

Product	
Catalog No.	
Fixture Type	Notes



CR601 LED CLEAN ROOM LIGHT

The CR601 LED Clean Room Light is engineered for high-performance illumination in controlled environments, suitable for ISO Class 3-9 and FED 209E Class 1-100,000 clean spaces. Its one-piece, hole-free housing is robotically seam-welded with flattened knockouts to ensure a superior airtight seal. The door frame, also a one-piece construction with welded corners, overlaps the fixture and is sealed with an NSF-approved microcellular gasket for a secure fit to the mounting surface. Hinged with durable aircraft cables and secured with captive stainless-steel flush head screws, the door frame is designed for easy cleaning and maintenance, making the CR601 an ideal solution for demanding clean room applications.

APPLICATIONS

- Cleanrooms
- Laboratories
- Research and Development

FEATURES

- Suitable for ISO Class 3-9 clean spaces
- Suitable for FED 209E Class 1-100,000 clean spaces
- One piece overlapping doorframe
- Robotically seam welded housing
- 0-10V dimming standard
- Emergency backup battery module compatible

SPECIFICATION SUMMARY

Category	Specification	Data
Category Performance	Wattage	43/86W
	Delivered Lumens	5,200/12,300lm
	Lumen Efficacy	~143lm/W
	Color Temperature	3000/5700K (Optional)
	CRI (Ra)	80+
Electrical	Input Voltage	AC120-277V
	Dimming	0-10V
	Power Factor	>0.9
Physical	Housing	Aluminum+ Polycarbonate
	Beam Angle	110°
	Operation Temperature	-4°F to 122°F
	IP Rating	IP 20
	Mounting Options	Recessed
	Dimensions	22.4" (46.6")x46.06" (46.06")x3.6"

LIFESPAN AND WARRANTY

Rated Life	50,000 Hrs
Warranty	5Years
Certification	UL, cUL, DLC Premium, FCC

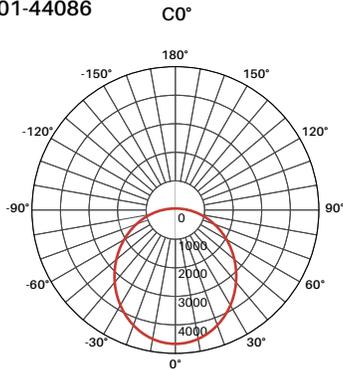
CERTIFICATION



CR601 LED CLEAN ROOM LIGHT

PHOTOMETRY

CR601-44086

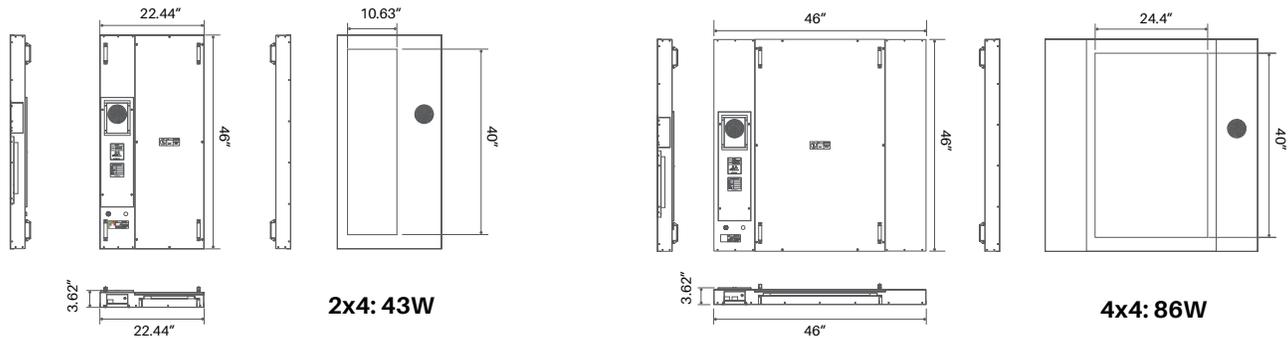


Distribution Curve

C-plane — C0/180 — C90/270

Category	Details (C0°)
Luminous Flux	12,300 lumens
Luminous Efficacy	143 lm/W
Power Consumption	86W
Peak Intensity	1,081.4 cd
Light Distribution	Symmetric, wide downward
Beam Spread Pattern	Wide beam
CCT (Color Temp.)	5,700K
Recommended Height	8.2 ft - 13.1 ft

DIMENSION



2x4: 43W

4x4: 86W

PERFORMANCE DATA

2x4 PRODUCT CODE	WATTS	lm/W	DELIVERED LUMENS	INPUT VOLTAGE	CRI (Ra)	CCT
CR601	43	120	5,200	AC120-277V	80	3,000/5,700K (Optional)

4x4 PRODUCT CODE	WATTS	lm/W	DELIVERED LUMENS	INPUT VOLTAGE	CRI (Ra)	CCT
CR601	86	143	12,300	AC120-277V	80	3,000/5,700K (Optional)

CR601 LED CLEAN ROOM LIGHT

ORDERING INFORMATION

Series SKU	Size	Wattage	Input Voltage	CCT	Option (Optional)
CR601	22: 2X4 44: 4X4	043: 43W 086: 86W	U: 120-277V	30: 3,000K 50: 5,000K 57: 5,700K	EM: Emergency Battery SP: Speaker

Example: CR601-44086U57EM
 Lead times will vary depending on options selected.
 Consult with your sales representative.

MISCELLANEOUS

CONSTRUCTION:
 INSTALLATION:
 OPTICS:
 LISTINGS:
 ELECTRICAL:
 GOVERNMENT PROCUREMENT:

NOTE