

**Light efficiency:**

**26 Lumen/Watt**

**Light quality:**

**CRI: 0.0**

**Color temperature:**

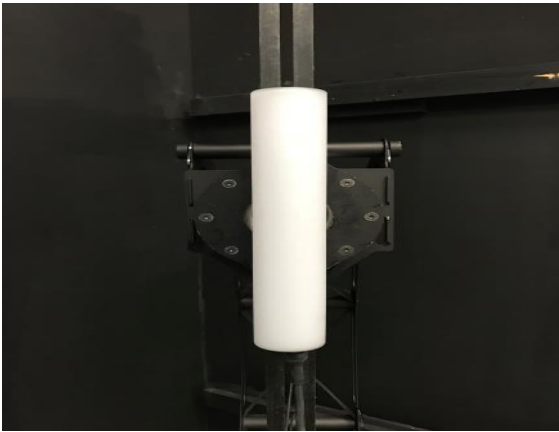
**0 K**

**Output: 99.2 lm**

**Peak: 19.6 cd**

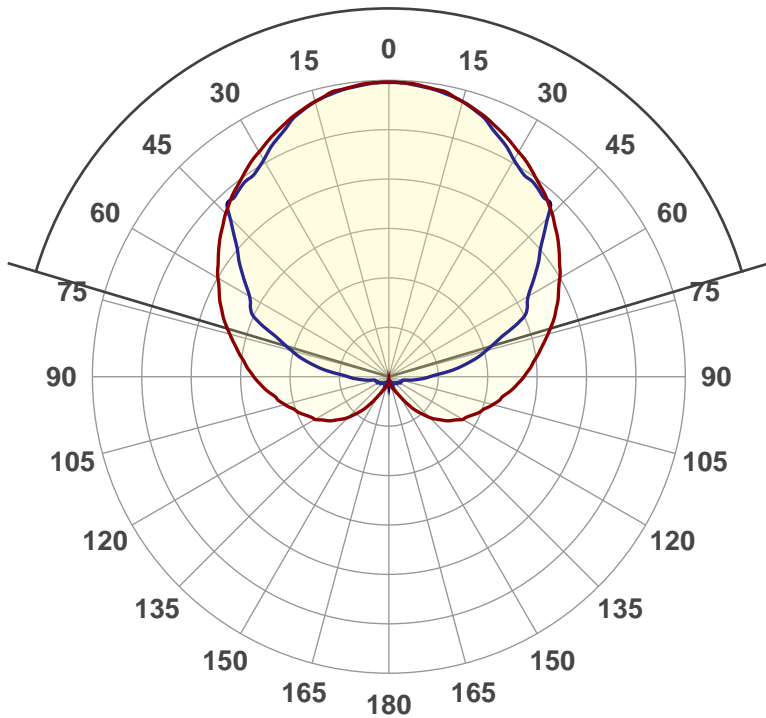
**Power: 3.8 W**

**PF: 1.0**



**146.8°**

**Beam angle**



**Color**



**CIE 1931**  
**x: 0.695**  
**y: 0.299**

**Product name:**

**PH-HL-300-5W-RGBW40K-ELV-HO-CA-ROUND-RED**

**Date and time:**

**7/20/2018 3:39:57 PM**

**Additional Information:**

**LED: RGBW 40K**

**FIXTURE: HL GEN 3 