

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 8257 lm

Peak: 2322 cd

Power: 186.9 W

PF: 1.0



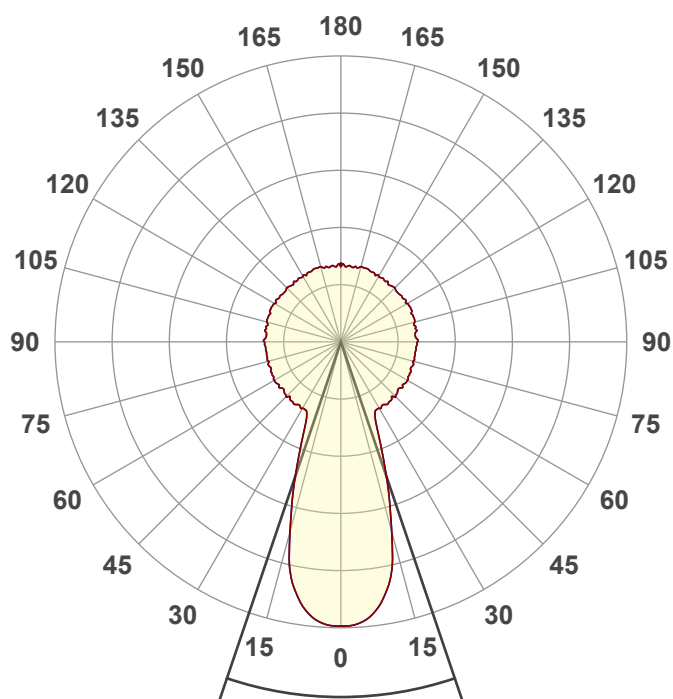
Product name:

**Hydro Flex L7 (Zoom Out Blue)**

Item number:

Date and time:

