



# ReLite LED Kit for ADB C201 - Photometric Report

Dernière mise à jour:  
12/12/2023

**ReLite LED Kit for ADB C201 - Minimum Zoom - 3.200K**

Mesures à 4,5 mètres

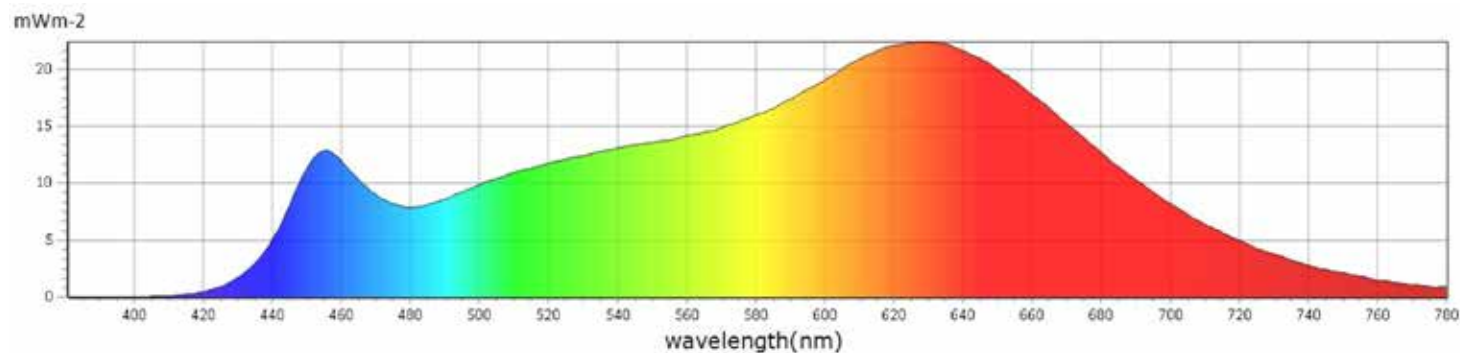
## General

|           |        |
|-----------|--------|
| ● CCT     | 3143 K |
| ● x       | 0,4182 |
| ● y       | 0,3850 |
| ● LambdaD | 584 nm |
| ● LambdaP | 628 nm |

## Measurements

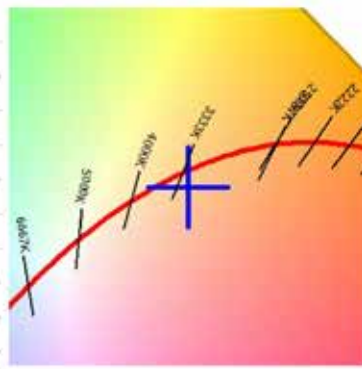
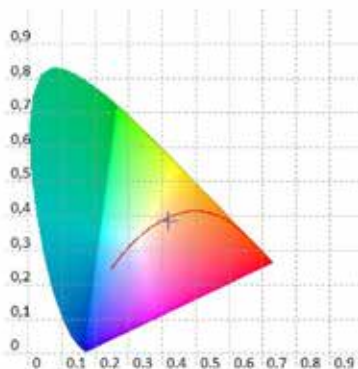
|                  |               |                    |                  |                                                    |             |           |            |
|------------------|---------------|--------------------|------------------|----------------------------------------------------|-------------|-----------|------------|
| CCT : 3143 K     | x10 : 0,4255  | delta-x : -0,0053  | LambdaD : 584 nm | PPFD : 172,0 $\mu\text{molm}^{-2}\text{s}^{-1}$    | S/P : 1,59  | R3 : 97,5 | R10 : 92,8 |
| LUX : 10197 lx   | y10 : 0,3897  | delta-y : -0,0117  | LambdaP : 627 nm | PFD : 187,9 $\mu\text{molm}^{-2}\text{s}^{-1}$     | IRR : 37,91 | R4 : 98,3 | R11 : 95,2 |
| I-Time : 1200 us | u'10 : 0,2493 | delta-u' : 0,0016  | Purity : 43,23%  | PFD-B : 21,70 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CQS : 95,9  | R5 : 96,1 | R12 : 85,6 |
| x : 0,4218       | v'10 : 0,5139 | delta-v' : -0,0056 | fc : 947,7       | PFD-G : 60,47 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CRI : 95,8  | R6 : 92,3 | R13 : 95,8 |
| y : 0,3888       | X : 11063,07  | Duv : -0,0040      | Rf : 94,3        | PFD-R : 89,78 $\mu\text{molm}^{-2}\text{s}^{-1}$   | TLCl : 97,7 | R7 : 94,8 | R14 : 98,9 |
| u' : 0,2473      | Y : 10196,94  | MEL : 6582 lx      | Rg : 100,8       | PFD-UV : 0,0003 $\mu\text{molm}^{-2}\text{s}^{-1}$ | R1 : 96,6   | R8 : 95,0 | R15 : 98,1 |
| v' : 0,5129      | Z : 4969,44   | LambdaPV : 210,8   | GAI : 67,5       | PFD-FR : 15,91 $\mu\text{molm}^{-2}\text{s}^{-1}$  | R2 : 96,1   | R9 : 92,4 |            |

## Spectrum

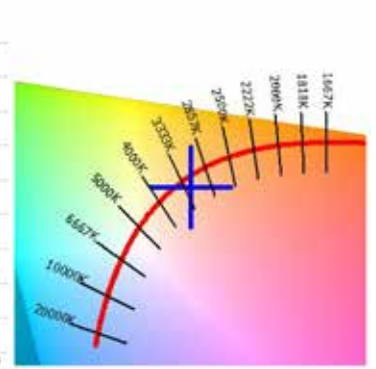
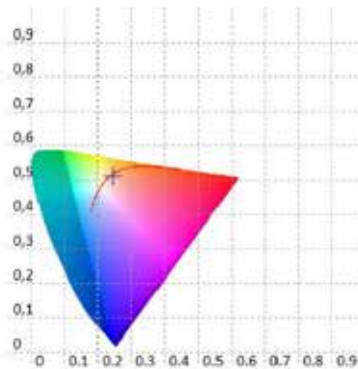


## ReLite LED Kit for ADB C201 - Minimum Zoom - 3.200K

CIE 1931



CIE 1976



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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,6 | 96,1 | 97,5 | 98,3 | 96,1 | 92,3 | 94,8 | 95,0 | 92,4 | 92,8 | 95,2 | 85,6 | 95,8 | 98,9 | 98,1 |

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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,8 | 96,6 | 95,9 | 94,3 | 94,1 | 97,1 | 92,9 | 96,6 | 92,7 | 92,0 | 92,5 | 90,0 | 91,7 | 90,8 | 90,9 | 89,5 |

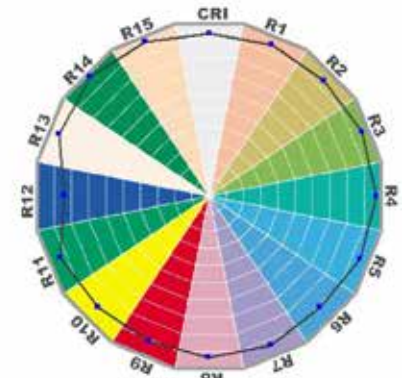
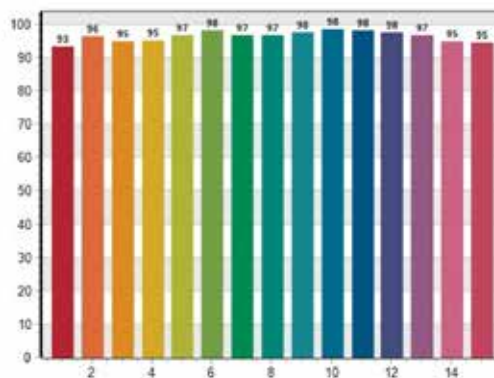
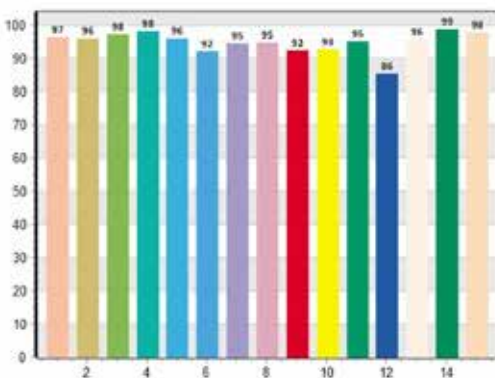
CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,4 | 96,3 | 95,0 | 95,1 | 96,6 | 98,1 | 96,7 | 96,6 | 97,8 | 98,5 | 98,2 | 97,5 | 96,6 | 94,7 | 94,5 |

