

# MiniLEDko Profile

Last update:  
03/07/2023



MiniLEDko Profile

Introducing

● We took our flagship product and made it smaller. Much smaller. We are proud to introduce you to the new Coemar product family, MiniLEDko.

Thanks to MiniLEDko we can expand our offer and make available all the quality we offer with LEDko, in a much smaller body.

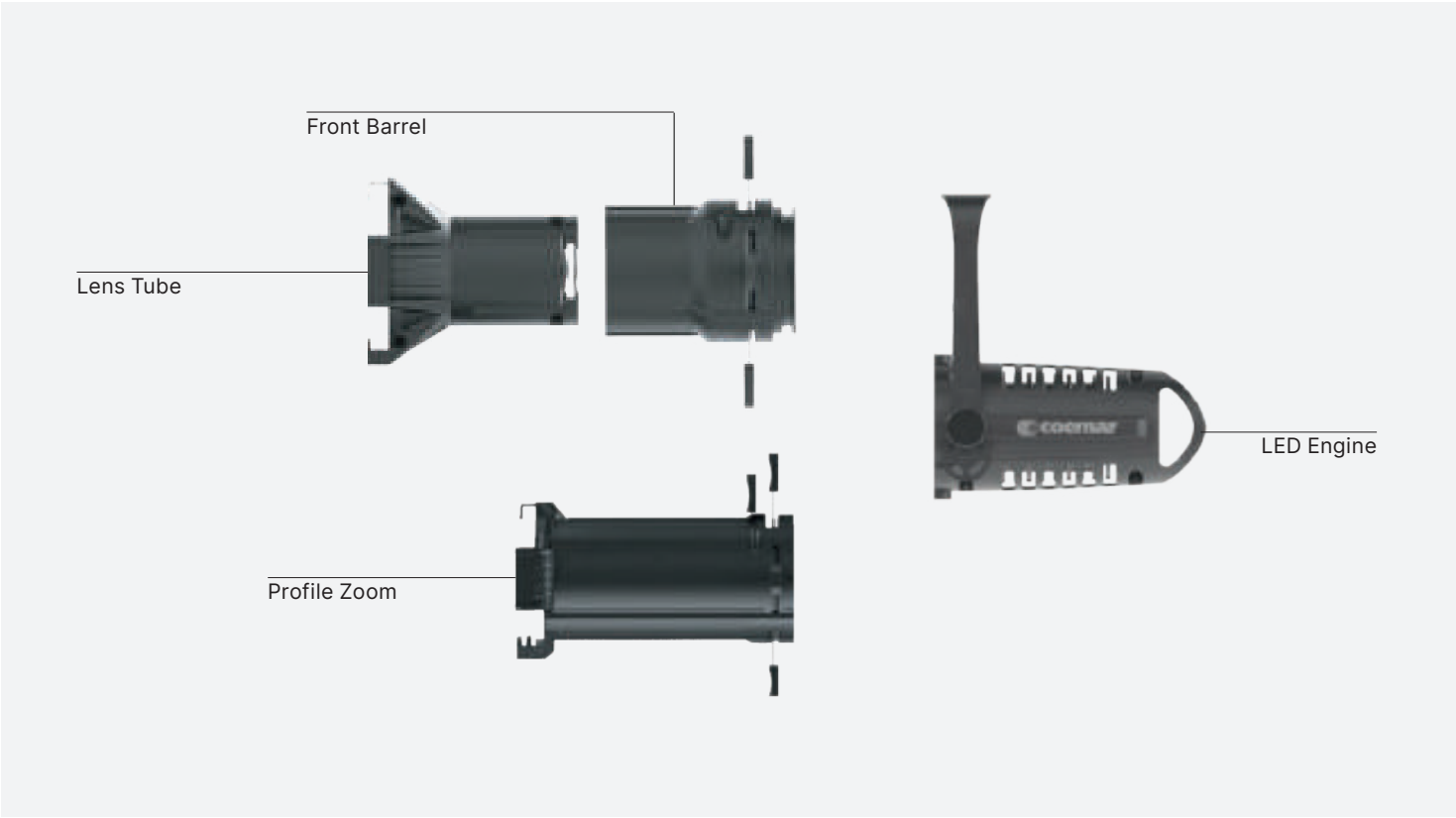
High power is not always necessary and this is why MiniLEDko was born. Anyone who needs a profiler with an incredible light emitted/power ratio must have our brand new MiniLEDko. We have thought of everything, from optics to mounting options, to communication protocols, to ensure that anyone can find the perfect product for their needs.

Configuration

- MiniLEDko are available in three different mounting options to fit any installation
1. Portable
  2. Canopy
  3. Track

Key Features

- 25 W White COB LED (T/D version)
- 35 W COB LED (VW version)
- High CRI > 95
- CCT available: 2.700 K, 3.000 K, 4.000 K, 5.600 K or Tunable white from 2700 K or 2.800 K → 5.000 K
- High lumen flux and flat field
- 19°, 26°, 36°, 50° Lens Tube, Profile Zoom 15°-35°
- Four blade framing system, each shutter blade is adjustable for radial position and angle
- Full Body in Aluminum
- Custom color on request (optional)
- Track / hanging / ceiling installation



MiniLEDko Profile - Versions

| Versions  |         |              |                                         |                    |          |                        |
|-----------|---------|--------------|-----------------------------------------|--------------------|----------|------------------------|
| Family    | Version | Optic        | Barrel                                  | Accessories        | Mounting | Controls               |
| MiniLEDko | Profile | Profile 19°  | External Barrel with 4 Shutter Blades   | Color Frame Holder | Portable | DMX512                 |
|           |         | Profile 26°  |                                         | Metal Gobo Holder  | Track    | DALI                   |
|           |         | Profile 36°  |                                         | Glass Gobo Holder  | Canopy   | On - Off               |
|           |         | Profile 50°  |                                         |                    |          | On Board Potentiometer |
|           |         |              |                                         |                    |          |                        |
|           |         | Zoom 15°-35° | Integrated Barrel with 4 Shutter Blades |                    |          |                        |