**8/25/2025 1:37:30 PM**



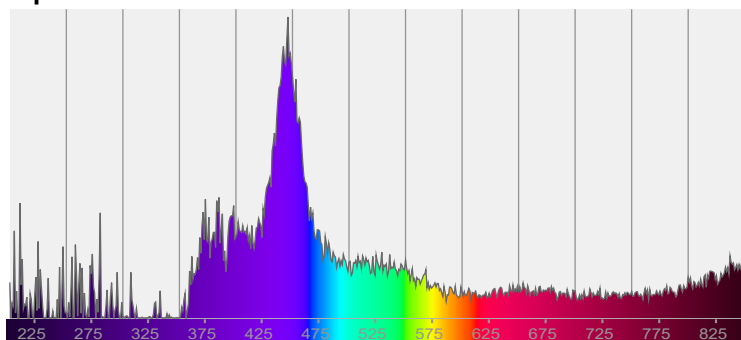
Beam angle

**37.4°**



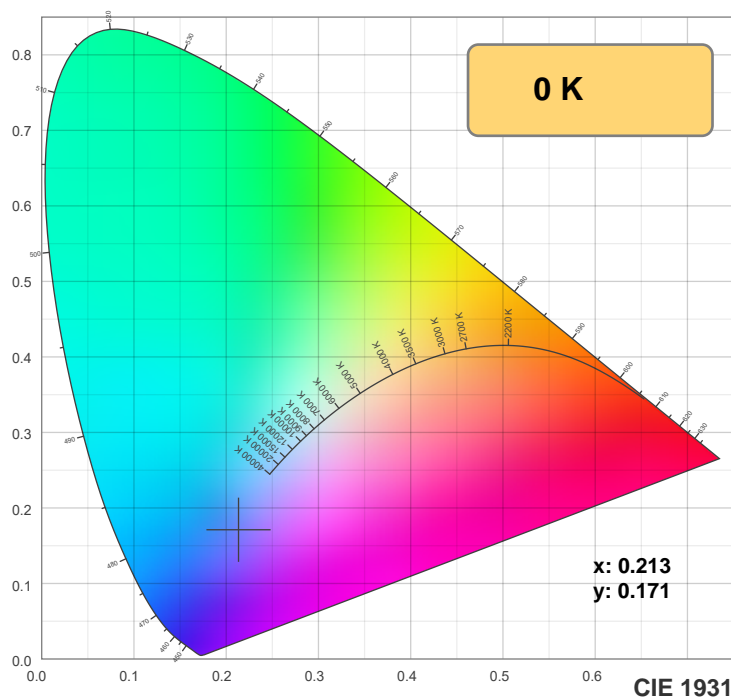
CIE 1931  
x: 0.213  
y: 0.171

Spectra

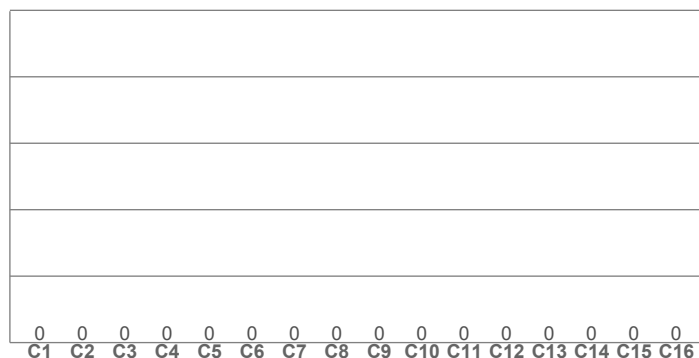


Power

Voltage: 116 V  
Current: 1.61 A  
Frequency: 0 Hz



TM-30: 0.0



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

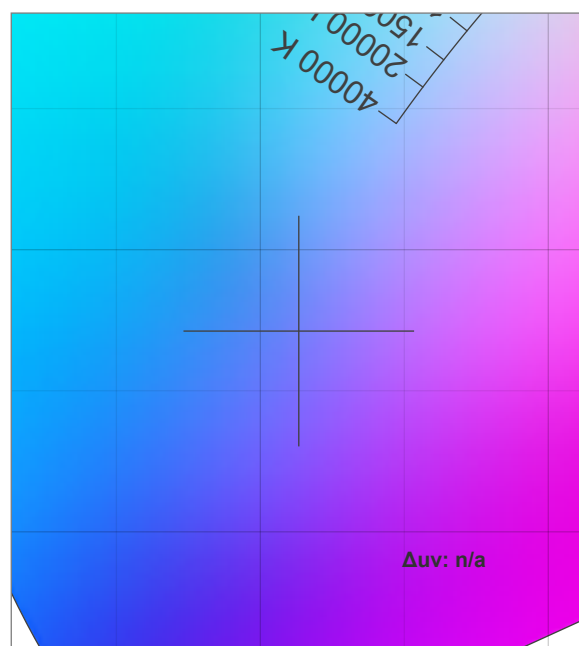
| R1  | R2  | R3  | R4  | R5  | R6  | R7  | R8  | R9  | R10 | R11 | R12 | R13 | R14 | R15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

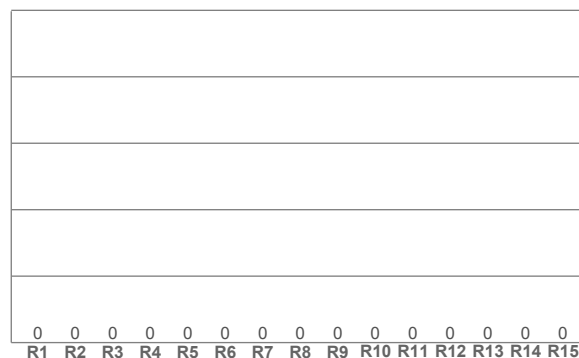
| C1  | C2  | C3  | C4  | C5  | C6  | C7  | C8  | C9  | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

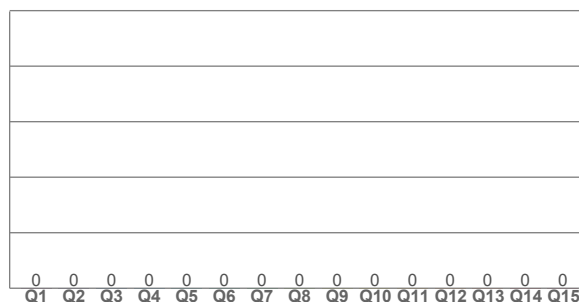
| Q1  | Q2  | Q3  | Q4  | Q5  | Q6  | Q7  | Q8  | Q9  | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



CRI: 0.0 (R1-R8)