CRI: 95,84

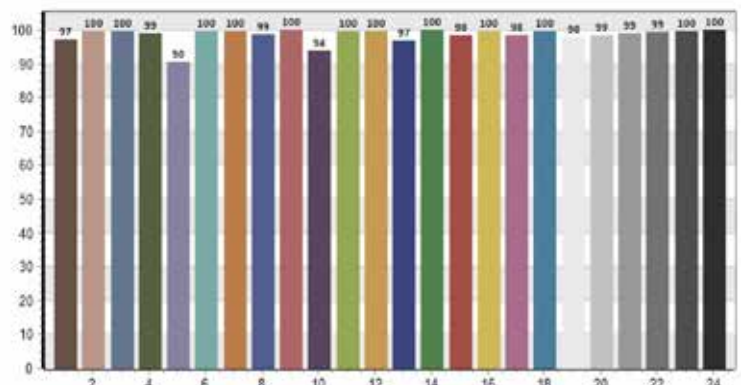
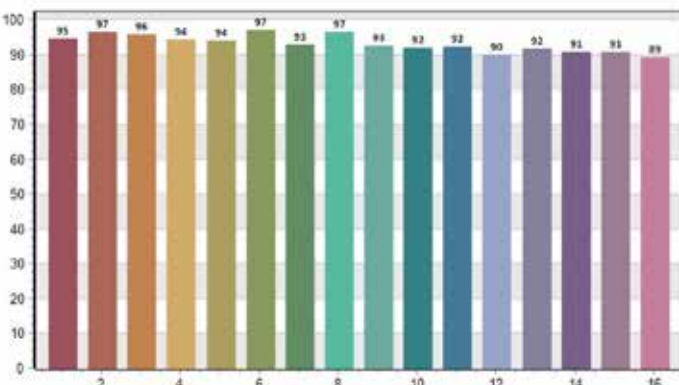
CQS: 95,92

CRI-2



TM30: 94,25

TLCI: 97,66



## ReLite LED Kit for ADB C201 - Minimum Zoom - 3.200K

## General Color Rendition

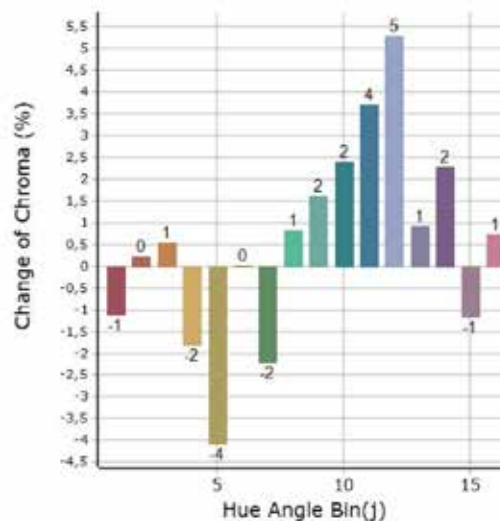
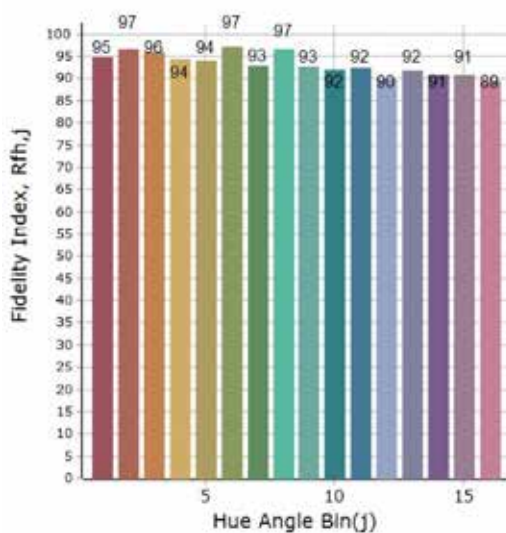
**Rf 94,3**

Fidelity index Rf

**Rg 100,8**

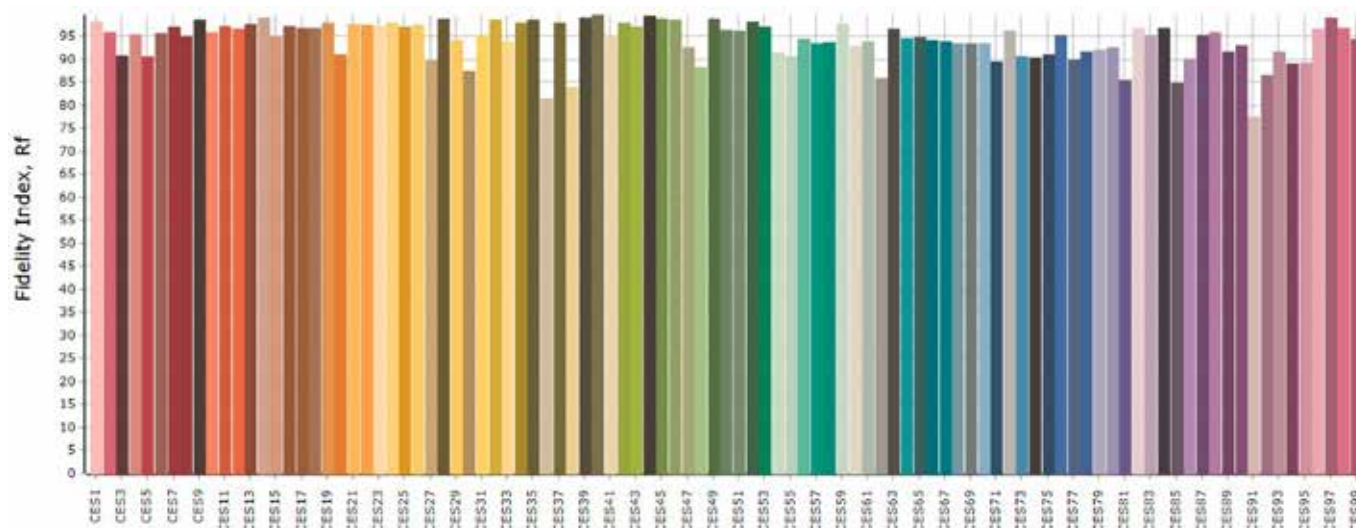
Gamut index Rg

## Color Rendition by Hue



|         |      | Graphic shifts (%) |       |
|---------|------|--------------------|-------|
| Hue Bin | Rf   | Chroma             | Hue   |
| 1       | 94,8 | -1,1%              | 1,1%  |
| 2       | 96,6 | 0,2%               | 0,3%  |
| 3       | 95,9 | 0,5%               | 0,1%  |
| 4       | 94,3 | -1,8%              | -2,2% |
| 5       | 94,1 | -4,1%              | -0,6% |
| 6       | 97,1 | 0,0%               | 0,8%  |
| 7       | 92,9 | -2,2%              | 2,9%  |
| 8       | 96,6 | 0,8%               | 1,7%  |
| 9       | 92,7 | 1,6%               | 4,8%  |
| 10      | 92,0 | 2,4%               | 3,6%  |
| 11      | 92,5 | 3,7%               | 2,6%  |
| 12      | 90,0 | 5,3%               | -2,5% |
| 13      | 91,7 | 0,9%               | -5,5% |
| 14      | 90,8 | 2,3%               | -5,8% |
| 15      | 90,9 | -1,2%              | -2,4% |
| 16      | 89,5 | 0,7%               | -7,5% |

## Color Fidelity by Sample



**ReLite LED Kit for ADB C201 - Maximum Zoom - 3.200K**

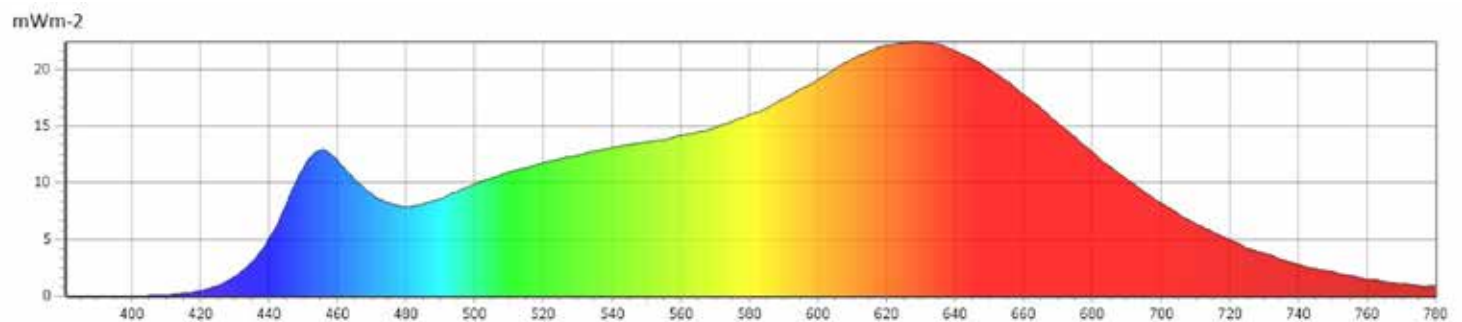
## General

|           |        |
|-----------|--------|
| ● CCT     | 3181 K |
| ● x       | 0,4182 |
| ● y       | 0,3850 |
| ● LambdaD | 582 nm |
| ● LambdaP | 628 nm |

## Measurements

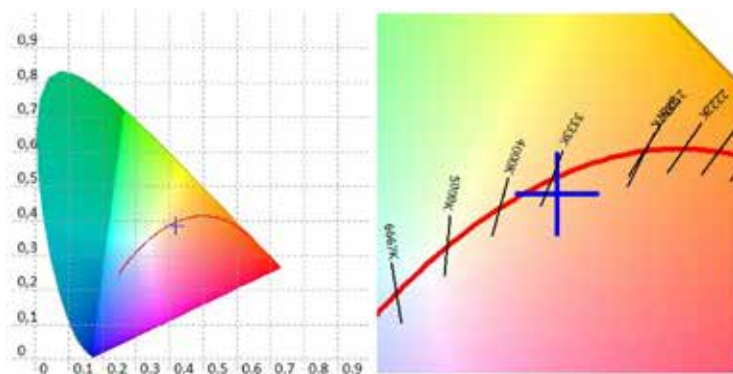
|                   |               |                    |                  |                                                    |             |           |            |
|-------------------|---------------|--------------------|------------------|----------------------------------------------------|-------------|-----------|------------|
| CCT : 3181 K      | x10 : 0,4216  | delta-x : -0,0064  | LambdaD : 584 nm | PPFD : 18,34 $\mu\text{molm}^{-2}\text{s}^{-1}$    | S/P : 1,62  | R3 : 97,1 | R10 : 91,7 |
| LUX : 1089 lx     | y10 : 0,3861  | delta-y : -0,0144  | LambdaP : 628 nm | PFD : 19,94 $\mu\text{molm}^{-2}\text{s}^{-1}$     | IRR : 4,037 | R4 : 98,0 | R11 : 94,7 |
| I-Time : 12000 us | u'10 : 0,2484 | delta-u' : 0,0020  | Purity : 41,14%  | PFD-B : 2,414 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CQS : 95,9  | R5 : 95,6 | R12 : 84,8 |
| x : 0,4182        | v'10 : 0,5118 | delta-v' : -0,0069 | fc : 101,2       | PFD-G : 6,463 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CRI : 95,4  | R6 : 91,5 | R13 : 95,1 |
| y : 0,3850        | X : 1183,03   | Duv : -0,0050      | Rf : 94,2        | PFD-R : 9,462 $\mu\text{molm}^{-2}\text{s}^{-1}$   | ILCI : 97,5 | R7 : 94,5 | R14 : 98,8 |
| u' : 0,2466       | Y : 1089,32   | MEL : 718,0 lx     | Rg : 101,2       | PFD-UV : 0,0000 $\mu\text{molm}^{-2}\text{s}^{-1}$ | R1 : 96,1   | R8 : 95,0 | R15 : 97,6 |
| v' : 0,5108       | Z : 556,75    | LambdaPV : 22,41   | GAI : 70,0       | PFD-FR : 1,601 $\mu\text{molm}^{-2}\text{s}^{-1}$  | R2 : 95,5   | R9 : 93,0 |            |

## Spectrum

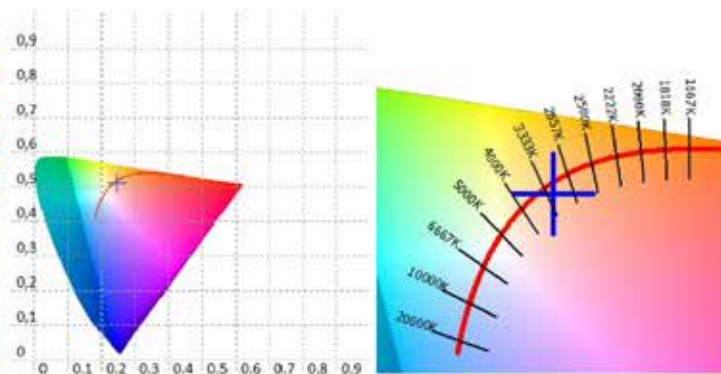


## ReLite LED Kit for ADB C201 - Maximum Zoom - 3.200K

CIE 1931



CIE 1976



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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,1 | 95,5 | 97,1 | 98,0 | 95,6 | 91,5 | 94,5 | 95,0 | 93,0 | 91,7 | 94,7 | 84,8 | 95,1 | 98,8 | 97,6 |

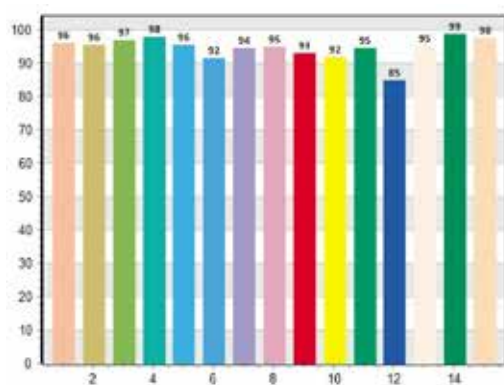
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,8 | 96,4 | 95,6 | 94,7 | 94,0 | 96,9 | 92,9 | 96,7 | 92,8 | 92,0 | 92,3 | 89,8 | 91,7 | 90,7 | 90,8 | 89,2 |

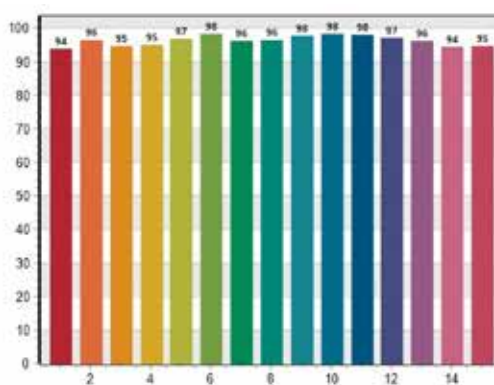
CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,7 | 96,5 | 94,6 | 94,9 | 96,7 | 98,3 | 96,2 | 96,4 | 97,7 | 98,3 | 97,9 | 97,2 | 96,2 | 94,5 | 94,6 |

