

1. LED Light Engine Pricing

a. LIN Lightboards

ITEM #	CATALOG #	WHL Price		
006.LIN	L-C-LIN-006-[shape]-[drive]-[color]-[voltage]	\$84.00		
012.LIN	L-C-LIN-012-[shape]-[drive]-[color]-[voltage]	\$166.08		
018.LIN	L-C-LIN-018-[shape]-[drive]-[color]-[voltage]	\$246.24		
024.LIN	L-C-LIN-024-[shape]-[drive]-[color]-[voltage]	\$324.48		
030.LIN	L-C-LIN-030-[shape]-[drive]-[color]-[voltage]	\$400.80		
036.LIN	L-C-LIN-036-[shape]-[drive]-[color]-[voltage]	\$475.20		
042.LIN	L-C-LIN-042-[shape]-[drive]-[color]-[voltage]	\$547.68		
048.LIN	L-C-LIN-048-[shape]-[drive]-[color]-[voltage]	\$618.24		
054.LIN	L-C-LIN-054-[shape]-[drive]-[color]-[voltage]	\$686.88		
060.LIN	L-C-LIN-060-[shape]-[drive]-[color]-[voltage]	\$723.00		
066.LIN	L-C-LIN-066-[shape]-[drive]-[color]-[voltage]	\$818.40		
072.LIN	L-C-LIN-072-[shape]-[drive]-[color]-[voltage]	\$851.28		
078.LIN	L-C-LIN-078-[shape]-[drive]-[color]-[voltage]	\$942.24		
084.LIN	L-C-LIN-084-[shape]-[drive]-[color]-[voltage]	\$1,001.28		
090.LIN	L-C-LIN-090-[shape]-[drive]-[color]-[voltage]	\$1,058.40		
096.LIN	L-C-LIN-096-[shape]-[drive]-[color]-[voltage]	\$1,113.60		
102.LIN	L-C-LIN-102-[shape]-[drive]-[color]-[voltage]	\$1,166.88		
108.LIN	L-C-LIN-108-[shape]-[drive]-[color]-[voltage]	\$1,218.24		
114.LIN	L-C-LIN-114-[shape]-[drive]-[color]-[voltage]	\$1,267.68		
120.LIN	L-C-LIN-120-[shape]-[drive]-[color]-[voltage]	\$1,315.20		
126.LIN	L-C-LIN-126-[shape]-[drive]-[color]-[voltage]	\$1,360.80		
132.LIN	L-C-LIN-132-[shape]-[drive]-[color]-[voltage]	\$1,404.48		
138.LIN	L-C-LIN-138-[shape]-[drive]-[color]-[voltage]	\$1,446.24		
140.LIN	L-C-LIN-140-[shape]-[drive]-[color]-[voltage]	\$1,486.08		
150.LIN	L-C-LIN-150-[shape]-[drive]-[color]-[voltage]	\$1,524.00		

1. LED Light Engine Pricing

a. LIN Lightboards continued

156.LIN	L-C-LIN-156-[shape]-[drive]-[color]-[voltage]	\$1,560.00		
162.LIN	L-C-LIN-162-[shape]-[drive]-[color]-[voltage]	\$1,594.08		
168.LIN	L-C-LIN-168-[shape]-[drive]-[color]-[voltage]	\$1,626.24		
174.LIN	L-C-LIN-174-[shape]-[drive]-[color]-[voltage]	\$1,656.48		
180.LIN	L-C-LIN-180-[shape]-[drive]-[color]-[voltage]	\$1,684.80		
186.LIN	L-C-LIN-186-[shape]-[drive]-[color]-[voltage]	\$1,711.20		
192.LIN	L-C-LIN-192-[shape]-[drive]-[color]-[voltage]	\$1,735.68		
198.LIN	L-C-LIN-198-[shape]-[drive]-[color]-[voltage]	\$1,758.24		
204.LIN	L-C-LIN-204-[shape]-[drive]-[color]-[voltage]	\$1,778.88		
210.LIN	L-C-LIN-210-[shape]-[drive]-[color]-[voltage]	\$1,797.60		
216.LIN	L-C-LIN-216-[shape]-[drive]-[color]-[voltage]	\$1,814.40		

b. HEX Lightboards

<i>ITEM #</i>	<i>CATALOG #</i>			
021.HEX	L-C-HEX-021-[shape]-[drive]-[color]-[voltage]	\$261.00		
042.HEX	L-C-HEX-042-[shape]-[drive]-[color]-[voltage]	\$485.20		
063.HEX	L-C-HEX-063-[shape]-[drive]-[color]-[voltage]	\$682.60		
084.HEX	L-C-HEX-084-[shape]-[drive]-[color]-[voltage]	\$863.20		
105.HEX	L-C-HEX-105-[shape]-[drive]-[color]-[voltage]	\$1,047.00		
126.HEX	L-C-HEX-126-[shape]-[drive]-[color]-[voltage]	\$1,197.00		
147.HEX	L-C-HEX-147-[shape]-[drive]-[color]-[voltage]	\$1,365.00		
168.HEX	L-C-HEX-168-[shape]-[drive]-[color]-[voltage]	\$1,497.00		
189.HEX	L-C-HEX-189-[shape]-[drive]-[color]-[voltage]	\$1,594.20		
210.HEX	L-C-HEX-210-[shape]-[drive]-[color]-[voltage]	\$1,687.00		
231.HEX	L-C-HEX-231-[shape]-[drive]-[color]-[voltage]	\$1,829.00		
252.HEX	L-C-HEX-252-[shape]-[drive]-[color]-[voltage]	\$1,963.20		
378.HEX	L-C-HEX-378-[shape]-[drive]-[color]-[voltage]	\$2,962.80		

