

## ECRES H04 LED INDOOR AND OUTDOOR LIGHTS



### H04 Lights

| Types   | Output | Beam angle | Colour temperature | Lumen    | Lumen/Watt | Item No.   |
|---------|--------|------------|--------------------|----------|------------|------------|
| H04-100 | 100W   | 40°        | 6500K              | 11500lm  | 115lm/W    | 0401004065 |
| H04-150 | 150W   | 40°        | 6500K              | 17250lm  | 115lm/W    | 0401504065 |
| H04-200 | 200W   | 40°        | 6500K              | 23000lm  | 115lm/W    | 0402004065 |
| H04-300 | 300W   | 40°        | 6500K              | 34500lm  | 115lm/W    | 0403004065 |
| H04-400 | 400W   | 40°        | 6500K              | 46000lm  | 115lm/W    | 0404004065 |
| H04-500 | 500W   | 40°        | 6500K              | 57500lm  | 115lm/W    | 0405004065 |
| H04-600 | 600W   | 40°        | 6500K              | 69000lm  | 115lm/W    | 0406004065 |
| H04-700 | 700W   | 40°        | 6500K              | 80500lm  | 115lm/W    | 0407004065 |
| H04-800 | 800W   | 40°        | 6500K              | 92000lm  | 115lm/W    | 0408004065 |
| H04-900 | 900W   | 40°        | 6500K              | 103500lm | 115lm/W    | 0409004065 |

|          |       |     |       |          |         |            |
|----------|-------|-----|-------|----------|---------|------------|
| H04-1000 | 1000W | 40° | 6500K | 115000lm | 115lm/W | 0410004065 |
| H04-1200 | 1200W | 40° | 6500K | 138000lm | 115lm/W | 0412004065 |
| H04-1500 | 1500W | 40° | 6500K | 172500lm | 115lm/W | 0415004065 |
| H04-2000 | 2000W | 40° | 6500K | 230000lm | 115lm/W | 0420004065 |
| H04-3000 | 3000W | 40° | 6500K | 345000lm | 115lm/W | 0430004065 |
| H04-4000 | 4000W | 40° | 6500K | 460000lm | 115lm/W | 0440004065 |

\* mounting height up to 5-40m

\* further types (output, colour temperature, RGB, beam angle, dimmable) on request

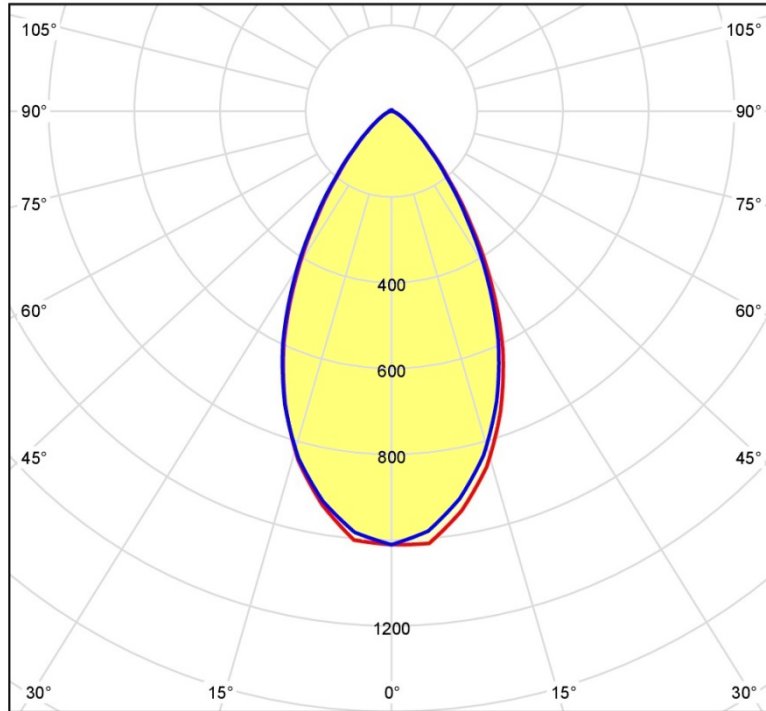
| Technical Data               | H04-100                 | H04-150       | H04-200       | H04-300       |
|------------------------------|-------------------------|---------------|---------------|---------------|
| LED- total output            | 100W                    | 150W          | 200W          | 300W          |
| Input voltage                | 90...305V AC            |               |               |               |
| Frequency                    | 50/60 Hz                |               |               |               |
| Beam angle                   | 10°, 25°, 40°, 60°, 90° |               |               |               |
| CRI / Ra                     | >80                     |               |               |               |
| Protection class             | IP65                    |               |               |               |
| System TÜV certified         | yes                     |               |               |               |
| UV/infrared radiation        | no                      |               |               |               |
| Operating temperature        | -30°C...+60°C           |               |               |               |
| Dimmable                     | on request              |               |               |               |
| RGB                          | on request              |               |               |               |
| Colour temperature           | 2800K...7500K           |               |               |               |
| Dimensions                   | 375x370x120mm           | 375x370x120mm | 440x370x120mm | 440x470x120mm |
| Lumen at 6500K               | 11500lm ± 5%            | 17250lm ± 5%  | 23000lm ± 5%  | 34500lm ± 5%  |
| Luminous efficiency at 6500K | 115lm/W ± 5%            | 115lm/W ± 5%  | 115lm/W ± 5%  | 115lm/W ± 5%  |

