



# F-Series

Up to 190lm/w

Light Fixture Easy to Clean

HACCP certified light solution for food industry



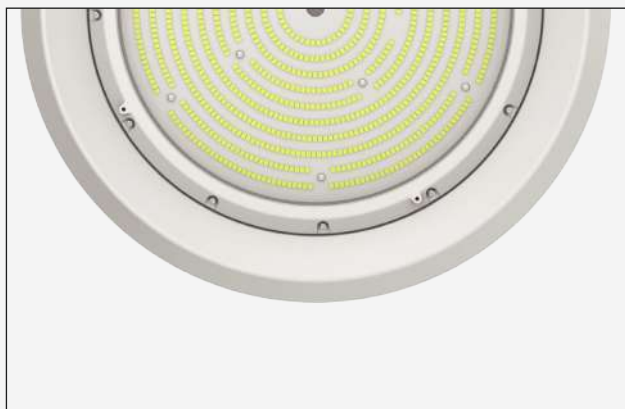
## EXCELLENT WATER & DUST PROOF DESIGN

Smooth surface, waterproof and dust-proof, protect internal components and extend their overall lifespan, easy to clean with water and dust.



## ELEGANT DESIGN PHILOSOPHY

Elegant design for food processing applications is implemented with user experience as the guiding principle, ensuring high levels of visual appeal.



## HIGH RELIABILITY OF IP RATED

With high IP protection against high-pressure water and high-temperature steam, our products can be used in environments where equipment requires meticulous sanitation.

- ✓ **Turntable speed:**  $(5\pm 1)$  r/min
- ✓ **Spray positions:** Spray at  $0^\circ, 30^\circ, 60^\circ, 90^\circ$
- ✓ **Water flow rate:**  $(15\pm 1)$  r/min
- ✓ **Test Time:** 30s per position
- ✓ **Water pressure:** About 8000-10000KPa
- ✓ **Water temperature:**  $(80+5)^\circ \text{C}$  ( $176^\circ\text{F}$ )
- ✓ **Distance:** 100mm~150mm



## APPLICATION





# SPECIFICATIONS TABLE

GENERAL INFORMATION	
Driver included	Yes
CE mark	Yes
RoHS compliant	Yes
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Testing standard	LM-79-19 (all measurements in ISO17025 accredited laboratory)
HOUSING AND FINISH	
Housing	Aluminium
Optic	Polycarbonate
Protector	Polycarbonate (with integrated lenses)
Housing finish	Electrostatic polyester powder coating
Standard colour(s)	RAL 9017 black
OPERATING CONDITIONS	
Operating Temperature Range (Ta)	-30°C to + 40°C
Operating Humidity	10-90%RH
Mounting Option	Loop Hanging /Bracket Mounting
Warranty	5 years
PERFORMANCE	
Power	100W/150W/200W
Efficacy	190lm/W, 170lm/W, 150lm/W/130lm/W
Power Efficiency	≥93%
Start Time	≤0.2S
Warm-up time to 60%	0.5S

ELECTRICAL INFORMATION	
Electrical Class	Class I EU
Nominal Voltage	120-277V   50/60Hz
Power factor (at full load)	0.9
Surge Protection Options (KV)	6KV-Line-Line 6KV-Line-Earth
Electromagnetic Compatibility (EMC)	EN 55015:2019/A11:2020, EN 61000 3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Total Harmonic Distortion(THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
Withstand Voltage	1.5KV 60S 10mA
OPTICAL INFORMATION	
LED Type	SMD2835
Beam Angle	60°/90°/120°
Recommended installation height	4-12m
Color Tolerance	Ra70 ≤7 Ra80 ≤5
LED colour Temperature	3000K / 4000K / 5000K / 5700K / 6500K
Colour Rendering Index (CRI)	CRI>70 standard CRI>80 optional
Upward Light Output Ratio (ULOR)	0%
LIFETIME OF THE LEDS @ TA 25°C	
All configurations	
L70B50	> 100,000h
L80B20	>50,000h
L90B10	>30,000h
Switching Cycles	> 100,000 times

※Lamp switch must control L line or control L and N lines.

※Ra measurement tolerance is ±2.

# PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
100W	L430*W430*H180mm	1PCS/CTN	0.0333m3	5kg	6kg	781pcs	1983pcs
150W	L430*W430*H180mm	1PCS/CTN	0.0333m3	5kg	6kg	781pcs	1983pcs
200W	L430*W430*H180mm	1PCS/CTN	0.0333m3	5kg	6kg	781pcs	1983pcs

# PERFORMANCE

## PREMIUM VERSION

POWER	LUMENS	EFFICACY
100W	19,000LM	190LM/W(Ra70)
	18,000LM	180LM/W(Ra80)
150W	28,500LM	190LM/W(Ra70)
	27,000LM	180LM/W(Ra80)
200W	38,000LM	190LM/W(Ra70)
	36,000LM	180LM/W(Ra80)

## PRO VERSION

POWER	LUMENS	EFFICACY
100W	17,000LM	170LM/W(Ra70)
	16,000LM	160LM/W(Ra80)
150W	25,500LM	170LM/W(Ra70)
	24,000LM	160LM/W(Ra80)
200W	34,000LM	170LM/W(Ra70)
	32,000LM	160LM/W(Ra80)

## STANDARD VERSION

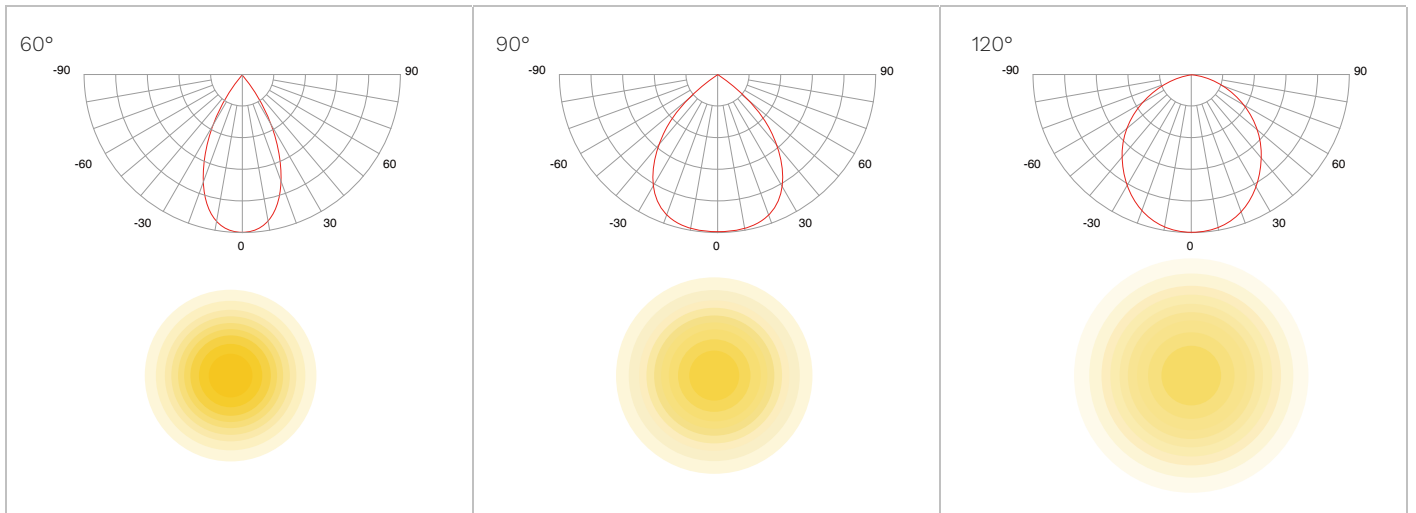
POWER	LUMENS	EFFICACY
100W	15,000LM	150LM/W(Ra70)
	14,000LM	140LM/W(Ra80)
150W	22,500LM	150LM/W(Ra70)
	21,000LM	140LM/W(Ra80)
200W	30,000LM	150LM/W(Ra70)
	28,000LM	140LM/W(Ra80)

## ECO VERSION

POWER	LUMENS	EFFICACY
100W	13,000LM	130LM/W(Ra70)
	12,000LM	120LM/W(Ra80)
150W	19,500LM	130LM/W(Ra70)
	18,000LM	120LM/W(Ra80)
200W	26,000LM	130LM/W(Ra70)
	22,000LM	120LM/W(Ra80)

※The Performance Data is tested base on 230VAC, 90° and 4000K for all versions  
 ※Power Consumption Tolerance ±5% (Apply to all versions)  
 ※Lumen Efficiency Tolerance ±5% (Apply to all versions)

# LIGHT DISTRIBUTIONS



# PENDANT MOUNTING

Power	Size
100W/150W/200W	D387*H194.7mm

