

LUMI INDOOR

ABAJO

ABAJO - SPOT LIGHT

SKU: LBT2096-3000K-BLK-38-IP20



KEY SPECIFICATIONS

SPECIFICATION	VALUE
Color Temperature	3000K
Body Finish	Black
Beam Angle	38°
IP Rating	IP20
CRI (Color Rendering Index)	90
Dimension	L150 x W50 x H60mm
Dimming	0-10V
Lumen Output	1200
Wattage	15

PHOTOMETRIC DATA

PARAMETER	VALUE
Luminous Flux (Initial)	1200 lm
Total System Power	15 W
Luminous Efficacy	80 lm/W
Correlated Color Temperature (CCT)	3000K
Color Rendering Index (CRI)	Ra >90

Beam Angle (FWHM)	38°
Light Distribution	Direct
Photometric Files	IES/LDT available on request

ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE
Input Voltage	100-277V AC (Universal)
Frequency	50/60 Hz
Power Factor	>0.90
Total Harmonic Distortion (THD)	<20%
Surge Protection	4kV
LED Driver Type	Integrated Constant Current
Driver Lifetime	L70 @ 50,000hrs
Dimming Protocols	0-10V
Dimming Range	1-100% (smooth, flicker-free)

PHYSICAL SPECIFICATIONS

PARAMETER	VALUE
Dimensions (L x W x H)	L150 x W50 x H60mm
Weight	Contact for specific configuration
Housing Material	Die-cast Aluminum Alloy
Body Finish	Black
Finish Type	Powder coated / Anodized
Lens/Diffuser Material	Tempered Glass / PMMA
Reflector	High-purity Aluminum, >95% reflectance
Optics	Precision-engineered for uniform distribution
Ingress Protection (IP Rating)	IP20
Impact Protection (IK Rating)	IK08

ENVIRONMENTAL & OPERATIONAL

PARAMETER	VALUE
Operating Temperature Range	-20°C to +50°C
Storage Temperature Range	-40°C to +85°C
Operating Humidity	10% to 90% RH, non-condensing
LED Lifetime (L70)	50,000 hours @ 25°C ambient
LED Lifetime (L80)	40,000 hours @ 25°C ambient
LED Lifetime (L90)	25,000 hours @ 25°C ambient
Thermal Management	Passive cooling, optimized heat sink
Maximum Case Temperature (Tc)	85°C

COMPLIANCE & CERTIFICATIONS

STANDARD / CERTIFICATION	STATUS
CE Marking (European Conformity)	Certified
RoHS Directive 2011/65/EU	Compliant

REACH Regulation (EC) No 1907/2006	Compliant
EN 60598-1 (Safety of Luminaires)	Certified
EN 60598-2 (Particular Requirements)	Certified
EN 62471 (Photobiological Safety)	Risk Group 0
LM-79 (Electrical & Photometric)	Tested
LM-80 (LED Lumen Maintenance)	Tested
EMC Directive 2014/30/EU	Compliant
Low Voltage Directive 2014/35/EU	Compliant

WARRANTY & SUPPORT

5-Year Manufacturer Warranty

LUMIBRIGHT guarantees this product against defects in materials and workmanship for five (5) years from date of purchase.

Technical Support

Our technical team is available to assist with installation, configuration, and troubleshooting. Contact: technical@lumibright.com

Documentation Available

- Installation Manual
- IES/LDT Photometric Files
- BIM/Revit Objects
- CAD Drawings (DWG/DXF)
- LM-79 Test Reports
- CE/RoHS Certificates