

Light efficiency:

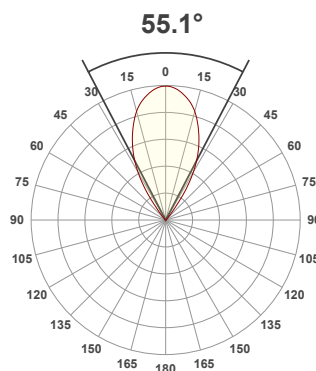
**92 Lumen/Watt**

Light quality:

**CRI: 95.1**

Color temperature:

**3000 K**



Product name:

**MT70200\_210- LED35\_Q-HO-30-WFL - 250mA**

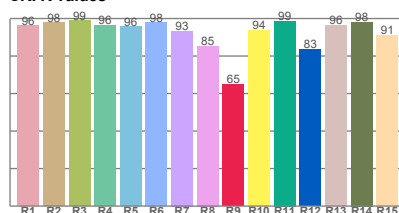
Item number:

**MicroTrim Fixed/Accent - LED35/Q-HO-30-WFL - 250mA**

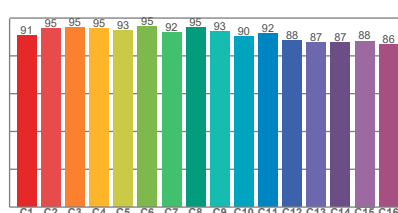
**Delivered information for above fixture and LED combination.**

**Output: 894 Lumen Peak intensity: 1178 cd Power consumption: 9.7**

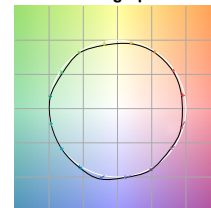
CRI R values



TM30 C Values

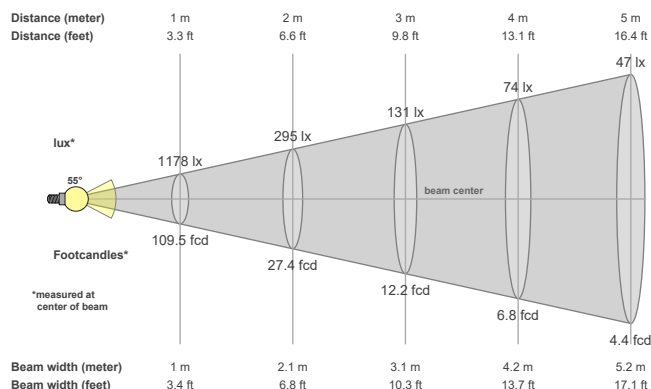


Color vector graphics



| 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            | 95.1                  | 64.9          | 91.8           | 97.4        | 92.7                | 0.437                     | 0.404                     | 0.251            | 0.348            | 0.0026                          |

#### Beam details



#### Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 55.1°          | 75.6°           | 86.9°             |

#### Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 1178 cd        | 97.9%                   | 96.0%                  |

#### 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 |
| 1178lx   | 295lx   | 131lx   | 74lx   | 47lx   | 33lx   | 24lx   | 18lx   | 15lx   | 12lx   | 10lx   | 8lx    | 7lx    | 6lx    | 5lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    |
| 109.5fcd | 27.4fcd | 12.2fcd | 6.8fcd | 4.4fcd | 3fcd   | 2.2fcd | 1.7fcd | 1.4fcd | 1.1fcd | 0.9fcd | 0.8fcd | 0.6fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 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  | 23.2                                              | 23.8 | 23.3 | 24.1 | 24.3 | 23.2                                    | 23.8 | 23.3 | 24.1 | 24.3 |
|                                                                 | 3H  | 23.1                                              | 23.9 | 23.5 | 24.1 | 24.3 | 23.1                                    | 23.9 | 23.5 | 24.1 | 24.3 |
|                                                                 | 4H  | 23.2                                              | 23.9 | 23.6 | 24.1 | 24.4 | 23.2                                    | 23.9 | 23.6 | 24.1 | 24.4 |
|                                                                 | 6H  | 23.3                                              | 23.9 | 23.6 | 24.2 | 24.6 | 23.3                                    | 23.9 | 23.6 | 24.2 | 24.6 |
|                                                                 | 8H  | 23.3                                              | 23.9 | 23.6 | 24.2 | 24.6 | 23.3                                    | 23.9 | 23.6 | 24.2 | 24.6 |
|                                                                 | 12H | 23.4                                              | 23.9 | 23.7 | 24.3 | 24.7 | 23.4                                    | 23.9 | 23.7 | 24.3 | 24.7 |
| 4H                                                              | 2H  | 22.9                                              | 23.7 | 23.3 | 23.9 | 24.1 | 22.9                                    | 23.7 | 23.3 | 23.9 | 24.1 |
|                                                                 | 3H  | 23.1                                              | 23.7 | 23.5 | 24.0 | 24.5 | 23.1                                    | 23.7 | 23.5 | 24.0 | 24.5 |
|                                                                 | 4H  | 23.2                                              | 23.7 | 23.6 | 24.1 | 24.6 | 23.2                                    | 23.7 | 23.6 | 24.1 | 24.6 |
|                                                                 | 6H  | 23.3                                              | 23.9 | 23.8 | 24.2 | 24.6 | 23.3                                    | 23.9 | 23.8 | 24.2 | 24.6 |
|                                                                 | 8H  | 23.4                                              | 23.9 | 23.9 | 24.2 | 24.6 | 23.4                                    | 23.9 | 23.9 | 24.2 | 24.6 |
|                                                                 | 12H | 23.5                                              | 23.9 | 24.0 | 24.3 | 24.8 | 23.5                                    | 23.9 | 24.0 | 24.3 | 24.8 |
| 8H                                                              | 4H  | 23.2                                              | 23.7 | 23.7 | 24.0 | 24.4 | 23.2                                    | 23.7 | 23.7 | 24.0 | 24.4 |
|                                                                 | 6H  | 23.4                                              | 23.7 | 23.9 | 24.2 | 24.7 | 23.4                                    | 23.7 | 23.9 | 24.2 | 24.7 |
|                                                                 | 8H  | 23.6                                              | 23.9 | 24.1 | 24.4 | 25.0 | 23.6                                    | 23.9 | 24.1 | 24.4 | 25.0 |
|                                                                 | 12H | 23.8                                              | 24.0 | 24.4 | 24.5 | 25.1 | 23.8                                    | 24.0 | 24.4 | 24.5 | 25.1 |
| 12H                                                             | 4H  | 23.1                                              | 23.5 | 23.6 | 23.9 | 24.4 | 23.1                                    | 23.5 | 23.6 | 23.9 | 24.4 |
|                                                                 | 6H  | 23.4                                              | 23.7 | 24.0 | 24.2 | 24.9 | 23.4                                    | 23.7 | 24.0 | 24.2 | 24.9 |
|                                                                 | 8H  | 23.6                                              | 23.8 | 24.2 | 24.3 | 24.9 | 23.6                                    | 23.8 | 24.2 | 24.3 | 24.9 |
| Variation of the observer position for the luminaire distance S |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                        |     | 4.5 / -2.9                                        |      |      |      |      | 4.5 / -2.9                              |      |      |      |      |
| S = 1.5H                                                        |     | 7.1 / -3.0                                        |      |      |      |      | 7.1 / -3.0                              |      |      |      |      |
| S = 2.0H                                                        |     | 9.0 / -3.2                                        |      |      |      |      | 9.0 / -3.2                              |      |      |      |      |
| Corrected glare indices referring to 894 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |