

Lichteffizienz:

107 Lumen/Watt

CRI:

CRI: 83,8

Farbtemperatur:

3184 K

Lichtstärke: 1127 lm

Leuchtdichte: 2080 cd

Leistung: 10,6 W

Powerfaktor: 0,93



Bestellnummer:

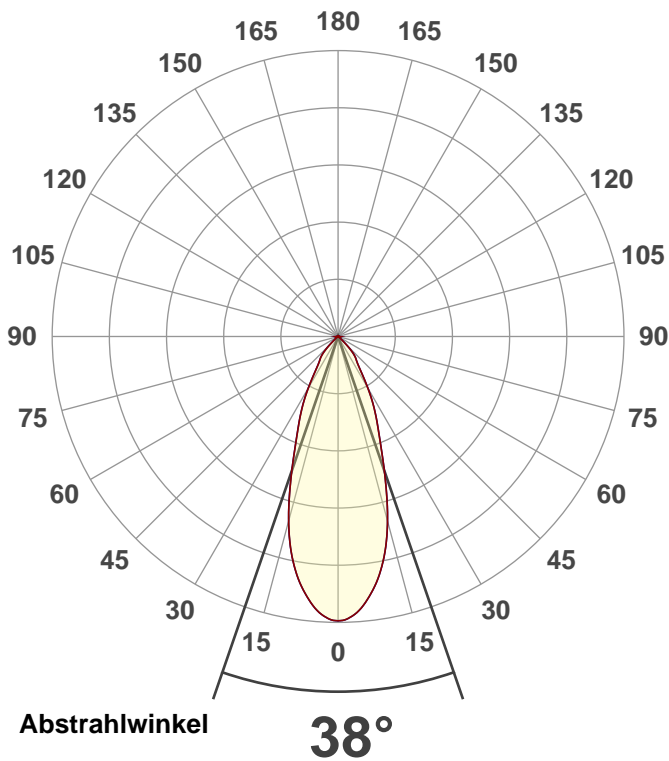
PC674101102

Messung erstellt:

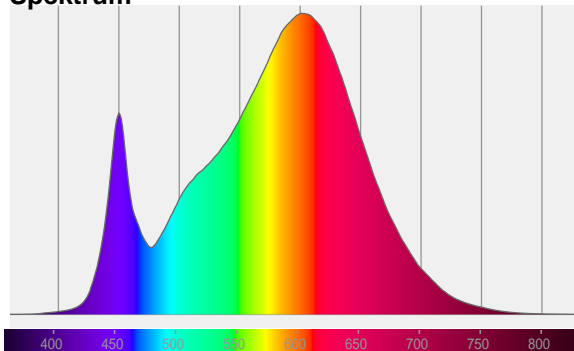
08.02.2023 15:20:26

Beschreibung:

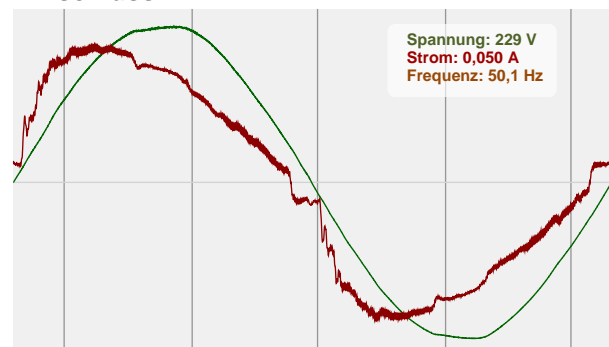
LED Bodeneinbau - quad. -
EDS / Alu IP67 - 100-240V -
11W - 3000K - 740lm

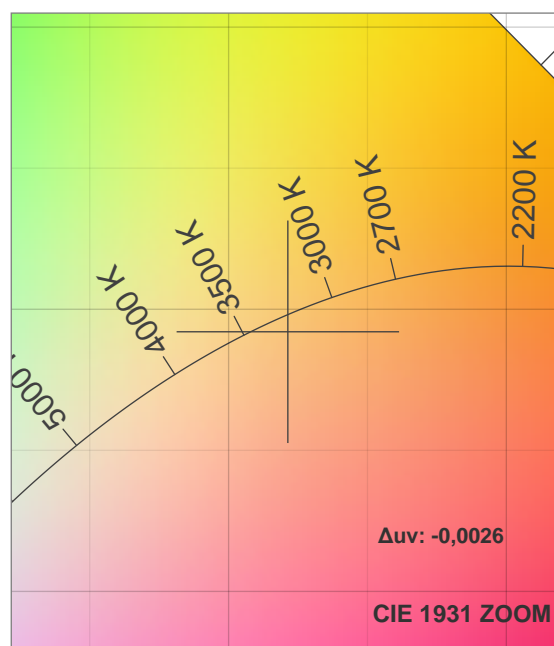
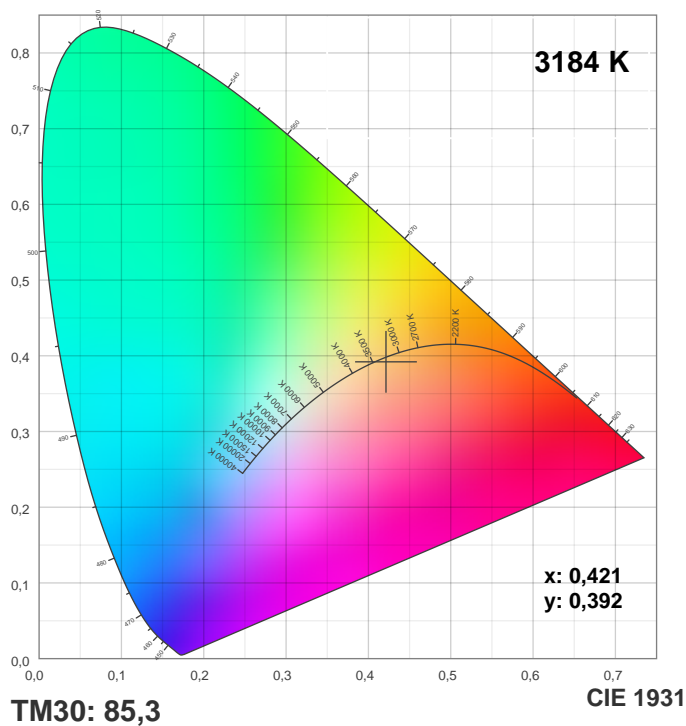