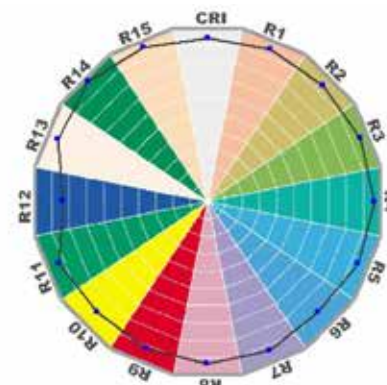
CRI: 95,42



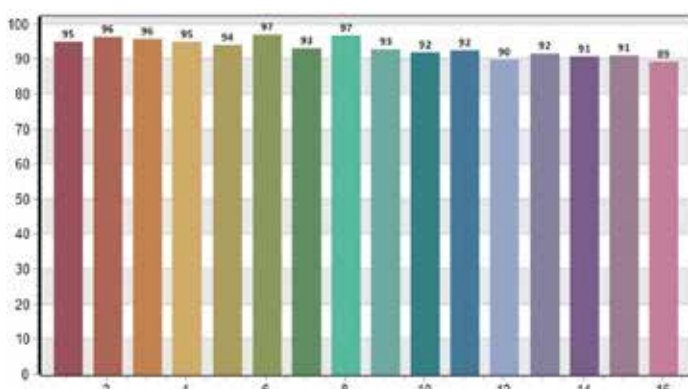
CQS: 95,85



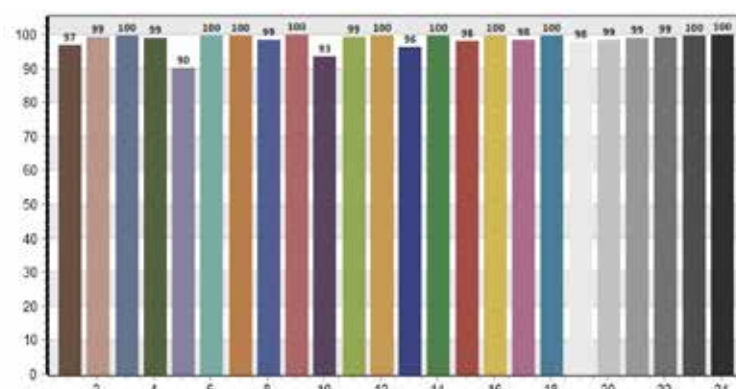
CRI-2



TM30: 94,21

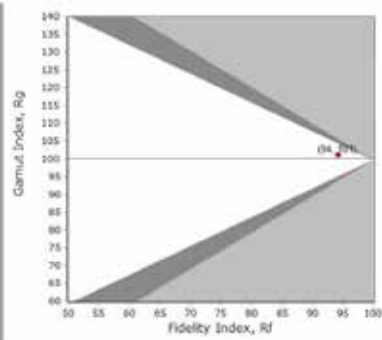
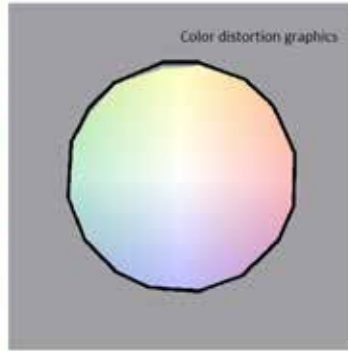
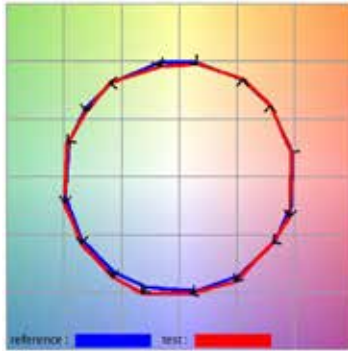


TLCI: 97,51



## ReLite LED Kit for ADB C201 - Maximum Zoom - 3.200K

## General Color Rendition

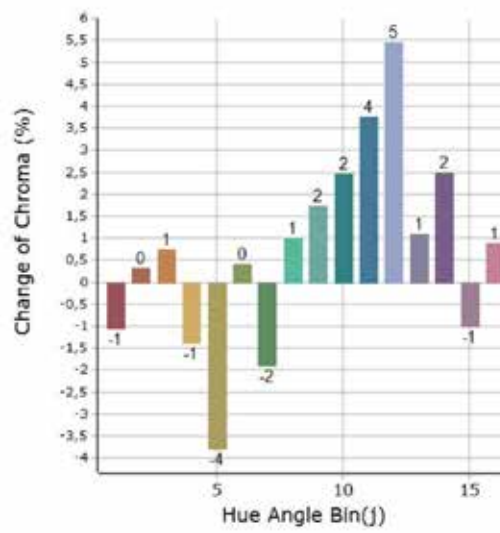
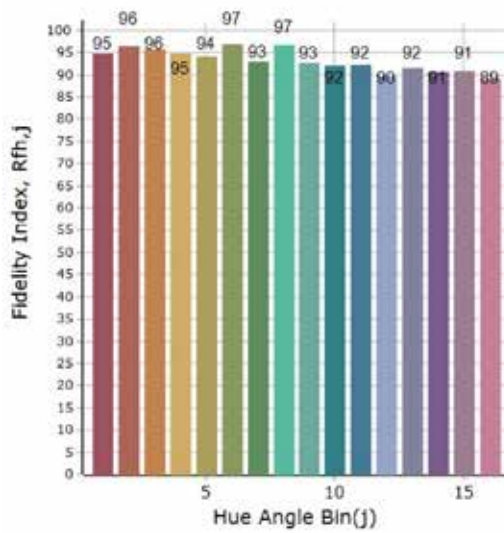
**Rf 94,2**

Fidelity index Rf

**Rg 101,2**

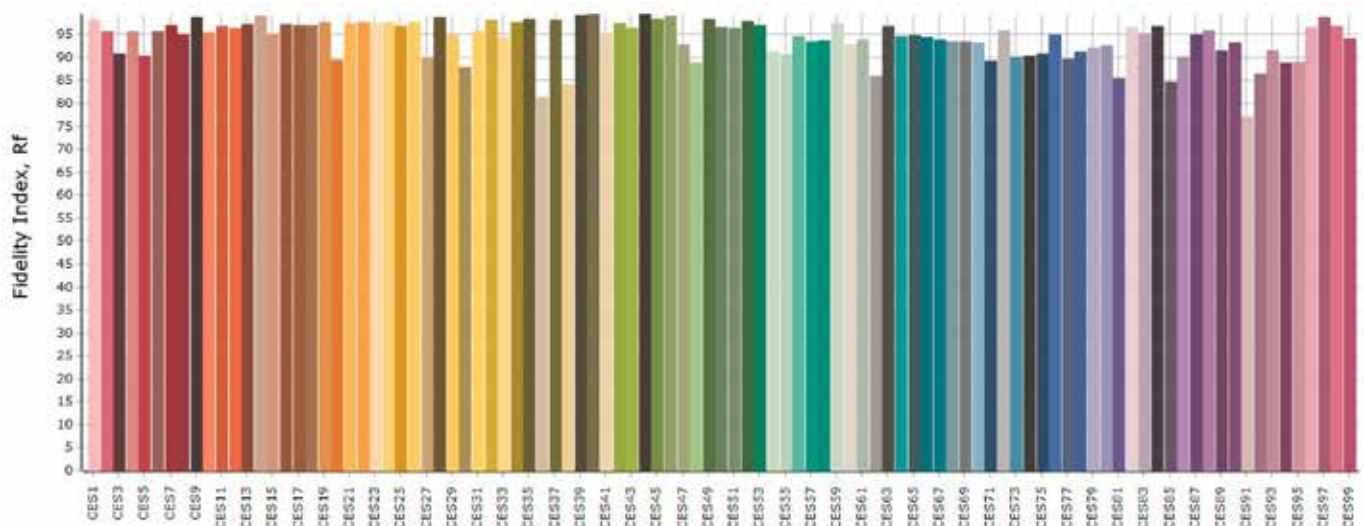
Gamut index Rg

## Color Rendition by Hue



|         |      | Graphic shifts (%) |       |
|---------|------|--------------------|-------|
| Hue Bin | Rf   | Chroma             | Hue   |
| 1       | 94,8 | -1,0%              | 1,1%  |
| 2       | 96,4 | 0,3%               | 0,5%  |
| 3       | 95,6 | 0,7%               | 0,3%  |
| 4       | 94,7 | -1,4%              | -2,0% |
| 5       | 94,0 | -3,8%              | -0,7% |
| 6       | 96,9 | 0,4%               | 0,7%  |
| 7       | 92,9 | -1,9%              | 2,7%  |
| 8       | 96,7 | 1,0%               | 1,5%  |
| 9       | 92,8 | 1,7%               | 4,3%  |
| 10      | 92,0 | 2,5%               | 3,6%  |
| 11      | 92,3 | 3,8%               | 2,7%  |
| 12      | 89,8 | 5,5%               | -2,4% |
| 13      | 91,7 | 1,1%               | -5,5% |
| 14      | 90,7 | 2,5%               | -5,8% |
| 15      | 90,8 | -1,0%              | -2,5% |
| 16      | 89,2 | 0,9%               | -7,6% |

