

**Light efficiency:**

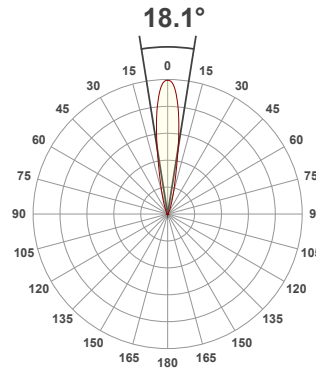
**110 Lumen/Watt**

**Light quality:**

**CRI: 95.2**

**Color temperature:**

**3000 K**



**Product name:**

**MT70200\_210 - LED35\_Q-HE-30-NF - 150mA**

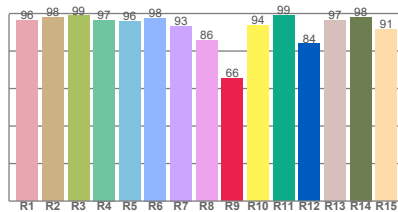
**Item number:**

**MicroTrim Fixed/Accent - LED35/Q-HE-30-NF - 150mA**

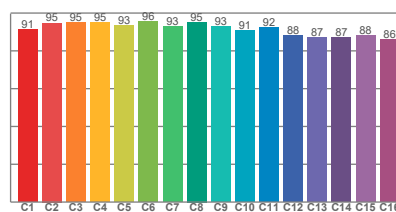
**Delivered information for above fixture and LED combination.**

**Output: 606 Lumen Peak intensity: 4050 cd Power consumption: 5.5**

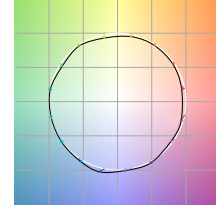
**CRI R values**



**TM30 C Values**

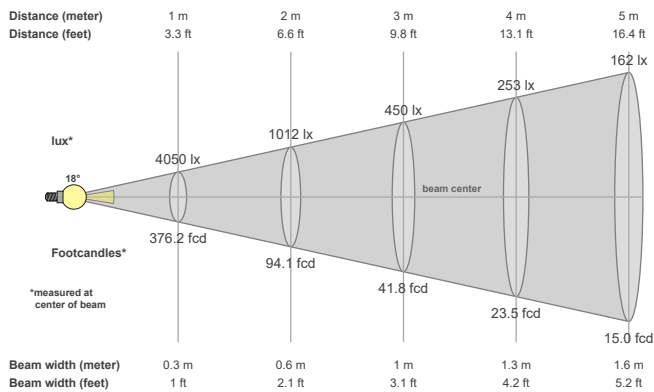


**Color vector graphics**



| 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            | 95.2                  | 65.6          | 92.0           | 97.5        | 92.9                | 0.437                     | 0.404                     | 0.251            | 0.348            | 0.0024                          |

**Beam details**



**Beam angels**

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 18.1°          | 36.6°           | 58.2°             |

**Beam intensities**

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 4050 cd        | 98.8%                   | 97.0%                  |

**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 |
| 4050lx   | 1012lx  | 450lx   | 253lx   | 162lx  | 112lx   | 83lx   | 63lx   | 50lx   | 40lx   | 33lx   | 28lx   | 24lx   | 21lx   | 18lx   | 16lx   | 14lx   | 12lx   | 11lx   | 10lx   |
| 376.2fcd | 94.1fcd | 41.8fcd | 23.5fcd | 15fcd  | 10.5fcd | 7.7fcd | 5.9fcd | 4.6fcd | 3.8fcd | 3.1fcd | 2.6fcd | 2.2fcd | 1.9fcd | 1.7fcd | 1.5fcd | 1.3fcd | 1.2fcd | 1fcd   | 0.9fcd |