1. LED Light Engine Pricing

c. Price Adjustments for LED Light Engines

Drive Current

A - Standard (350mA)	no additional charge
B - Medium (525mA)	+ 20%
C - High (700mA)	+ 25%
O - Custom	+20%

Color Temperature

CW (Cool white ~6000K)	no additional charge
NW (Natural white ~4500K)	+ 10%
WW (Warm white ~3500K)	+ 20%
R B G (Red, blue or green)	+60%
O (Custom)	call

Voltage

MT (140-240V)	no additional charge
HC (347V Canadian applications)	+ 20%
HV (480V)	+ 25%
OT (non-standard)	call

Dimming

+ 20%

Volume > 500 pieces call for pricing

1. LED Light Engine Pricing

d. Additions for LED Light Engines

Controls

Photosensor On/Off	\$52.36		
Photosensor Multilevel Dimming	\$104.36		
Motion Sensor Indoor On/Off	\$58.21		
Motion Sensor Outdoor On/Off	\$178.54		
Motion Sensor Indoor Multilevel	\$110.21		
Motion Sensor Outdoor Multilevel	\$230.54		
Combination Indoor On/Off	\$133.61		
Combination Outdoor On/Off	\$253.94		

Solar Power Packages

Full Solar	+ \$2,299	call	----
Grid/Solar Hybrid	+ 1,299	call	----

Warranty Upgrade

10 year warranty	+ 35%	----	----
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2. Fixture Housing Pricing

a. Archlight Series

<i>ITEM #</i>	<i>CATALOG #</i>			
ARCHLIGHT.L	[light engine]-ALL	\$417.53		
ARCHLIGHT.S	[light engine]-ALS	\$216.23		

b. Shoebox Series

<i>ITEM #</i>	<i>CATALOG #</i>			
SHOEBOX.L	[light engine]-SBL	\$308.72		
SHOEBOX.M	[light engine]-SBM	\$122.02		
SHOEBOX.S	[light engine]-SBS	\$97.27		

Mounting Options for SHOEBOX Fixtures

<i>ITEM #</i>	<i>CATALOG #</i>			
BRKA for SHOEBOX.L	SBL-BRKA	\$58.34		
BRKB for SHOEBOX.M	SBM-BRKB	\$58.34		
SFTA for SHOEBOX.L	SBL-SFTA	\$58.34		
SFTB for SHOEBOX.M	SBM-SFTB	\$58.34		

c. Wallpack Series

<i>ITEM #</i>	<i>CATALOG #</i>			
WALLPACK.L	[light engine]-WPL	\$174.65		
WALLPACK.S	[light engine]-WPS	\$72.65		
WALLPACK.XS	[light engine]-WPX	\$41.63		

d. Floodlight Series

<i>ITEM #</i>	<i>CATALOG #</i>			
FLOODLIGHT.L	[light engine]-FLL	\$135.47		
FLOODLIGHT.S	[light engine]-FLS	\$90.19		
FLOODLIGHT.XXL	[light engine]-FXL	\$301.48		

2. Fixture Housing Pricing

e. Highbay Series

ITEM #	CATALOG #			
HIGHBAY.M	[light engine]-HBM	\$189.89		
HIGHBAY.S	[light engine]-HBS	\$135.57		

f. Lowbay Series

ITEM #	CATALOG #			
LB8	[light engine]-LB8	\$82.54		
LB4	[light engine]-LB4	\$42.66		
LB2	[light engine]-LB2	\$33.27		

g. Garage & Canopy Series

ITEM #	CATALOG #			
CA1	[light engine]-CA1	\$69.23		
GR2	[light engine]-GR2	\$234.54		

h. Downlight Series

ITEM #	CATALOG #			
DL1	[light engine]-DL1	\$132.32		

i. Cobrahead Series

ITEM #	CATALOG #			
CBH	[light engine]-CBH	\$101.25		

j. Norilight Series

ITEM #	CATALOG #			
NLM	[light engine]-NLM	Call	-----	-----

k. Lay-in Series

ITEM #	CATALOG #			
2x4	[light engine]-2x2			
2x2	[light engine]-2x4			

2. Fixture Housing Pricing

a. Additions for LED Light Engines

<i>ITEM #</i>	<i>CATALOG #</i>			
Frosted lens	[light engine]-[fixture]-FST	\$50		
Wet location rated	[light engine]-[fixture]-WET	Call	-----	-----








b. Warranty Upgrade

10 year warranty		+ 35%	----	----
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NORIBACHI LED LIGHT ENGINES
















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STANDARD DRIVE CURRENT (6-42 LEDs)

