

Lichteffizienz:

98 Lumen/Watt

CRI:

CRI: 81,1

Farbtemperatur:

3043 K

Lichtstärke: 660 lm

Leuchtdichte: 702 cd

Leistung: 6,7 W

Powerfaktor: 0,93



Bestellnummer:

E44460902

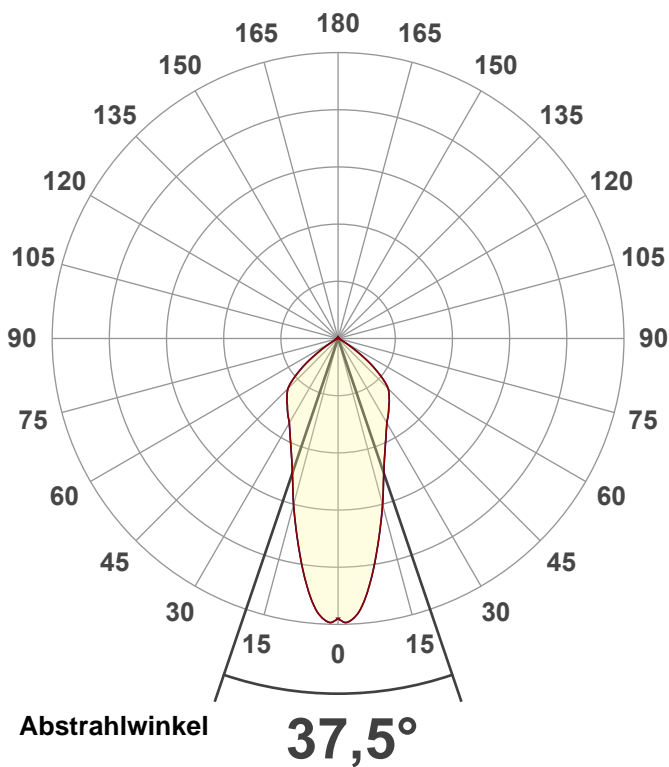
Messung erstellt:

10.09.2020 13:43:47

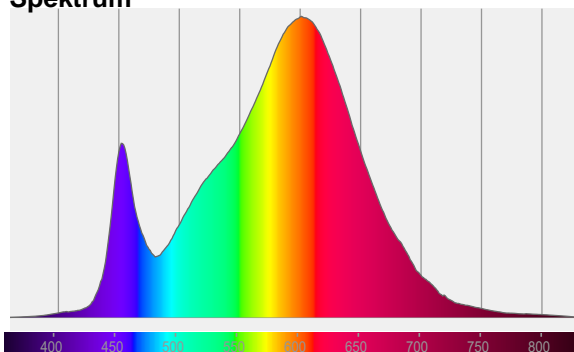
Beschreibung:

COMPACTO68

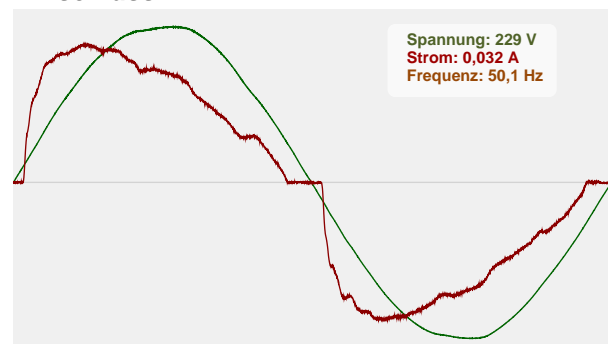
LED Deckeneinbau - quad. -  
schwenkbar - schwarz - IP44  
200-240V - 6W - 3000K -  
683lm - inkl. dimmbaren  
Netzgerät