MiniLEDko Profile - Lens Tube & Profile Zoom

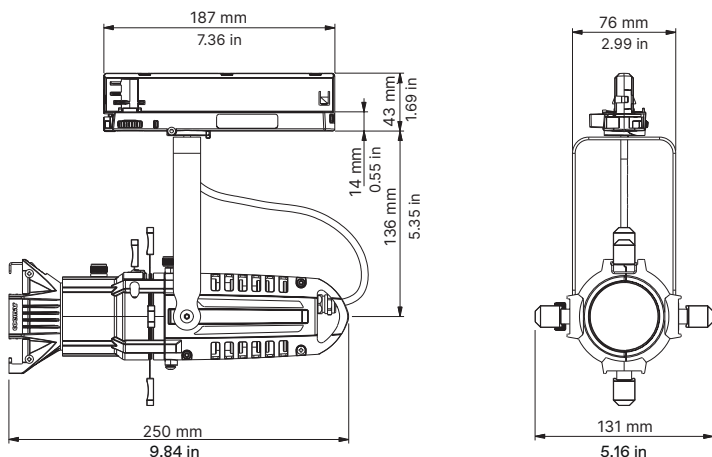


MiniLEDko Profile - Track version with potentiometer knob

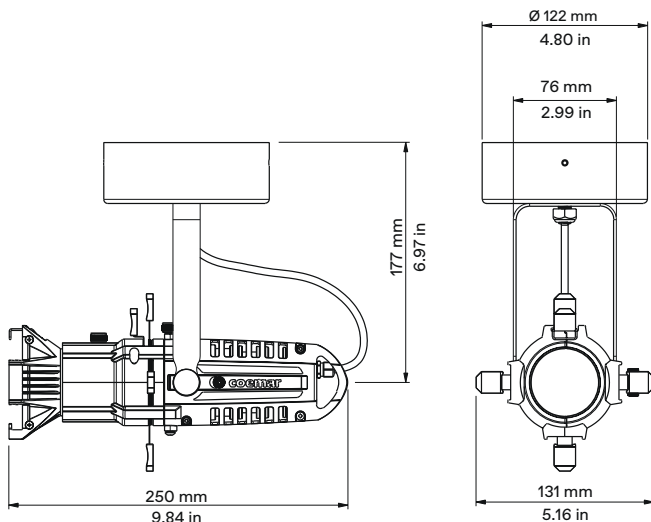


| General                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ● LED Source                       | 25 W White COB LED (T/D version), 35 W COB LED (VW version), 40 W COB LED (RGBW, soon available)                                                                                                                                                                                                                                                                                                                                                                                                |
| ● CCT Range                        | <div> <span>●</span> <span>●</span> <span>●</span> <span>●</span> <span>●</span> <span>●</span> </div> 3.000 K, 5.600 K (On request available 2.700 K, 3.500 K, 4.000 K, 5.000 K, 6.500 K) <div> <span>●</span> <span>●</span> <span>●</span> <span>●</span> <span>●</span> <span>●</span> </div> 2.700 K → 5.000 K (VariWhite Version) <div> <span>●</span> <span>●</span> <span>●</span> <span>●</span> <span>●</span> <span>●</span> </div> 2.700 K → 6.500 K (RGBW version, soon available) |
| ● Color Rendition Average          | CRI> 96 (96 @3200 K, 97 @5600 K) TLCI >98 (98 @3200 K, 99 @5600 K)<br>CRI >93 TLCI >95 (VariWhite version)                                                                                                                                                                                                                                                                                                                                                                                      |
| ● Light efficiency                 | Tungsten 26°: 631 lm, 39,94 lm/w<br>Daylight 26°: 665 lm, 42,09 lm/w                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● Available Optics                 | 19°, 26°, 36°, 50° Lens Tube, Profile Zoom 15°-35°                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ● L80 Rating (hours to 80% output) | 50.000 Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ● Pattern Projection               | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ● Pattern Size                     | Gobo outside diameter= 26 mm / 1.02 in<br>Max image diameter= 22 mm / 0.86 in<br>Max Gobo thickness= 2mm / 0.08 in (glass gobo)                                                                                                                                                                                                                                                                                                                                                                 |
| Electrical                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ● Voltage Input                    | 220-240 V, 50/60 Hz (on request available other voltage range)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ● Power Consumption                | 20 W typical - 0.07 A at 230 V, 0.15 A at 115 V - cosφ: 0.9                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ● Power Connection                 | 1.5 m (4.92 ft) integrated cable without power plug (canopy and portable version)                                                                                                                                                                                                                                                                                                                                                                                                               |
| ● Data Connection                  | In and Out DMX 5 pin locking XLR connectors (DMX version)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Thermal                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ● Ambient Operating Temperature    | 0°C - +40°C (32°F - 104°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ● Cooling                          | Passive cooling and fan-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Control                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ● Control Variants                 | On/Off, On board potentiometer, Dali, Bluetooth App , DMX, Wireless (optional)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ● RDM                              | DMX Setup, Fixture Status, RDM Commands (only DMX version)                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Physical                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ● Mounting Options                 | Track, Canopy, Portable (Hook with M10 Thread)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ● Materials                        | Aluminium construction (EN AB-46100 grade)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ● Framing System                   | Four blade framing system, each shutter blade is adjustable for radial position and angle (+/- 30°)                                                                                                                                                                                                                                                                                                                                                                                             |
| ● Rotating Shutter                 | Assembly 360°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ● Fine Texture                     | High temperature powder-coated paint                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● Four Locking                     | Stainless steel shutters in a two-plane assembly, 0.40mm (AISI 316)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ● Weight                           | 1.5 Kg / 3.31 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ● Length                           | With Lens Tube optic: 250 mm / 9.84 in - With Profile Zoom Optic: 280 mm / 11.02 in                                                                                                                                                                                                                                                                                                                                                                                                             |
| ● Height                           | Track: 208 mm / 8.19 in - Canopy: 177 mm / 6.96 in - Portable: 252 mm / 9.92 in                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ● Width                            | 131 mm / 5.15 in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ● IP Rating                        | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● Color options                    | Black (standard), custom color on request (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Optics                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BC013A020                          | Profile Zoom 15° - 35°                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BC013A000                          | Lens Tube Profile 19°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BC013A001                          | Lens Tube Profile 26°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BC013A002                          | Lens Tube Profile 36°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BC013A003                          | Lens Tube Profile 50°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| General accessories                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BC013A008                          | Metal gobo holder (included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BC013A009                          | Glass gobo holder (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BC013A100                          | Front barrel (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BC013A006                          | Color frame holder (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BC015A300                          | Track adaptor for ceiling or clamp fixing (for track version T/D - clamp not included) (optional)                                                                                                                                                                                                                                                                                                                                                                                               |

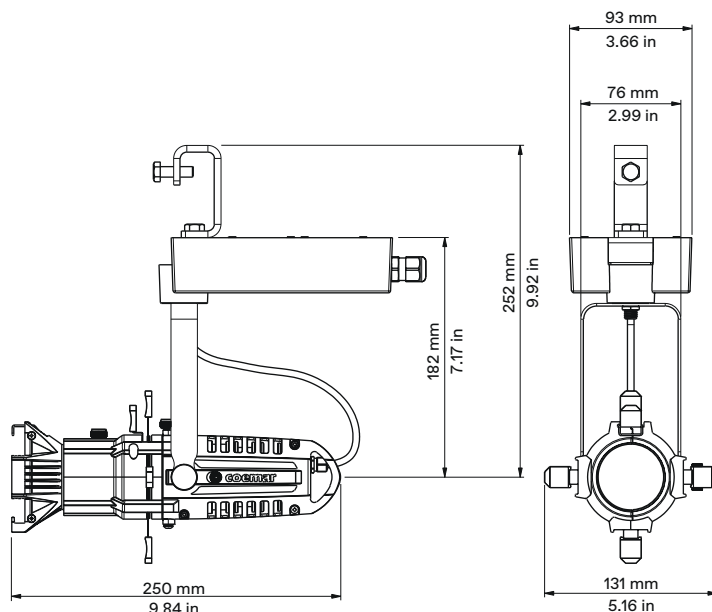
### Track version with Lens Tube with potentiometer on-board



