

A Leader in LED Retrofit Kits!

Retrofit Kits

New 4th Generation DLC Premium LED Retrofit Kits featuring:

High efficiency: up to 135 LM/W • Brand New Heatsink design • Better Cooling Ability
Lighter Weight Overall • A 5/10 Year Warranty



30W · 45W · 60W



75W · 105W · 120W



150W · 200W



280W · 320W · 350W

LED Retrofit Kits

Encore LED Lighting VS the Competition

	Other Retrofits (Typical)	Encore LED's Retrofits (NEW)
Moulding	Die casting	Cold-forging technology (PIN HEAT SINK)
Material of heatsink	Aluminum Alloy	Pure Aluminum
Cost of heatsink	Cheap (low end quality)	Cost affordable (top end quality)
Heat conductivity	96 W/m.K	237 W/m.K (2.4 times higher than others)
Heat radiating area	Less	Typically 20% larger than others (but with smaller size)
Structure intensity	Lower density	High intensity
Weight	Heavier, more burden to E40 socket	30% lighter, more durable for mounting
LEDs	XBD, or XTE	Latest Nichia 140lm/w
Light efficiency	85 ~ 110 LM/W (System)	133-147LM/W (System), significantly improved
PCB	Most PCB not UL rated (contact us on how to verify)	UL PCB boards only
Protection Circuit	Use only simple thermal IC	Advanced circuit design: short circuit/ over current /over voltage/ over temperature protection with auto recovery
Warranty Term	Request information & return of bad units/parts	Send out replacement units/parts the 2nd day
Service center	China	US service center
Lead time	2 - 4 weeks (plus shipping from China)	1 - 3 days directly shipped from USA
ISO Certificate	Maybe	Yes

Additional Notes

1. With improved material, higher heat conductivity, and more radiating area, Encore LED's new heat sinks contribute to a new level of cooling.
2. Fixtures on poles could shake with high winds. Retrofits should be as light as possible. Our new kits are light weight and more durable.
3. Encore LED Lighting believes in honesty and reliability in business. We don't overstate the specs, and we are open to tests for verification purposes.

LED Retrofit Kits

The Perfect Solution for Traditional Fixtures



Retrofit Kits for Cobrahead housing



Retrofit Kits for parking lot housing



Retrofit Kits for floodlights housing



Retrofit Kits for wall pack housing



Retrofit Kits for highbay housing



Retrofit Kits for low bay housing



Retrofit Kits for canopy housing



Retrofit Kits for canopy housing



Cold-forging PIN heatsink

Top quality pure aluminum

Heat radiating area: 20% larger

Heat conductivity is 2.4x higher than die casting

Weight is 30% less, more durable for mounting

Intelligent thermal control

Only top quality UL PCB

Latest Nichia 140LM/W chip

LED protection; Easy to remove PC cover

Advanced circuit design, secondary protection



LED Retrofit Kits

Specifications Sheet

30W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-30

Input Power:	30W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	3770lm	3770lm	3830 lm
Efficiency:	123.9 lm/w	123.9 lm/w	126.91lm
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	4.6" L x 4.6" W x 1.9" H, 0.35 kg		

10 YEAR
WARRANTY

MW
MEAN WELL

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits

Specifications Sheet

45W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-45

Input Power:	45W
Input Voltage:	AC100-277V
LED Source:	Nichia Corporation
Color Temp.:	4000K 4500K 5000K
Luminous Flux:	5770.4lm 5770.4lm 5897 lm
Efficiency:	125.43 lm/w 125.43 lm/w 127.53lm/w
Beam Angle:	110
IP Rating:	IP65
Lifespan (hours):	50,000
Warranty:	5-year on driver, 10-year on LED head
Driver	Mean Well
Certifications:	ETL/CE/ROHS
Fixture info:	4.6" L x 4.6" W x 1.9" H, 0.35 kg

10 YEAR
WARRANTY

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits**Specifications Sheet****60W**

Lighter Weight
More Durable
Better Cooling

**Model No.****ENC-4RFK-60**

Input Power:	60W		
Input Voltage:	100~ 277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	8052.8lm	8052.8lm	8238 lm
Efficiency:	129.62 lm/w	129.62 lm/w	132.34lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	4.6" L x 4.6" W x 1.9" H, 0.35 kg		

**10 YEAR
WARRANTY****MW
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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits

Specifications Sheet

75W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-75

Input Power:	75W		
Input Voltage:	100~ 277V,		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	9262.9lm	9236.7lm	9421 lm
Efficiency:	125.65lm/w	125.65 lm/w	127.74lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	6.8" L x 4.9" W x 1.5" H, 0.48 kg		

10 YEAR
WARRANTY

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Retrofit Kits for Outdoor Wall-Mounted Area Luminaires

LED Retrofit Kits

Specifications Sheet

75W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-75

Input Power:	75W		
Input Voltage:	100~ 277V,		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	9633.5lm	9633.5lm	9793 lm
Efficiency:	133.45lm/w	133.45 lm/w	136.15lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	6.8" L x 4.9" W x 1.5" H, 0.48 kg		

10 YEAR
WARRANTY

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits

Specifications Sheet

105W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-105

Input Power:	105W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	14154lm	14154lm	14528lm
Efficiency:	134.8 lm/w	134.8 lm/w	136.93lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	6.8" L x 4.9" W x 1.5" H, 0.48 kg		

10 YEAR
WARRANTY

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits

Specifications Sheet

120W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-120

Input Power:	120W
Input Voltage:	AC100-277V
LED Source:	Nichia Corporation
Color Temp.:	4000K 4500K 5000K
Luminous Flux:	16648lm 16648lm 16993 lm
Efficiency:	143.59 lm/w 143.59 lm/w 145.86 lm
Beam Angle:	120
IP Rating:	IP65
Lifespan (hours):	50,000
Warranty:	5-year on driver, 10-year on LED head
Driver	Mean Well
Certifications:	ETL/CE/ROHS
Fixture info:	6.8" L x 4.9" W x 1.5" H, 0.48 kg

10 YEAR
WARRANTY

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Retrofit Kits for High-Bay Luminaires for Commercial and Industrial Buildings

LED Retrofit Kits

Specifications Sheet

120W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-120

Input Power:	120W
Input Voltage:	AC100-277V
LED Source:	Nichia Corporation
Color Temp.:	4000K 4500K 5000K
Luminous Flux:	16212lm 16212lm 15883 lm
Efficiency:	138.33 lm/w 138.33 lm/w 113.81 lm
Beam Angle:	120
IP Rating:	IP65
Lifespan (hours):	50,000
Warranty:	5-year on driver, 10-year on LED head
Driver	Mean Well
Certifications:	ETL/CE/ROHS
Fixture info:	6.8" L x 4.9" W x 1.5" H, 0.48 kg

10 YEAR
WARRANTY

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits**Specifications Sheet****150W**

Lighter Weight
More Durable
Better Cooling

**Model No.****ENC-4RFK-150**

Input Power:	150W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	20252lm	20252lm	20659 lm
Efficiency:	128.37 lm/w	128.37 lm/w	132.09 lm
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	8.6" L x 5.7" W x 1.4" H, 0.77 kg		

**10 YEAR
WARRANTY****MW
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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits**Specifications Sheet****200W**

Lighter Weight
More Durable
Better Cooling

**Model No.****ENC-4RFK-200**

Input Power:	200W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	26376lm	26376lm	26376lm
Efficiency:	129.17 lm/w	129.17 lm/w	132.27lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	8.6" L x 5.7" W x 1.4" H, 0.77 kg		

**10 YEAR
WARRANTY****MW
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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits**Specifications Sheet****280W**

Lighter Weight
More Durable
Better Cooling

**Model No.****ENC-4RFK-280**

Input Power:	280W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	34857lm	34857lm	35338lm
Efficiency:	122.24 lm/w	122.24 lm/w	124.78lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	11.6" L x 9.0" W x 2.3" H, 1.9 kg		

**10 YEAR
WARRANTY****MW
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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits

Specifications Sheet

320W

Lighter Weight
More Durable
Better Cooling

**Model No.****ENC-4RFK-320**

Input Power:	320W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	44780lm	44780lm	45529 lm
Efficiency:	141 lm/w	141 lm/w	144 lm
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	11.6" L x 9.0" W x 2.3" H, 1.9 kg		

**10 YEAR
WARRANTY****MW
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Retrofit Kits for High-Bay Luminaires for Commercial and Industrial Buildings

LED Retrofit Kits

Specifications Sheet

320W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-320

Input Power:	320W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	40053lm	40053lm	40565 lm
Efficiency:	113.31 lm/w	113.31 lm/w	127.88 lm
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	11.6" L x 9.0" W x 2.3" H, 1.9 kg		

**10 YEAR
WARRANTY**

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

LED Retrofit Kits

Specifications Sheet

350W

Lighter Weight
More Durable
Better Cooling



Model No.

ENC-4RFK-350

Input Power:	350W		
Input Voltage:	AC100-277V		
LED Source:	Nichia Corporation		
Color Temp.:	4000K	4500K	5000K
Luminous Flux:	41649lm	41649lm	42215lm
Efficiency:	116.15 lm/w	116.15 lm/w	119.05lm/w
Beam Angle:	110		
IP Rating:	IP65		
Lifespan (hours):	50,000		
Warranty:	5-year on driver, 10-year on LED head		
Driver	Mean Well		
Certifications:	ETL/CE/ROHS		
Fixture info:	11.6" L x 9.0" W x 2.3" H, 1.9 kg		

10 YEAR
WARRANTY

MW
MEAN WELL

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Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires