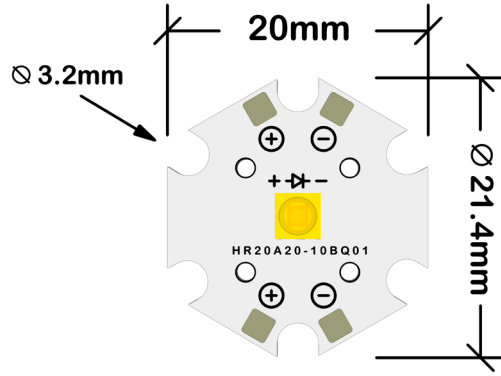
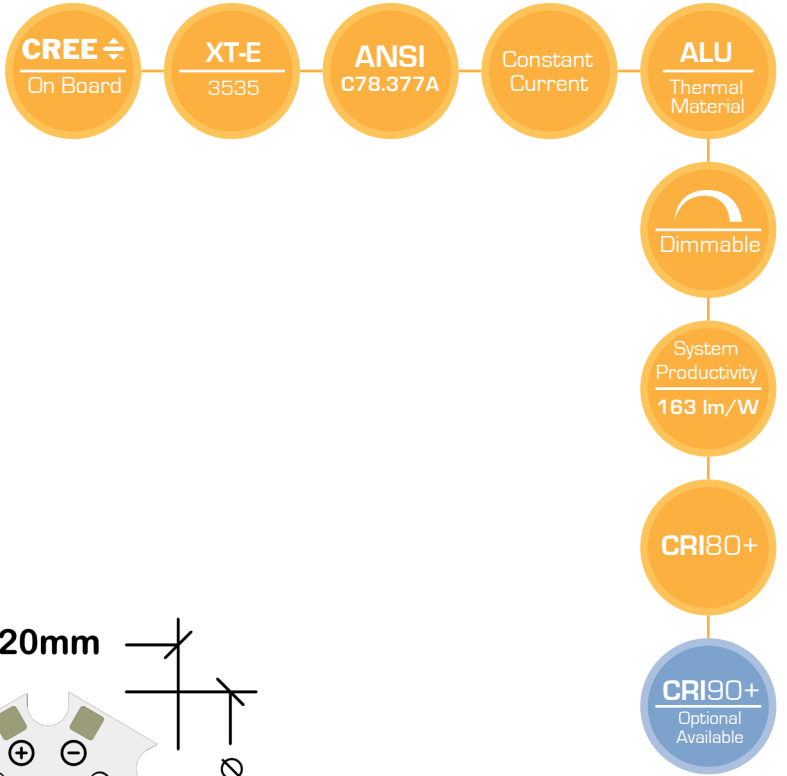


Technical Data

| | |
|-----------------------------|-------------|
| Beam Angle | 115° |
| Ambient Temperature (Ta) | -30...+50°C |
| Tp Rated | +65°C |
| Tc | +85°C |
| Photobiological Test Report | EIC 62471 |
| Life Test Report | EIS LM-80 |
| LVD Test Report | EIC 62031 |
| UL Compliant | E349212 |
| Thermal Conductivity | 1.0W/mk |



| Product Code | LED Quantity | Vf typ. | If typ. | Consumption (W) | Color CCT (Kelvin) | Luminous Flux(lm) | Bin Code | Productivity of the Module |
|----------------|--------------|---------|---------|-----------------|--------------------|-------------------|----------|----------------------------|
| HR20A20-10BQ01 | 1 LED | 2.9V | 350mA | 1W | 2700K | 142 lm | S20 | 142 lm/W |
| | | | | | 3000K | 153 lm | S30 | 153 lm/W |
| | | | | | 4000K | 163 lm | S40 | 163 lm/W |
| | | | | | 6500K | 163 lm | S40 | 163 lm/W |
| | | 3.0V | 500mA | 1.5W | 2700K | 200 lm | S20 | 132 lm/W |
| | | | | | 3000K | 215 lm | S30 | 142 lm/W |
| | | | | | 4000K | 230 lm | S40 | 152 lm/W |
| | | | | | 6500K | 230 lm | S40 | 152 lm/W |
| | | 3.1V | 700mA | 2.2W | 2700K | 270 lm | S20 | 122 lm/W |
| | | | | | 3000K | 285 lm | S30 | 130 lm/W |
| | | | | | 4000K | 310 lm | S40 | 140 lm/W |
| | | | | | 6500K | 310 lm | S40 | 140 lm/W |

* Production tolerance of luminous flux and efficiency: ±10%