### Canopy version with Lens Tube

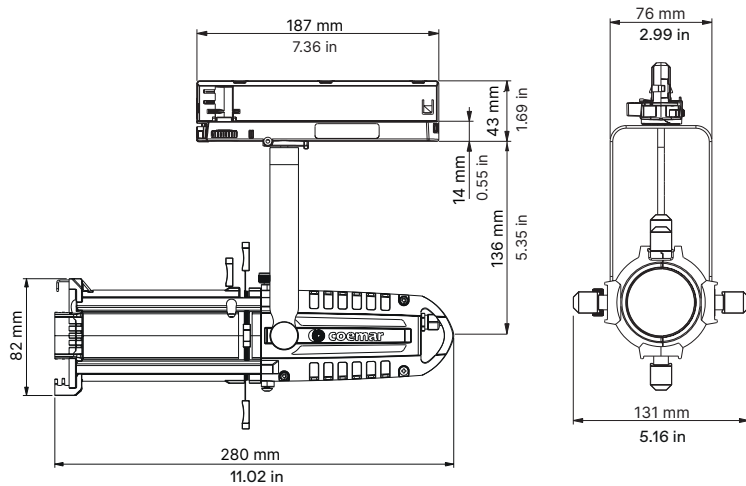


### Portable version with Lens Tube

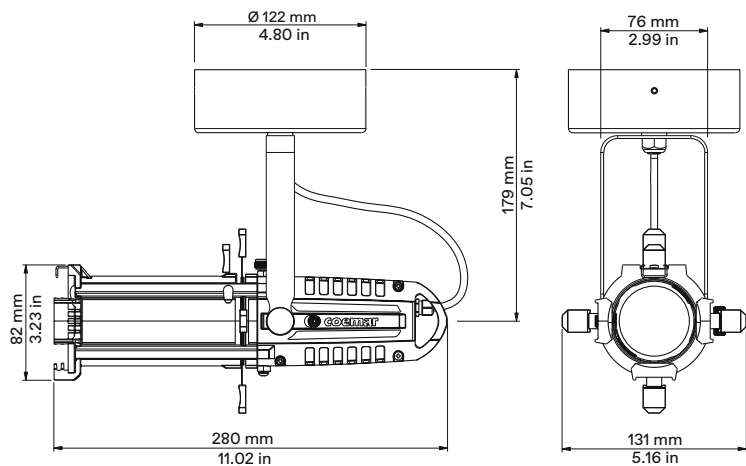


\*Hook with M10 Thread

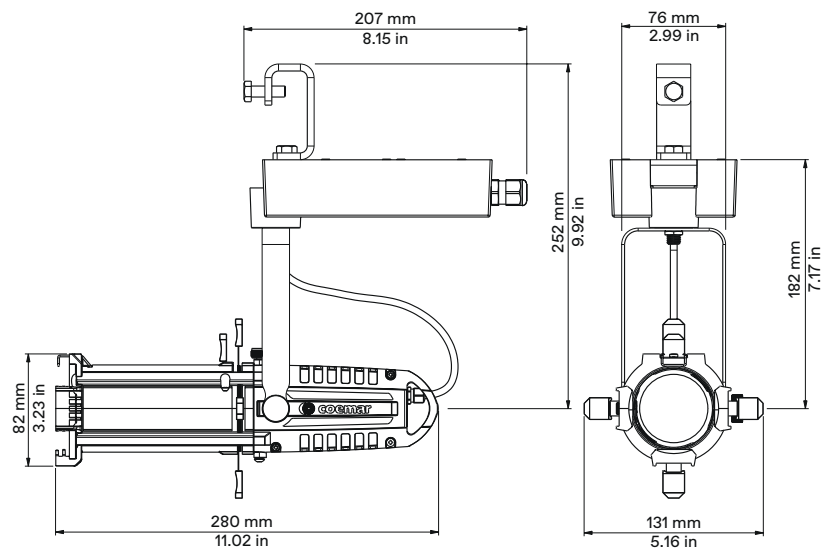
### Track version with Profile Zoom with potentiometer on-board



### Canopy version with Profile Zoom

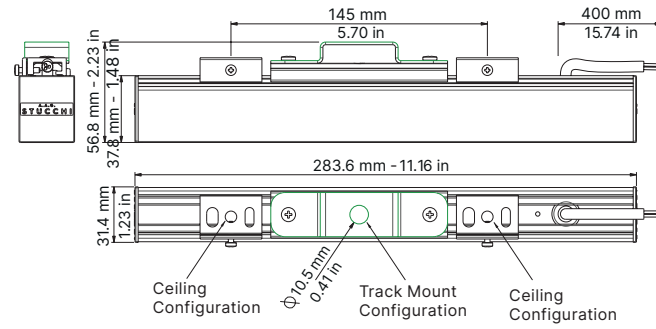


### Portable version with Profile Zoom



\*Hook with M10 Thread

# Track adaptor for ceiling or clamp fixing



DALI, DMX versions - Table A

| Manufacturer     | Type                               | Model                                                | System           |
|------------------|------------------------------------|------------------------------------------------------|------------------|
| Nordic Aluminium | Global Track pulse DALI            | XTSC 6x00<br>XTSCF 6x00<br>x=1, 2, 3, 4              | 3-phase + SIGNAL |
| Stucchi          | Three-Phase Track + Control System | 9000-.../...-ST<br>9000-.../...-R                    | 3-phase + SIGNAL |
| Powergear        | 3 Circuits DALI track system       | PRO-06X0, 064000<br>PRO-R6x0, R6400<br>x=1, 2, 3     | 3-phase + SIGNAL |
| Eutrac           | One Track                          | 575 2 1101<br>575 2 1102<br>575 2 1103<br>575 2 1104 | 3-phase + SIGNAL |

On/Off, On board potentiometer, Bluetooth App versions - Table B \*

| Manufacturer     | Type                         | Model                      | System  |
|------------------|------------------------------|----------------------------|---------|
| Nordic Aluminium | Global Track Pro             | XTS 4x000<br>x= 1, 2, 3, 4 | 3-phase |
| Eutrac           | Surface Track                | 25-x0<br>x= 1, 2, 3, 4     | 3-phase |
| Zumtobel         | 3 Circuits DALI track system | S2 801<br>S2 803           | 3-phase |
| Ivela            | 3-phase LKM                  | 7501-x0<br>x= 1, 2, 3, 4   | 3-phase |
| Powergear        | 3 Circuit Track system       | PRO-04x0<br>x= 1, 2, 3     | 3-phase |

\* On/Off, On board potentiometer, Bluetooth App versions products can also be switched on and powered by the tracks indicated in table A, but obviously they cannot be controlled or dimmed via a control signal

| MiniLEDko family |      | LED source |   | Color  |   | Mounting |   | IP   |   | Control                        |   |
|------------------|------|------------|---|--------|---|----------|---|------|---|--------------------------------|---|
| Profile          | F113 | T (CRI>95) | A | Black  | 0 | None     | A | IP20 | 0 | None                           | A |
|                  |      | D (CRI>95) | B | Silver | 1 | Track    | B |      |   | DMX Control                    | B |
|                  |      | VariWhite  | G | White  | 2 | Portable | C |      |   | DALI Control                   | C |
|                  |      |            |   | Custom | X | Canopy   | D |      |   | Bluetooth App Control          | D |
|                  |      |            |   |        |   |          |   |      |   | On Board Potentiometer Control | E |
|                  |      |            |   |        |   |          |   |      |   | On-Off Control                 | F |



Private House - Painting collection Illumination, Milan

|          |                   |
|----------|-------------------|
| Product  | MiniLEDko Profile |
| CCT      | 3.200K            |
| CRI      | >95               |
| Version  | Lens 26°          |
| Control  | Dali              |
| Mounting | Track             |



Museum - Museum of the Future, Dubai

|                |                   |
|----------------|-------------------|
| Product        | MiniLEDko Profile |
| CCT            | 2.700K → 5.000K   |
| CRI            | >95               |
| Version        | Lens 19°, 50°     |
| Control        | DMX               |
| Mounting       | Track             |
| Light Designer | Light Link        |



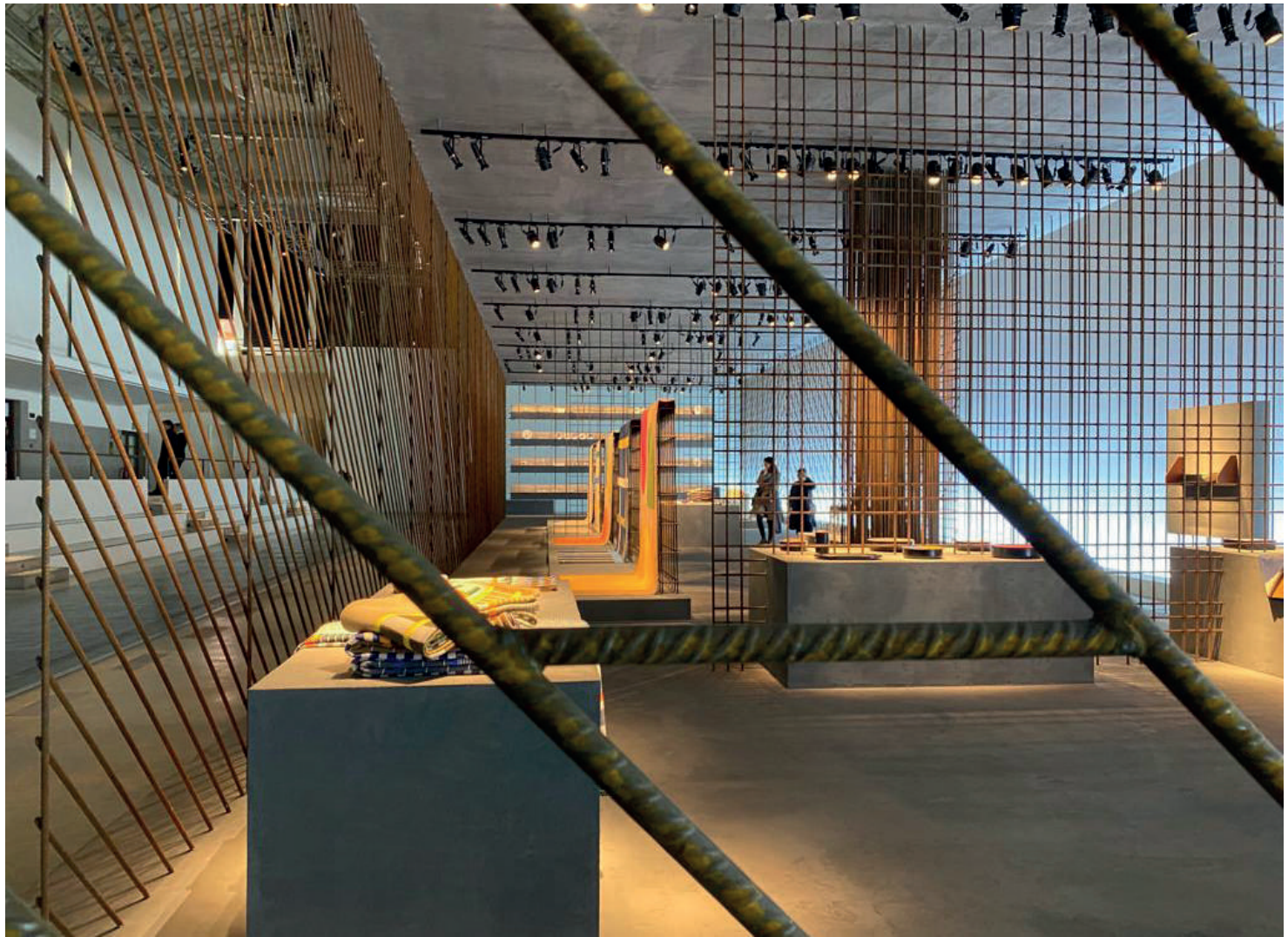
Industrial - Gobo projection for industrial building, Italy

