# Light Measurement Report

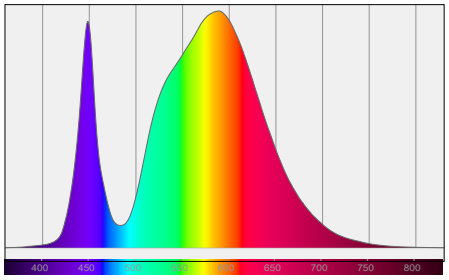
LED iBOND

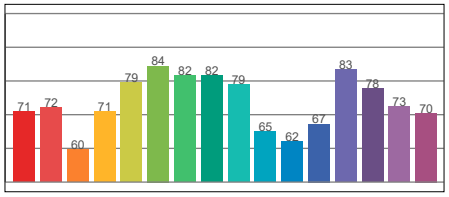
Print date: 23-10-2024

| Measurement Details | | |
|---|---|---|
| Measurement Date, Time and Serial No. | 04-04-2024 15:52 | LIB-240404-0728-MS |
| Tracking No. and Link | n/a | http://www.visosystems.com/tracking/ |
| Operator and Signature | GRR | |

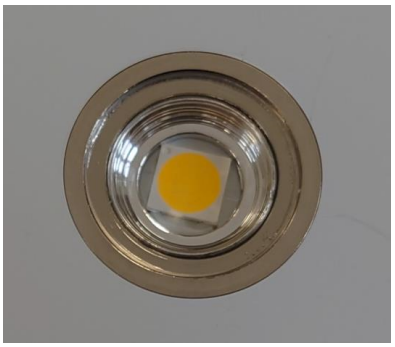
| Laboratory and Equipment | | | |
|---|---|---|---|
| Laboratory Owner and Location | Viso Systems | | Copenhagen V, Denmark |
| Spectrogoniometer System and Type | LightSpion | | Type C, horizontal |
| Sensor Name, Calibration Date and Serial No. | n/a | 16-05-2018 | n/a |
| Spectrometer Manufacturer and Model | Ocean Optics, USA | | STS VIS |
| Flicker Meter Type | LabFlicker | | |

| Measurement Conditions | | |
|---|---|---|
| Number of C-planes Measured and Resolution | 4 planes | 90,0° |
| γ (gamma) -resolution | 2,50° | |
| Input Power to the Light Source and Power Factor | 3,5 W | PF = 1,00 |
| Input RMS Voltage and Current to the Light Source | 23,5 V | 0,148 A |
| Frequency of Input Power | 0,0 Hz | |
| Warm-up Time and Variation | Not completed | 2,0 % |




| Tested Light Source | |
|---|---|
| Product Name | JR5050 740 HE W 0,148A |
| Item No. | |
| Manufacturer | LED iBond A/S |
| Product Description | |



| Main Light Measurement Results | | |
|---|---|---|
| Output – Total Lumen (Down%, Up%) | 579 lm | (100%/0%) |
| Efficiency | 166,2 lm/W | |
| Peak Intensity | 241 cd | |
| Beam Angle (50% level) | 110,7 ° | |
| Correlated Color Temperature, CCT /measured | 3732 K | / 3732 |
| CIE Color Coordinates, x,y and u,v | (x;y) = 0,3959 0,3925<br>(u;v) = 0,2289 0,3404 | |
| Color Shift, CIE duv and MacAdams Steps | Duv = 0,0030<br>SDCM = n/a | CCT target not set |
| Flicker | SVM = 65535<br>PstLM = 65535 | |
| Color Rendering Index | CRI = 70,3<br>TM30-18 Rf = 72,9<br>TM30-18 Rg = 94,2 | |