BULB NAME	# OF LEDS	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
006.LIN	6		6	10-50W	745	7"x1"	L-C-LIN-006-REC-A-[Color Temp]-[Voltage]
012.LIN	12		13	25-75W	1490	7"x2.5"	L-C-LIN-012-REC-A-[Color Temp]-[Voltage]
018.LIN	18		19	50-100W	2235	4"x7"	L-C-LIN-018-REC-A-[Color Temp]-[Voltage] L-C-CUS-18-REC-A-45-MT
021.HEX	21		23	50-125W	2608	4.5"x4.5"	L-C-HEX-021-REC-A-[Color Temp]-[Voltage] L-C-CUS-21-REC-A-45-MT
021.HEX	21		23	50-125W	2608	4.5"	L-C-HEX-021-ROU-A-[Color Temp]-[Voltage] L-C-CUS-21-REC-A-45-MT
024.LIN	24		26	60-125W	2980	5"x7"	L-C-LIN-024-REC-A-[Color Temp]-[Voltage] L-C-CUS-24-REC-A-45-MT
024.LIN	24		26	60-125W	2980	2"x7"	L-C-LIN-024-FIN-A-[Color Temp]-[Voltage] L-C-CUS-24-REC-A-45-MT
030.LIN	30		33	75-135W	3725	6"x7"	L-C-LIN-030-REC-A-[Color Temp]-[Voltage] L-C-CUS-30-REC-A-45-MT
030.LIN	30		33	65-150W	3725	3"x7"	L-C-LIN-030-FIN-A-[Color Temp]-[Voltage] L-C-CUS-30-REC-A-45-MT
036.LIN	36		39	80-150W	4470	7"x7"	L-C-LIN-036-REC-A-[Color Temp]-[Voltage] L-C-CUS-36-REC-A-45-MT
036.LIN	36		39	75-155W	4470	4"x7"	L-C-LIN-036-FIN-A-[Color Temp]-[Voltage] L-C-CUS-36-REC-A-45-MT
042.HEX	42		45	100-200W	5215	4.5"x7.5"	L-C-HEX-042-REC-A-[Color Temp]-[Voltage] L-C-CUS-42-REC-A-45-MT
042.HEX	42		45	100-200W	5215	7"	L-C-HEX-042-ROU-A-[Color Temp]-[Voltage] L-C-CUS-42-REC-A-45-MT
042.LIN	42		45	90-200W	5215	7"x8"	L-C-LIN-042-REC-A-[Color Temp]-[Voltage] L-C-CUS-42-REC-A-45-MT
042.LIN	42		45	90-200W	5215	5"x7"	L-C-LIN-042-FIN-A-[Color Temp]-[Voltage] L-C-CUS-42-REC-A-45-MT
















NORIBACHI LED LIGHT ENGINES

STANDARD DRIVE CURRENT (48-84 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
048.LIN	48		52	100-225W	5961	7"x9"	L-C-LIN-048-REC-A-[Color Temp]-[Voltage] L-C-CUS-48-REC-A-45-MT
048.LIN	48		52	100-225W	5961	6"x7"	L-C-LIN-048-FIN-A-[Color Temp]-[Voltage] L-C-CUS-48-REC-A-45-MT
054.LIN	54		58	120-250W	6706	7"x10"	L-C-LIN-054-REC-A-[Color Temp]-[Voltage] L-C-CUS-54-REC-A-45-MT
054.LIN	54		58	120-250W	6706	7"x7"	L-C-LIN-054-FIN-A-[Color Temp]-[Voltage] L-C-CUS-54-REC-A-45-MT
060.LIN	60		65	130-275W	7451	7"x11"	L-C-LIN-060-REC-A-[Color Temp]-[Voltage] L-C-CUS-60-REC-A-45-MT
063.HEX	63		68	150-275W	7823	8"x7"	L-C-HEX-063-REC-A-[Color Temp]-[Voltage] L-C-CUS-63-REC-A-45-MT
063.HEX	63		68	150-275W	7823	9"	L-C-HEX-063-ROU-A-[Color Temp]-[Voltage] L-C-CUS-63-REC-A-45-MT
063.HEX	63		68	150-275W	7823	6"x4.5"	L-C-HEX-063-PYR-A-[Color Temp]-[Voltage] L-C-CUS-63-REC-A-45-MT
066.LIN	66		71	145-300W	8196	7"x12"	L-C-LIN-066-REC-A-[Color Temp]-[Voltage] L-C-CUS-66-REC-A-45-MT
072.LIN	72		78	155-310W	8941	7"x13"	L-C-LIN-072-REC-A-[Color Temp]-[Voltage] L-C-CUS-72-REC-A-45-MT
078.LIN	78		85	175-350W	9686	7"x14"	L-C-LIN-078-REC-A-[Color Temp]-[Voltage] L-C-CUS-78-REC-A-45-MT
084.HEX	84		91	200-350W	10431	7.5"x8"	L-C-HEX-084-REC-A-[Color Temp]-[Voltage] L-C-CUS-84-REC-A-45-MT
084.HEX	84		91	200-350W	10431	9"	L-C-HEX-084-ROU-A-[Color Temp]-[Voltage] L-C-CUS-84-REC-A-45-MT
084.HEX	84		91	200-350W	10431	8"x4.5"	L-C-HEX-084-PYR-A-[Color Temp]-[Voltage] L-C-CUS-84-REC-A-45-MT
084.LIN	84		91	185-375W	10431	8"x14"	L-C-LIN-084-REC-A-[Color Temp]-[Voltage] L-C-CUS-84-REC-A-45-MT
