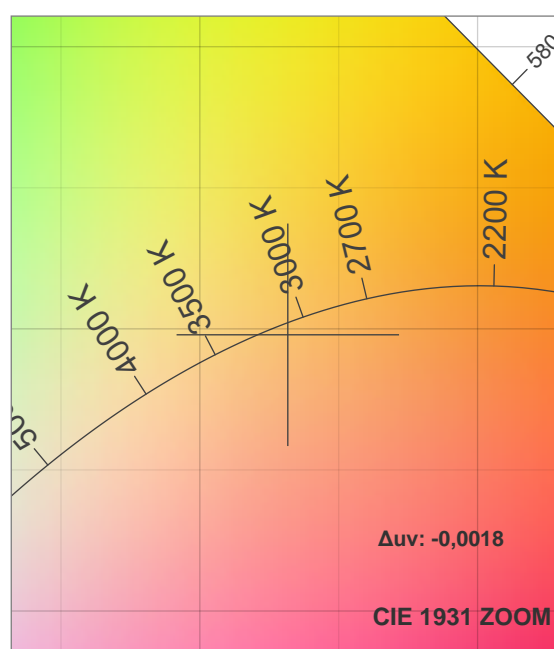
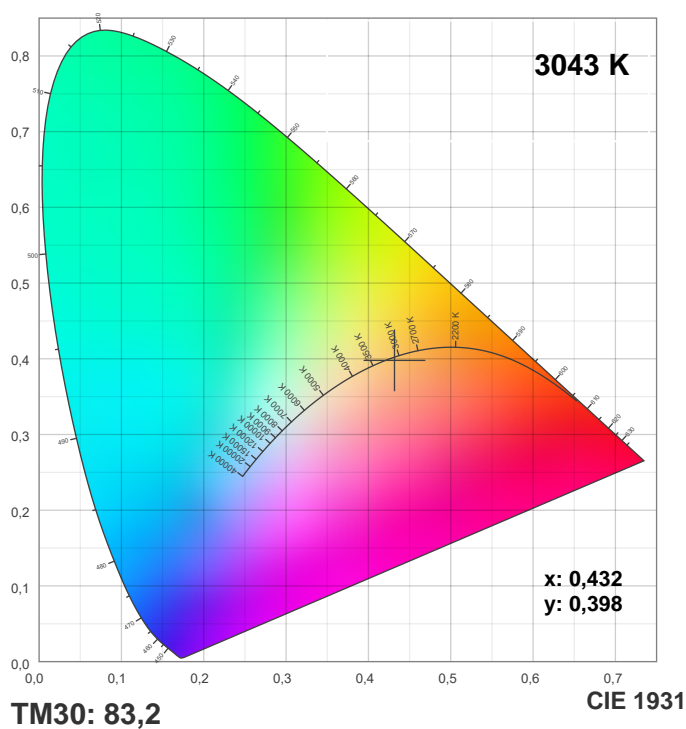


Spektrum

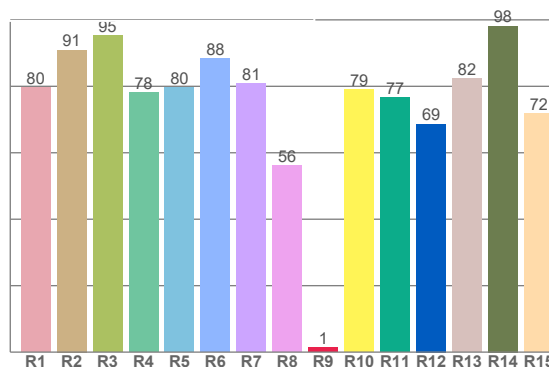
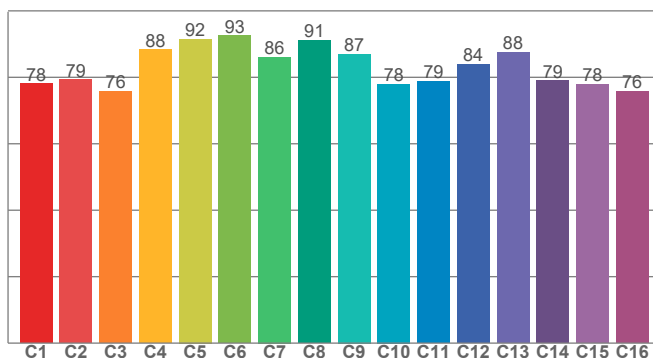


Anschluss





CRI: 81,1 (R1-R8)



CRI R-Werte, nur R1-R8 werden zur Berechnung des endgültigen CRI-Wertes verwendet

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9  | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 79,6 | 90,9 | 95,2 | 78,1 | 79,6 | 88,4 | 80,9 | 56,2 | 1,4 | 79,0 | 76,6 | 68,7 | 82,4 | 98,2 | 71,8 |

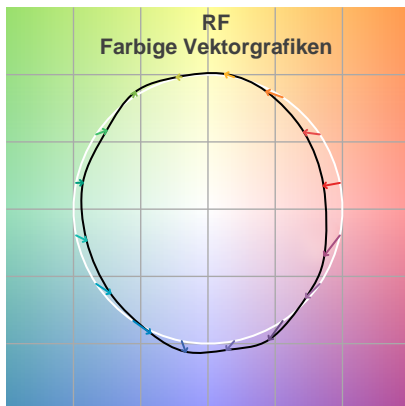
TM30 C-Werte, 16 eingelagerte Werte von insgesamt 99 C-Werten

