BayMAX™ High/Low Bay Retrofit Lamp

MaxLite® A NEW WAVE OF LIGHT

BLHR43UN

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE SCHEDULE

The compact and lightweight BayMAX™ retrofit lamp can be used to replace up to a 100-watt HID lamp with an energy efficient LED light source. This retrofit lamp is ideal for high/low bay applications, gymnasiums, auditoriums, auto show rooms, refrigerated storage and areas where changing lamps is difficult or disruptive to operations.

Revolutionary Cooling Technology

The BayMAX lamp features a unique oscillating diaphragm that accelerates the transfer of heat away from the LEDs. This offers improved thermal performance compared to traditional lamps that rely on the heat sink exclusively to transfer heat.

The diaphragm is not affected by ambient temperature variations or dust accumulation, and is constructed without frictional moving parts that would wear out over time. The solid state diaphragm design offers thermal management comparable to a cooling fan without emitting any audible noise.

FEATURES:

- Minimum efficacy: 70 lm/w
- 80 degree beam spread
- Universal voltage 120-277V 50/60 Hz
- 50,000 hour L70 rated lamp life
- Instant on and non-dimming
- IP20 rated for dry location
- Ultra-light weight: 1.8 lbs.
- CRI: 73
- Mogul base
- Profile fits many legacy housings
- Not for use in totally enclosed luminaires
- Supplied with MaxLite Thermax sticker which quickly identifies prohibitive operating conditions

CONSTRUCTION:

- Ultra light weight die cast magnesium alloy heat sink
- Polycarbonate optics
- Oscillating diaphragm draws heat from LEDs

Lamp Ordering Information:

ORDER CODE	MODEL NUMBER	SERIES	TECH	TYPE	WATTAGE	VOLTAGE	DISTRIBUTION	CCT*
71744 72138	BLHR43UN50 BLHR43UN27	**B** = BayMAX	**L** = LED	**HR** = High/Low Bay Retrofit	**43** = 43W	**U** = Universal 120-277V, 50/60Hz	**N** = Narrow 80 degrees	**50** = 5000K **27** = 2700K

MAX12121

Lighting layouts and spacing criteria available upon request

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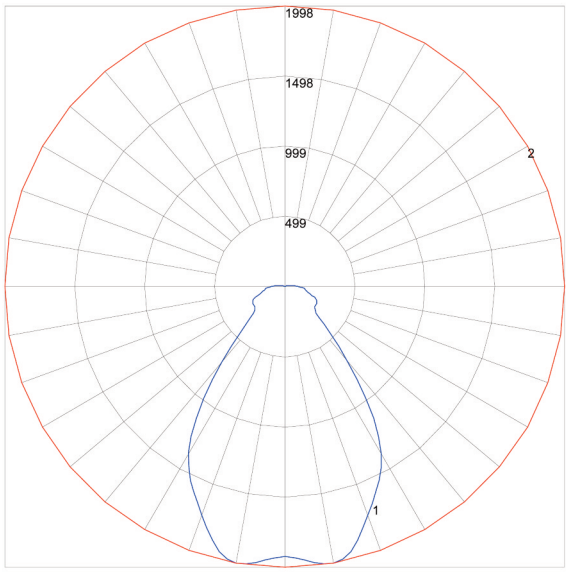
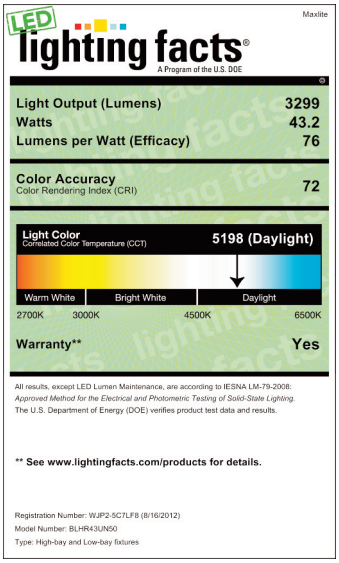
SPECIFICATIONS:

Item	Specification	BLHR43UN50	BLHR43UN27
General Performance	Spacing Criteria	Available upon request	Available upon request
	Color Temperature	5000K	2700K
	CRI	73	73
	Lumens Delivered	3300 lm.	3000 lm.
	Efficacy	76 lumen/watt	70 lumen/watt
	Color Consistency	Proprietary binning for uniform color	Proprietary binning for uniform color
	Lumen Maintenance (L70)	50,000 hours	50,000 hours
Electrical	Power Factor	Over 99%	Over 99%
	Input Voltage	120-277VAC 50/60 Hz	120-277VAC 50/60 Hz
	Power Consumption	43 watts	43 watts
Physical	Dimensions	6.19" Dia. x 9.06" MOL	6.19" Dia. x 9.06" MOL
	Weight	1.83 lbs.	1.83 lbs.
	Housing	Polycarbonate, magnesium alloy	Polycarbonate, magnesium alloy
	Lens	Polycarbonate	Polycarbonate
	Mounting	E39 mogul socket	E39 mogul socket
	Operating Temperature	-4˚F to 113˚F	-4˚F to 113˚F
	Humidity	20%-85% RH, non condensing	20%-85% RH, non condensing
Certification	Certification	cULus, FCC, LM-79, LM-80, LDL	cULus, FCC, LM-80
	Material Usage	RoHS compliant; no mercury	RoHS compliant; no mercury
	Environment	Indoor/IP20, dry location	Indoor/IP20, dry location
	LED Class	L70 rated to 50,000 hours	L70 rated to 50,000 hours
	Warranty	5 years	5 years

Lighting layouts and spacing criteria available upon request



Maximum Candela = 1997.727 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.): BLUE
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.): RED



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