

## Light efficiency:

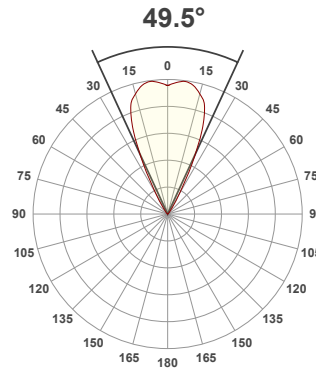
**60 Lumen/Watt**

## Light quality:

**CRI: 91.3**

## Color temperature:

**3038 K**



## Product name:

**MX85000\_010-PH- LED51\_3-30-WFL - 350mA**

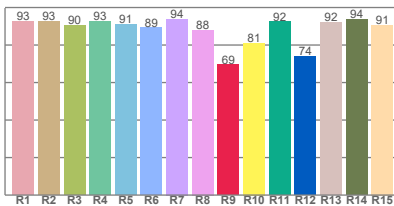
## Item number:

**Mix85 Pinhole Fixed/Accent - LED51/3-30-WFL - 350mA**

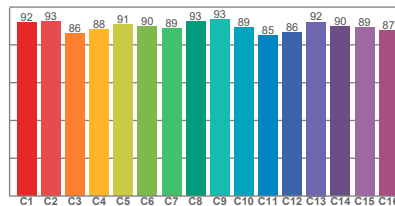
**Delivered information for above fixture and LED combination.**

**Output: 894 Lumen Peak intensity: 1408 cd Power consumption: 14.8**

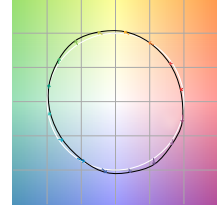
## CRI R values



## TM30 C Values

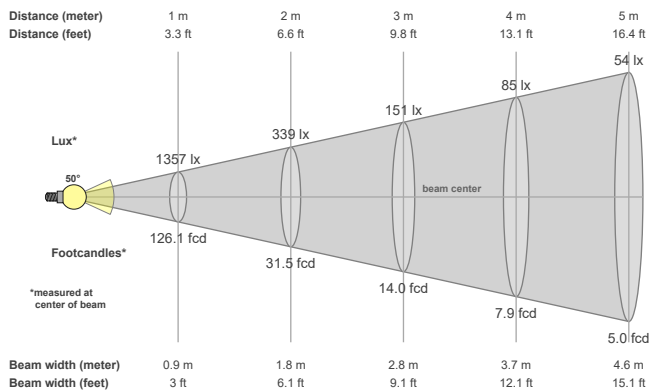


## Color vector graphics



| 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            | 91.3                  | 69.4          | 89.6           | 102.7       | 89.1                | 0.435                     | 0.404                     | 0.249            | 0.347            | 0.0003                          |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 49.5°          | 65.7°           | 81.4°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 1408 cd        | 99.2%                   | 98.1%                  |

## 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 |
| 1357lx   | 339lx   | 151lx | 85lx   | 54lx   | 38lx   | 28lx   | 21lx   | 17lx   | 14lx   | 11lx   | 9lx    | 8lx    | 7lx    | 6lx    | 5lx    | 5lx    | 4lx    | 4lx    | 3lx    |
| 126.1fcd | 31.5fcd | 14fcd | 7.9fcd | 5fcd   | 3.5fcd | 2.6fcd | 2fcd   | 1.6fcd | 1.3fcd | 1fcd   | 0.9fcd | 0.7fcd | 0.6fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd |

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  | 17.2  | 17.7 | 17.3 | 18.0 | 18.1 | 17.2                                    | 17.7 | 17.3 | 18.0 | 18.1 |
|   | 3H  | 17.0  | 17.7 | 17.4 | 17.9 | 18.1 | 17.0                                    | 17.7 | 17.4 | 17.9 | 18.1 |
|   | 4H  | 17.1  | 17.8 | 17.5 | 18.0 | 18.2 | 17.1                                    | 17.8 | 17.5 | 18.0 | 18.2 |
|   | 6H  | 17.4  | 17.9 | 17.7 | 18.2 | 18.6 | 17.4                                    | 17.9 | 17.7 | 18.2 | 18.6 |
|   | 8H  | 17.5  | 18.1 | 17.9 | 18.4 | 18.8 | 17.5                                    | 18.1 | 17.9 | 18.4 | 18.8 |
|   | 12H | 17.7  | 18.2 | 18.0 | 18.5 | 18.9 | 17.7                                    | 18.2 | 18.0 | 18.5 | 18.9 |
| 4H  | 2H  | 16.9  | 17.5 | 17.3 | 17.8 | 18.0 | 16.9                                    | 17.5 | 17.3 | 17.8 | 18.0 |
|   | 3H  | 17.0  | 17.5 | 17.3 | 17.8 | 18.3 | 17.0                                    | 17.5 | 17.3 | 17.8 | 18.3 |
|   | 4H  | 17.1  | 17.6 | 17.5 | 18.0 | 18.5 | 17.1                                    | 17.6 | 17.5 | 18.0 | 18.5 |
|   | 6H  | 17.5  | 18.0 | 18.0 | 18.3 | 18.7 | 17.5                                    | 18.0 | 18.0 | 18.3 | 18.7 |
|   | 8H  | 17.7  | 18.2 | 18.2 | 18.6 | 18.9 | 17.7                                    | 18.2 | 18.2 | 18.6 | 18.9 |
|   | 12H | 18.0  | 18.3 | 18.5 | 18.8 | 19.2 | 18.0                                    | 18.3 | 18.5 | 18.8 | 19.2 |
| 8H  | 4H  | 17.1  | 17.6 | 17.6 | 17.9 | 18.3 | 17.1                                    | 17.6 | 17.6 | 17.9 | 18.3 |
|   | 6H  | 17.7  | 18.1 | 18.2 | 18.5 | 19.0 | 17.7                                    | 18.1 | 18.2 | 18.5 | 19.0 |
|   | 8H  | 18.2  | 18.4 | 18.7 | 18.9 | 19.6 | 18.2                                    | 18.4 | 18.7 | 18.9 | 19.6 |
|   | 12H | 18.5  | 18.8 | 19.1 | 19.3 | 19.9 | 18.5                                    | 18.8 | 19.1 | 19.3 | 19.9 |
| 12H   | 4H  | 17.1  | 17.5 | 17.6 | 17.9 | 18.4 | 17.1                                    | 17.5 | 17.6 | 17.9 | 18.4 |
|   | 6H  | 17.8  | 18.1 | 18.3 | 18.6 | 19.2 | 17.8                                    | 18.1 | 18.3 | 18.6 | 19.2 |
|   | 8H  | 18.3  | 18.5 | 18.9 | 19.0 | 19.6 | 18.3                                    | 18.5 | 18.9 | 19.0 | 19.6 |
| Variation of the observer position for the luminaire distance S |     |   |      |      |      |      |   |      |      |      |      |
| S = 1.0H  |     | 3.7 / -2.0  |      |      |      |      | 3.7 / -2.0                              |      |      |      |      |
| S = 1.5H  |     | 6.1 / -2.2  |      |      |      |      | 6.1 / -2.2                              |      |      |      |      |
| S = 2.0H  |     | 8.0 / -2.3  |      |      |      |      | 8.0 / -2.3                              |      |      |      |      |
| Corrected glare indices referring to 894 lm total luminous flux |     |   |      |      |      |      |   |      |      |      |      |