Spektrum

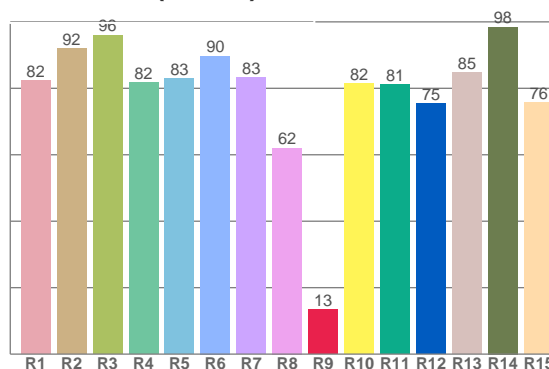
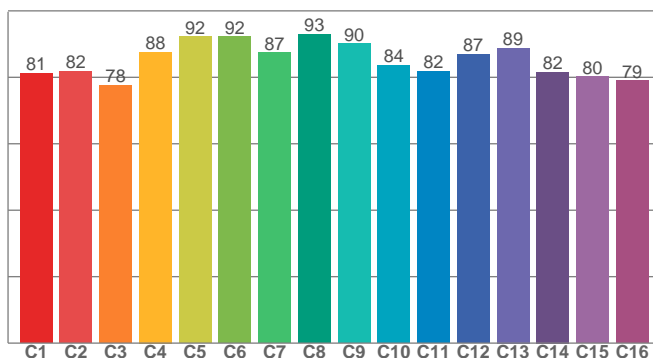


Anschluss





CRI: 83,8 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,4 | 91,9 | 96,0 | 81,8 | 82,9 | 89,7 | 83,3 | 62,0 | 13,3 | 81,5 | 81,2 | 75,4 | 84,7 | 98,4 | 75,7 |

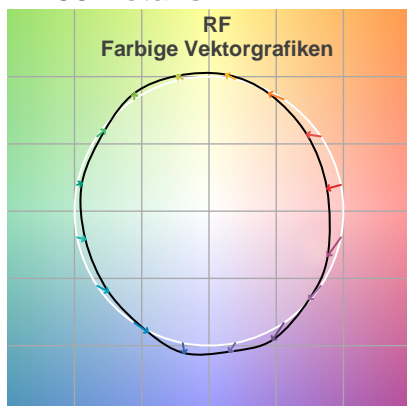
TM30 C-Werte, 16 eingelagerte Werte von insgesamt 99 C-Werten

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81,2 | 81,8 | 77,6 | 87,6 | 92,2 | 92,2 | 87,4 | 92,9 | 90,1 | 83,6 | 81,8 | 86,9 | 88,8 | 81,6 | 80,2 | 79,0 |