CQS: 0.0



## Color parameters

| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | Δuv                             |
| 0 K               | 0.0                   | 0.0           | 0.0            | 0.0         | 0.0                 | 0.213                     | 0.171                     | 0.184            | 0.222            | n/a                             |

# TM-30 details

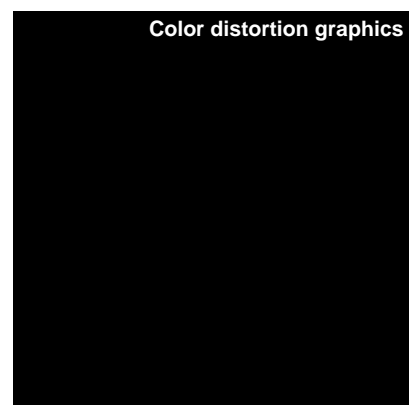
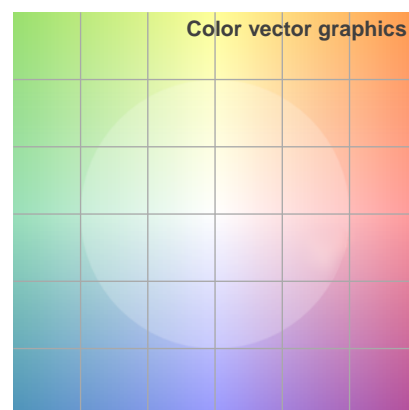
**Rf 0.0**