NORIBACHI LED LIGHT ENGINES

STANDARD DRIVE CURRENT (90-168 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
090.LIN	90		98	200-400W	11176	6"x21"	L-C-LIN-090-REC-A-[Color Temp]-[Voltage] L-C-CUS-90-REC-A-45-MT
096.LIN	96		104	225-450W	11921	9"x14"	L-C-LIN-096-REC-A-[Color Temp]-[Voltage] L-C-CUS-96-REC-A-45-MT
105.HEX	105		114	275-450W	13039	7.5"x12"	L-C-HEX-105-REC-A-[Color Temp]-[Voltage] L-C-CUS-105-REC-A-45-MT
105.HEX	105		114	275-450W	13039	9.5"	L-C-HEX-105-ROU-A-[Color Temp]-[Voltage] L-C-CUS-105-REC-A-45-MT
108.LIN	108		117	250-500W	13411	10"x14"	L-C-LIN-108-REC-A-[Color Temp]-[Voltage] L-C-CUS-108-REC-A-45-MT
120.LIN	120		130	275-550W	14901	11"x14"	L-C-LIN-120-REC-A-[Color Temp]-[Voltage] L-C-CUS-120-REC-A-45-MT
126.HEX	126		136	350-600W	15646	8"x12"	L-C-HEX-126-REC-A-[Color Temp]-[Voltage] L-C-CUS-126-REC-A-45-MT
126.HEX	126		136	350-600W	15646	10"	L-C-HEX-126-ROU-A-[Color Temp]-[Voltage] L-C-CUS-126-REC-A-45-MT
132.LIN	132		143	300-600W	16392	12"x14"	L-C-LIN-132-REC-A-[Color Temp]-[Voltage] L-C-CUS-132-REC-A-45-MT
140.LIN	140		152	400-750W	17385	12"x14"	L-C-LIN-140-REC-A-[Color Temp]-[Voltage] L-C-CUS-140-REC-A-45-MT
144.LIN	144		XXX	400-700W	XXXXX	13"x14"	L-C-LIN-144-REC-A-[Color Temp]-[Voltage] L-C-CUS-144-REC-A-45-MT
147.HEX	147		160	400-675W	18254	12"	L-C-HEX-147-ROU-A-[Color Temp]-[Voltage] L-C-CUS-147-REC-A-45-MT
156.LIN	156		169	500-750W	19372	14"x14"	L-C-LIN-156-REC-A-[Color Temp]-[Voltage] L-C-CUS-156-REC-A-45-MT
162.LIN	162		176	525-775W	20117	10"x21"	L-C-LIN-162-REC-A-[Color Temp]-[Voltage] L-C-CUS-162-REC-A-45-MT
168.HEX	168		183	500-750W	20862	8"x16"	L-C-HEX-168-REC-A-[Color Temp]-[Voltage] L-C-CUS-168-REC-A-45-MT
















NORIBACHI LED LIGHT ENGINES

STANDARD DRIVE CURRENT (168-252 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
168.HEX	168		183	500-750W	20862	13"	L-C-HEX-168-ROU-A-[Color Temp]-[Voltage] L-C-CUS-168-REC-A-45-MT
168.LIN	168		183	550-800W	20862	14"x15"	L-C-LIN-168-REC-A-[Color Temp]-[Voltage] L-C-CUS-168-REC-A-45-MT
180.LIN	180		195	600-850W	22352	14"x16"	L-C-LIN-180-REC-A-[Color Temp]-[Voltage] L-C-CUS-180-REC-A-45-MT
189.HEX	189		205	550-800W	23470	11.5"x12"	L-C-HEX-189-REC-A-[Color Temp]-[Voltage] L-C-CUS-189-REC-A-45-MT
189.HEX	189		205	550-800W	23470	14.5"	L-C-HEX-189-ROU-A-[Color Temp]-[Voltage] L-C-CUS-189-REC-A-45-MT
192.LIN	192		209	650-900W	23842	15"x16"	L-C-LIN-192-REC-A-[Color Temp]-[Voltage] L-C-CUS-192-REC-A-45-MT
198.LIN	198		215	675-925W	24587	12"x21"	L-C-LIN-198-REC-A-[Color Temp]-[Voltage] L-C-CUS-198-REC-A-45-MT
210.HEX	210		228	600-900W	26077	8"x20"	L-C-HEX-210-REC-A-[Color Temp]-[Voltage] L-C-CUS-210-REC-A-45-MT
210.HEX	210		228	600-900W	26077	15.5"	L-C-HEX-210-ROU-A-[Color Temp]-[Voltage] L-C-CUS-210-REC-A-45-MT
210.LIN	210		228	700-950W	26077	16"x16"	L-C-LIN-210-REC-A-[Color Temp]-[Voltage] L-C-CUS-210-REC-A-45-MT
216.LIN	216		235	750-1000W	26823	15"x19"	L-C-LIN-216-REC-A-[Color Temp]-[Voltage] L-C-CUS-216-REC-A-45-MT
222.LIN	222		241	750-1000W	27568	14"x19"	L-C-LIN-222-REC-A-[Color Temp]-[Voltage] L-C-CUS-222-REC-A-45-MT
231.HEX	231		251	650-950W	28685	17"	L-C-HEX-231-ROU-A-[Color Temp]-[Voltage] L-C-CUS-231-REC-A-45-MT
252.HEX	252		273	700-1000W	31293	12"x16"	L-C-HEX-252-REC-A-[Color Temp]-[Voltage] L-C-CUS-252-REC-A-45-MT
252.HEX	252		273	700-1000W	31293	18"	L-C-HEX-252-ROU-A-[Color Temp]-[Voltage] L-C-CUS-252-REC-A-45-MT
378.HEX	378		410	1000W +	46941	20"	L-C-HEX-378-ROU-A-[Color temp]-[Voltage] qualification pending
















