

## Light efficiency:

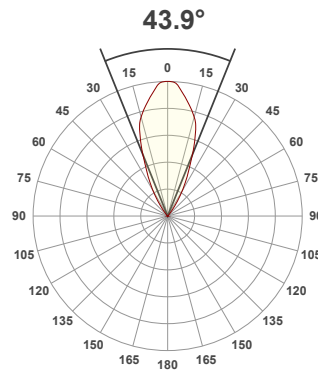
**69 Lumen/Watt**

## Light quality:

**CRI: 95.1**

## Color temperature:

**3038 K**



## Product name:

**MX85000\_010-PH- LED51\_Q-HO-30-WFL - 350mA**

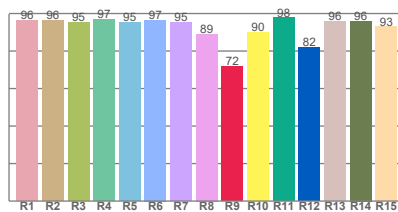
## Item number:

**Mix85 Pinhole Fixed/Accent - LED51/Q-HO-30-WFL - 350mA**

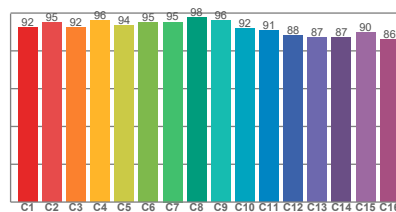
**Delivered information for above fixture and LED combination.**

**Output: 961 Lumen Peak intensity: 1762 cd Power consumption: 14.0**

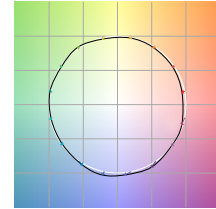
## CRI R values



## TM30 C Values

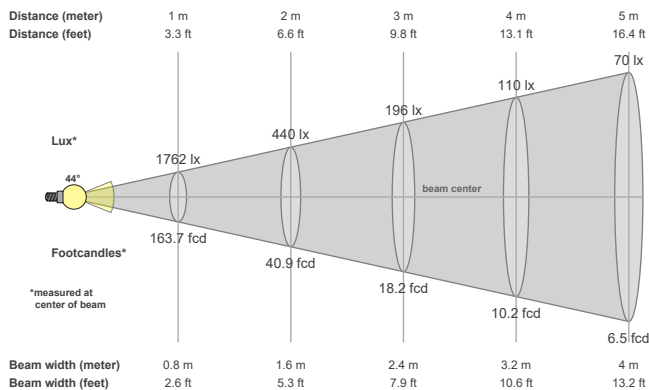


## Color vector graphics



| 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                             |
| 3038 K            | 95.1                  | 71.8          | 92.5           | 99.7        | 93.0                | 0.437                     | 0.408                     | 0.249            | 0.349            | 0.0017                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 43.9°          | 69.4°           | 80.9°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 1762 cd        | 99.6%                   | 98.8%                  |

## 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 |
| 1762lx   | 440lx   | 196lx   | 110lx   | 70lx   | 49lx   | 36lx   | 28lx   | 22lx   | 18lx   | 15lx   | 12lx   | 10lx   | 9lx    | 8lx    | 7lx    | 6lx    | 5lx    | 5lx    | 4lx    |
| 163.7fcd | 40.9fcd | 18.2fcd | 10.2fcd | 6.5fcd | 4.5fcd | 3.3fcd | 2.6fcd | 2fcd   | 1.6fcd | 1.4fcd | 1.1fcd | 1fcd   | 0.8fcd | 0.7fcd | 0.6fcd | 0.6fcd | 0.5fcd | 0.5fcd | 0.4fcd |

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  | 20.2  | 20.7 | 20.3 | 20.9 | 21.1 | 20.2                                    | 20.7 | 20.3 | 20.9 | 21.1 |
|   | 3H  | 19.9  | 20.6 | 20.3 | 20.8 | 21.0 | 19.9                                    | 20.6 | 20.3 | 20.8 | 21.0 |
|   | 4H  | 19.8  | 20.5 | 20.2 | 20.7 | 20.9 | 19.8                                    | 20.5 | 20.2 | 20.7 | 20.9 |
|   | 6H  | 19.8  | 20.4 | 20.1 | 20.7 | 21.0 | 19.8                                    | 20.4 | 20.1 | 20.7 | 21.0 |
|   | 8H  | 19.8  | 20.3 | 20.1 | 20.6 | 21.0 | 19.8                                    | 20.3 | 20.1 | 20.6 | 21.0 |
|   | 12H | 19.7  | 20.3 | 20.1 | 20.6 | 21.0 | 19.7                                    | 20.3 | 20.1 | 20.6 | 21.0 |
| 4H  | 2H  | 19.8  | 20.5 | 20.2 | 20.7 | 20.9 | 19.8                                    | 20.5 | 20.2 | 20.7 | 20.9 |
|   | 3H  | 19.7  | 20.2 | 20.1 | 20.6 | 21.0 | 19.7                                    | 20.2 | 20.1 | 20.6 | 21.0 |
|   | 4H  | 19.6  | 20.1 | 20.0 | 20.5 | 21.0 | 19.6                                    | 20.1 | 20.0 | 20.5 | 21.0 |
|   | 6H  | 19.5  | 20.0 | 20.0 | 20.4 | 20.7 | 19.5                                    | 20.0 | 20.0 | 20.4 | 20.7 |
|   | 8H  | 19.5  | 20.0 | 20.0 | 20.3 | 20.7 | 19.5                                    | 20.0 | 20.0 | 20.3 | 20.7 |
|   | 12H | 19.4  | 19.8 | 19.9 | 20.2 | 20.7 | 19.4                                    | 19.8 | 19.9 | 20.2 | 20.7 |
| 8H  | 4H  | 19.4  | 19.9 | 20.0 | 20.3 | 20.6 | 19.4                                    | 19.9 | 20.0 | 20.3 | 20.6 |
|   | 6H  | 19.4  | 19.7 | 19.9 | 20.2 | 20.7 | 19.4                                    | 19.7 | 19.9 | 20.2 | 20.7 |
|   | 8H  | 19.4  | 19.7 | 19.9 | 20.2 | 20.8 | 19.4                                    | 19.7 | 19.9 | 20.2 | 20.8 |
|   | 12H | 19.4  | 19.6 | 20.0 | 20.1 | 20.7 | 19.4                                    | 19.6 | 20.0 | 20.1 | 20.7 |
| 12H   | 4H  | 19.4  | 19.8 | 19.9 | 20.2 | 20.6 | 19.4                                    | 19.8 | 19.9 | 20.2 | 20.6 |
|   | 6H  | 19.4  | 19.7 | 19.9 | 20.2 | 20.8 | 19.4                                    | 19.7 | 19.9 | 20.2 | 20.8 |
|   | 8H  | 19.4  | 19.6 | 19.9 | 20.1 | 20.7 | 19.4                                    | 19.6 | 19.9 | 20.1 | 20.7 |
| Variation of the observer position for the luminaire distance S |     |   |      |      |      |      |   |      |      |      |      |
| S = 1.0H  |     | 6.0 / -10.0                                       |      |      |      |      | 6.0 / -10.0                             |      |      |      |      |
| S = 1.5H  |     | 8.7 / -10.5                                       |      |      |      |      | 8.7 / -10.5                             |      |      |      |      |
| S = 2.0H  |     | 10.7 / -10.9                                      |      |      |      |      | 10.7 / -10.9                            |      |      |      |      |
| Corrected glare indices referring to 961 lm total luminous flux |     |   |      |      |      |      |   |      |      |      |      |