300MM**

**LENS: YES**

**PROFILE: HL-DL**

**DIFFUSER: ROUND**

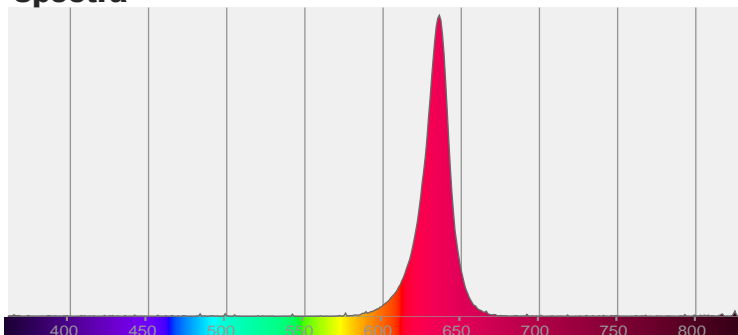
**COLOR-AMP: ON**

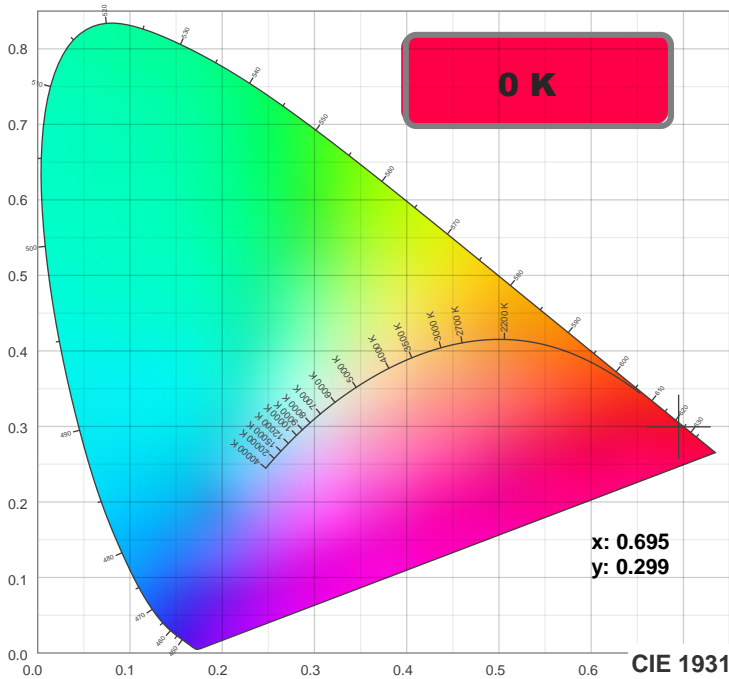
**STABILIZED: YES**

**COLOR (RGBW): RED**

**LUMINANCE: 1845 cd/m2**

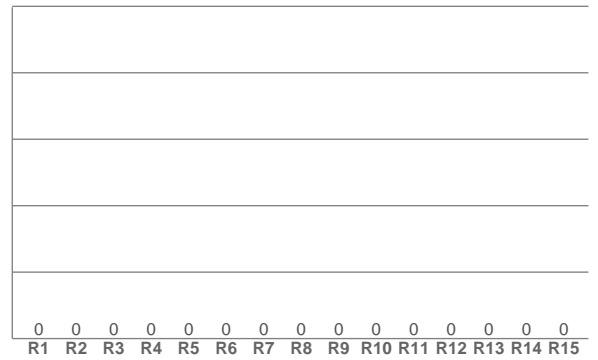
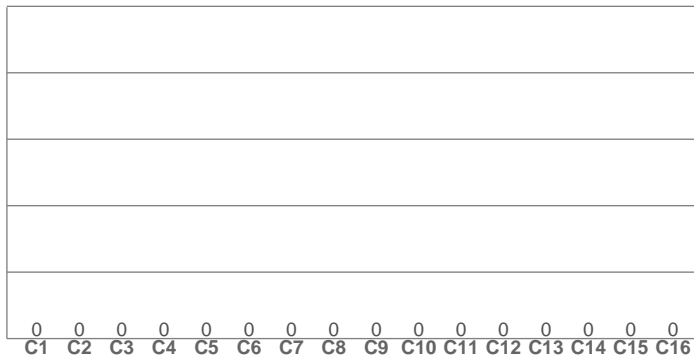
**Spectra**





**TM30: 0.0**

**CRI: 0.0 (R1-R8)**



**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 |

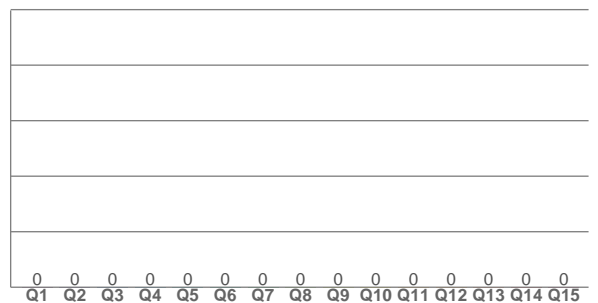
**TM30 C values, 16 binned values out of total of 99 C values**