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 78,1 | 79,3 | 75,7 | 88,3 | 91,5 | 92,6 | 86,1 | 91,1 | 87,0 | 78,0 | 78,8 | 83,9 | 87,5 | 79,0 | 77,9 | 75,8 |

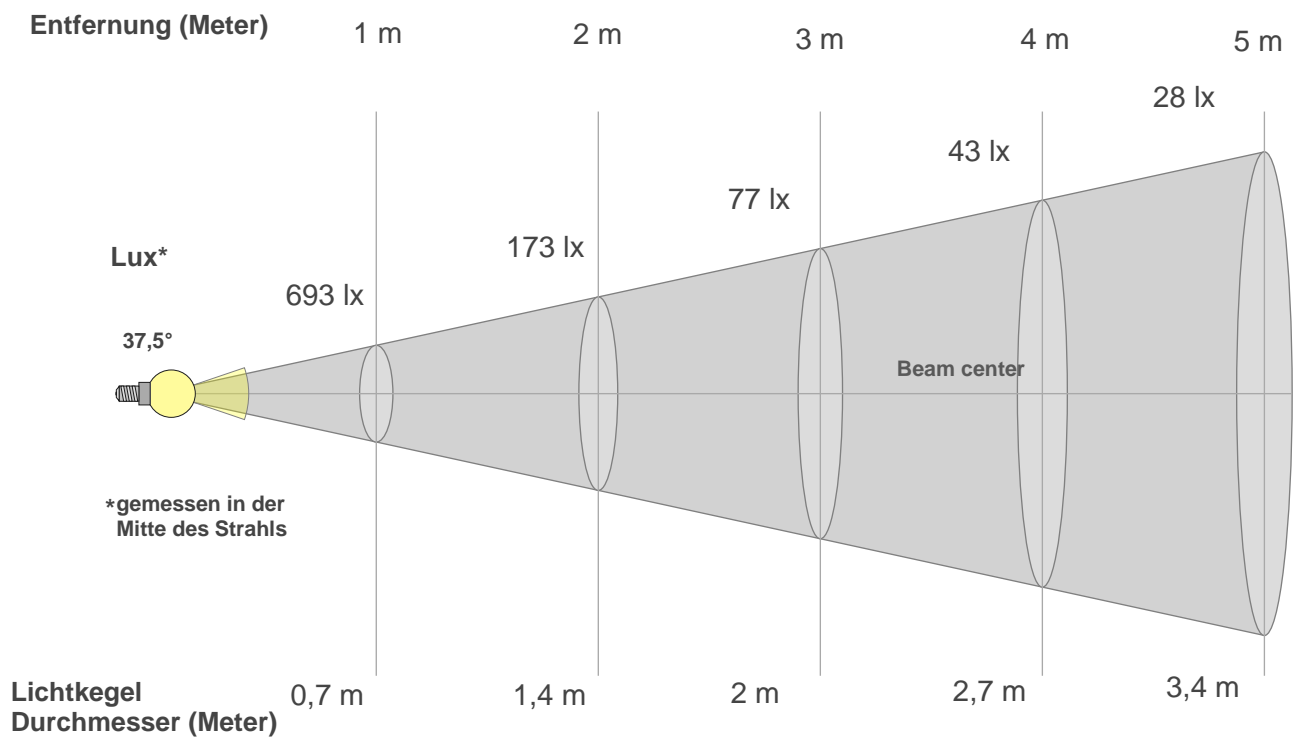
## Farbparameter

| Farbtemperatur<br>CCT | CRI-Wert rendering<br>CRI | Rotanteil R9<br>CRI R9 | Farbtreue<br>TM30 Rf | Farbbereich<br>TM30 Rg |
|-----------------------|---------------------------|------------------------|----------------------|------------------------|
| 3043 K                | 81,1                      | 1,4                    | 83,2                 | 95,3                   |

## TM30 Details



## Lichtstrahl Details



## Strahlintensitäten von 1-20m

| 1m    | 2m    | 3m   | 4m   | 5m   | 6m   | 7m   | 8m   | 9m  | 10m | 3,3m   | 6,6m   | 9,8m  | 13,1m | 16,4m | 19,7m | 23m   | 26,2m | 29,5m | 32,8m |
|-------|-------|------|------|------|------|------|------|-----|-----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 693lx | 173lx | 77lx | 43lx | 28lx | 19lx | 14lx | 11lx | 9lx | 7lx | 64,4lx | 16,1lx | 7,2lx | 4lx   | 2,6lx | 1,8lx | 1,3lx | 1lx   | 0,8lx | 0,6lx |

