LED-8087E-A 30W LED for HID Retrofit for Shoebox/Wallpack

Models

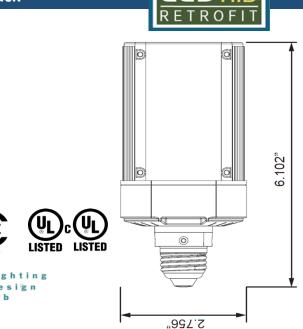
LED-8087EXX-A, 120-277VAC, cULus, 3000K, 4000K or 5700K CCT, E26 LED-8087EXXC-A, 347VAC, cUL, 4000K or 5700K CCT, E26

Features

- > 30W LED Replaces 100W MH or HPS HID Lamps
- > Rotatable base enables user to accurately direct output to target
- > Designed for Horizontal installations
- > UL approved for damp environments and enclosed fixtures
- > Advanced active cooling: Active cooling and dynamic temperature control
- > 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website)
- > 5 Year Limited Warranty see website for details
- > Rated for enclosed fixture

Technical SpecificationsModels US/CAN						
CCT 3000K 4000K 5700K 4000K 5700K Power Consumption $3000K$ 4000K 5700K 4000K 5700K Replaces $120 - 277VAC$ USA) 347VAC (CANADA) Mounting $120 - 277VAC$ (USA) 347VAC (CANADA) LED Type 2835 2835 $347VAC$ (CANADA) LED Type 2835 $8eam$ Angle $VOItage$ $VOItage$ $VOItage$ Operating Temp $-40^\circ F - +122^\circ F$ $VOItage$ $VOItage$ $VOItage$ Marranty $Vers$ $Vers$ $Vers$ $Vers$ Warranty $Vers$ $Yers$ $Yers$ $Yers$ LM79 Specifications Yers Yers $Yers$ $Yers$ $Yers$ Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992	Techni	ical Spe	ecificat	tions		
Power Consumption 30 watts Replaces 30 watts Replaces 100 MH/HPS Mounting E26 Voltage 120-277VAC (USA) 347VAC (CANADA) LED Type 2835 Beam Angle Type V Dimmable No Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty Stear Limited* Mathematical R70 Specifications Yes Yes Yes LM79 Specifications Yes Yes Yes Yes Yes Power (W) 3248 32.79 31.23 31.26 CCT 2912 4041 5636 Light Output 3420% Efficacy 107.23 126.97 128.85 127 THD @ 277V 0.92 0.96 0.97	Models US/CAN	LED-8087E30-A	LED-8087E40-A	LED-8087E57-A	LED-8087E40C- A	LED-8087E57C- A
Replaces 100 MH/HPS Mounting E26 Woltage 120-277VAC (USA) 347VAC (CANADA) LED Type 2835 Beam Angle Type V Dimmable No Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty S Yes Yes LM79 Specifications Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 0.9322 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv	ССТ	3000K	4000K	5700K	4000K	5700K
Mounting E26 Voltage 120-277VAC (USA) 347VAC (CANADA) LED Type 2835 Beam Angle Type V Dimmable No Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty Seem (W) Specifications Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 0.9322 0.92 0.92 0.92 20% PF @ 277V 0.9322 0.92 0.92 0.92 0.92 0.92 0.92 0.93 Duv -0.0006 0.0005 0.0034 0.004 0.0018 PF @ 277V 0.0006 0.0005 0.0034 0.0018 Packagin	Power Consumption	30 watts				
Voltage 120-277VAC (USA) 347VAC (CANADA) LED Type 2835 Beam Angle Type V Dimmable No Operating Temp $-40^{\circ}F - 1122^{\circ}F$ Rated R70 Life Up to 50,000 Hrs. Warranty Yes Yes Yes Yes LM79 Specifications Yes Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 12.6.97 12.8.55 12.7 1299 THD @ 277V 0.9322 0.92 0.92 0.92 20% PF @ 277V 0.9322 0.92 0.92 0.92 212% Duv -0.0006 0.0005 0.0034 0.0018 Packaging 9 12 12 12 12 Duv -0.0006 0.0005 0.0034 0.0018 0.0018 <	Replaces		10	00 МН/Н	PS	
Voltage 347VAC (CANADA) LED Type 2835 Beam Angle Type V Dimmable No Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty Segment Limited* Warranty Yes Yes Yes Yes Yes LM79 Specifications Yes Yes Yes Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 12.6.97 12.8.85 12.7 129 THD @ 277V 0.9322 0.92 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.004	Mounting			E26		
Beam Angle Type V Dimmable No Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty Secience Warranty Secience Marranty Secience Yes Power (W) 3248 32.79 31.23 31.26 CCT 2912 4041 5636 4058 127 129 THD @ 277V 0.9322 <	Voltage					
Dimmable No Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty 5 Year Limited* Marranty 5 Yes Yes LM79 Specifications Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20%	LED Type	2835				
Operating Temp -40°F - +122°F Rated R70 Life Up to 50,000 Hrs. Warranty 5 Year Limited* Warranty 5 Yes Yes Yes Yes LM79 Specifications Yes Yes Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 12.855 12.7 129 THD @ 277V 0.9322 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0055 0.0034 0.0014 0.0018 Packaging 9 2 9 2 12 Dut Image: 1 Image: 1 Image: 1	Beam Angle	Туре V				
Rated R70 Life Up to 50,000 Hrs. Warranty 5 Year Limited* Marranty Yes Yes Yes Yes LM79 Specifications Yes Yes Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 0.9322 0.92 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.0014 0.0018 Packaging 9 12 12 12 Unit 4.3"x X.1"x 7.6" X.X lbs. Y.X lbs.	Dimmable	No				
Warranty S yes Limitettettettettettettettettettettettettet	Operating Temp	-40°F - +122°F				
LM79 Specifications Yes Yes Yes Yes Yes Yes Yes Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20%	Rated R70 Life	Up to 50,000 Hrs.				
Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20%	Warranty	5 Year Limited*				
Power (W) 3248 32.85 32.79 31.23 31.26 CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20% <20% PF @ 277V 0.9322 0.92 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.0004 0.0018 Packaging 9 / Master Carton 9 4.3"x 4.1"x 7.6" X.X lbs. V						
CCT 2912 4041 5636 4046 5636 Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20%	LM79 Specifications	Yes	Yes	Yes	Yes	Yes
Light Output 3482.8 4171 4225 3992 4058 Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20%	Power (W)	3248	32.85	32.79	31.23	31.26
Efficacy 107.23 126.97 128.85 127 129 THD @ 277V 12.95% 11.65% 11.76% <20%	ССТ	2912	4041	5636	4046	5636
THD @ 277V 12.95% 11.65% 11.76% <20% PF @ 277V 0.9322 0.92 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.0004 0.0018 Packaging 9 / Master Carton Unit 4.3"x 4.1"x 7.6" X.X lbs. Value	Light Output	3482.8	4171	4225	3992	4058
PF @ 277V 0.9322 0.92 0.92 0.96 0.97 CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.0004 0.0018 Packaging 9 / Master Carton 9 / Master Carton 9 / Master Carton Unit 4.3"x 4.1"x 7.6" X.X lbs. 9 / X.S lbs.	Efficacy	107.23	126.97	128.85	127	129
CRI: 81.4 83.5 84.4 83.8 84.6 R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.0004 0.0018 Packaging 9 / Master Carton 9 / Master Carton Unit 4.3"x 4.1"x 7.6" X.X lbs.	THD @ 277V	12.95%	11.65%	11.76%	<20%	<20%
R9 4 11 9 12 12 Duv -0.0006 0.0005 0.0034 0.0004 0.0018 Packaging 9 / Master Carton 4.3"x 4.1"x 7.6" X.X lbs. 5.3 km state 5.4 km state	PF @ 277V	0.9322	0.92	0.92	0.96	0.97
Duv -0.0006 0.0005 0.0034 0.0004 0.0018 Packaging 9 / Master Carton Unit 4.3"x 4.1"x 7.6" X.X lbs.	CRI:	81.4	83.5	84.4	83.8	84.6
Packaging9 / Master CartonUnit4.3"x 4.1"x 7.6" X.X lbs.	R9	4	11	9	12	12
Unit 4.3"x 4.1"x 7.6" X.X lbs.	Duv	-0.0006	0.0005	0.0034	0.0004	0.0018
Unit 4.3"x 4.1"x 7.6" X.X lbs.						
	Packaging					
Master 13.8"x 13.1" x 8.3" XX.X lbs.	Unit					
	Master		13.8"x 13	3.1" x 8.3"	XX.X lbs.	

