

COMPARATIVE ANALYSIS BETWEEN INTEGRATED LED FIXTURES VERSUS RETROFIT AND VEGALUX (LUBO)

The greatest CO2 savings in the lighting industry of its category. Inside its US and Canada's patented thermo transfers, LUBO used 40% to 50 % less raw aluminium material i.e. 14,9 oz with bulbs included in its spotlight MR16, performing with the highest efficiency for its category 1500L and 1408L, 36.8°, 73.7 L/W.

COMPANY'S FIXTURE	Watt	LUMEN	L/W	FORMAT	LENS	STEP DIMMING	CRI	RETROFIT	INTEGRATED
HADCO BUL16	7	460	65	3,125"	25 or 35°	460 L Polymer			X
VISTA; 3107 12 V	13	738	56	3"	VHS-SP-MF-WF	4.5W- 9.5.W 13W			X
B-K SSL 12V	7	466	66.5	2.25"	13-16-2 3-31				
GARDEN LIGHT V3 VISIONARY SERIES	9	620	68	2.5"	12-25-4 8-60°	2W-4W-6W-9W Dedicated LED Fixtures			x
HADCO BL9 SIGNIFY	10,7	710	66.3	2.25"	15-35 60°	2W-4.6W-8.6W- 10.7W	70		X
VISTA: 1043 120V-277V	19.9	1212	62.15	3"	16-19-3 0-46°	4.6W 9W 13.2W 15.9W 19.5W			X
KICHLER VLO 16018-20	12	835	69.5	2.72"	15-35-6 0°	400L 600L 835L			X
RETROFIT BULB MR-16									
COMPANY'S BULB	Watt	LUMEN	L/W	FORMAT	LENS	STEP DIMMING	CRI	RETROFIT	INTEGRATED
LUBO LIGHTING VEGALUX SERIES * Lifetime: 60 000 hrs	19.1 **	1408	73.66	MR16	36.8°	PWM	82.4- 90	X	2700K 3000K
	7.97	749	94.06	MR16	34°	PWM	81.4-90	X	2700K 3000K
	3.35	394.8	117.9	MR16	33°	PWM	82.9-90	X	2700K 3000K
	2.22	260.7	117.4	MR16	33.1°	PWM	85.5-90	X	2700K 3000K
*All 4 bulbs can fit inside the same fixture and all standard MR16 (LED) ** Dedicated Led fixtures only.									
PHILIPS	6.4	452	70.3	MR16	25°	YES	8.0	X	2700K 3000K
Illumicare Lifetime: 40K hrs	5	200-250	50	MR16	15°/30° 45°/60°			X	
Illumicare	7	450-510	72	MR16	15°/30° 45°/60°		85	X	2700K 3000K 4000K
COMPANY'S BULB	Watt	LUMEN	L/W	FORMAT	LENS	STEP DIMMING	CRI	RETROFIT	INTEGRATED
Sylvania AYC893	6	300	50	MR16	36°	YES	87	X	2700K 3000K 4000K
GE lighting	7	350	50	MR16	Narrow	YES		X	
6.4MR16	5.5	380	69	MR16					
SORAA VIVIO Lifetime: 30k hrs	7.5	390	52	MR16	10°/25° 36°		95	x	2700K 3000K 4000K
USHIO UPHORIA	6.5	350	53.8	MR16	35°		80	X	2700K 3000K

LET'S THINK ABOUT SOME FACTS

Raw material and aluminium-related costs

- Extraction from the mines (Ex: South America)
- Shipping costs from mine to factory
- Foundry costs
- Transforming costs secondary
- Storage costs
- Administration

This new LED Thermo Transfer Concept (CAMELEON and VEGALUX) offers extreme advantages, costs savings, reduces and eliminates most maintenance with more LED life (up to 60 000 hours), reduced overheat as well for all types of indoor and outdoor environments.

Overheat reduction means – Cost saving on climatization for indoor use, under hot seasons or tropical use.

SUSTAINABILITY

The lighting industry is not exempted from understanding that natural resources and environment are not in endless supply and that it is necessary to protect and rationalise the use of our resources. Understanding the life cycle of all lighting systems and developing ecological solutions that will allow for a lower consumption of our resources and a better use will be a fundamental axis.

The last thermal tests with the VEGALUX 725 L bulbs inside any standard MR16 enclosed fixtures in copper, brass, aluminium give a very lucrative market opening with great efficiency 117,9L/W, 4 optic lens removable on the spot. This is the greatest power savings for a retrofit bulb on the market, now.

NEXT GENERATION OF VEGALUX MR16

Providing VEGALUX retrofit bulbs 250L, 400L, 725L, with new generation cobs, 90 to 97 CRI include 2700K°, 3000K°, 3500K° temperatures keeping the highest L/W and 60 000 hrs lifetime for retrofit bulbs, also ready for all standard retrofit MR16 enclosed or open fixtures in the lighting market.