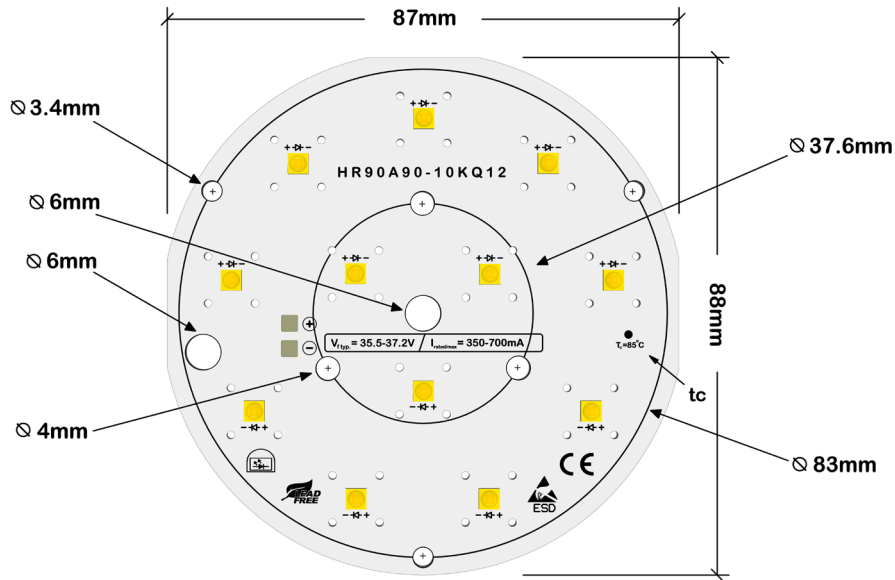
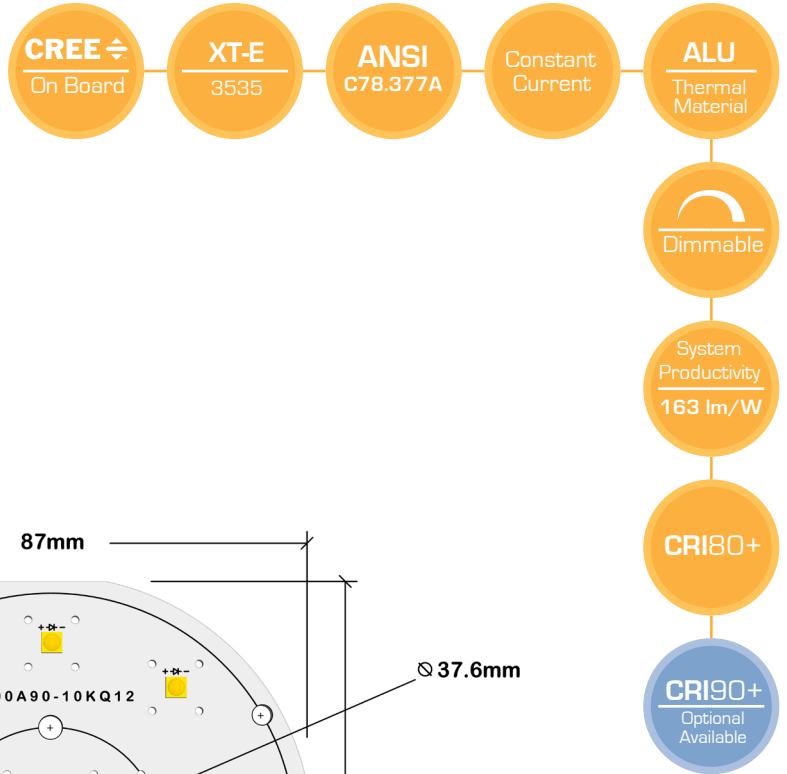


Technical Data

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
HR90A90-10KQ12	12 LED	34.3V	350mA	12W	2700K	1705 lm	S20	142 lm/W
					3000K	1835 lm	S30	153 lm/W
					4000K	1955 lm	S40	163 lm/W
					6500K	1955 lm	S40	163 lm/W
		35.5V	500mA	17.8W	2700K	2350 lm	S20	132 lm/W
					3000K	2530 lm	S30	142 lm/W
					4000K	2705 lm	S40	152 lm/W
					6500K	2705 lm	S40	152 lm/W
		36.7V	700mA	25.7W	2700K	3135 lm	S20	122 lm/W
					3000K	3340 lm	S30	130 lm/W
					4000K	3600 lm	S40	140 lm/W
					6500K	3600 lm	S40	140 lm/W

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