Light Efficient Design

Product Specifications Sheet

LED-8089M 80W Shoebox / Wallpack Retrofit

Models

LED-8089MXX, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

LED-8089MXXC, 347VAC, cUL, 4000K & 5700K CCT

Description

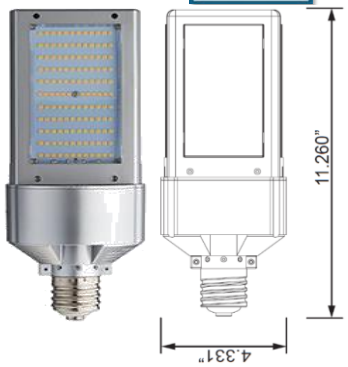
Light Efficient Design's Shoebox/ Wallpack retrofits replace HID lamps up to 250W HID. Advanced Active Cooling technology improves thermal performance and delivers the highest light output along with longer LED and driver life versus lamps limited to passive cooling. All models are tested by UL under 1598C that insures that retrofitted fixture retains safety cerfication as well as approved by UL for encosed fixtures.

Features

> 80W LED Replaces 250W 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)

Type V

Mogul Base Models Only
(See details below)



TECHNICAL SPECIFICATIONS - USA 120-277V - ALL MODELS cUlus

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8089M30	120-277V	80W	7137	88	250W HID	E39 Mogul	3000K	82.9	13.0%	0.98	15	-0.0014	Directional / TYPE V	No
LED-8089M40			8959	109			4000K	83.7	17.3%	0.913	14	0.0022		
LED-8089M50			9104	110			5000K	83.9	16.4%	0.91	15	0.0025		

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS Cul

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8089M40C	120-277V	80W	8959	109	250W HID	E39 Mogul	4000K	83.7	17.3%	0.913	14	0.0022	Directional / TYPE V	No
LED-8089M50C			9104	110			5000K	83.9	16.4%	0.91	15	0.0025		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8089M	11.4 X 4.3 in.	2.35 Lbs	5.9 X 5.9 X 13.2 in.	2.83 lbs.	18.5 X 18.5 X 13.8 in.	25.52 Lbs	9

UPC / UCC

MODEL	PRODUCT UPC	CARTON UCC
LED-8089M30	8440060 8285 7	10 8440060 8285 4
LED-8089M40	8440060 8139 3	10 8440060 8139 0
LED-8089M50	8440060 8140 9	10 8440060 8140 6
LED-8089M40C	8440060 8161 4	10 8440060 8161 1
LED-8089M50C	8440060 8160 7	10 8440060 8160 8

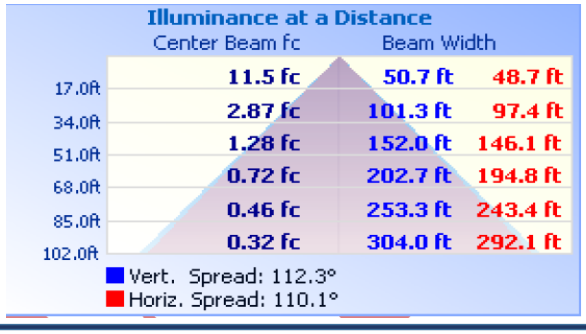
DESIGN LIGHTS CONSORTIUM QPL CERTIFICATION SUMMARY (E39 MODELS ONLY)

MODEL	QPL CATEGORY 1	PRODUCT CODE	FAMILY CODE	QPL CATEGORY 2	PRODUCT CODE	FAMILY CODE
LED-8089M30	N/A	N/A	N/A	N/A	N/A	N/A
LED-8089M40	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PGPY6HJY	LLLBIQ	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PGPY6HJY	LLLBIQ
LED-8089M50	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PQX37NS1	LLLBIQ	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PQX37NS1	LLLBIQ
LED-8089M40C	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PE8CBQ7K	LLLBIP	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PE8CBQ7K	LLLBIP
LED-8089M50C	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PMADTJMS	LLLBIP	Replacement Lamps for Outdoor Full-Cutoff Wall-mounted Area Luminaires (Type B)	PMADTJMS	LLLBIP

ENERGY SAVISING vs. HID

LED Lamp Power (watts)	80
HID Lamp Power (watts)	250
HID Ballast Power (watts)	37.5
Total power Savings (watts)	207.5
Annual Energy Savings	$ 117
Lifetime Energy Savings over 50,000 hrs)	$ 1,141

ZONAL LUMENS/ LUX DISTANCE DATA (see LM79 for more information)



Mounting Orientation

BASE DOWN	BASE UP	HORIZONTAL
		
APPROVED	APPROVED	APPROVED

Recommended Mininum Fixture Size		THERMAL SPECIFICATIONS	
		OPERATING TEMPERATURE	-40°F to +122°F
Height	12	IN-SITU TEMP MEASUREMENT/L70	
Width	6	LED TEMPERATURE*	65
Volume (Cu. In.)	432	L70 LED LUMEN MAINTAINENCE*	>36,000
		* FROM ISTMT REPORT AT 77°F	