## Color Fidelity by Sample



## ReLite LED Kit for ADB C201 - Minimum Zoom - 5.600K

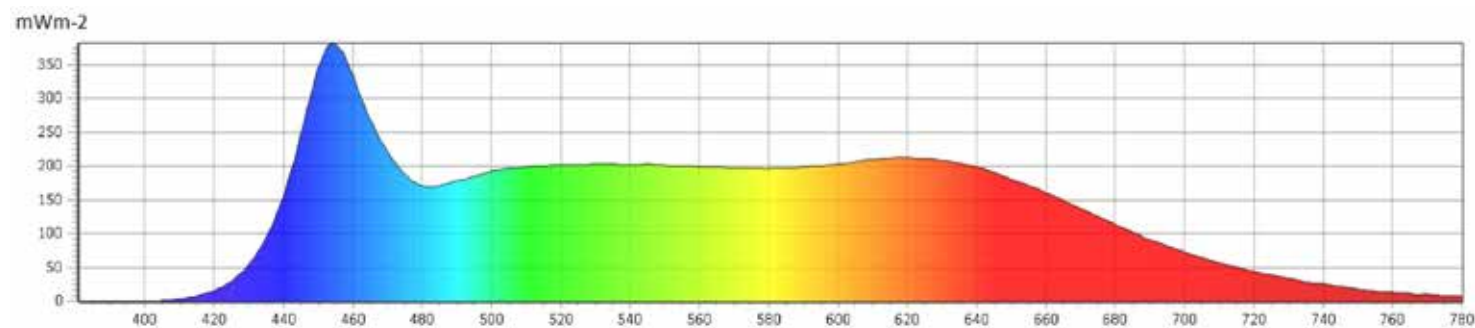
## General

|           |        |
|-----------|--------|
| ● CCT     | 5589 K |
| ● x       | 0,3305 |
| ● y       | 0,3316 |
| ● LambdaD | 483 nm |
| ● LambdaP | 453 nm |

## Measurements

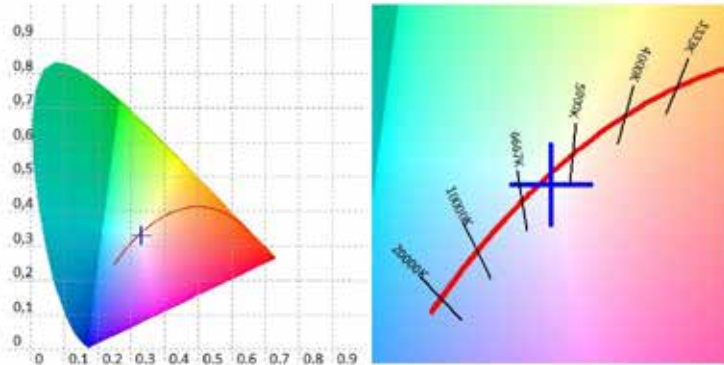
|                 |               |                    |                  |                                                    |             |           |            |
|-----------------|---------------|--------------------|------------------|----------------------------------------------------|-------------|-----------|------------|
| CCT : 5589 K    | x10 : 0,3328  | delta-x : 0,0000   | LambdaD : 483 nm | PPFD : 241,9 $\mu\text{molm}^{-2}\text{s}^{-1}$    | S/P : 2,31  | R3 : 99,0 | R10 : 91,9 |
| LUX : 14636 lx  | y10 : 0,3364  | delta-y : -0,0078  | LambdaP : 453 nm | PFD : 256,0 $\mu\text{molm}^{-2}\text{s}^{-1}$     | IRR : 54,71 | R4 : 96,5 | R11 : 94,4 |
| I-Time : 490 us | u'10 : 0,2089 | delta-u' : 0,0030  | Purity : 1,11%   | PFD-B : 61,69 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CQS : 95,7  | R5 : 94,4 | R12 : 80,2 |
| x : 0,3305      | v'10 : 0,4752 | delta-v' : -0,0040 | fc : 1360        | PFD-G : 91,96 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CRI : 95,6  | R6 : 92,7 | R13 : 93,5 |
| y : 0,3316      | X : 14586,87  | Duv : -0,0041      | Rf : 93,0        | PFD-R : 88,23 $\mu\text{molm}^{-2}\text{s}^{-1}$   | ILCI : 98,3 | R7 : 96,8 | R14 : 98,2 |
| u' : 0,2092     | Y : 14635,62  | MEL : 15010 lx     | Rg : 101,1       | PFD-UV : 0,0078 $\mu\text{molm}^{-2}\text{s}^{-1}$ | R1 : 93,6   | R8 : 96,7 | R15 : 92,3 |
| v' : 0,4723     | Z : 14917,79  | LambdaPV : 382,4   | GAI : 98,4       | PFD-FR : 14,16 $\mu\text{molm}^{-2}\text{s}^{-1}$  | R2 : 95,2   | R9 : 89,2 |            |

## Spectrum

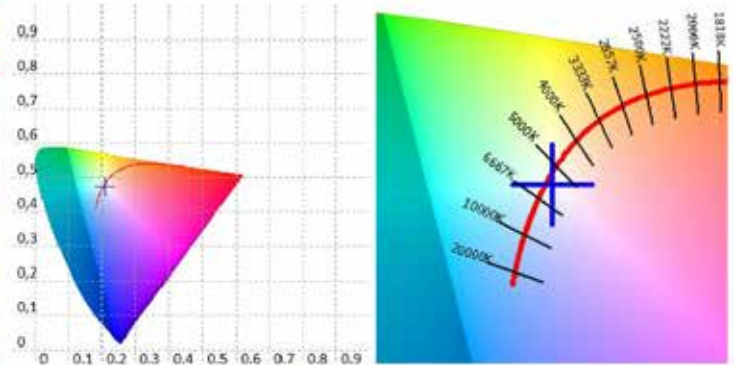


## ReLite LED Kit for ADB C201 - Minimum Zoom - 5.600K

CIE 1931



CIE 1976



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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,6 | 95,2 | 99,0 | 96,5 | 94,4 | 92,7 | 96,8 | 96,7 | 89,2 | 91,9 | 94,4 | 80,2 | 93,5 | 98,2 | 92,3 |

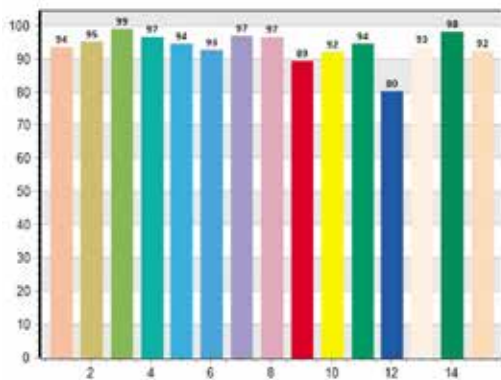
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,8 | 94,9 | 95,0 | 93,6 | 92,1 | 96,5 | 93,7 | 89,5 | 89,7 | 88,5 | 87,7 | 95,4 | 93,4 | 94,8 | 85,6 | 95,0 |

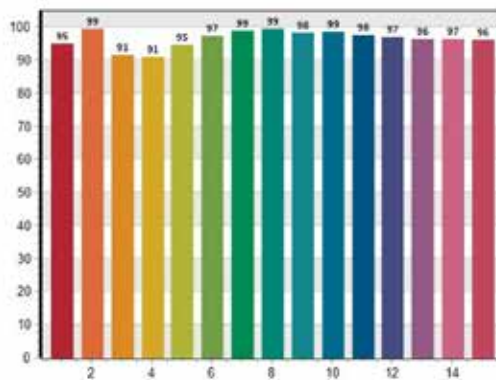
CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,0 | 99,5 | 91,5 | 90,8 | 94,5 | 97,4 | 98,9 | 99,4 | 98,2 | 98,6 | 97,7 | 97,0 | 96,3 | 96,5 | 96,2 |