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  | 15.5                                              | 15.9 | 15.6 | 16.1 | 16.3 | 15.5                                    | 15.9 | 15.6 | 16.1 | 16.3 |
|                                                                 | 3H  | 15.8                                              | 16.4 | 16.2 | 16.6 | 16.8 | 15.8                                    | 16.4 | 16.2 | 16.6 | 16.8 |
|                                                                 | 4H  | 16.0                                              | 16.6 | 16.4 | 16.8 | 17.0 | 16.0                                    | 16.6 | 16.4 | 16.8 | 17.0 |
|                                                                 | 6H  | 16.1                                              | 16.6 | 16.4 | 16.9 | 17.2 | 16.1                                    | 16.6 | 16.4 | 16.9 | 17.2 |
|                                                                 | 8H  | 16.1                                              | 16.6 | 16.4 | 16.9 | 17.3 | 16.1                                    | 16.6 | 16.4 | 16.9 | 17.3 |
|                                                                 | 12H | 16.2                                              | 16.6 | 16.5 | 16.9 | 17.3 | 16.2                                    | 16.6 | 16.5 | 16.9 | 17.3 |
| 4H                                                              | 2H  | 15.5                                              | 16.0 | 15.9 | 16.3 | 16.5 | 15.5                                    | 16.0 | 15.9 | 16.3 | 16.5 |
|                                                                 | 3H  | 16.1                                              | 16.6 | 16.5 | 16.9 | 17.3 | 16.1                                    | 16.6 | 16.5 | 16.9 | 17.3 |
|                                                                 | 4H  | 16.3                                              | 16.7 | 16.7 | 17.1 | 17.6 | 16.3                                    | 16.7 | 16.7 | 17.1 | 17.6 |
|                                                                 | 6H  | 16.4                                              | 16.9 | 16.9 | 17.2 | 17.6 | 16.4                                    | 16.9 | 16.9 | 17.2 | 17.6 |
|                                                                 | 8H  | 16.5                                              | 16.9 | 17.0 | 17.2 | 17.6 | 16.5                                    | 16.9 | 17.0 | 17.2 | 17.6 |
|                                                                 | 12H | 16.5                                              | 16.8 | 17.0 | 17.2 | 17.7 | 16.5                                    | 16.8 | 17.0 | 17.2 | 17.7 |
| 8H                                                              | 4H  | 16.3                                              | 16.8 | 16.8 | 17.1 | 17.5 | 16.3                                    | 16.8 | 16.8 | 17.1 | 17.5 |
|                                                                 | 6H  | 16.5                                              | 16.8 | 17.0 | 17.2 | 17.8 | 16.5                                    | 16.8 | 17.0 | 17.2 | 17.8 |
|                                                                 | 8H  | 16.7                                              | 16.8 | 17.2 | 17.4 | 18.0 | 16.7                                    | 16.8 | 17.2 | 17.4 | 18.0 |
|                                                                 | 12H | 16.8                                              | 17.0 | 17.4 | 17.5 | 18.1 | 16.8                                    | 17.0 | 17.4 | 17.5 | 18.1 |
| 12H                                                             | 4H  | 16.3                                              | 16.6 | 16.8 | 17.0 | 17.5 | 16.3                                    | 16.6 | 16.8 | 17.0 | 17.5 |
|                                                                 | 6H  | 16.6                                              | 16.8 | 17.1 | 17.3 | 17.9 | 16.6                                    | 16.8 | 17.1 | 17.3 | 17.9 |
|                                                                 | 8H  | 16.6                                              | 16.8 | 17.2 | 17.3 | 17.9 | 16.6                                    | 16.8 | 17.2 | 17.3 | 17.9 |
| Variation of the observer position for the luminaire distance S |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                        |     | 2.2 / -1.5                                        |      |      |      |      | 2.2 / -1.5                              |      |      |      |      |
| S = 1.5H                                                        |     | 4.2 / -1.8                                        |      |      |      |      | 4.2 / -1.8                              |      |      |      |      |
| S = 2.0H                                                        |     | 5.8 / -2.2                                        |      |      |      |      | 5.8 / -2.2                              |      |      |      |      |
| Corrected glare indices referring to 606 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |