

Hazardous area LED lighting
Pauluhn™ Summit linear LED luminaires

CROUSE-HINDS
SERIES

Pauluhn Summit

Linear, high bay LED luminaires
designed for hazardous areas



EATON

Powering Business Worldwide



Pauluhn Summit LED

Safe. Reliable. Efficient.

Featuring the industry's broadest range of LED luminaires for harsh, hazardous and industrial environments, Eaton's Crouse-Hinds can deliver a lighting solution that performs reliably in even the worst operating conditions. All the while reducing your energy, maintenance and manpower costs.

Why LED?

Useful life

Rated life is up to 60,000 hours of maintenance-free and safe operation

Energy efficiency

LED average energy consumption is significantly less than traditional fluorescent and HID fixtures

Start/restart time

Instant illumination versus 10 minute restrike time for HID

Light quality

Higher color rendering compared to fluorescent and HID

Environmental benefits

Mercury-free LED eliminates disposal costs and lower energy consumption for a smaller carbon footprint

Why Crouse-Hinds?

Rugged design

Built to withstand extreme temperatures, vibration, water and dust

High efficacy

Up to 118 lumens per watt (model dependent)

Thermal management

Effective heat sinking ensures longer life

Quality of light

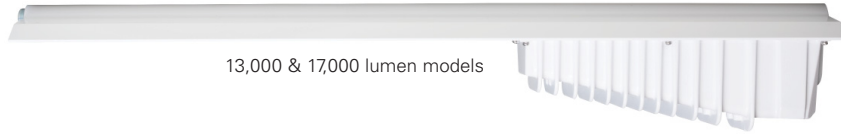
Custom optics designed to maximize light distribution and intensity

Versatile mounting

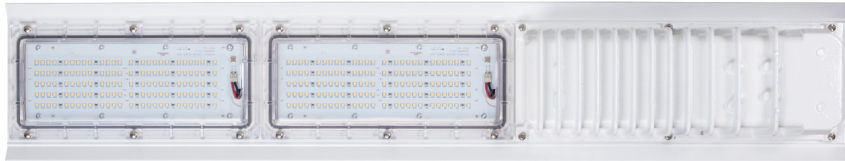
LED fixtures are compatible with Crouse-Hinds' HID installed base

Why Pauluhn Summit LED?

Rugged high bay solutions. Pauluhn Summit LED luminaires are engineered to provide maintenance-free performance, while delivering long life and high lumen output for applications in hazardous rated areas.



13,000 & 17,000 lumen models



Innovative design for demanding applications:

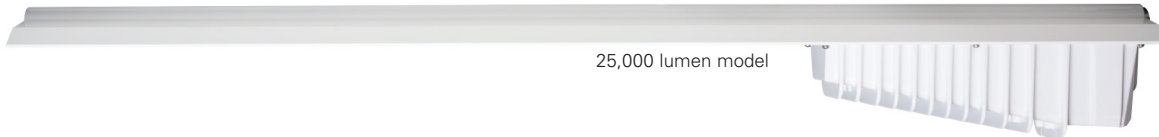
- Angled light fixture mitigates debris build-up
- Robust design withstands high pressure wash down, and food rated paint maintains safety

Improved performance and reduced costs:

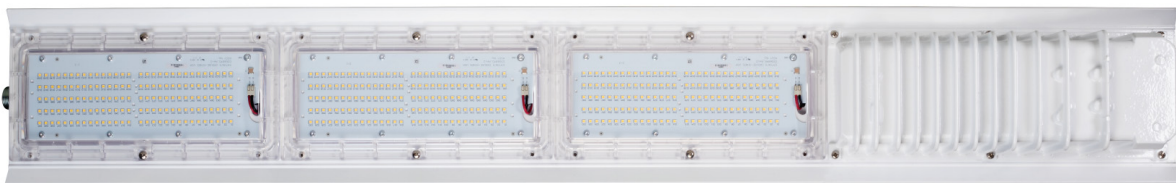
- 100+ lumens per watt provides highly efficient lighting
- Rated life is up to 60,000 hours of maintenance-free and safe operation

Easily customized for application-specific performance:

- Versatile mounting options with a through feed design for simplified multiple fixture wiring
- Dimmable and occupancy sensor configurations available to reduce energy consumption



25,000 lumen model

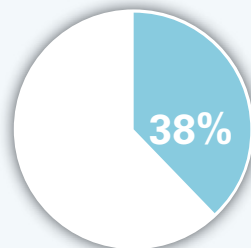


LED vs. fluorescent savings at a glance

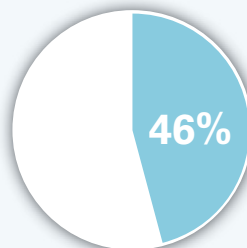
Why are so many facilities making the switch from fluorescent to LED?