Light Efficient Design



Illuminance Plots

	Illuminance at a Center Beam fc	a Distance Beam Width			
17.08	5.09 fc	51.3 ft	45.5 ft		
34.0R	1.27 fc	102.6 ft	91.1 ft		
51.0R	0.57 fc	153.9 ft	136.6 ft		
68.0R	0.32 fc	205.2 ft	182.1 ft		
85.0ft	0.20 fc	256.5 ft	227.6 ft		
102.0ft	0.14 fc	307.8 ft	273.2 ft		
	Vert. Spread: 112.9° Horiz. Spread: 106.5°				

Installation Notes:

- Ballast must be bypassed
- Installing surge/lightning protectors is highly recommended

LED Power Consumption (Watts)	HID Power Consumption (Watts)	HID Ballast Power Consumption (Watts)	Total Savings (Watts)	Annual Energy Savings (14 hrs/day)	Lifetime Energy Savings (over 50,000 hrs)
30	100	20	90	\$51	\$495.00

Mounting Orientation			Minimum Fixture Size	
Base Up	Base Down	Horiz	Requirements (inches	
			Length	8.1
<u></u>			Width	4.7
	<u>11</u> NA 7.2		Height	4.7
			Cu. Inches	178.9
Approved	Approved	Approved	cu. menes	170.9

188 S. Northwest Highway • Cary, IL 60013 (847) 380-3540 • FAX: (847) 380-3542 www.led-llc.com