NORIBACHI LED LIGHT ENGINES

MEDIUM DRIVE CURRENT (6-42 LEDs)

BULB NAME	# OF LEDS	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
006.LIN	6		10	15-75W	1055	7"x1"	L-C-LIN-006-REC-B-[Color Temp]-[Voltage]
012.LIN	12		20	35-110W	2110	7"x2.5"	L-C-LIN-012-REC-B-[Color Temp]-[Voltage]
018.LIN	18		30	65-140W	3165	4"x7"	L-C-LIN-018-REC-B-[Color Temp]-[Voltage] L-C-CUS-18-REC-B-45-MT
021.HEX	21		35	75-175W	3693	4.5"x4.5"	L-C-HEX-021-REC-B-[Color Temp]-[Voltage] L-C-CUS-21-REC-B-45-MT
021.HEX	21		35	75-175W	3693	4.5"	L-C-HEX-021-ROU-B-[Color Temp]-[Voltage] L-C-CUS-21-REC-B-45-MT
024.LIN	24		40	90-185W	4221	5"x7"	L-C-LIN-024-REC-B-[Color Temp]-[Voltage] L-C-CUS-24-REC-B-45-MT
024.LIN	24		40	90-185W	4221	2"x7"	L-C-LIN-024-FIN-B-[Color Temp]-[Voltage] L-C-CUS-24-REC-B-45-MT
030.LIN	30		50	100-200W	5276	6"x7"	L-C-LIN-030-REC-B-[Color Temp]-[Voltage] L-C-CUS-30-REC-B-45-MT
030.LIN	30		50	90-225W	5276	3"x7"	L-C-LIN-030-FIN-B-[Color Temp]-[Voltage] L-C-CUS-30-REC-B-45-MT
036.LIN	36		60	120-225W	6331	7"x7"	L-C-LIN-036-REC-B-[Color Temp]-[Voltage] L-C-CUS-36-REC-B-45-MT
036.LIN	36		60	100-235W	6331	4"x7"	L-C-LIN-036-FIN-B-[Color Temp]-[Voltage] L-C-CUS-36-REC-B-45-MT
042.HEX	42		70	125-300W	7386	4.5"x7.5"	L-C-HEX-042-REC-B-[Color Temp]-[Voltage] L-C-CUS-42-REC-B-45-MT
042.HEX	42		70	125-300W	7386	7"	L-C-HEX-042-ROU-B-[Color Temp]-[Voltage] L-C-CUS-42-REC-B-45-MT
042.LIN	42		70	135-275W	7386	7"x8"	L-C-LIN-042-REC-B-[Color Temp]-[Voltage] L-C-CUS-42-REC-B-45-MT
042.LIN	42		70	125-265W	7386	5"x7"	L-C-LIN-042-FIN-B-[Color Temp]-[Voltage] L-C-CUS-42-REC-B-45-MT
















NORIBACHI LED LIGHT ENGINES

MEDIUM DRIVE CURRENT (48-84 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
048.LIN	48		80	150-320W	8441	7"x9"	L-C-LIN-048-REC-B-[Color Temp]-[Voltage] L-C-CUS-48-REC-B-45-MT
048.LIN	48		80	150-320W	8441	6"x7"	L-C-LIN-048-FIN-B-[Color Temp]-[Voltage] L-C-CUS-48-REC-B-45-MT
054.LIN	54		90	180-360W	9496	7"x10"	L-C-LIN-054-REC-B-[Color Temp]-[Voltage] L-C-CUS-54-REC-B-45-MT
054.LIN	54		90	180-375W	9496	7"x7"	L-C-LIN-054-FIN-B-[Color Temp]-[Voltage] L-C-CUS-54-REC-B-45-MT
060.LIN	60		100	195-400W	10552	7"x11"	L-C-LIN-060-REC-B-[Color Temp]-[Voltage] L-C-CUS-60-REC-B-45-MT
063.HEX	63		106	200-400W	11079	8"x7"	L-C-HEX-063-REC-B-[Color Temp]-[Voltage] L-C-CUS-63-REC-B-45-MT
063.HEX	63		106	200-400W	11079	9"	L-C-HEX-063-ROU-B-[Color Temp]-[Voltage] L-C-CUS-63-REC-B-45-MT
063.HEX	63		106	200-400W	11079	6"x4.5"	L-C-HEX-063-PYR-B-[Color Temp]-[Voltage] L-C-CUS-63-REC-B-45-MT
066.LIN	66		111	200-410W	11607	7"x12"	L-C-LIN-066-REC-B-[Color Temp]-[Voltage] L-C-CUS-66-REC-B-45-MT
072.LIN	72		121	225-435W	12662	7"x13"	L-C-LIN-072-REC-B-[Color Temp]-[Voltage] L-C-CUS-72-REC-B-45-MT
078.LIN	78		131	250-475W	13717	7"x14"	L-C-LIN-078-REC-B-[Color Temp]-[Voltage] L-C-CUS-78-REC-B-45-MT
084.HEX	84		141	300-525W	14772	7.5"x8"	L-C-HEX-084-REC-B-[Color Temp]-[Voltage] L-C-CUS-84-REC-B-45-MT
084.HEX	84		141	300-525W	14772	9"	L-C-HEX-084-ROU-B-[Color Temp]-[Voltage] L-C-CUS-84-REC-B-45-MT
084.HEX	84		141	300-525W	14772	8"x4.5"	L-C-HEX-084-PYR-B-[Color Temp]-[Voltage] L-C-CUS-84-REC-B-45-MT
084.LIN	84		141	275-525W	14772	8"x14"	L-C-LIN-084-REC-B-[Color Temp]-[Voltage] L-C-CUS-84-REC-B-45-MT
