|          |                   |
|----------|-------------------|
| Product  | MiniLEDko Profile |
| CCT      | 4.000K            |
| CRI      | 80                |
| Version  | Lens 19°          |
| Mounting | Canopy            |



Theme Park - Città dei bambini, Genoa, Italy

|          |                   |
|----------|-------------------|
| Product  | MiniLEDko Profile |
| CCT      | 4.000K            |
| CRI      | >95               |
| Version  | 26°, 36°, 50°     |
| Control  | Dali              |
| Mounting | Track             |



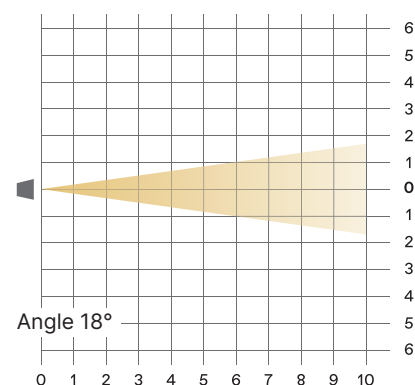
Exhibition - Salone del Mobile, Milan, Italy

|                |                    |
|----------------|--------------------|
| Product        | MiniLEDko Profile  |
| CCT            | 3.000K             |
| CRI            | > 95               |
| Light Designer | Alessandro Mantero |

## Mini LEDko Profile Fixed White (High CRI)

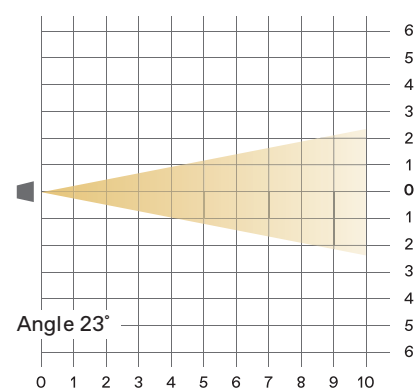
## Optic: Lens Tube Profile 19°

| Distance(m)    | 1      | 2      | 3       | 4     | 5    | 6    | 7    | 8    | 9    | 10   |     |
|----------------|--------|--------|---------|-------|------|------|------|------|------|------|-----|
| lux            | 3.000K | 9.531  | 2.383   | 1.059 | 596  | 381  | 265  | 195  | 149  | 118  | 95  |
|                | 5.600K | 10.503 | 2.626   | 1.167 | 656  | 420  | 292  | 214  | 164  | 130  | 105 |
|                |        |        |         |       |      |      |      |      |      |      |     |
| Diameter Ø (m) | 0,30   | 0,60   | 0,90    | 1,20  | 1,49 | 1,79 | 2,09 | 2,39 | 2,69 | 2,99 |     |
| lux            | 3.000K | CRI 96 | TLCI 99 |       |      |      |      |      |      |      |     |
|                | 5.000K | CRI 98 | TLCI 99 |       |      |      |      |      |      |      |     |



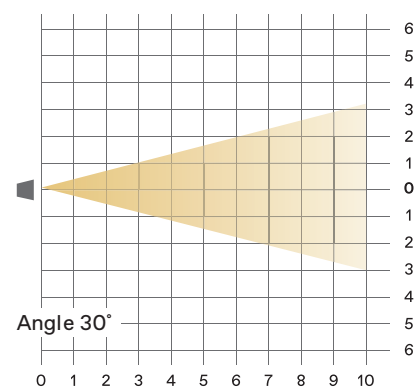
## Optic: Lens Tube Profile 26°

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 4.815  | 1.204   | 535  | 301  | 193  | 134  | 98   | 75   | 59   | 48 |
|                | 5.600K | 5.688  | 1.422   | 632  | 356  | 228  | 158  | 118  | 89   | 70   | 57 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,41   | 0,81   | 1,22    | 1,63 | 2,03 | 2,44 | 2,85 | 3,26 | 3,66 | 4,07 |    |
| lux            | 3.000K | CRI 96 | TLCI 98 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 98 | TLCI 99 |      |      |      |      |      |      |      |    |



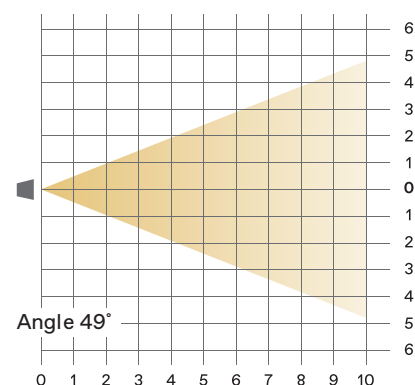
## Optic: Lens Tube Profile 36°

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 3.069  | 767     | 341  | 192  | 123  | 85   | 63   | 48   | 38   | 31 |
|                | 5.600K | 3.690  | 923     | 410  | 231  | 148  | 103  | 75   | 58   | 46   | 37 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,54   | 1,07   | 1,61    | 2,14 | 2,68 | 3,22 | 3,75 | 4,29 | 4,82 | 5,36 |    |
| lux            | 3.000K | CRI 97 | TLCI 98 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 97 | TLCI 99 |      |      |      |      |      |      |      |    |



## Optic: Lens Tube Profile 50°

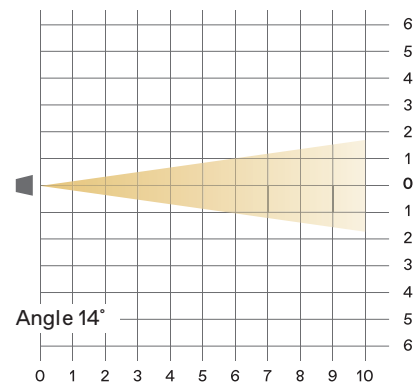
| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 1.512  | 338     | 168  | 95   | 60   | 42   | 31   | 24   | 19   | 15 |
|                | 5.600K | 1.683  | 421     | 187  | 105  | 67   | 47   | 34   | 26   | 21   | 17 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,91   | 1,82   | 2,73    | 3,65 | 4,56 | 5,47 | 6,38 | 7,29 | 8,20 | 9,11 |    |
| lux            | 3.000K | CRI 96 | TLCI 99 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 07 | TLCI 99 |      |      |      |      |      |      |      |    |



