



Benefits

- High Energy Savings
- Long Life
- Uniform Light Distribution
- Low glare
- Superior CRI
- No Lumen Depreciation
- Constant light intensity throughout temperature range and life
- Universal Input
100-300 Vac, 200-480 Vac
- 50-60 Hz Operation
- Instant ON/OFF
- Cold start
- No audible noise

- Versatile Mounting System
- Greater resistance to shock and vibrations
- RoHS compliant

- Easy Driver Replacement

- Optional:
Occupancy Sensor Linear Dimming



Sports Stadium Luminaire

Elumen introduces the Sports Stadium luminaire for indoor and outdoor sports stadium. Featuring is Opti AC 750 LED driver, LightSpread technology, and its innovative thermal design it yields best in class light, efficiency of over 150 lumens/watt delivered resulting in high energy savings while achieving FIFA class IV and class V.

LED arrays are mounted in an engineered geometry to provide a uniform light spread. An innovative thermal design maximizes radiation and natural convection cooling that allows the LEDs to operate at lower temperatures for extended life.

Lightweight design and versatile mounting system for sports stadium applications.

High Energy Savings

The Elumen Sports Stadium luminaire results in high energy savings compared to traditional HID light sources. This energy conservation is directly related to Light Emitting Diodes technology advancement combined with the innovative way Elumen uses its high efficiency OptiAC™ LED drive. Additional savings are generated with the use of our options: Occupancy Sensor, Linear Dimming, Midnight Dimming and RTC Dimming.

Light Uniformity

In lighting applications, uniformity is more important than absolute intensity. Due to Elumen's unique LED positioning methods, nearly all of the generated light is uniformly distributed over the target area merging perfectly with the adjacent luminaire.

Longevity

The completely sealed casing of the Elumen Sports Stadium minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the OptiAC™ LED drive ensures a uniform photometric output during the life of the product. (LLF=0.95) No need for overlighting an installation to reach the maintained illumination required in the lifespan of the light. The cooling system and smart LED control results in energy optimization and extended life.

Elumen Lighting Networks

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Technical Data

Dimension (L x W x H)

615 mm x 280 mm x 425 mm
24.21 in x 11.02 in x 16.73 in



LED LBSS
Weight: 24.3 lbs (11 kg)

Mechanical

Mecanical Mounting	Multipurpose
Lens	±90 degrees adjustment
Casing	Silicone NEMA 3HX3V to NEMA 6HX6V
Seal	Aluminium powder coated
Operating Temperature	IP 67
Audible noise	-45 °C to 50 °C
CRI, CCT	0 db
Vibrations	>83, 5000 °K, 4500 °K, 4000 °K, 3500 °
Lumens	K ANSI C136.31-2001 for bridges
	80000 (650W) to 150,000 (1000W)

Electrical

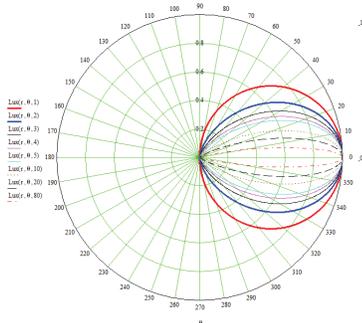
Voltage	100 to 300Vac, 200 to 480 Vac, 50 to 60 Hz
Power Factor	> 0.97 650W, 1000W
Consumption (typical)	EN 61000-4-5.
Transients	EN 61000-4-2.
EMI/ESD/Immunity	

Regulatory Agencies

Canada, USA, European	CSA C22.2 ,UL1598 for wet areas, CE Directives
RoHS	Yes
Life Expectancy	> 150,000 hours of maintenance free operation

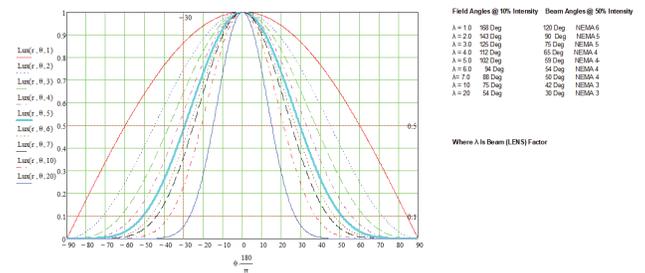
Light Distribution LED LBSS 650W

Polar Candela Distribution



Beam Intensity Plot vs. Angle for NEMA 3 to NEMA 6

LiteBLOCK ILLUMINATION BEAM AS FUNCTION OF A LENS FACTOR



Ordering Example

Series	Color	Power	Color LED	Cable Length	Mounting	LED Driver	Options	Location	Feature
LBSS	N/A	(W)	C	6	SB	C	N	I	N
		650 1000	C=5000 °K D = 4500 °K E = 4000 °K F = 3500 °K	X = Length in feet	SB = Swivel Bracket	C = 100 - 300 Vac D = 200 - 480 Vac	N = No options S = With Occupancy Sensor Input 50% Dimming when no Occupancy T = Embedded Occupancy Sensor R = Real Time Clock (up to 2 periods dimming) L = With AC Linear Dimming Input (10% to 100% intensity) D = 0-10 Vdc Linear Dimming Input (10% to 100% intensity)	I = Indoor O = Outdoor	N = None R = Reflector H = High Output

Elumen reserves the right to change specifications