NORIBACHI LED LIGHT ENGINES

MEDIUM DRIVE CURRENT (90-168 LEDs)

BULB NAME	# OF LEDS	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
090.LIN	90		151	300-575W	15827	6"x21"	L-C-LIN-090-REC-B-[Color Temp]-[Voltage] L-C-CUS-90-REC-B-45-MT
096.LIN	96		161	320-600W	16882	9"x14"	L-C-LIN-096-REC-B-[Color Temp]-[Voltage] L-C-CUS-96-REC-B-45-MT
105.HEX	105		176	400-650W	18465	7.5"x12"	L-C-HEX-105-REC-B-[Color Temp]-[Voltage] L-C-CUS-105-REC-B-45-MT
105.HEX	105		176	400-650W	18465	9.5"	L-C-HEX-105-ROU-B-[Color Temp]-[Voltage] L-C-CUS-105-REC-B-45-MT
108.LIN	108		181	400-750W	18993	10"x14"	L-C-LIN-108-REC-B-[Color Temp]-[Voltage] L-C-CUS-108-REC-B-45-MT
120.LIN	120		201	450-850W	21103	11"x14"	L-C-LIN-120-REC-B-[Color Temp]-[Voltage] L-C-CUS-120-REC-B-45-MT
126.HEX	126		211	550-800W	22158	8"x12"	L-C-HEX-126-REC-B-[Color Temp]-[Voltage] L-C-CUS-126-REC-B-45-MT
126.HEX	126		211	550-800W	22158	10"	L-C-HEX-126-ROU-B-[Color Temp]-[Voltage] L-C-CUS-126-REC-B-45-MT
132.LIN	132		221	525-925W	23213	12"x14"	L-C-LIN-132-REC-B-[Color Temp]-[Voltage] L-C-CUS-132-REC-B-45-MT
140.LIN	140		235	750-1000W	24620	12"x14"	L-C-LIN-140-REC-B-[Color Temp]-[Voltage] L-C-CUS-140-REC-B-45-MT
144.LIN	144		XXX	600-1000W	XXXXX	13"x14"	L-C-LIN-144-REC-B-[Color Temp]-[Voltage] L-C-CUS-144-REC-B-45-MT
147.HEX	147		247	600-850W	25851	12"	L-C-HEX-147-ROU-B-[Color Temp]-[Voltage] L-C-CUS-147-REC-B-45-MT
156.LIN	156		261	650-1075W	27434	14"x14"	L-C-LIN-156-REC-B-[Color Temp]-[Voltage] L-C-CUS-156-REC-B-45-MT
162.LIN	162		271	700-1150W	28489	10"x21"	L-C-LIN-162-REC-B-[Color Temp]-[Voltage] L-C-CUS-162-REC-B-45-MT
168.HEX	168		282	650-900W	29544	8"x16"	L-C-HEX-168-REC-B-[Color Temp]-[Voltage] L-C-CUS-168-REC-B-45-MT
















