BLX
Intelligent Linear Luminaire

The BLX luminaire series from Digital Lumens offers performance and reliability across a broad range of industrial and commercial applications. BLX intelligent LED luminaires are an energy-efficient, cost-effective alternative to uncontrolled LED and fluorescent luminaires.

Date: _____

Quantity: _____

Company: _____

Project: _____

Key Features & Benefits

- Lumen output from 8,245 to 8,484 lm
- Efficacy up to 143 lm/W
- Diffuse optic
- Surface or suspension mountable
- Available in 1.2 m (4 ft) length
- IP66 ingress protection
- IK10 impact protection
- Flexible control options
- Lightelligence®, the Digital Lumens core technology that ensures openness, connectivity, and scalability

Digital Lumens' suite of SiteWorx® applications and an array of smart devices can meter your utilities, monitor your entire facility, and observe critical areas. SiteWorx starts delivering meaningful data and actionable insights right out of the box. Now you can make data-informed decisions, spot hidden problems, and take immediate action. All while keeping your people safe and productive and your operation efficient and sustainable.

SiteWorx Tune is an intelligent lighting control application that uses smart sensors and advanced cloud-based software to maximize energy savings, improve productivity, and maintain safe, comfortable light levels. It brings new control and savings to your lighting infrastructure. With SiteWorx Tune, you can stay informed via the Savings dashboard, which displays real-time energy usage and savings data.

Digital Lumens products are designed and manufactured to satisfy the highest quality standards of customers worldwide. Our products deliver performance, reliability, and long life and are supported by a global network of partners and product specialists.

DIGITAL® LUMENS

Specifications

SENSING AND CONTROL

Wireless Networking
- IEEE 802.15.4 Wireless Mesh

Connected IoT Platform
- Lightelligence

Onboard Intelligence
- Energy and fault monitoring
- Protective temperature monitoring and control

Control Capabilities
- On-demand adjustments via mobile and web applications
- kWh and occupancy logging

Dimming
- 0% – 100%, continuous

PERFORMANCE

Power Factor
- 0.9 minimum

Surge Protection
- Per IEC 61547

Wiring
- 3 m (10 ft) leader cable with flying leads

ENVIRONMENTAL

Operating Temperature
- -20˚ – 40˚C (-4˚ – 104˚F)

Maximum Storage Temperature
- 40˚C (104˚F)

Operating Humidity
- 0% – 95% non-condensing

Mechanical Impact
- IK10

PHYSICAL

Luminaire Frame & Power Enclosure
- Matte natural anodized, aluminum extrusion profile and stainless-steel mounting accessories with polycarbonate end-cap

Gasket Material
- Silicone

Optic Material
- Round polycarbonate lens

Optic Option
- Diffuse

Mounting Options
- Surface or suspension mounted

WARRANTY
- 5-Year Limited Warranty

CERTIFICATIONS & SAFETY

Approbation
- CE

Environmental Suitability
- IP66

CE

lightelligence
ready

BLX-D1

Specifications

PERFORMANCE

Length
- 1.2 m (4 ft)

Color Temperature[1]
- 5,000 K
- 4,000 K

Lumen Output (nominal)
- 8,484 lm (5,000 K)
- 8,245 lm (4,000 K)

Power Consumption
- 59 W

Efficacy[2]
- 143 lm/W (5,000 K)
- 139 lm/W (4,000 K)

CRI
- 80 minimum, 82 typical

Input Voltage
- 220 – 240 VAC, 50/60 Hz

PHYSICAL

Dimensions (H x W x D)
- With Cable Gland
  92 x 1,228 x 71 mm (3.6 x 48.3 x 2.8 inch)
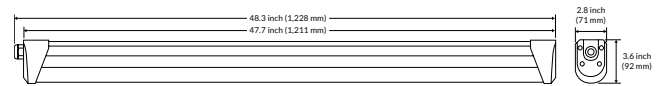- Without Cable Gland
  92 x 1,211 x 71 mm (3.6 x 47.7 x 2.8 inch)

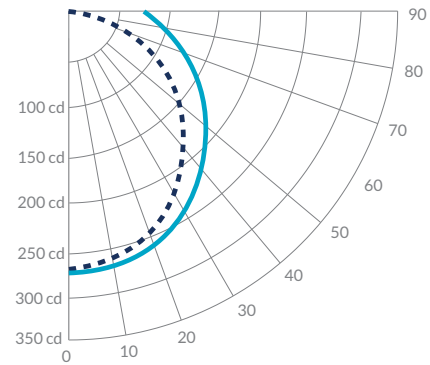**Weight**
- 3.3 kg (11.7 lbs)

LUMEN MAINTENANCE[3]

	B10
L_{80}	80,000
L_{70}	130,000

Dimensions

Polar Candela Distribution

Diffuse

Footnotes:

[1] Nominal CCT, as defined by ANSI C78.377-2008.
[2] Efficacy is based on 5000 K nominal.
[3] LM-79, LM-80 tests and reports are performed in accordance to IESNA standards, per TM-21. Lumen maintenance calculated in hours (L70 via TM-21) based on continuous operation.

Ordering Information

The table below provides guidelines for encoding item numbers when ordering BLX luminaires. Select a luminaire type (lumen output), voltage, optic, and CRI/CCT, and then use the hyphenated character codes to build a part number.

Note: For short/standard lead times, select options in **bold**.

BLX

Luminaire	Type	Voltage	Optic	CRI/CCT
BLX	**-D1**	**-CE** 220 – 240 VAC	**-D** (Diffuse)	**SCN-CLM Enabled** **-840** 80 CRI/82 TYP 4,000 K **-850** 80 CRI/82 TYP 5,000 K

Luminaire/Control Schematic

Luminaires can be installed and wired in a multi-luminaire run, or as standalone units. Each BLX luminaire has wireless control built in and can be coordinated to a standalone SCN/DLA. Each SCN/DLA can control a single or a group of BLX luminaires providing flexible control options through coordinated control via the SiteWorx Tune Application.