## Mini LEDko Profile Fixed White (High CRI)

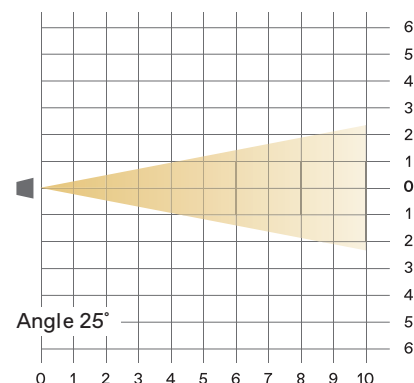
## Optic: Zoom Profile 15°-35° - Narrow Zoom

| Distance(m)    | 1      | 2      | 3       | 4     | 5    | 6    | 7    | 8    | 9    | 10   |     |
|----------------|--------|--------|---------|-------|------|------|------|------|------|------|-----|
| lux            | 3.000K | 12.834 | 3.209   | 1.426 | 802  | 513  | 357  | 267  | 201  | 158  | 128 |
|                | 5.600K | 14.733 | 3.683   | 1.637 | 921  | 589  | 409  | 301  | 230  | 182  | 147 |
|                |        |        |         |       |      |      |      |      |      |      |     |
| Diameter Ø (m) | 0,25   | 0,49   | 0,74    | 0,98  | 1,23 | 1,47 | 1,72 | 1,96 | 2,21 | 2,48 |     |
| lux            | 3.000K | CRI 96 | TLCI 99 |       |      |      |      |      |      |      |     |
|                | 5.000K | CRI 97 | TLCI 99 |       |      |      |      |      |      |      |     |



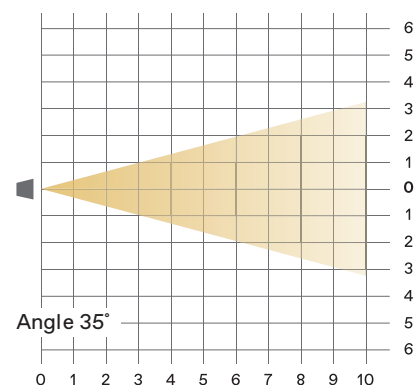
## Optic: Zoom Profile 15°-35° - Medium Zoom

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 4.788  | 1.197   | 532  | 299  | 192  | 133  | 98   | 75   | 59   | 48 |
|                | 5.600K | 6.012  | 1.503   | 668  | 668  | 240  | 167  | 123  | 94   | 74   | 60 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,44   | 0,89   | 1,33    | 1,77 | 2,22 | 2,66 | 3,10 | 3,55 | 3,99 | 4,43 |    |
| lux            | 3.000K | CRI 97 | TLCI 98 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 98 | TLCI 99 |      |      |      |      |      |      |      |    |



## Optic: Zoom Profile 15°-35° - Wide Zoom

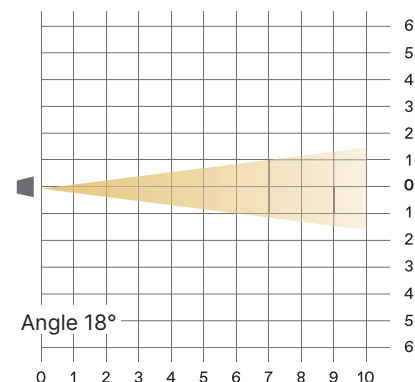
| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 2.574  | 644     | 286  | 161  | 103  | 72   | 53   | 40   | 32   | 26 |
|                | 5.600K | 3.258  | 815     | 362  | 204  | 130  | 91   | 66   | 51   | 40   | 33 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,63   | 1,26   | 1,89    | 2,04 | 3,15 | 3,78 | 4,41 | 5,04 | 5,68 | 6,31 |    |
|                |        |        |         |      |      |      |      |      |      |      |    |
| lux            | 3.000K | CRI 97 | TLCI 98 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 98 | TLCI 99 |      |      |      |      |      |      |      |    |



## Mini LEDko Profile Fixed White CRI 80

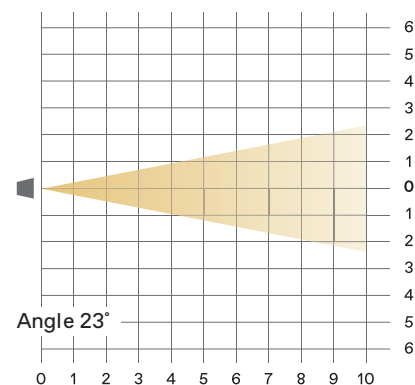
## Optic: Lens Tube Profile 19°

| Distance(m)    | 1      | 2      | 3       | 4     | 5    | 6    | 7    | 8    | 9    | 10   |      |
|----------------|--------|--------|---------|-------|------|------|------|------|------|------|------|
| lux            | 4.000K | 12.656 | 3.164   | 1.406 | 791  | 506  | 352  | 258  | 198  | 156  | 127  |
|                | 5.600K | n.a.   | n.a.    | n.a.  | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
|                |        |        |         |       |      |      |      |      |      |      |      |
| Diameter Ø (m) | 0,32   | 0,63   | 0,95    | 1,27  | 1,58 | 1,90 | 2,22 | 2,53 | 2,85 | 3,17 |      |
| lux            | 4.000K | CRI 80 | TLCI 64 |       |      |      |      |      |      |      |      |



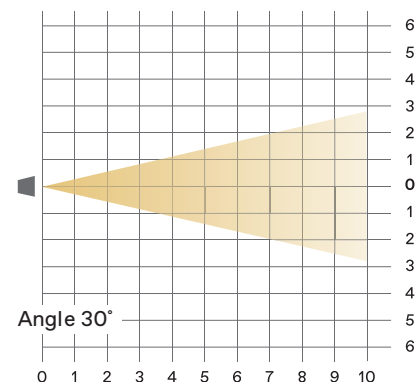
## Optic: Lens Tube Profile 26°

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |      |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|------|
| lux            | 4.000K | 7.218  | 1.805   | 802  | 451  | 289  | 201  | 147  | 113  | 89   | 72   |
|                | 5.600K | n.a.   | n.a.    | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
|                |        |        |         |      |      |      |      |      |      |      |      |
| Diameter Ø (m) | 0.41   | 0,81   | 1,22    | 1,63 | 2,03 | 2,33 | 2,85 | 3,26 | 3,66 | 4,07 |      |
| lux            | 4.000K | CRI 80 | TLCI 64 |      |      |      |      |      |      |      |      |



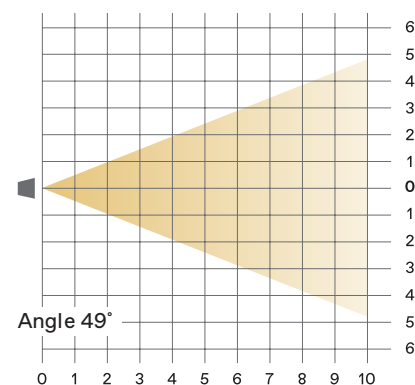
## Optic: Lens Tube Profile 36°

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |      |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|------|
| lux            | 4.000K | 4.435  | 1.109   | 493  | 277  | 177  | 123  | 91   | 69   | 55   | 44   |
|                | 5.600K | n.a.   | n.a.    | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
|                |        |        |         |      |      |      |      |      |      |      |      |
| Diameter Ø (m) | 0,54   | 1,07   | 1,61    | 2,14 | 2,68 | 3,22 | 3,75 | 4,29 | 4,82 | 5,36 |      |
| lux            | 4.000K | CRI 80 | TLCI 64 |      |      |      |      |      |      |      |      |



## Optic: Lens Tube Profile 50°

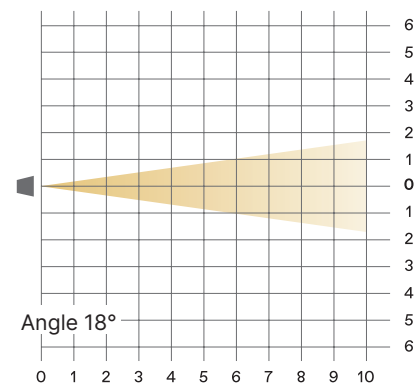
| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |      |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|------|
| lux            | 4.000K | 2.187  | 547     | 243  | 137  | 87   | 61   | 45   | 34   | 27   | 22   |
|                | 5.600K | n.a.   | n.a.    | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
|                |        |        |         |      |      |      |      |      |      |      |      |
| Diameter Ø (m) | 0,91   | 1,82   | 2,73    | 3,65 | 4,56 | 5,47 | 6,38 | 7,29 | 8,20 | 9,11 |      |
| lux            | 4.000K | CRI 80 | TLCI 64 |      |      |      |      |      |      |      |      |