Fidelity index Rf

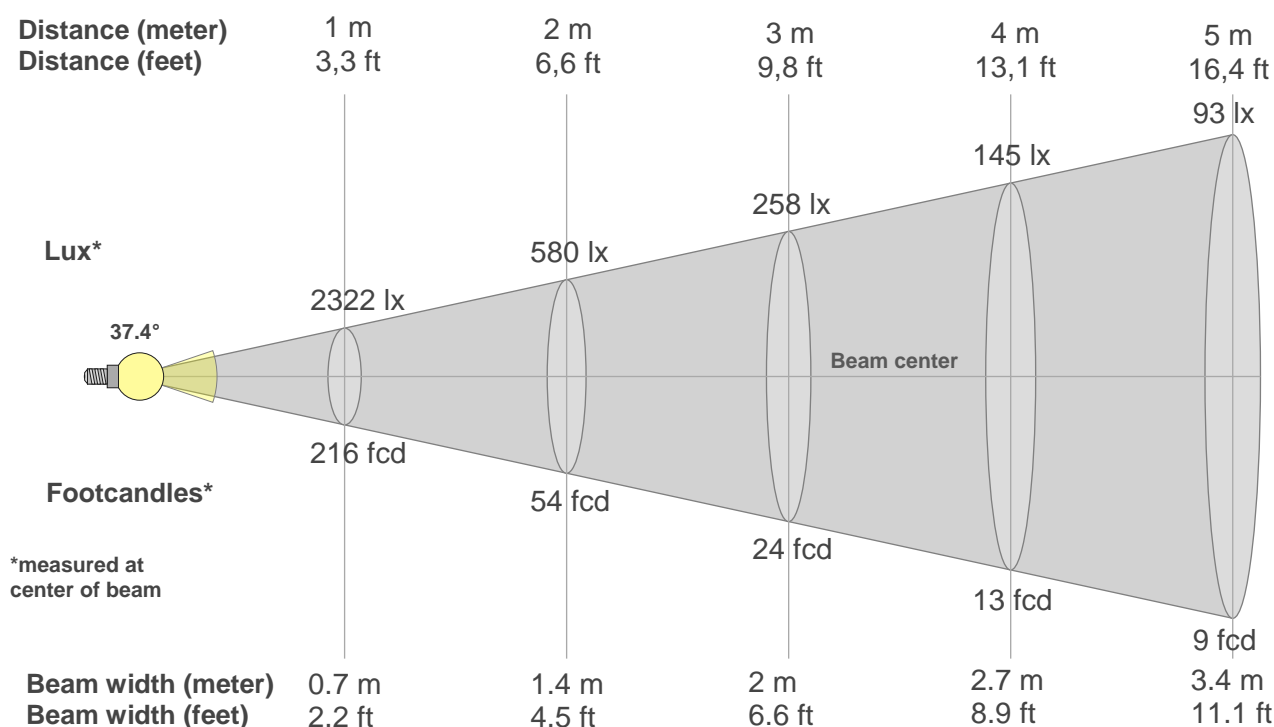
**Rg 0.0**

Gamut index Rg

| Hue Bin | R <sub>i</sub> | Shifts (%) |     |
|---------|----------------|------------|-----|
|         |                | Chroma     | Hue |
| 1       | 0              | 0%         | 0%  |
| 2       | 0              | 0%         | 0%  |
| 3       | 0              | 0%         | 0%  |
| 4       | 0              | 0%         | 0%  |
| 5       | 0              | 0%         | 0%  |
| 6       | 0              | 0%         | 0%  |
| 7       | 0              | 0%         | 0%  |
| 8       | 0              | 0%         | 0%  |
| 9       | 0              | 0%         | 0%  |
| 10      | 0              | 0%         | 0%  |
| 11      | 0              | 0%         | 0%  |
| 12      | 0              | 0%         | 0%  |
| 13      | 0              | 0%         | 0%  |
| 14      | 0              | 0%         | 0%  |
| 15      | 0              | 0%         | 0%  |
| 16      | 0              | 0%         | 0%  |



## Beam details



### Beam intensities from 1-20m

| 1m       | 2m      | 3m    | 4m      | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|----------|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft    | 6.6ft   | 9.8ft | 13.1ft  | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 2322lx   | 580lx   | 258lx | 145lx   | 93lx   | 64lx   | 47lx   | 36lx   | 29lx   | 23lx   | 19lx   | 16lx   | 14lx   | 12lx   | 10lx   | 9lx    | 8lx    | 7lx    | 6lx    | 6lx    |
| 215.7fcd | 53.9fcd | 24fcd | 13.5fcd | 8.6fcd | 6fcd   | 4.4fcd | 3.4fcd | 2.7fcd | 2.2fcd | 1.8fcd | 1.5fcd | 1.3fcd | 1.1fcd | 1fcd   | 0.8fcd | 0.7fcd | 0.7fcd | 0.6fcd | 0.5fcd |

### Intensities in 0° c-plane

| 0°   | 9°   | 18°  | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 2322 | 2143 | 1245 | 629 | 632 | 631 | 624 | 620 | 619 | 615 | 625 | 625 | 628  | 633  | 620  | 622  | 615  | 616  | 634  | 617  |
| 100% | 92%  | 54%  | 27% | 27% | 27% | 27% | 27% | 27% | 26% | 27% | 27% | 27%  | 27%  | 27%  | 27%  | 26%  | 27%  | 27%  | 27%  |

### Intensities in 90° c-plane

| 0°   | 9°   | 18°  | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 2322 | 2143 | 1245 | 629 | 632 | 631 | 624 | 620 | 619 | 615 | 625 | 625 | 628  | 633  | 620  | 622  | 615  | 616  | 634  | 617  |
| 100% | 92%  | 54%  | 27% | 27% | 27% | 27% | 27% | 27% | 26% | 27% | 27% | 27%  | 27%  | 27%  | 27%  | 26%  | 27%  | 27%  | 27%  |

### Intensities in 180° c-plane

| 0°   | 9°   | 18°  | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 2322 | 2143 | 1245 | 629 | 632 | 631 | 624 | 620 | 619 | 615 | 625 | 625 | 628  | 633  | 620  | 622  | 615  | 616  | 634  | 617  |
| 100% | 92%  | 54%  | 27% | 27% | 27% | 27% | 27% | 27% | 26% | 27% | 27% | 27%  | 27%  | 27%  | 27%  | 26%  | 27%  | 27%  | 27%  |