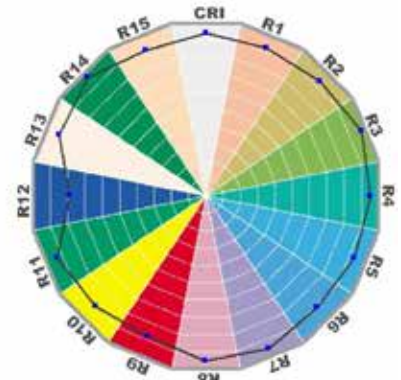
CRI: 95,60



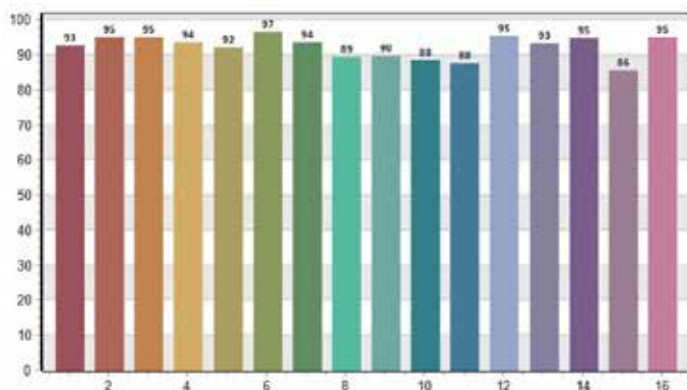
CQS: 95,68



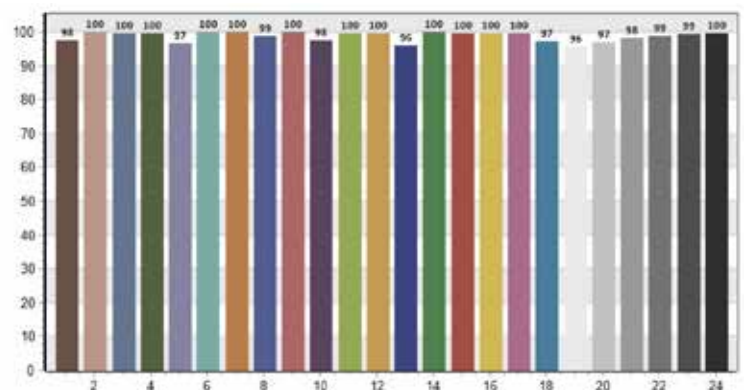
CRI-2



TM30: 93,04

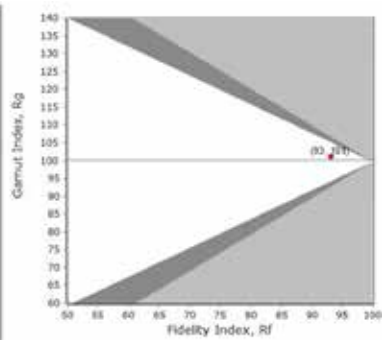
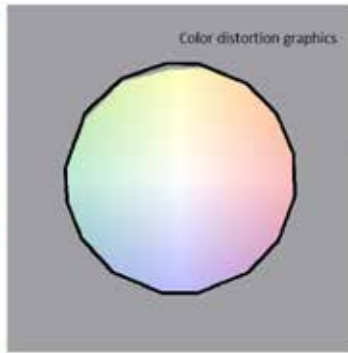
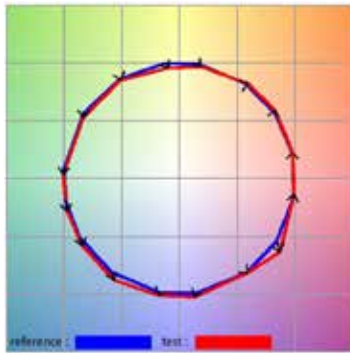


TLCI: 98,29



## ReLite LED Kit for ADB C201 - Minimum Zoom - 5.600K

## General Color Rendition

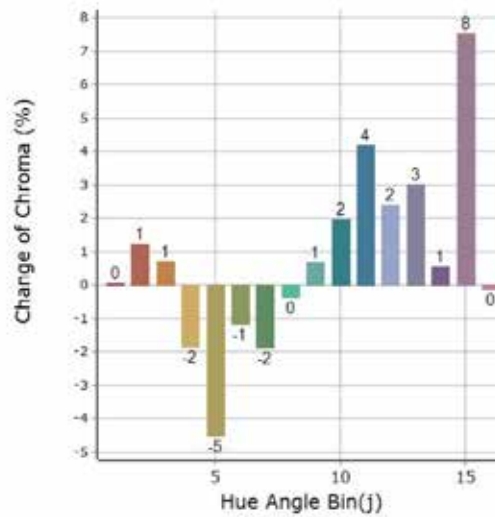
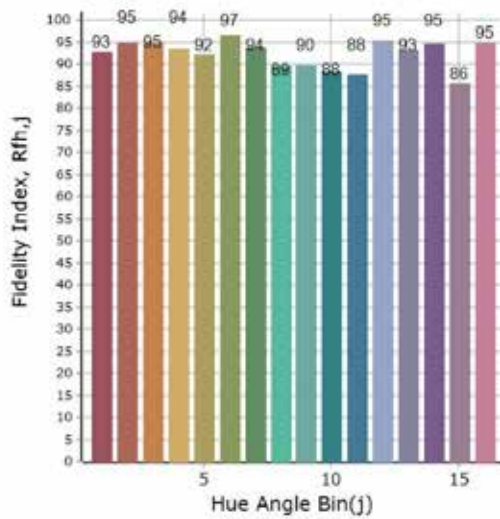
**Rf 93,0**

Fidelity index Rf

**Rg 101,1**

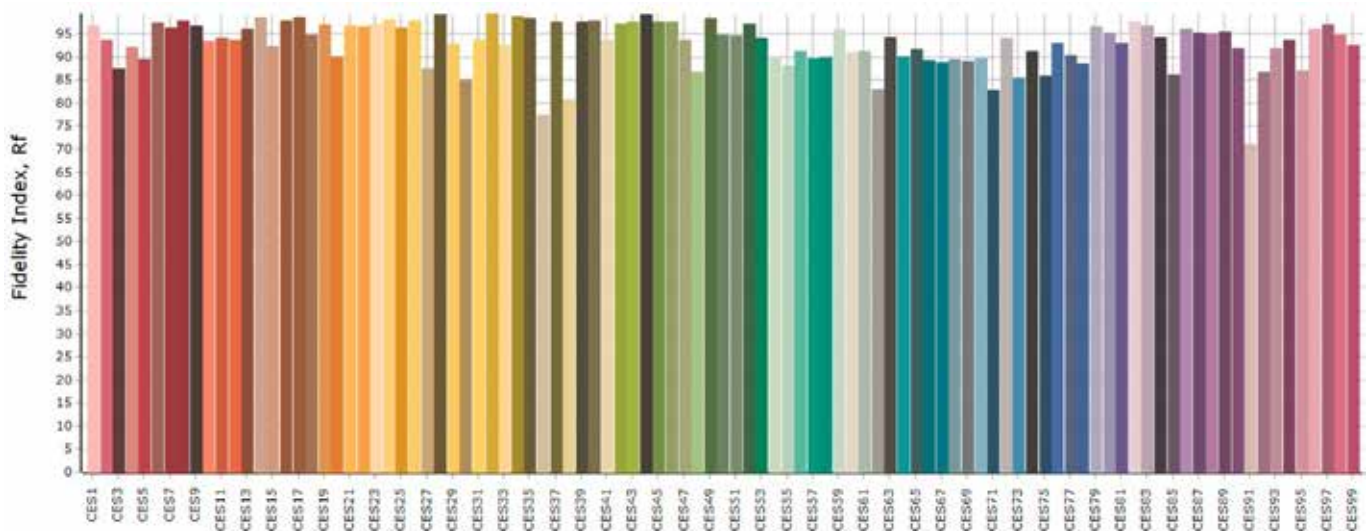
Gamut index Rg

## Color Rendition by Hue



|         |      | Graphic shifts (%) |       |
|---------|------|--------------------|-------|
| Hue Bin | Rf   | Chroma             | Hue   |
| 1       | 92,8 | 0,1%               | 1,4%  |
| 2       | 94,9 | 1,2%               | 1,0%  |
| 3       | 95,0 | 0,7%               | -0,6% |
| 4       | 93,6 | -1,9%              | -2,1% |
| 5       | 92,1 | -4,5%              | -1,7% |
| 6       | 96,5 | -1,2%              | 0,7%  |
| 7       | 93,7 | -1,9%              | 3,1%  |
| 8       | 89,5 | -0,4%              | 5,5%  |
| 9       | 89,7 | 0,7%               | 8,2%  |
| 10      | 88,5 | 2,0%               | 6,3%  |
| 11      | 87,7 | 4,2%               | 5,3%  |
| 12      | 95,4 | 2,4%               | -0,8% |
| 13      | 93,4 | 3,0%               | -1,7% |
| 14      | 94,8 | 0,6%               | -0,3% |
| 15      | 85,6 | 7,5%               | -6,2% |
| 16      | 95,0 | -0,1%              | 1,6%  |