| Technical Data               | H04-400                 | H04-500       | H04-600       | H04-700       |
|------------------------------|-------------------------|---------------|---------------|---------------|
| LED- total output            | 400W                    | 500W          | 600W          | 700W          |
| Input voltage                | 90...305V AC            |               |               |               |
| Frequency                    | 50/60 Hz                |               |               |               |
| Beam angle                   | 10°, 25°, 40°, 60°, 90° |               |               |               |
| CRI / Ra                     | >80                     |               |               |               |
| Protection class             | IP65                    |               |               |               |
| System TÜV certified         | yes                     |               |               |               |
| UV/infrared radiation        | no                      |               |               |               |
| Operating temperature        | -30°C...+60°C           |               |               |               |
| Dimmable                     | on request              |               |               |               |
| RGB                          | on request              |               |               |               |
| Colour temperature           | 2800K...7500K           |               |               |               |
| Dimensions                   | 570x470x120mm           | 700x500x120mm | 830x500x120mm | 830x500x120mm |
| Lumen at 6500K               | 46000lm ± 5%            | 57500lm ± 5%  | 69000lm ± 5%  | 80500lm ± 5%  |
| Luminous efficiency at 6500K | 115lm/W ± 5%            | 115lm/W ± 5%  | 115lm/W ± 5%  | 115lm/W ± 5%  |

| Technical Data               | H04-800                 | H04-900       | H04-1000      | H04-1200      |
|------------------------------|-------------------------|---------------|---------------|---------------|
| LED- total output            | 800W                    | 1000W         | 1200W         | 1500W         |
| Input voltage                | 90...305V AC            |               |               |               |
| Frequency                    | 50/60 Hz                |               |               |               |
| Beam angle                   | 10°, 25°, 40°, 60°, 90° |               |               |               |
| CRI / Ra                     | >80                     |               |               |               |
| Protection class             | IP65                    |               |               |               |
| System TÜV certified         | yes                     |               |               |               |
| UV/infrared radiation        | no                      |               |               |               |
| Operating temperature        | -30°C...+60°C           |               |               |               |
| Dimmable                     | on request              |               |               |               |
| RGB                          | on request              |               |               |               |
| Colour temperature           | 2800K...7500K           |               |               |               |
| Dimensions                   | 880x570x120mm           | 880x570x120mm | 880x680x120mm | 950x680x120mm |
| Lumen at 6500K               | 92000lm ± 5%            | 103500lm ± 5% | 115000lm ± 5% | 138000lm ± 5% |
| Luminous efficiency at 6500K | 115lm/W ± 5%            | 115lm/W ± 5%  | 115lm/W ± 5%  | 115lm/W ± 5%  |

| Technical Data               | H04-1500                | H04-2000      | H04-3000      | H04-4000      |
|------------------------------|-------------------------|---------------|---------------|---------------|
| LED- total output            | 1500W                   | 2000W         | 3000W         | 4000W         |
| Input voltage                | 90...305V AC            |               |               |               |
| Frequency                    | 50/60 Hz                |               |               |               |
| Beam angle                   | 10°, 25°, 40°, 60°, 90° |               |               |               |
| CRI / Ra                     | >80                     |               |               |               |
| Protection class             | IP65                    |               |               |               |
| System TÜV certified         | yes                     |               |               |               |
| UV/infrared radiation        | no                      |               |               |               |
| Operating temperature        | -30°C...+60°C           |               |               |               |
| Dimmable                     | on request              |               |               |               |
| RGB                          | on request              |               |               |               |
| Colour temperature           | 2800K...7500K           |               |               |               |
| Dimensions (mm)              | 1000x850x120            | 1400x1100x120 | 1500x1200x120 | 1600x1400x120 |
| Lumen at 6500K               | 172500lm ± 5%           | 230000lm ± 5% | 345000lm ± 5% | 460000lm ± 5% |
| Luminous efficiency at 6500K | 115lm/W ± 5%            | 115lm/W ± 5%  | 115lm/W ± 5%  | 115lm/W ± 5%  |

## Polar diagram of the luminous intensity H04-500 60° 6500K



LED

IP 65


-30°C

+60°C

10°-90°

6 years warranty


**ECRES H04**

 Diese Leuchte enthält eingebaute LED-Lampen.

**A<sup>++</sup>**  
**A<sup>+</sup>**  
**A**  
**C**  
**D**  
**F**

**L**  
**E**  
**D**

Die Lampen können in der Leuchte nicht ausgetauscht werden.

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## H04 L Lights

| Types     | Output | Beam angle | colour temperature | Lumen   | Lumen/Watt | Item No.   |
|-----------|--------|------------|--------------------|---------|------------|------------|
| H04-060-L | 60W    | 40°        | 6500K              | 6000lm  | 100lm/W    | 040604065L |
| H04-090-L | 90W    | 40°        | 6500K              | 9000lm  | 100lm/W    | 040904065L |
| H04-110-L | 110W   | 40°        | 6500K              | 11000lm | 100lm/W    | 041104065L |

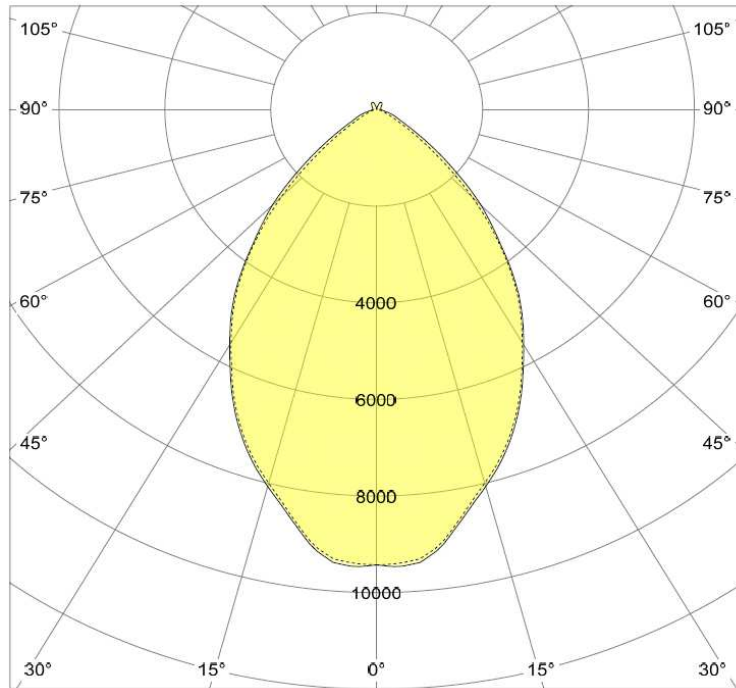
\* further types (output, colour temperature, beam angle) on request

| Technical Data               | H04-060-L              | H04-090-L    | H04-110-L    |
|------------------------------|------------------------|--------------|--------------|
| LED- total output            | 60W                    | 90W          | 110W         |
| Input voltage                | 90...305V AC           |              |              |
| Beam angle                   | 10, 25°, 40°, 60°, 90° |              |              |
| CRI / Ra                     | >70                    |              |              |
| Protection class             | IP65                   |              |              |
| System TÜV certified         | yes                    |              |              |
| UV/infrared radiation        | no                     |              |              |
| Operating temperature        | -30°C...+60°C          |              |              |
| Dimmable                     | on request             |              |              |
| Colour temperature           | 2800K...7500K          |              |              |
| Lumen at 6500K               | 6000lm ± 5%            | 9000lm ± 5%  | 11000lm ± 5% |
| Luminous efficiency at 6500K | 100lm/W ± 5%           | 100lm/W ± 5% | 100lm/W ± 5% |

## H04 LED LIGHTS

- ECRES H04 LED LIGHTS replace conventional HQI- and HQL-Lights
- ECRES H04 LED LIGHTS run without any turn-on delay at full luminosity
- ECRES H04 LED LIGHTS have a very long lifetime without significant aging
- Special feature: high mechanical resistance
- No flickering
- Free of UV and infrared radiation
- Protection class IP65
- Operating temperature ca. -30°C...+ 60°C
- 6 year warranty on full performance

## Polar diagram of the luminous intensity H04-110-L 6500K



LED

IP 65

-30°C

+60°C

10°-90°

6 years warranty

