

Light efficiency:

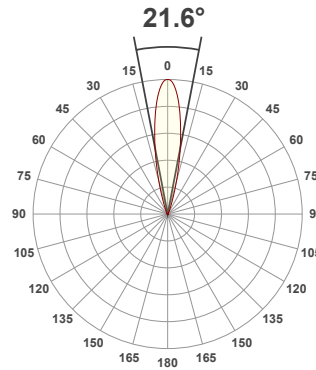
133 Lumen/Watt

Light quality:

CRI: 95.1

Color temperature:

3044 K



Product name:

MX85000_010-DU- LED51_Q-HE-30-MF - 200mA

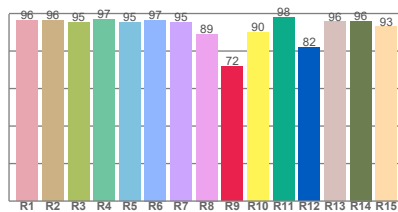
Item number:

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

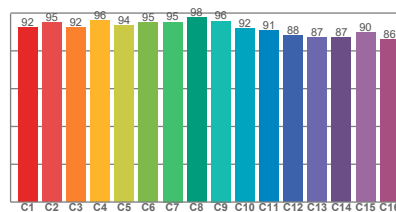
Delivered information for above fixture and LED combination.

Output: 1098 Lumen Peak intensity: 6271 cd Power consumption: 8.3

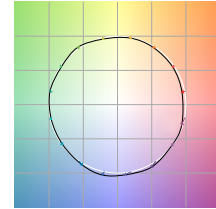
CRI R values



TM30 C Values

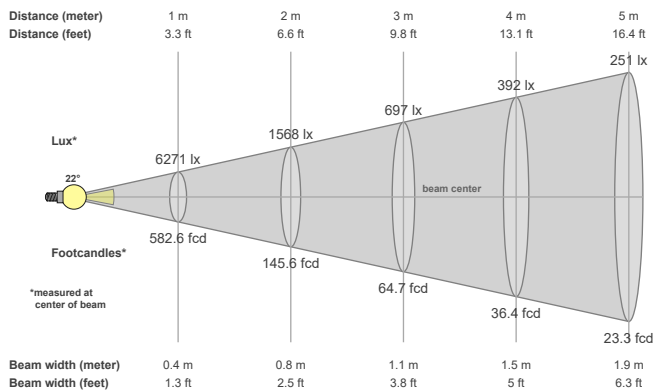


Color vector graphics



| 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 |
| 3044 K | 95.1 | 71.7 | 92.5 | 99.7 | 93.0 | 0.437 | 0.409 | 0.248 | 0.349 | 0.0018 |

Beam details



Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 21.6° | 38.9° | 55.6° |

Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 6271 cd | 99.6% | 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 |
| 6271lx | 1568lx | 697lx | 392lx | 251lx | 174lx | 128lx | 98lx | 77lx | 63lx | 52lx | 44lx | 37lx | 32lx | 28lx | 24lx | 22lx | 19lx | 17lx | 16lx |
| 582.6fcd | 145.6fcd | 64.7fcd | 36.4fcd | 23.3fcd | 16.2fcd | 11.9fcd | 9.1fcd | 7.2fcd | 5.8fcd | 4.8fcd | 4fcd | 3.4fcd | 3fcd | 2.6fcd | 2.3fcd | 2fcd | 1.8fcd | 1.6fcd | 1.5fcd |

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 X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 12.2 | 12.5 | 12.2 | 12.7 | 12.9 | 12.2 | 12.5 | 12.2 | 12.7 | 12.9 |
| | 3H | 11.9 | 12.4 | 12.2 | 12.6 | 12.8 | 11.9 | 12.4 | 12.2 | 12.6 | 12.8 |
| | 4H | 11.8 | 12.4 | 12.2 | 12.6 | 12.8 | 11.8 | 12.4 | 12.2 | 12.6 | 12.8 |
| | 6H | 11.9 | 12.3 | 12.2 | 12.6 | 12.9 | 11.9 | 12.3 | 12.2 | 12.6 | 12.9 |
| | 8H | 11.9 | 12.3 | 12.2 | 12.6 | 13.0 | 11.9 | 12.3 | 12.2 | 12.6 | 13.0 |
| | 12H | 11.9 | 12.3 | 12.2 | 12.6 | 13.0 | 11.9 | 12.3 | 12.2 | 12.6 | 13.0 |
| 4H | 2H | 11.9 | 12.4 | 12.2 | 12.6 | 12.8 | 11.9 | 12.4 | 12.2 | 12.6 | 12.8 |
| | 3H | 11.8 | 12.2 | 12.1 | 12.6 | 13.0 | 11.8 | 12.2 | 12.1 | 12.6 | 13.0 |
| | 4H | 11.7 | 12.1 | 12.1 | 12.5 | 13.0 | 11.7 | 12.1 | 12.1 | 12.5 | 13.0 |
| | 6H | 11.7 | 12.1 | 12.2 | 12.4 | 12.8 | 11.7 | 12.1 | 12.2 | 12.4 | 12.8 |
| | 8H | 11.7 | 12.1 | 12.2 | 12.4 | 12.8 | 11.7 | 12.1 | 12.2 | 12.4 | 12.8 |
| | 12H | 11.8 | 12.1 | 12.3 | 12.5 | 12.9 | 11.8 | 12.1 | 12.3 | 12.5 | 12.9 |
| 8H | 4H | 11.6 | 12.0 | 12.1 | 12.3 | 12.7 | 11.6 | 12.0 | 12.1 | 12.3 | 12.7 |
| | 6H | 11.6 | 11.9 | 12.1 | 12.3 | 12.9 | 11.6 | 11.9 | 12.1 | 12.3 | 12.9 |
| | 8H | 11.7 | 11.9 | 12.2 | 12.4 | 13.1 | 11.7 | 11.9 | 12.2 | 12.4 | 13.1 |
| | 12H | 11.9 | 12.0 | 12.5 | 12.6 | 13.2 | 11.9 | 12.0 | 12.5 | 12.6 | 13.2 |
| 12H | 4H | 11.5 | 11.8 | 12.0 | 12.2 | 12.7 | 11.5 | 11.8 | 12.0 | 12.2 | 12.7 |
| | 6H | 11.6 | 11.8 | 12.2 | 12.4 | 13.0 | 11.6 | 11.8 | 12.2 | 12.4 | 13.0 |
| | 8H | 11.7 | 11.9 | 12.3 | 12.4 | 13.0 | 11.7 | 11.9 | 12.3 | 12.4 | 13.0 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | | 2.7 / -2.5 | | | | | 2.7 / -2.5 | | | | |
| S = 1.5H | | 4.9 / -4.7 | | | | | 4.9 / -4.7 | | | | |
| S = 2.0H | | 6.7 / -5.4 | | | | | 6.7 / -5.4 | | | | |
| Corrected glare indices referring to 1098 lm total luminous flux | | | | | | | | | | | |