## Color Fidelity by Sample



## ReLite LED Kit for ADB C201 - Maximum Zoom - 5.600K

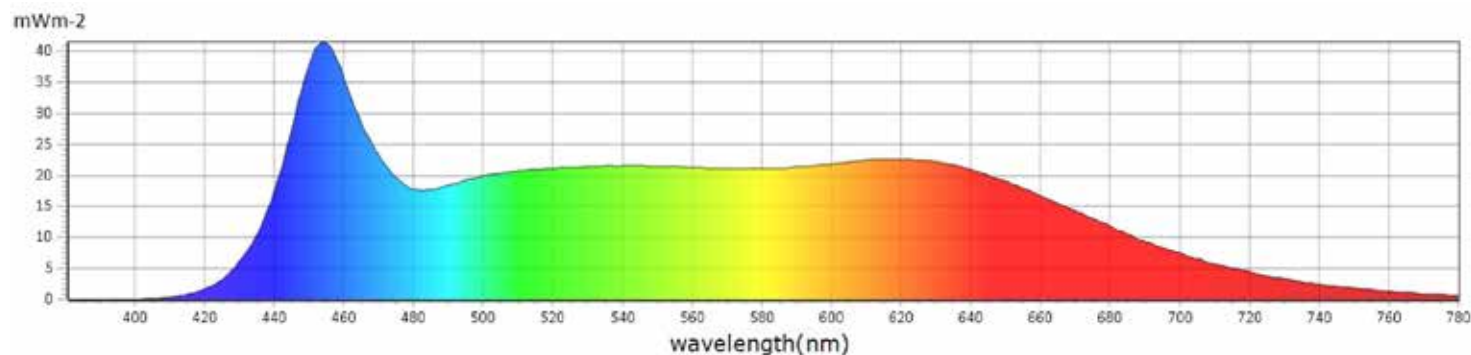
## General

|           |        |
|-----------|--------|
| ● CCT     | 5598 K |
| ● x       | 0,3303 |
| ● y       | 0,3291 |
| ● LambdaD | 468 nm |
| ● LambdaP | 453 nm |

## Measurements

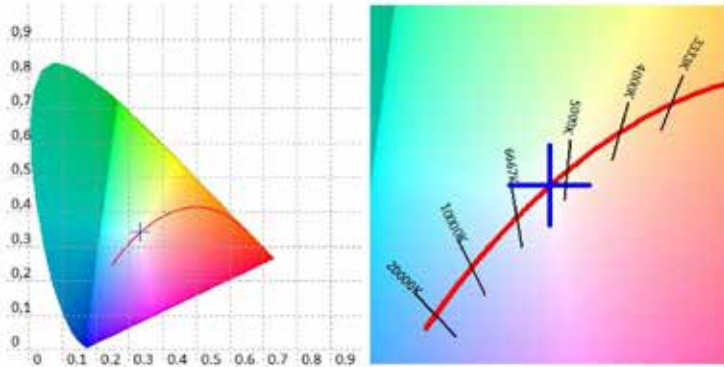
|                  |               |                    |                  |                                                    |             |           |            |
|------------------|---------------|--------------------|------------------|----------------------------------------------------|-------------|-----------|------------|
| CCT : 5598 K     | x10 : 0,3325  | delta-x : 0,0000   | LambdaD : 468 nm | PPFD : 25,63 $\mu\text{molm}^{-2}\text{s}^{-1}$    | S/P : 2,29  | R3 : 98,6 | R10 : 92,6 |
| LUX : 1554 lx    | y10 : 0,3336  | delta-y : -0,0100  | LambdaP : 453 nm | PFD : 27,04 $\mu\text{molm}^{-2}\text{s}^{-1}$     | IRR : 5,789 | R4 : 96,7 | R11 : 94,4 |
| I-Time : 4800 us | u'10 : 0,2099 | delta-u' : 0,0040  | Purity : 1,49%   | PFD-B : 6,595 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CQS : 95,0  | R5 : 94,4 | R12 : 80,0 |
| x : 0,3303       | v'10 : 0,4737 | delta-v' : -0,0052 | fc : 144,4       | PFD-G : 9,756 $\mu\text{molm}^{-2}\text{s}^{-1}$   | CRI : 95,7  | R6 : 92,4 | R13 : 93,5 |
| y : 0,3291       | X : 1559,20   | Duv : -0,0053      | Rf : 92,9        | PFD-R : 9,275 $\mu\text{molm}^{-2}\text{s}^{-1}$   | ILCI : 98,1 | R7 : 97,0 | R14 : 98,3 |
| u' : 0,2101      | Y : 1553,69   | MEL : 1586 lx      | Rg : 101,5       | PFD-UV : 0,0006 $\mu\text{molm}^{-2}\text{s}^{-1}$ | R1 : 93,7   | R8 : 97,3 | R15 : 92,4 |
| v' : 0,4710      | Z : 1607,85   | LambdaPV : 41,52   | GAI : 99,3       | PFD-FR : 1,418 $\mu\text{molm}^{-2}\text{s}^{-1}$  | R2 : 95,3   | R9 : 90,5 |            |

## Spectrum

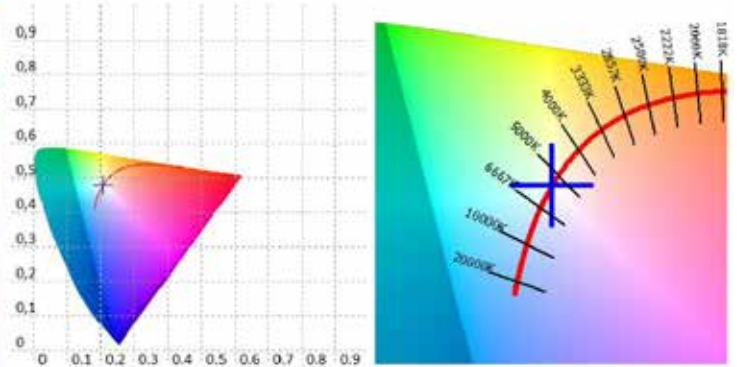


**ReLite LED Kit for ADB C201 - Maximum Zoom - 5.600K**

CIE 1931



CIE 1976



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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,7 | 95,3 | 98,6 | 96,7 | 94,4 | 92,4 | 97,0 | 97,3 | 90,5 | 92,6 | 94,4 | 80,0 | 93,5 | 98,3 | 92,4 |

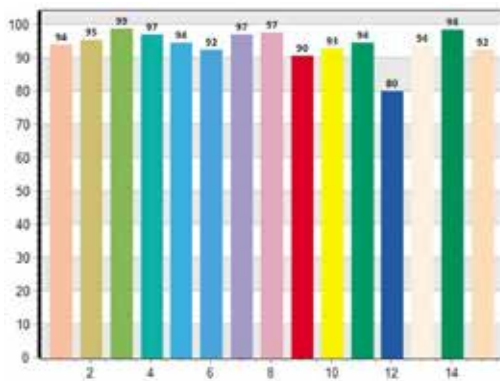
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,7 | 94,4 | 94,6 | 93,8 | 92,2 | 96,5 | 94,1 | 89,8 | 89,7 | 87,8 | 86,6 | 95,3 | 93,5 | 94,5 | 85,4 | 95,0 |

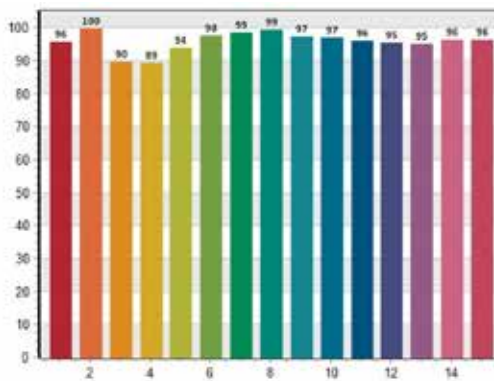
CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,8 | 99,8 | 89,8 | 89,3 | 93,9 | 97,5 | 98,7 | 99,4 | 97,4 | 97,2 | 96,0 | 95,5 | 95,2 | 96,4 | 96,5 |