## Mini LEDko Profile VariWhite

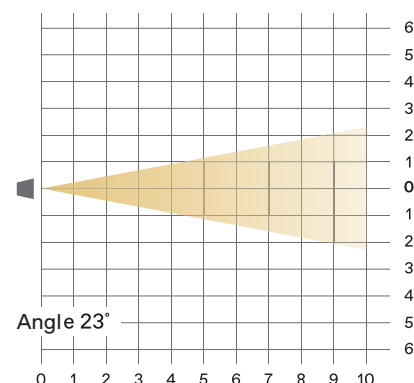
## Optic: Lens Tube Profile 19°

| Distance(m)    |        | 1      | 2       | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|------|
| lux            | 3.000K | 5.136  | 1.284   | 571  | 321  | 205  | 143  | 105  | 80   | 63   | 51   |
|                | 5.600K | 5.884  | 1.471   | 654  | 368  | 235  | 163  | 120  | 92   | 73   | 59   |
|                |        |        |         |      |      |      |      |      |      |      |      |
| Diameter Ø (m) |        | 0,32   | 0,63    | 0,95 | 1,27 | 1,58 | 1,90 | 2,22 | 2,53 | 2,85 | 3,17 |
| lux            | 3.000K | CRI 93 | TLCI 94 |      |      |      |      |      |      |      |      |
|                | 5.000K | CRI 94 | TLCI 96 |      |      |      |      |      |      |      |      |



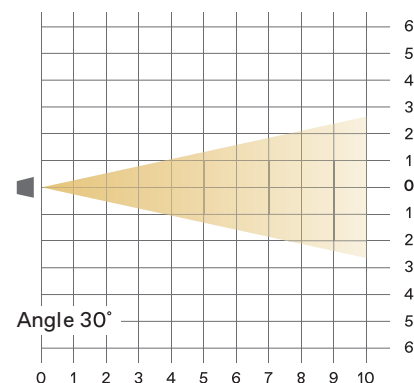
## Optic: Lens Tube Profile 26°

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 3.012  | 753     | 335  | 188  | 120  | 84   | 61   | 47   | 37   | 30 |
|                | 5.600K | 3.648  | 912     | 405  | 228  | 146  | 101  | 74   | 57   | 45   | 36 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,41   | 0,81   | 1,22    | 1,63 | 2,03 | 2,44 | 2,85 | 3,26 | 3,66 | 4,07 |    |
| lux            | 3.000K | CRI 93 | TLCI 95 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 94 | TLCI 96 |      |      |      |      |      |      |      |    |



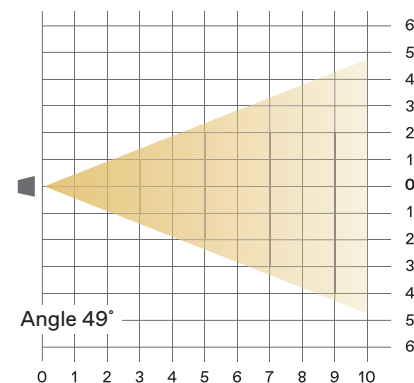
## Optic: Lens Tube Profile 36°

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 1.848  | 462     | 205  | 116  | 74   | 51   | 38   | 29   | 23   | 18 |
|                | 5.600K | 2.036  | 509     | 226  | 127  | 81   | 57   | 42   | 32   | 25   | 20 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,54   | 1,07   | 1,61    | 2,14 | 2,68 | 3,22 | 3,75 | 4,29 | 4,82 | 5,36 |    |
| lux            | 3.000K | CRI 93 | TLCI 95 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 94 | TLCI 96 |      |      |      |      |      |      |      |    |



## Optic: Lens Tube Profile 50°

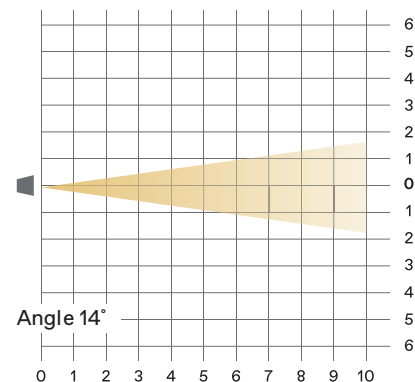
| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 832    | 208     | 92   | 51   | 33   | 23   | 17   | 13   | 10   | 8  |
|                | 5.600K | 968    | 242     | 108  | 61   | 39   | 27   | 20   | 15   | 12   | 10 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,91   | 1,82   | 2,73    | 3,65 | 4,56 | 5,47 | 6,38 | 7,29 | 8,20 | 9,11 |    |
| lux            | 3.000K | CRI 93 | TLCI 95 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 94 | TLCI 96 |      |      |      |      |      |      |      |    |



## Mini LEDko Profile VariWhite

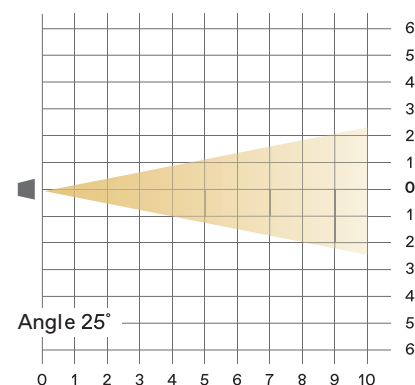
## Optic: Zoom Profile 14° - Narrow Zoom

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 6.000  | 1.500   | 667  | 375  | 240  | 167  | 122  | 94   | 74   | 60 |
|                | 5.600K | 7.016  | 1.754   | 780  | 439  | 281  | 195  | 143  | 110  | 87   | 70 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,25   | 0,49   | 0,74    | 0,98 | 1,23 | 1,47 | 1,72 | 1,96 | 2,21 | 2,46 |    |
| lux            | 3.000K | CRI 92 | TLCI 95 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 94 | TLCI 96 |      |      |      |      |      |      |      |    |



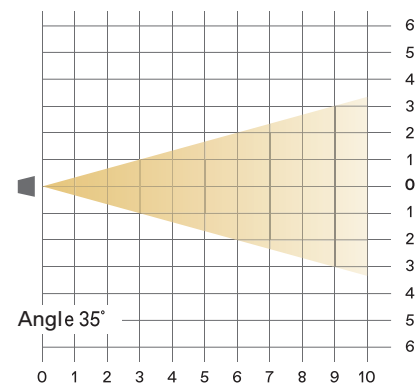
## Optic: Zoom Profile 24° - Medium Zoom

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 3.212  | 803     | 357  | 201  | 128  | 89   | 66   | 50   | 40   | 32 |
|                | 5.600K | 3.424  | 856     | 380  | 214  | 137  | 95   | 70   | 54   | 42   | 34 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,44   | 0,89   | 1,33    | 1,77 | 2,22 | 2,66 | 3,10 | 3,55 | 3,99 | 4,43 |    |
| lux            | 3.000K | CRI 92 | TLCI 95 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 95 | TLCI 96 |      |      |      |      |      |      |      |    |



## Optic: Zoom Profile 34° - Wide Zoom

| Distance(m)    | 1      | 2      | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   |    |
|----------------|--------|--------|---------|------|------|------|------|------|------|------|----|
| lux            | 3.000K | 1.708  | 427     | 180  | 107  | 68   | 47   | 35   | 27   | 21   | 17 |
|                | 5.600K | 1.812  | 453     | 201  | 113  | 72   | 50   | 37   | 28   | 22   | 18 |
|                |        |        |         |      |      |      |      |      |      |      |    |
| Diameter Ø (m) | 0,63   | 1,26   | 1,89    | 2,52 | 3,15 | 3,78 | 4,41 | 5,04 | 5,68 | 6,31 |    |
| lux            | 3.000K | CRI 92 | TLCI 95 |      |      |      |      |      |      |      |    |
|                | 5.000K | CRI 94 | TLCI 96 |      |      |      |      |      |      |      |    |