### Intensities in 270° c-plane

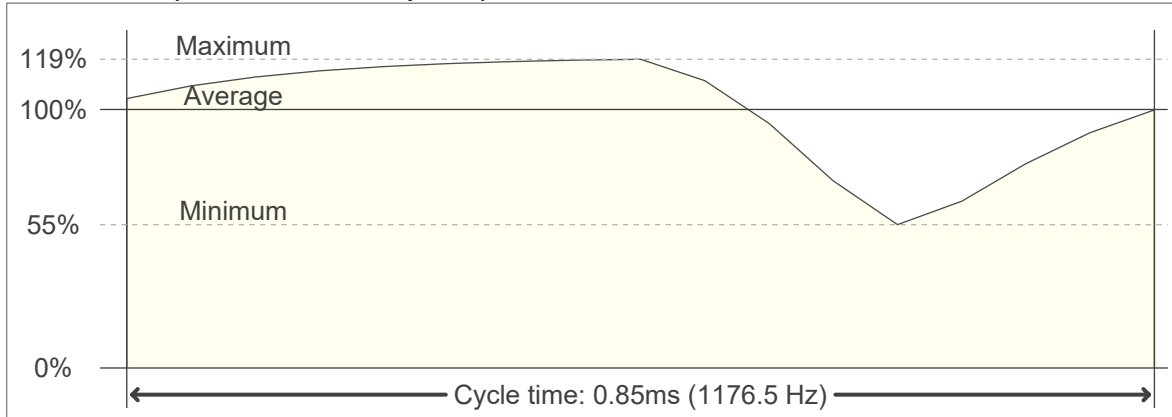
| 0°   | 9°   | 18°  | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 2322 | 2143 | 1245 | 629 | 632 | 631 | 624 | 620 | 619 | 615 | 625 | 625 | 628  | 633  | 620  | 622  | 615  | 616  | 634  | 617  |
| 100% | 92%  | 54%  | 27% | 27% | 27% | 27% | 27% | 27% | 26% | 27% | 27% | 27%  | 27%  | 27%  | 27%  | 26%  | 27%  | 27%  | 27%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 37.4°          | 360°            | 360°              | 29.1%                        | 19.4%                       |

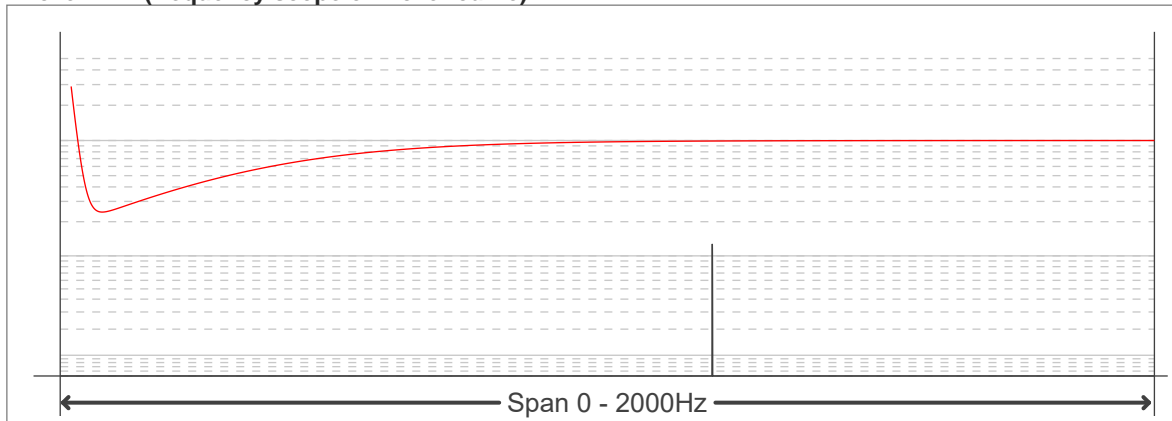
**Flicker curve (complete sampled flicker signal)**



**Flicker frame (frame of one flicker period)**



**Flicker FFT (frequency scope of flicker curve)**



**Flicker results:**

| Flicker frequency:    |         | 1176.47 Hz    |        |
|-----------------------|---------|---------------|--------|
| Flicker index:        | 0.08    | JA8/10 40Hz   | 0.05 % |
| Flicker percentage:   | 37.05 % | JA8/10 90Hz   | 0.06 % |
| SVM: (Visual flicker) | 0.26    | JA8/10 200Hz  | 0.08 % |
| PstLM                 | 0       | JA8/10 400Hz  | 0.16 % |
| Mp                    | 0.03    | JA8/10 1000Hz | 2.21 % |

**Flicker conditions:**

|              |                      |
|--------------|----------------------|
| Sample rate: | 20000 samples/second |
|--------------|----------------------|