The numbers say it all.

SUM25L vs. 6 lamp 54 watt T5HO fluorescent



38% REDUCTION IN ENERGY COSTS



46% LOWER TOTAL COST OF OWNERSHIP



100% MAINTENANCE REDUCTION

Assumptions: Calculations based on overall life of the LED system. Energy cost of \$.09 per kilowatt; 24 hour per day operation; labor rate of \$35 each for 2 workers; average time for fixture maintenance of 2 hours.

Pauluhn Summit LED luminaires

Pauluhn Summit linear LED luminaires are designed to replace fluorescent T12, T8 and T5HO luminaires in hazardous rated hose-down, food processing and corrosive environments. Three models of the Summit are available from 13,000 to 25,000 lumens.

Model	Typical lumens (Type V)*	Wattage	Lumens per watt	Equivalent fluorescent luminaire*
SUM13L	13,000	122	106	3-lamp T5HO
SUM17L	17,000	144	118	4-lamp T5HO
SUM25L	25,000	217	115	6-lamp T5HO

* All T5HO lamps used in comparison are 4 foot length.

Applications:

- Harsh and hazardous areas
- Food and beverage processing facilities
- Pharmaceutical processing facilities
- High pressure wash down and corrosive environments
- Agriculture storage and processing
- Power generation

Key features & benefits:

- High efficacy – 100+ LPW
- Angled light fixture for debris shedding
- Surface mount, cable mount and threaded rod mount
- Replaces up to 4 foot 6-lamp T5HO
- Operating temperature: -40°C to +55°C*
- 1,500 PSI hose down tested
- Minimum 60,000 hour LED and driver life at 40°C ambient
- Through feed design for multiple fixture wiring
- 5000K, 80 CRI
- 5 year fixture warranty†

† Refer to page 2 of the D-0716 authorized distributor price book for Crouse-Hinds standard Terms and Conditions.

* SUM25L model is 50°C maximum ambient operating temperature.

Certifications:

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups F, G
- CSA 22.2 No. 137
- Type 4X; IP66
- UL Standards: UL1598, UL8750; UL 844
- NSF Splash Zone

Materials:

Housing:

- Type 6061 aluminum

Lens:

- Polycarbonate
- Diffused polycarbonate (optional)

Paint:

- Epoxy powder coat

Mounting options:

- Surface/swivel mount
- Cable/chain mount



13 & 17L



25L

Electrical ratings:

	SUM13L	SUM17L	SUM25L
Voltage range, VAC	120-277 VAC/347-480 VAC		
Frequency	50/60 Hz		
Input power (watts)	122	144	217
Input amps at 120-277 VAC	0.26-1.03	0.31-1.20	0.46-1.78
Voltage range, VDC	127-250 VDC (UNV1 model only)		
Power factor	>0.90		
Total harmonic distortion (THD)	<20%		
Nominal lumens	13,790	16,680	24,679

Temperature ratings:

Model	40°C	55°C
Class I, Division 2	T4A	T4A
Class II, Division 1	T6	T6

Weights:

Model	lbs.	kg.
SUM13L	23.41	10.61
SUM17L	23.41	10.61
SUM25L	31.28	14.19

Drivers:

Option	SUM13L-SUM25L
/UNV1	120-277 VAC, 50/60 Hz; 127-250 VDC, 50/60 Hz
/UNV34	347-480 VAC, 50/60 Hz



Engineered to withstand hose downs and high vibration in demanding applications

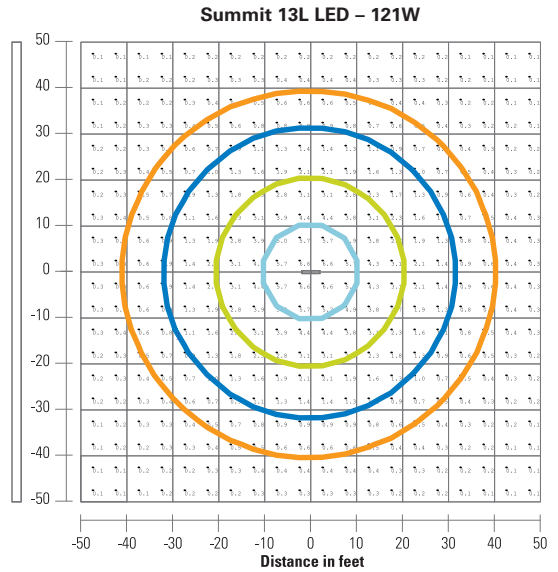
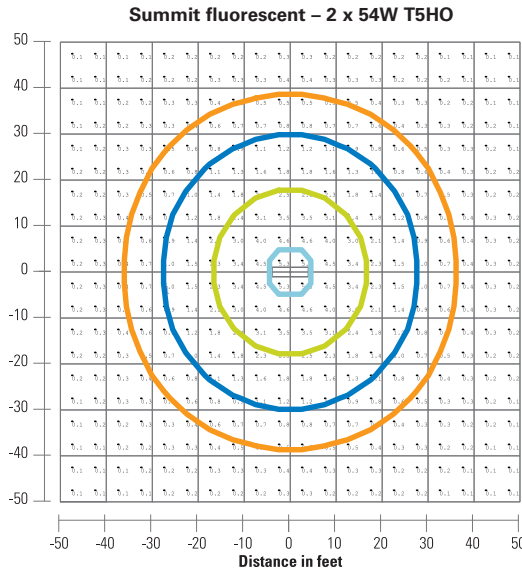
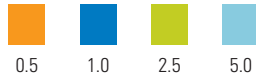
Photometric comparisons

25 ft. mounting height

Model	Watts	Lumens
Summit fluorescent	173	12,249
Summit LED	121	13,790

Illuminance (in footcandles)			
Model	Avg.	Max.	Min.
Summit fluorescent	0.88	5.30	0.10
Summit LED	1.10	6.60	0.10

Illuminance levels (in footcandles)

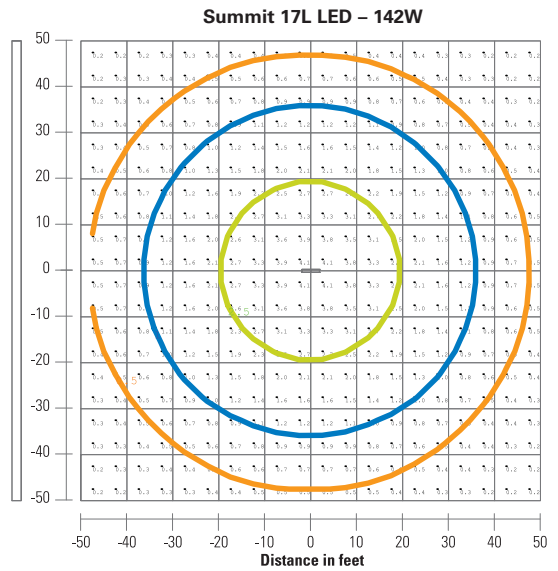
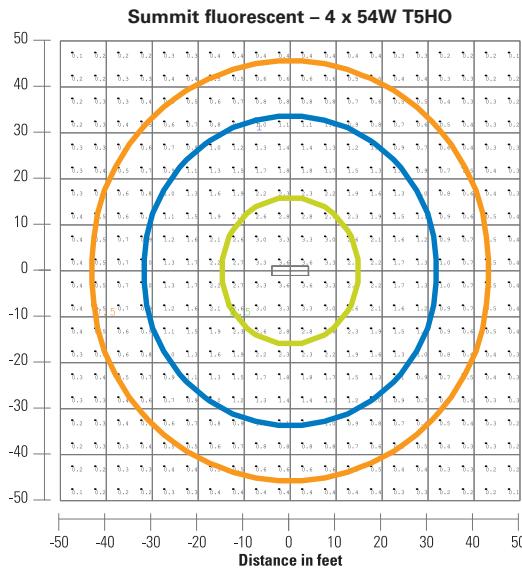


35 ft. mounting height

Model	Watts	Lumens
Summit fluorescent	222	15,499
Summit LED	142	16,680

Illuminance (in footcandles)			
Model	Avg.	Max.	Min.
Summit fluorescent	0.98	3.60	0.10
Summit LED	1.16	4.10	0.20

Illuminance levels (in footcandles)

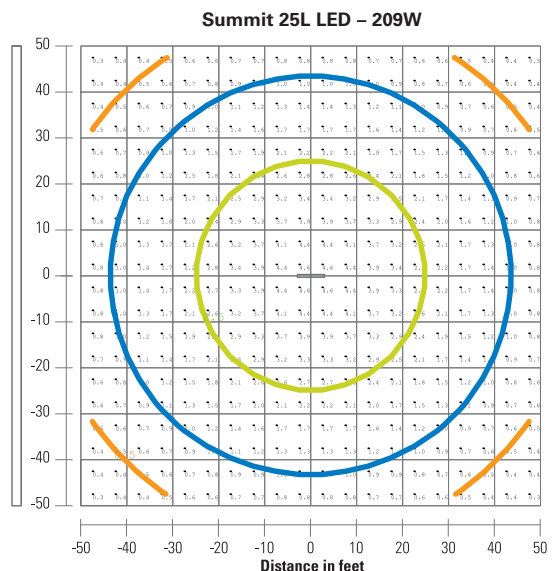
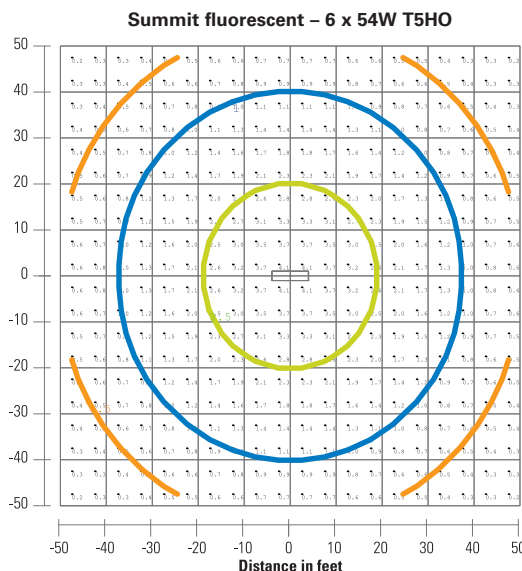


40 ft. mounting height

Model	Watts	Lumens
Summit fluorescent	302	21,649
Summit LED	209	24,679

Illuminance (in footcandles)			
Model	Avg.	Max.	Min.
Summit fluorescent	1.27	4.10	0.20
Summit LED	1.58	4.60	0.30

Illuminance levels (in footcandles)



Ordering information

Part number example

SUM13L /UNV1 S903

Pauluhn Summit, 13,000 lumens, cool white, 100-277VAC; 127-250 VDC, polycarbonate lens

SUM

13L

/UNV1

S903

Series

SUM	Pauluhn Summit for hazardous rated food processing locations
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Lumens/watts*

13L	13,000 lumens
17L	17,000 lumens
25L	25,000 lumens

Voltage @ 50/60 Hz

/UNV1	100-277 VAC; 127-250 VDC
/UNV34	347-480 VAC

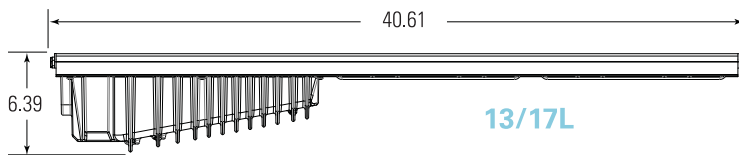
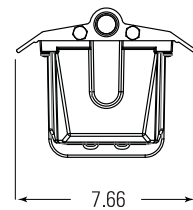
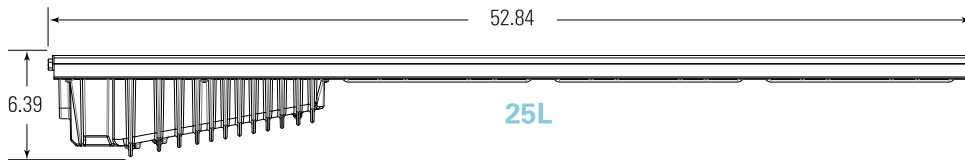
Options

S903	Polycarbonate lens
S903D	Diffused polycarbonate lens

Accessories (ordered separately)

APX1093MTK	Jack chain/aircraft cable bracket
APX1097MTK	Adjustable ceiling mount bracket

Dimensions



All dimensions in inches

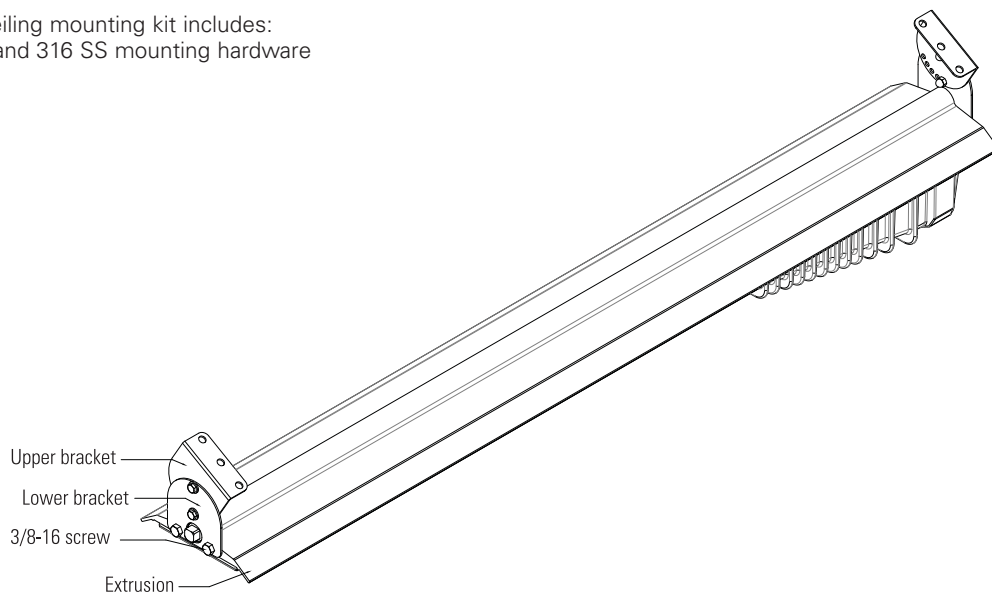
Mounting

Adjustable ceiling mount

APX1097MTK

Standard adjustable ceiling mounting kit includes:

- (2) 304 SS brackets and 316 SS mounting hardware

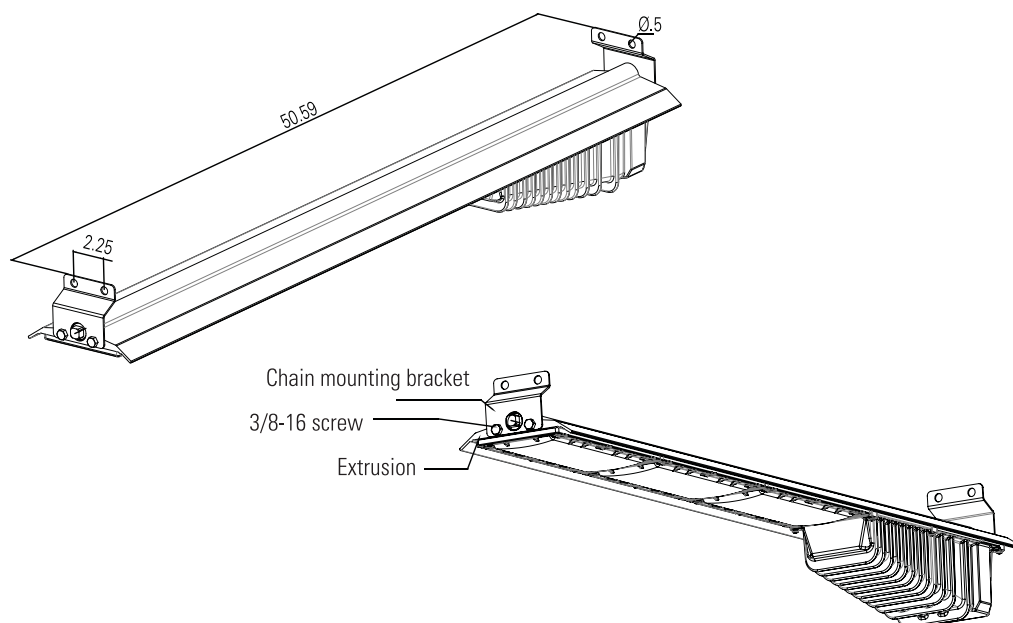


Chain mount

APX1093MTK

Standard jack chain/aircraft cable mounting kit includes:

- (2) 304 SS brackets and 316 SS mounting hardware



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