## Blendungsbewertung nach UGR

|                                                                  |     |                                               |     |     |     |     |                                           |     |     |     |     |
|------------------------------------------------------------------|-----|-----------------------------------------------|-----|-----|-----|-----|-------------------------------------------|-----|-----|-----|-----|
| p Decke                                                          |     | 70                                            | 70  | 50  | 50  | 30  | 70                                        | 70  | 50  | 50  | 30  |
| p Wand                                                           |     | 50                                            | 30  | 50  | 30  | 30  | 50                                        | 30  | 50  | 30  | 30  |
| p Boden                                                          |     | 20                                            | 20  | 20  | 20  | 20  | 20                                        | 20  | 20  | 20  | 20  |
| Raumgrößen<br>X      Y                                           |     | Blickrichtung rechtwinklig zur<br>Lampenachse |     |     |     |     | Blickrichtung parallel zur<br>Lampenachse |     |     |     |     |
| 2H                                                               | 2H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 3H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 4H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 6H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 8H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 12H | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
| 4H                                                               | 2H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 3H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 4H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 6H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 8H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 12H | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
| 8H                                                               | 4H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 6H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 8H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 12H | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
| 12H                                                              | 4H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 6H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
|                                                                  | 8H  | -â°                                           | -â° | -â° | -â° | -â° | -â°                                       | -â° | -â° | -â° | -â° |
| Variation der Beobachterposition für den Leuchtenabstand S       |     |                                               |     |     |     |     |                                           |     |     |     |     |
| S = 1.0H                                                         |     | NaN / NaN                                     |     |     |     |     | NaN / NaN                                 |     |     |     |     |
| S = 1.5H                                                         |     | NaN / NaN                                     |     |     |     |     | NaN / NaN                                 |     |     |     |     |
| S = 2.0H                                                         |     | NaN / NaN                                     |     |     |     |     | NaN / NaN                                 |     |     |     |     |
| Standard-Tabelle                                                 |     | n/a                                           |     |     |     |     | n/a                                       |     |     |     |     |
| Korrektur<br>Zusammenfassung                                     |     | n/a                                           |     |     |     |     | n/a                                       |     |     |     |     |
| Korrigierte Blendungsindizes bezogen auf 660 lm Gesamtlichtstrom |     |                                               |     |     |     |     |                                           |     |     |     |     |

| Measurement Details |                        |
|---------------------|------------------------|
| Messzeitpunkt       | 10.09.2020<br>13:43:47 |
| Betreiber           | EVN Lichttechnik       |

| Laboratory and Equipment      |                  |                         |
|-------------------------------|------------------|-------------------------|
| Laboreigentümer und Standort  | EVN Lichttechnik | Winkelhaid, Deutschland |
| Flickermeter Art              | Viso Systems     | LabFlicker              |
| Frequenz der Eingangsleistung | 50,1 Hz          |                         |

| Flicker Details                                                                                       |                     |                                             |
|-------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|
| Flicker-Abtastrate                                                                                    | 20000 Abtastungen/s |                                             |
| Flicker Kennwerte gemäß der Illuminating Engineering Society (IES)                                    | Flicker Frequenz    | 98,04 Hz                                    |
|                                                                                                       | Flickeranteil in %  | 0,95 %                                      |
|                                                                                                       | Flicker Index       | 0                                           |
| Flicker Kennwerte gemäß der Kalifornische Energiekommission, JA 8/10 Prozentsatz Amplitudenmodulation | Ungefiltert         | 0,95 %                                      |
|                                                                                                       | mit 40-Hz-Grenze    | 0,23 %                                      |
|                                                                                                       | mit 90-Hz-Grenze    | 0,24 %                                      |
|                                                                                                       | mit 200-Hz-Grenze   | 0,96 %                                      |
|                                                                                                       | mit 400-Hz-Grenze   | 0,95 %                                      |
|                                                                                                       | mit 1000-Hz-Grenze  | 0,95 %                                      |
| Flickerindex nach ASSIST                                                                              | Mp 0,14             | Konformität mit der EU-Ökodesign-Richtlinie |

| Flickerkurve (vollständig ausgewertetes Flickersignal)               |                                                  |                                             |
|----------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|
| TLA-Kennwerte gemäß IEC TR 61547-1, IEC 61000-3-3 und IEC 61000-4-15 | Flicker PstLM Wert 0,25<br>Flicker SVM Wert 0,03 | Yes - PstLM $\leq$ 1,0<br>Yes - SVM $<$ 0,4 |

| Flicker Frame (Bild einer Flickerperiode im Zeitbereich) | Flicker FFT (Flickerkurve im Frequenzbereich) |
|----------------------------------------------------------|-----------------------------------------------|
|----------------------------------------------------------|-----------------------------------------------|