| 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**

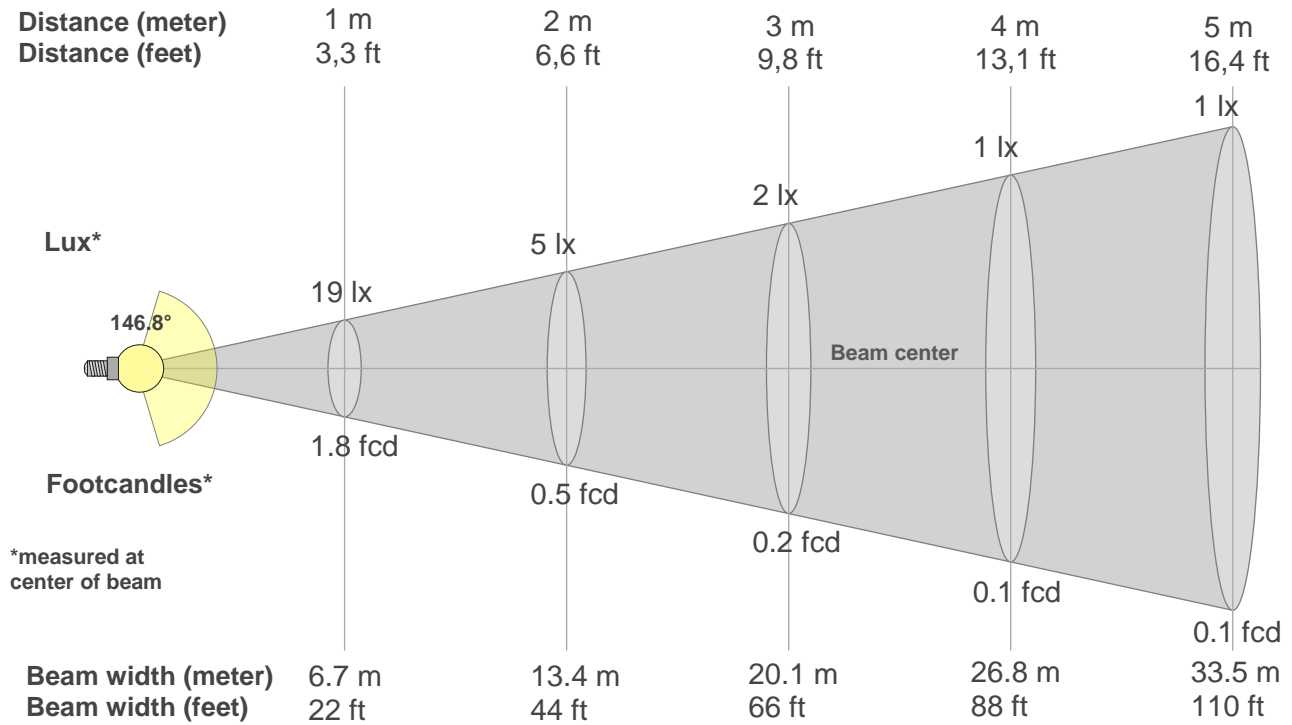
| Q1  | Q2  | Q3  | Q4  | Q5  | Q6  | Q7  | Q8  | Q9  | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**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                | $\Delta uv$                     |
| 0 K               | 0.0                   | 0.0           | 0.0            | 0.0         | 0.0                 | 0.695                     | 0.299                     | 0.534            | 0.345            | n/a                             |



### 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 |
| 19lx   | 5lx    | 2lx    | 1lx    | 1lx    | 1lx    | 0lx  | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    |
| 1.8fcd | 0.5fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   |

### 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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|
| 19.5 | 19.3 | 18.6 | 17.6 | 16.5 | 15.3 | 14.0 | 12.6 | 11.4 | 10.1 | 9.0 | 7.8 | 6.8  | 5.9  | 5.0  | 3.8  | 2.5  | 1.3  | 0.8  | 0.5  |
| 100% | 99%  | 96%  | 90%  | 85%  | 79%  | 72%  | 65%  | 58%  | 52%  | 46% | 40% | 35%  | 30%  | 25%  | 20%  | 13%  | 7%   | 4%   | 3%   |

### 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 19.5 | 19.3 | 18.6 | 17.2 | 16.1 | 14.9 | 12.1 | 10.3 | 7.5 | 5.1 | 2.7 | 1.4 | 0.9  | 0.8  | 0.7  | 0.6  | 0.5  | 0.5  | 0.4  | 0.4  |
| 100% | 99%  | 95%  | 88%  | 83%  | 76%  | 62%  | 53%  | 38% | 26% | 14% | 7%  | 5%   | 4%   | 4%   | 3%   | 3%   | 3%   | 2%   | 2%   |

### 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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|
| 19.5 | 19.3 | 18.6 | 17.6 | 16.5 | 15.3 | 14.0 | 12.6 | 11.4 | 10.1 | 9.0 | 7.8 | 6.8  | 5.9  | 5.0  | 3.8  | 2.5  | 1.3  | 0.8  | 0.5  |
| 100% | 99%  | 96%  | 90%  | 85%  | 79%  | 72%  | 65%  | 58%  | 52%  | 46% | 40% | 35%  | 30%  | 25%  | 20%  | 13%  | 7%   | 4%   | 3%   |

### 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° |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 19.5 | 19.3 | 18.6 | 17.2 | 16.1 | 14.9 | 12.1 | 10.3 | 7.5 | 5.1 | 2.7 | 1.4 | 0.9  | 0.8  | 0.7  | 0.6  | 0.5  | 0.5  | 0.4  | 0.4  |
| 100% | 99%  | 95%  | 88%  | 83%  | 76%  | 62%  | 53%  | 38% | 26% | 14% | 7%  | 5%   | 4%   | 4%   | 3%   | 3%   | 3%   | 2%   | 2%   |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 146.8°         | 263.5°          | 338.2°            | 49.1%                        | 31.5%                       |