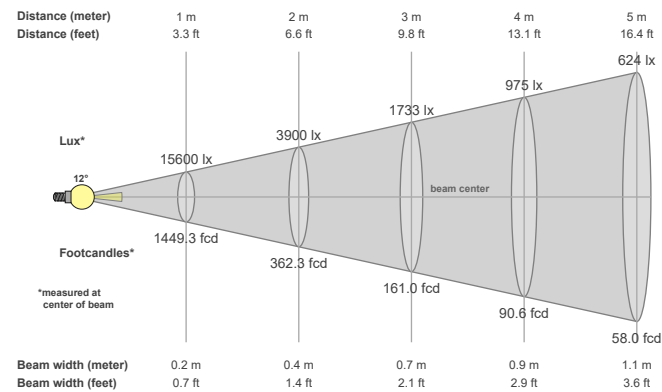


## Color vector graphics



| 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           | 97.5        | 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% |
|----------------|-----------------|-------------------|
| 12.5°          | 26.8°           | 38.6°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 15600 cd       | 99.8%                   | 99.0%                  |

## 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 |
| 15600lx   | 3900lx   | 1733lx | 975lx   | 624lx  | 433lx   | 318lx   | 244lx   | 193lx   | 156lx   | 129lx  | 108lx   | 92lx   | 80lx   | 69lx   | 61lx   | 54lx   | 48lx   | 43lx   | 39lx   |
| 1449.3fcd | 362.3fcd | 161fcd | 90.6fcd | 58fcd  | 40.3fcd | 29.6fcd | 22.6fcd | 17.9fcd | 14.5fcd | 12fcd  | 10.1fcd | 8.6fcd | 7.4fcd | 6.4fcd | 5.7fcd | 5fcd   | 4.5fcd | 4fcd   | 3.6fcd |

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  | 9.0   | 9.3 | 9.0  | 9.5  | 9.6  | 9.0                                     | 9.3 | 9.0  | 9.5  | 9.6  |
|  | 3H  | 8.8   | 9.3 | 9.2  | 9.5  | 9.7  | 8.8                                     | 9.3 | 9.2  | 9.5  | 9.7  |
|  | 4H  | 8.9   | 9.4 | 9.3  | 9.6  | 9.8  | 8.9                                     | 9.4 | 9.3  | 9.6  | 9.8  |
|  | 6H  | 9.0   | 9.3 | 9.3  | 9.6  | 10.0 | 9.0                                     | 9.3 | 9.3  | 9.6  | 10.0 |
|  | 8H  | 9.0   | 9.4 | 9.3  | 9.7  | 10.1 | 9.0                                     | 9.4 | 9.3  | 9.7  | 10.1 |
|  | 12H | 9.1   | 9.4 | 9.4  | 9.8  | 10.2 | 9.1                                     | 9.4 | 9.4  | 9.8  | 10.2 |
| 4H   | 2H  | 8.7   | 9.2 | 9.1  | 9.4  | 9.6  | 8.7                                     | 9.2 | 9.1  | 9.4  | 9.6  |
|  | 3H  | 8.8   | 9.2 | 9.2  | 9.5  | 10.0 | 8.8                                     | 9.2 | 9.2  | 9.5  | 10.0 |
|  | 4H  | 8.9   | 9.2 | 9.3  | 9.7  | 10.2 | 8.9                                     | 9.2 | 9.3  | 9.7  | 10.2 |
|  | 6H  | 8.9   | 9.3 | 9.4  | 9.7  | 10.0 | 8.9                                     | 9.3 | 9.4  | 9.7  | 10.0 |
|  | 8H  | 9.0   | 9.4 | 9.5  | 9.7  | 10.1 | 9.0                                     | 9.4 | 9.5  | 9.7  | 10.1 |
|  | 12H | 9.2   | 9.5 | 9.7  | 9.9  | 10.3 | 9.2                                     | 9.5 | 9.7  | 9.9  | 10.3 |
| 8H   | 4H  | 8.8   | 9.2 | 9.4  | 9.6  | 9.9  | 8.8                                     | 9.2 | 9.4  | 9.6  | 9.9  |
|  | 6H  | 8.9   | 9.2 | 9.4  | 9.6  | 10.1 | 8.9                                     | 9.2 | 9.4  | 9.6  | 10.1 |
|  | 8H  | 9.2   | 9.4 | 9.7  | 9.9  | 10.5 | 9.2                                     | 9.4 | 9.7  | 9.9  | 10.5 |
|  | 12H | 9.5   | 9.6 | 10.1 | 10.1 | 10.7 | 9.5                                     | 9.6 | 10.1 | 10.1 | 10.7 |
| 12H  | 4H  | 8.8   | 9.1 | 9.3  | 9.5  | 9.9  | 8.8                                     | 9.1 | 9.3  | 9.5  | 9.9  |
|  | 6H  | 9.0   | 9.2 | 9.5  | 9.7  | 10.3 | 9.0                                     | 9.2 | 9.5  | 9.7  | 10.3 |
|  | 8H  | 9.2   | 9.4 | 9.8  | 9.9  | 10.5 | 9.2                                     | 9.4 | 9.8  | 9.9  | 10.5 |
| Variation of the observer position for the luminaire distance S  |     |   |     |      |      |      |   |     |      |      |      |
| S = 1.0H   |     | 2.2 / -1.8  |     |      |      |      | 2.2 / -1.8                              |     |      |      |      |
| S = 1.5H   |     | 4.3 / -3.1  |     |      |      |      | 4.3 / -3.1                              |     |      |      |      |
| S = 2.0H   |     | 6.1 / -3.9  |     |      |      |      | 6.1 / -3.9                              |     |      |      |      |
| Corrected glare indices referring to 1173 lm total luminous flux |     |   |     |      |      |      |   |     |      |      |      |