NORIBACHI LED LIGHT ENGINES

MEDIUM DRIVE CURRENT (168-252 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
168.HEX	168		282	650-900W	29544	13"	L-C-HEX-168-ROU-B-[Color Temp]-[Voltage] L-C-CUS-168-REC-B-45-MT
168.LIN	168		282	750-1200W	29544	14"x15"	L-C-LIN-168-REC-B-[Color Temp]-[Voltage] L-C-CUS-168-REC-B-45-MT
180.LIN	180		302	825-1275W	31655	14"x16"	L-C-LIN-180-REC-B-[Color Temp]-[Voltage] L-C-CUS-180-REC-B-45-MT
189.HEX	189		317	700-1000W	33237	11.5"x12"	L-C-HEX-189-REC-B-[Color Temp]-[Voltage] L-C-CUS-189-REC-B-45-MT
189.HEX	189		317	700-1000W	33237	14.5"	L-C-HEX-189-ROU-B-[Color Temp]-[Voltage] L-C-CUS-189-REC-B-45-MT
192.LIN	192		322	900-1350W	33765	14"x17"	L-C-LIN-192-REC-B-[Color Temp]-[Voltage] L-C-CUS-192-REC-B-45-MT
198.LIN	198		332	950-1400W	34820	12"x21"	L-C-LIN-198-REC-B-[Color Temp]-[Voltage] L-C-CUS-198-REC-B-45-MT
204.LIN	204		342	1000-1425W	35875	14"x18"	L-C-LIN-204-REC-B-[Color Temp]-[Voltage] L-C-CUS-204-REC-B-45-MT
210.HEX	210		352	800-1100W	36930	8"x20"	L-C-HEX-210-REC-B-[Color Temp]-[Voltage] L-C-CUS-210-REC-B-45-MT
210.HEX	210		352	800-1100W	36930	15.5"	L-C-HEX-210-ROU-B-[Color Temp]-[Voltage] L-C-CUS-210-REC-B-45-MT
216.LIN	216		362	1050-1500W	37985	14"x19"	L-C-LIN-216-REC-B-[Color Temp]-[Voltage] L-C-CUS-216-REC-B-45-MT
231.HEX	231		388	850-1150W	40623	17"	L-C-HEX-231-ROU-B-[Color Temp]-[Voltage] L-C-CUS-231-REC-B-45-MT
252.HEX	252		423	900-1200W	44316	12"x16"	L-C-HEX-252-REC-B-[Color Temp]-[Voltage] L-C-CUS-252-REC-B-45-MT
252.HEX	252		423	900-1200W	44316	18"	L-C-HEX-252-ROU-B-[Color Temp]-[Voltage] L-C-CUS-252-REC-B-45-MT
378.HEX	378		634	1000W +	66426	20"	L-C-HEX-378-ROU-B-[Color temp]-[Voltage] qualification pending
















NORIBACHI LED LIGHT ENGINES

HIGH DRIVE CURRENT (6-42 LEDs)

BULB NAME	# OF LEDS	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG #
006.LIN	6		13	25-100W	1337	7"x1"	L-C-LIN-006-REC-C-[Color Temp]-[Voltage]
012.LIN	12		27	50-150W	2673	7"x2.5"	L-C-LIN-012-REC-C-[Color Temp]-[Voltage]
018.LIN	18		41	100-175W	4010	7"x4"	L-C-LIN-018-REC-C-[Color Temp]-[Voltage]
021.HEX	21		48	100-200W	4678	4.5"x4.5"	L-C-HEX-021-REC-C-[Color Temp]-[Voltage]
021.HEX	21		48	100-200W	4678	4.5"	L-C-HEX-021-ROU-C-[Color Temp]-[Voltage]
024.LIN	24			125-250W		7"x5"	L-C-LIN-024-REC-C-[Color Temp]-[Voltage]
024.LIN	24			125-250W		2"x7"	L-C-LIN-024-FIN-C-[Color Temp]-[Voltage]
030.LIN	30			150-275W		7"x6"	L-C-LIN-030-REC-C-[Color Temp]-[Voltage]
030.LIN	30			125-300W		3"x7"	L-C-LIN-030-FIN-C-[Color Temp]-[Voltage]
036.LIN	36		83	175-325W	8019	7"x7"	L-C-LIN-036-REC-C-[Color Temp]-[Voltage]
036.LIN	36		83	150-350W	8019	4"x7"	L-C-LIN-036-FIN-C-[Color Temp]-[Voltage]
042.HEX	42		96	175-350W	9356	4.5"x7.5"	L-C-HEX-042-REC-C-[Color Temp]-[Voltage]
042.HEX	42		96	175-350W	9356	7"	L-C-HEX-042-ROU-C-[Color Temp]-[Voltage]
042.LIN	42		96	200-400W	9356	7"x8"	L-C-LIN-042-REC-C-[Color Temp]-[Voltage]
042.LIN	42		96	175-400W	9356	5"x7"	L-C-LIN-042-FIN-C-[Color Temp]-[Voltage]













