

Topic 14

Case Study : Cree lighting

Cree Lighting Industrial Product Lines × Operating Temperature Range

Product Series	Type	Lumen Output Range	Operating Temp. Range	Features / Application
KBL Series	High/Low Bay	9,000–45,000 lm	-30 °C ~ +50 °C	High efficiency, multiple lumen packages, warehouses, manufacturing, logistics
HXB Series	High-Bay	24,000–70,000 lm	-40 °C ~ +65 °C	Ultra high output, suitable for cold storage and high-temp steel/paper plants
VuePoint Series	High/Low Bay	12,000–30,000 lm	-30 °C ~ +45 °C (typical)	Low glare, visual comfort, long-duration work environments
CR / ZR Series	LED Troffers	2,000–5,000 lm	0 °C ~ +40 °C	Office, control rooms, labs, auxiliary indoor spaces
KR Downlight Series	Industrial/Commercial Downlight	850–6,750 lm	0 °C ~ +40 °C	Recessed, for office, corridors, low ceilings
Noctura Series	Outdoor Floodlight	3,000–28,600 lm	-40 °C ~ +40 °C	IP66, outdoor areas, parking lots, building facades
OSQ Series	High Output Floodlight	4,000–85,000 lm	-40 °C ~ +40 °C	High mast, large-area lighting, yards, tunnels
WS Series	Vapor Tight Linear	4,100–6,100 lm	-40 °C ~ +35 °C	IP65/IP66, cold storage, food processing, car wash
CPY Series	Hazardous Location Canopy	7,000–20,000 lm	-40 °C ~ +25 °C (C1D2)	Class I Div 2 certified, fuel stations, petrochemical hazardous zones