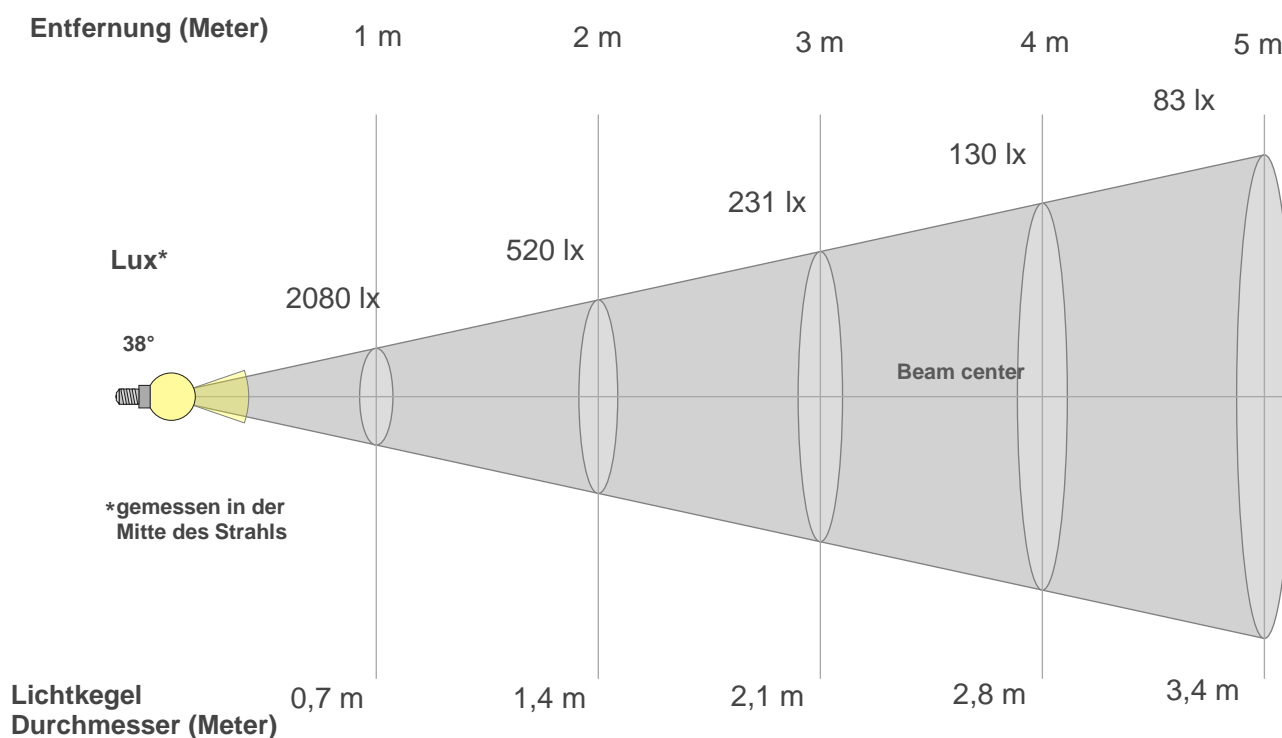
Farbparameter

| Farbtemperatur CCT | CRI-Wert rendering CRI | Rotanteil R9 CRI R9 | Farbtreue TM30 Rf | Farbbereich TM30 Rg |
|-----------------------|---------------------------|------------------------|----------------------|------------------------|
| 3184 K | 83,8 | 13,3 | 85,3 | 97,4 |

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 |
|--------|-------|-------|-------|------|------|------|------|------|------|---------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 2080lx | 520lx | 231lx | 130lx | 83lx | 58lx | 42lx | 32lx | 26lx | 21lx | 193,2lx | 48,3lx | 21,5lx | 12,1lx | 7,7lx | 5,4lx | 3,9lx | 3lx | 2,4lx | 1,9lx |

Blendungsbewertung nach UGR

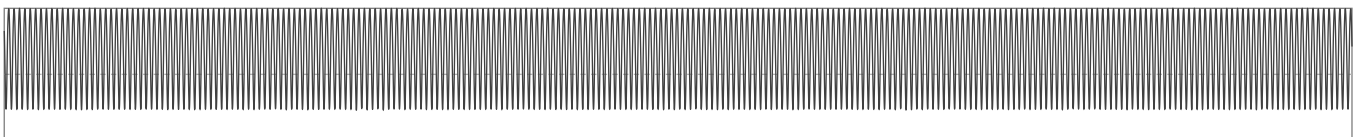
| | | | | | | | | | | | |
|-------------------------------------------------------------------|-----|-----------------------------------------------|-----|-----|-----|-----|-------------------------------------------|-----|-----|-----|-----|
| p Decke | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 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 X Y | | Blickrichtung rechtwinklig zur Lampenachse | | | | | Blickrichtung parallel zur 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 Zusammenfassung | | n/a | | | | | n/a | | | | |
| Korrigierte Blendungsindizes bezogen auf 1127 lm Gesamtlichtstrom | | | | | | | | | | | |

| Measurement Details | |
|---------------------|------------------------|
| Messzeitpunkt | 08.02.2023 15:20:26 |
| 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 | 100,5 Hz |
| | Flickeranteil in % | 62,72 % |
| | Flicker Index | 0,18 |
| Flicker Kennwerte gemäß der Kalifornische Energiekommission, JA 8/10 Prozentsatz Amplitudenmodulation | Ungefiltert | 62,72 % |
| | mit 40-Hz-Grenze | 0,99 % |
| | mit 90-Hz-Grenze | 6,47 % |
| | mit 200-Hz-Grenze | 62,56 % |
| | mit 400-Hz-Grenze | 62,47 % |
| | mit 1000-Hz-Grenze | 62,81 % |
| Flickerindex nach ASSIST | Mp 0,24 | 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 0,32 Flicker SVM Wert 2,23 | Yes - PstLM \leq 1,0 No - SVM $>$ 0,4 |



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