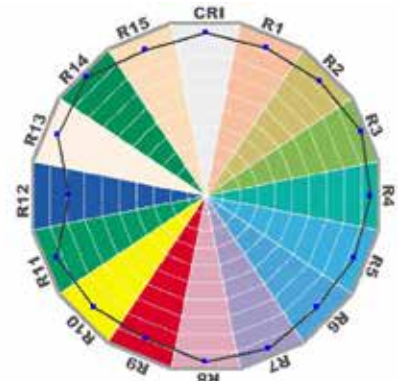
CRI: 95,67



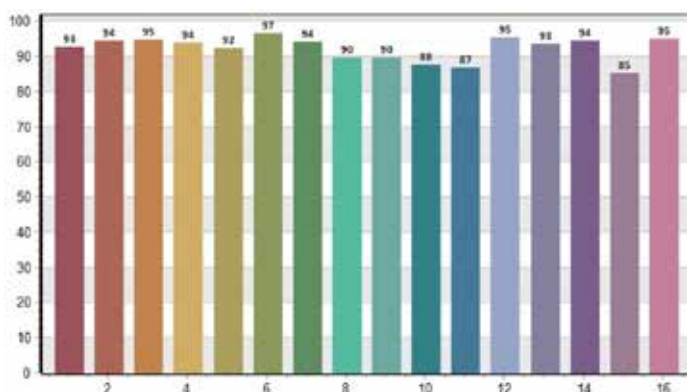
CQS: 94,97



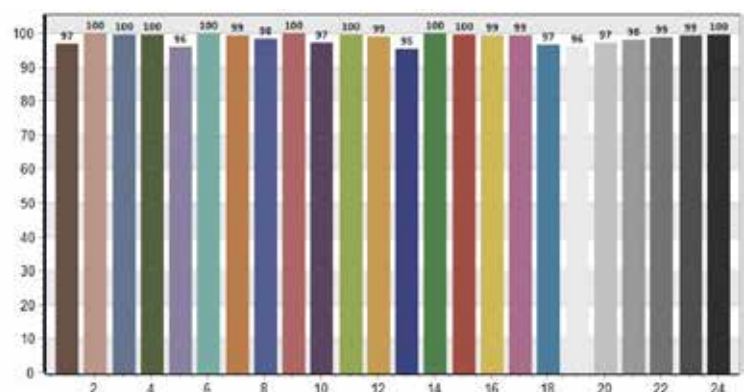
CRI-2



TM30: 92,90

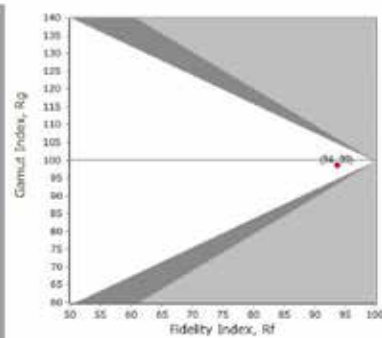
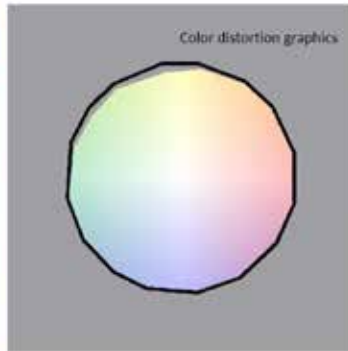
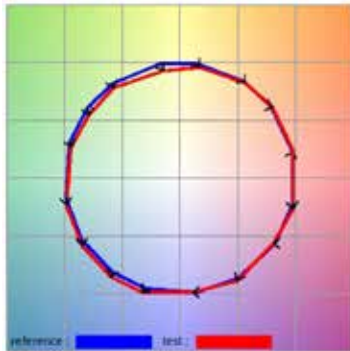


TLCI: 98,09



## ReLite LED Kit for ADB C201 - Minimum Zoom - 5.600K

## General Color Rendition

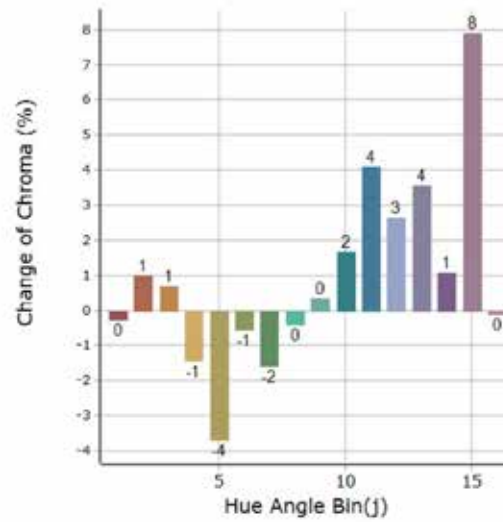
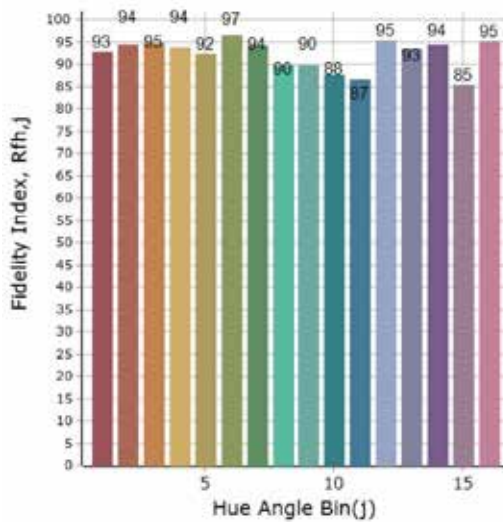
**Rf 92,9**

Fidelity index Rf

**Rg 101,5**

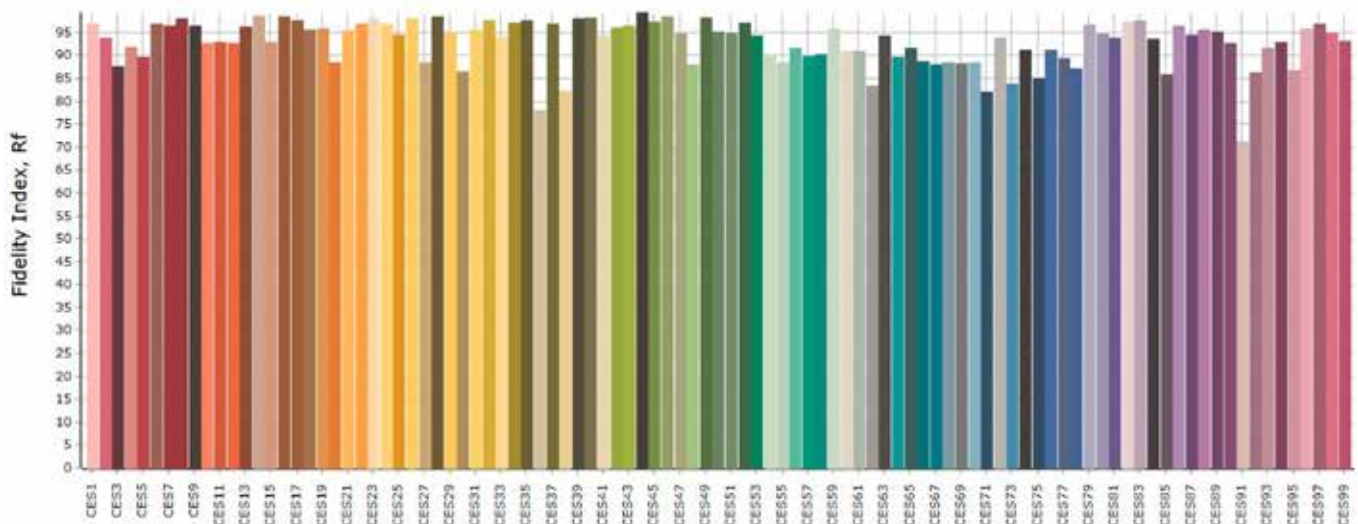
Gamut index Rg

## Color Rendition by Hue



| Hue Bin | Rf   | Graphic shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 92,7 | -0,3%              | 1,3%  |
| 2       | 94,4 | 1,0%               | 1,4%  |
| 3       | 94,6 | 0,7%               | 0,2%  |
| 4       | 93,8 | -1,4%              | -1,1% |
| 5       | 92,2 | -3,7%              | -1,0% |
| 6       | 96,5 | -0,5%              | 0,7%  |
| 7       | 94,1 | -1,6%              | 2,7%  |
| 8       | 89,8 | -0,4%              | 5,2%  |
| 9       | 89,7 | 0,3%               | 8,2%  |
| 10      | 87,8 | 1,7%               | 6,7%  |
| 11      | 86,6 | 4,1%               | 6,0%  |
| 12      | 95,3 | 2,6%               | 0,0%  |
| 13      | 93,5 | 3,6%               | -1,1% |
| 14      | 94,5 | 1,1%               | -0,1% |
| 15      | 85,4 | 7,9%               | -6,4% |
| 16      | 95,0 | -0,1%              | 1,3%  |

## Color Fidelity by Sample



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