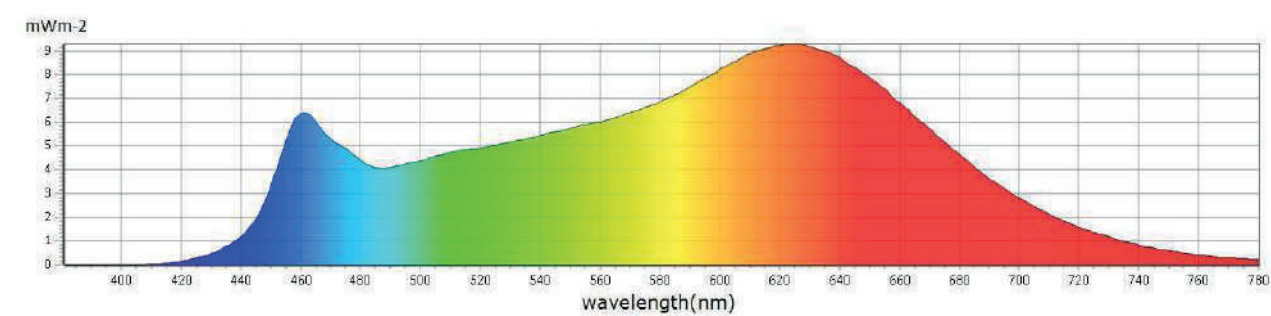


Mini LEDko Profile VariWhite 36° Lens Tube  
3200K Test Report

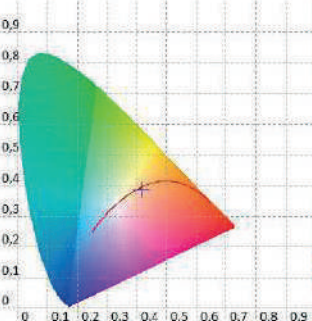
BASIC

|         |          |
|---------|----------|
| CCT     | : 3278 K |
| x       | : 0,4135 |
| y       | : 0,3853 |
| LambdaD | : 583 nm |
| LambdaP | : 625 nm |

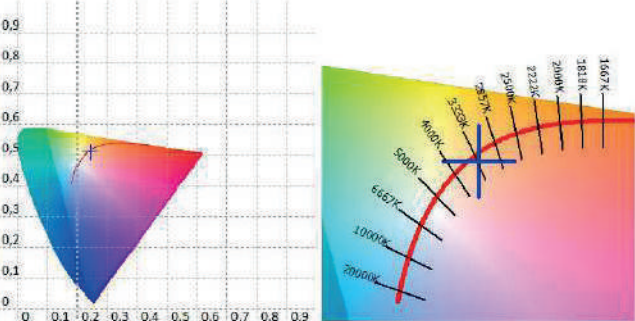
Spectrum



CIE1931



CIE1976

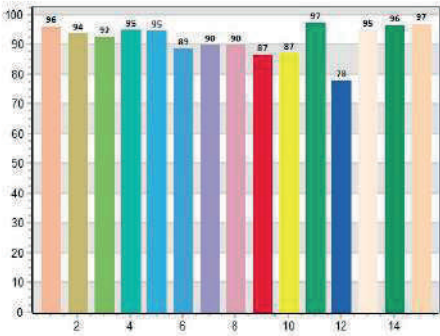


Features

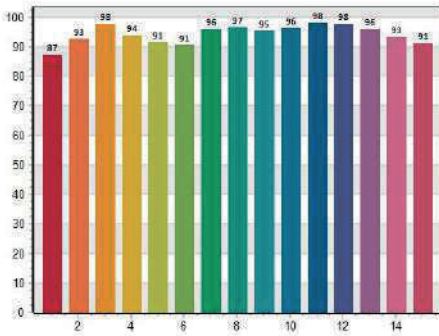
|                   |               |                    |                  |                            |             |           |            |
|-------------------|---------------|--------------------|------------------|----------------------------|-------------|-----------|------------|
| CCT : 3278 K      | x10 : 0,4176  | delta-x : -0,0049  | LambdaD : 583 nm | PPFD : 7,591 umolm-2s-1    | S/P : 1,69  | R3 : 92,4 | R10 : 87,3 |
| LUX : 462,9 lx    | y10 : 0,3885  | delta-y : -0,0116  | LambdaP : 625 nm | PFD : 8,092 umolm-2s-1     | IRR : 1,653 | R4 : 94,8 | R11 : 97,3 |
| I-Time : 28000 us | u'10 : 0,2447 | delta-u' : 0,0017  | Purity : 39,89%  | PFD-B : 1,098 umolm-2s-1   | CQS : 93,4  | R5 : 94,7 | R12 : 77,9 |
| x : 0,4135        | v'10 : 0,5122 | delta-v' : -0,0055 | fc : 43,02       | PFD-G : 2,751 umolm-2s-1   | CRI : 92,5  | R6 : 88,7 | R13 : 94,8 |
| y : 0,3853        | X : 496,84    | Duv : -0,0041      | Rf : 89,1        | PFD-R : 3,742 umolm-2s-1   | TLCI : 94,8 | R7 : 89,8 | R14 : 96,4 |
| u' : 0,2434       | Y : 462,91    | MEL : 325,4 lx     | Rg : 96,7        | PFD-UV : 0,0000 umolm-2s-1 | R1 : 96,2   | R8 : 90,0 | R15 : 96,9 |
| v' : 0,5102       | Z : 241,73    | LambdaPV : 9,283   | GAI : 68,0       | PFD-FR : 0,5006 umolm-2s-1 | R2 : 93,6   | R9 : 86,7 |            |

Mini LEDko Profile VariWhite 36° Lens Tube  
3200K Test Report

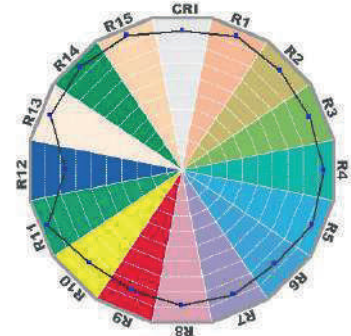
CRI: 92,51



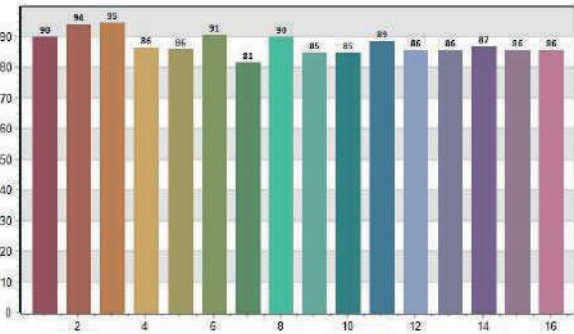
CQS: 93,38



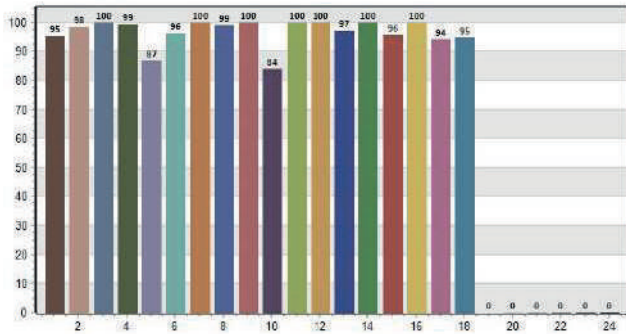
CRI-2



TM30: 89,08



TLCI: 94,75



CRI values, only R1-R8 are used to calculate final CRI

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,2 | 93,6 | 92,4 | 94,8 | 94,7 | 88,7 | 89,8 | 90,0 | 86,7 | 87,3 | 97,3 | 77,9 | 94,8 | 96,4 | 96,9 |

TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89,8 | 94,1 | 94,5 | 86,4 | 85,9 | 90,5 | 81,5 | 89,8 | 84,6 | 84,7 | 88,6 | 85,5 | 85,7 | 86,7 | 85,5 | 85,6 |