NORIBACHI LED LIGHT ENGINES

HIGH DRIVE CURRENT (48-96 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
048.LIN	48		111	250-450W	10406	7"x9"	L-C-LIN-048-REC-C-[Color Temp]-[Voltage]
054.LIN	54		123	275-450W	12029	7"x10"	L-C-LIN-054-REC-C-[Color Temp]-[Voltage]
060.LIN	60		137	275-450W	13366	7"x11"	L-C-LIN-060-REC-C-[Color Temp]-[Voltage]
063.HEX	63		144	275-450W	14034	8"x7"	L-C-HEX-063-REC-C-[Color Temp]-[Voltage]
063.HEX	63		144	275-450W	14034	8"x7"	L-C-HEX-063-REC-C-[Color Temp]-[Voltage]
063.HEX	63		144	275-450W	14034	6"x4.5"	L-C-HEX-063-PYR-C-[Color Temp]-[Voltage]
066.LIN	66		151	325-600W	14702	7"x12"	L-C-LIN-066-REC-C-[Color Temp]-[Voltage]
072.LIN	72		165	350-625W	16039	7"x13"	L-C-LIN-072-REC-C-[Color Temp]-[Voltage]
078.LIN	78		179	375-675W	17375	7"x14"	L-C-LIN-078-REC-C-[Color Temp]-[Voltage]
084.HEX	84		192	350-600W	18712	7.5"x8"	L-C-HEX-084-REC-C-[Color Temp]-[Voltage]
084.HEX	84		192	350-600W	18712	9"	L-C-HEX-084-ROU-C-[Color Temp]-[Voltage]
084.HEX	84		192	350-600W	18712	8"x4.5"	L-C-HEX-084-PYR-C-[Color Temp]-[Voltage]
084.LIN	84		192	400-725W	18712	8"x14"	L-C-LIN-084-REC-C-[Color Temp]-[Voltage]
090.LIN	90		206	425-775W	20048	6"x21"	L-C-LIN-090-REC-C-[Color Temp]-[Voltage]
096.LIN	96		220	450-825W	21385	9"x14"	L-C-LIN-096-REC-C-[Color Temp]-[Voltage]













NORIBACHI LED LIGHT ENGINES

HIGH DRIVE CURRENT (105-172 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
105.HEX	105		241	500-800W	23390	7.5"x12"	L-C-HEX-105-REC-C-[Color Temp]-[Voltage]
105.HEX	105		241	500-800W	23390	9.5"	L-C-HEX-105-ROU-C-[Color Temp]-[Voltage]
112.LIN	112		257	500-900W	24949	10"x14"	L-C-LIN-112-REC-C-[Color Temp]-[Voltage]
120.LIN	120		275	575-1025W	26731	11"x14"	L-C-LIN-124-REC-C-[Color Temp]-[Voltage]
126.HEX	126		289	600-1000W	28068	8"x12"	L-C-HEX-126-REC-C-[Color Temp]-[Voltage]
126.HEX	126		289	600-1000W	28068	10"	L-C-HEX-126-ROU-C-[Color Temp]-[Voltage]
126.LIN	126		289	650-1150W	28068	12"x14"	L-C-LIN-136-REC-C-[Color Temp]-[Voltage]
140.LIN	140		321	800-1200W	31186	12"x14"	L-C-LIN-140-REC-C-[Color Temp]-[Voltage]
147.HEX	147		337	700-1100W	32745	12"	L-C-HEX-147-ROU-C-[Color Temp]-[Voltage]
148.LIN	148		340	750-1300W	32968	13"x14"	L-C-LIN-148-REC-C-[Color Temp]-[Voltage]
160.LIN	160		367	850-1400W	35641	14"x14"	L-C-LIN-160-REC-C-[Color Temp]-[Voltage]
166.LIN	166		380	1000-1500W	36978	10"x21"	L-C-LIN-166-REC-C-[Color Temp]-[Voltage]
168.HEX	168		385	850-1200W	37423	8"x16"	L-C-HEX-168-REC-C-[Color Temp]-[Voltage]
168.HEX	168		385	850-1200W	37423	13"	L-C-HEX-168-ROU-C-[Color Temp]-[Voltage]
172.LIN	172		394	1100-1600W	38314	14"x15"	L-C-LIN-172-REC-C-[Color Temp]-[Voltage]

NORIBACHI LED LIGHT ENGINES

HIGH DRIVE CURRENT (180-252 LEDs)

BULB NAME	# OF LEDs	GEOMETRY	WATTAGE	COMMONLY REPLACES	LUMEN OUTPUT	MIN LIGHT ENGINE DIMS	CATALOG # DLC PART #
180.LIN	180		416	1150-1650W	39021	14"x16"	L-C-LIN-180-REC-C-[Color Temp]-[Voltage]
184.LIN	184		422	1200-1700W	40988	14"x16"	L-C-LIN-184-REC-C-[Color Temp]-[Voltage]
189.HEX	189		433	950-1350W	42101	11.5"x12"	L-C-HEX-189-REC-C-[Color Temp]-[Voltage]
189.HEX	189		433	950-1350W	42101	14.5"	L-C-HEX-189-ROU-C-[Color Temp]-[Voltage]
198.LIN	198		454	1300-1800W	44106	14"x17"	L-C-LIN-198-REC-C-[Color Temp]-[Voltage]
202.LIN	202		463	1350-1850W	44997	12"x21"	L-C-LIN-202-REC-C-[Color Temp]-[Voltage]
210.HEX	210		481	1000-1500W	46779	8"x20"	L-C-HEX-210-REC-C-[Color Temp]-[Voltage]
210.HEX	210		481	1000-1500W	46779	15.5"	L-C-HEX-210-ROU-C-[Color Temp]-[Voltage]
216.LIN	216		495	1400-1900W	48116	14"x18"	L-C-LIN-216-REC-C-[Color Temp]-[Voltage]
231.HEX	231		530	1100-1500W	51457	17"	L-C-HEX-231-ROU-C-[Color Temp]-[Voltage]
252.HEX	252		578	1200-1500W	56135	12"x16"	L-C-HEX-252-REC-C-[Color Temp]-[Voltage]
252.HEX	252		578	1200-1500W	56135	18"	L-C-HEX-252-ROU-C-[Color Temp]-[Voltage]