CQS Q values

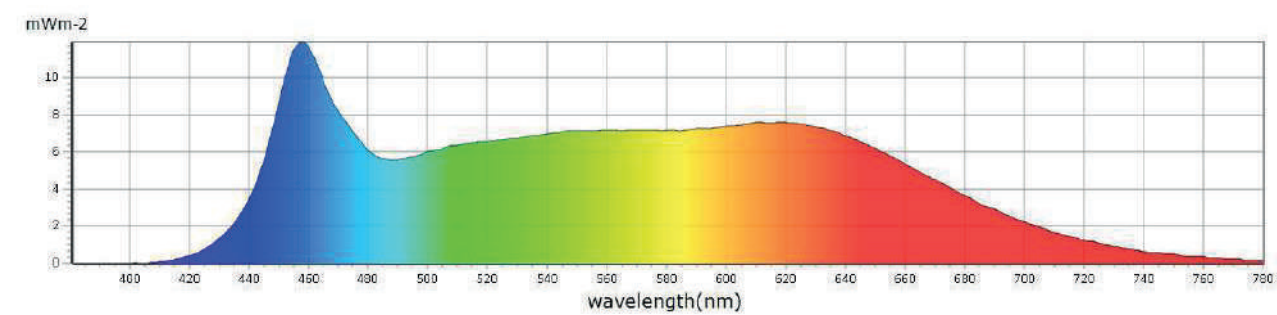
| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 87,4 | 92,6 | 97,7 | 94,0 | 91,4 | 90,6 | 95,0 | 96,6 | 95,3 | 96,2 | 98,1 | 97,8 | 96,0 | 93,2 | 91,2 |

Mini LEDko Profile VariWhite 36° Lens Tube  
5000K Test Report

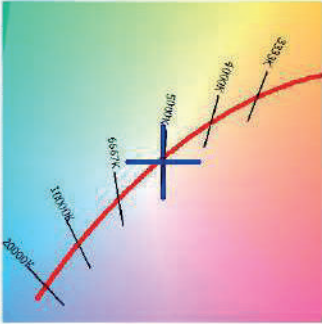
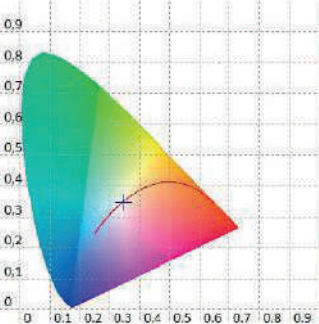
BASIC

|         |          |
|---------|----------|
| CCT     | : 5014 K |
| x       | : 0,3444 |
| y       | : 0,3475 |
| LambdaD | : 575 nm |
| LambdaP | : 457 nm |

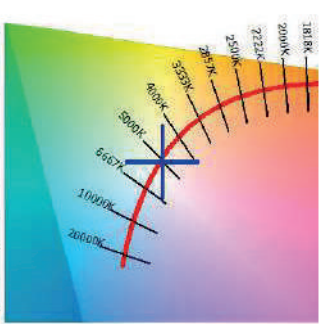
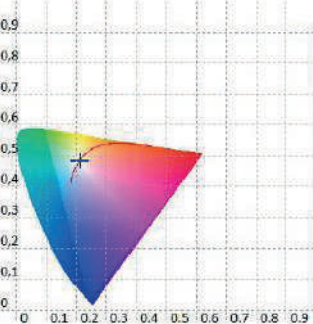
Spectrum



CIE1931



CIE1976

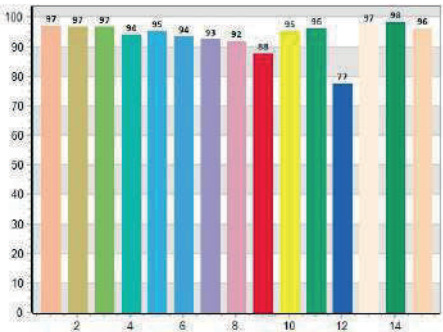


Features

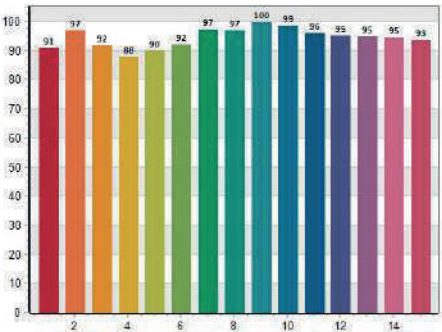
|                   |               |                    |                  |                            |             |           |            |
|-------------------|---------------|--------------------|------------------|----------------------------|-------------|-----------|------------|
| CCT : 5014 K      | x10 : 0,3479  | delta-x : -0,0004  | LambdaD : 575 nm | PPFD : 8,121 umolm-2s-1    | S/P : 2,17  | R3 : 96,9 | R10 : 95,3 |
| LUX : 509,7 lx    | y10 : 0,3521  | delta-y : -0,0038  | LambdaP : 457 nm | PFD : 8,517 umolm-2s-1     | IRR : 1,813 | R4 : 94,0 | R11 : 96,2 |
| I-Time : 16000 us | u'10 : 0,2131 | delta-u' : 0,0012  | Purity : 7,58%   | PFD-B : 1,911 umolm-2s-1   | CQS : 93,5  | R5 : 95,4 | R12 : 77,5 |
| x : 0,3444        | v'10 : 0,4853 | delta-v' : -0,0019 | fc : 47,37       | PFD-G : 3,193 umolm-2s-1   | CRI : 94,8  | R6 : 93,6 | R13 : 97,5 |
| y : 0,3475        | X : 505,07    | Duv : -0,0018      | Rf : 91,0        | PFD-R : 3,017 umolm-2s-1   | TLCI : 96,0 | R7 : 92,6 | R14 : 98,3 |
| u' : 0,2125       | Y : 509,68    | MEL : 486,7 lx     | Rg : 98,0        | PFD-UV : 0,0004 umolm-2s-1 | R1 : 97,0   | R8 : 92,1 | R15 : 96,2 |
| v' : 0,4825       | Z : 451,93    | LambdaPV : 11,93   | GAI : 89,6       | PFD-ER : 0,3955 umolm-2s-1 | R2 : 96,7   | R9 : 87,9 |            |

Mini LEDko Profile VariWhite 36° Lens Tube  
5000K Test Report

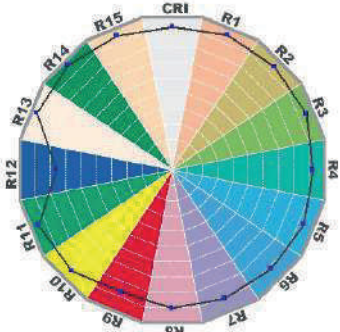
CRI: 94,79



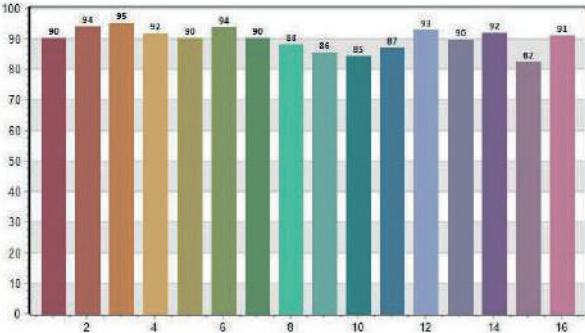
CQS: 93,53



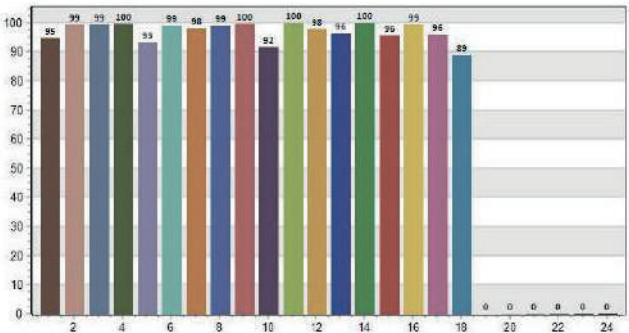
CRI-2



TM30: 90,97



TLCI: 95,97



CRI values, only R1-R8 are used to calculate final CRI

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,0 | 96,7 | 96,9 | 94,0 | 95,4 | 93,6 | 92,6 | 92,1 | 87,9 | 95,3 | 96,2 | 77,5 | 97,5 | 98,3 | 96,2 |

TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,3 | 94,0 | 95,3 | 91,7 | 90,2 | 93,8 | 90,2 | 88,4 | 85,5 | 84,6 | 87,0 | 93,0 | 89,8 | 92,2 | 82,4 | 91,1 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,9 | 97,1 | 91,7 | 87,9 | 89,9 | 92,1 | 97,2 | 97,1 | 99,7 | 98,6 | 96,2 | 95,1 | 94,7 | 94,6 | 93,5 |

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