

# EFL-B



## DESCRIPTION

The EFL-B floodlights offer premium quality, exceptional 158 lm/W efficiency and a 210-320 W power range. Designed for durability, they feature C5 corrosion resistance and a robust aluminum housing, ensuring reliable performance in harsh conditions. With a 100,000-hour lifespan and EPD certification, EFL-B floodlights provide a sustainable, low-maintenance lighting solution for large-scale outdoor and industrial applications.

## APPLICATIONS

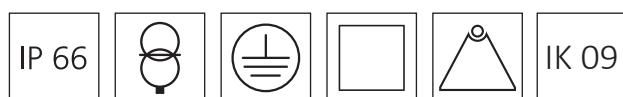
The EFL-B floodlights excel in providing powerful and reliable illumination in airports, seaports, parking lots, playgrounds, stadiums, tunnels and underground passages, large warehouses and industrial areas.

## BENEFITS

- Reliable producer:** Designed, developed and manufactured by ENIM, a trusted EU producer.
- Certified Quality:** CE, CB, RoHS and EPD certifications ensure compliance with all EU quality standards for floodlights.
- Exceptional Efficiency:** Delivers powerful performance with a 210-320 W power range and an impressive efficiency of up to 158 lm/W.
- Adaptable Optics:** Choose from 30°, 60°, 90° or asymmetric optics for precise and efficient lighting.
- Corrosion Resistance:** C5 corrosion resistance class, ensuring durability in harsh environments.
- Impressive Stability Ratings:** The IP66 rating provides complete protection against dust and powerful water jets, while the IK09 rating guarantees impact resistance up to 10 joules.
- Durable materials:** A low-profile, powder-coated cast aluminum housing, tempered glass optical cover with stainless steel holders.
- Engineered for Longevity:** Designed to last 100,000 hours (L95 B10).
- Easy Installation:** The product is completely ready for installation.
- Sustainability:** EPD certification ensures low carbon emissions and eco-friendly materials.



## TECHNICAL INFORMATION:



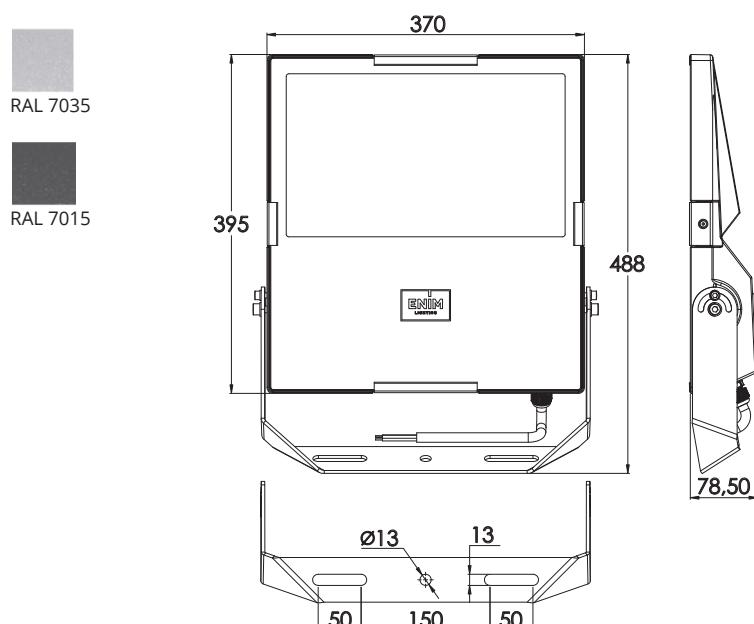
<b>ELECTRICAL</b>	<b>V</b>	Input voltage	198V- 264VAC, 176V – 280 VDC 90V-305VAC, 127V - 300 VDC
	<b>Hz</b>	Rated voltage	50-60 Hz
	<b>W</b>	Luminaire wattage	210-320
	<b>Cosφ</b>	Power factor	≥ 0.95
<b>OPTICAL</b>	<b>Lm</b>	Luminous flux	26933-46720
	<b>Lm/W</b>	Luminous efficacy	Up to 158
	<b>K</b>	Color temperature	3000/4000/5000
	<b>C°</b>	Performance temperature	- 40 °C ≤ Ta ≤ + 50 °C
	<b>CRI</b>	Color rendering index	≥70

Number of LED's	4X18			5X12			6X12						
<b>Power, W</b>	210	220	220	230	240	250	260	270	280	290	300	310	320
<b>Luminous Flux, Lm</b>	26880-31290	28160-32120	30140-32560	31740-34040	32640-35280	34000-36500	21280-37700	36180-38880	36960-40040	38280-41180	39300-42300	40300-43400	41600-43840
<b>Efficacy, Lm/W</b>	128-149	128-146	137-148	138-148	136-147	136-146	133-145	134-144	132-143	132-142	131-141	130-140	130-137

Number of LED's	6X18									
<b>Power, W</b>	230	240	250	260	270	280	290	300	310	320
<b>Luminous Flux, Lm</b>	31510-36340	32640-37440	34000-38500	34840-40040	35640-41040	36680-42000	37700-43210	39000-44400	39680-45570	40320-46720
<b>Efficacy, Lm/W</b>	137-158	136-156	136-154	134-154	132-152	131-150	130-149	130-148	128-147	126-146

Chromatic tolerance (original MacAdam) Not higher than 5  
Life expectancy L/B L95 B10 by 100000 hrs (Ta = 25 °C)

<b>HOUSING</b>	<b>Size</b>	370 mm x 395 mm x 78.5 mm
	<b>Weight</b>	Max 9,6 kg
	<b>Body material</b>	Heat sink: Cast aluminum, painted
	<b>Protection</b>	IK09
	<b>Installation</b>	Adjustable bracket: angle -90° + 90°



**OPTICS**

<b>Optical cover</b>	Tempered Glass
<b>Light source</b>	Power LED
<b>Optics type</b>	30, 60, 90 degrees, Asymmetric
<b>Maintenance</b>	Optical module sealed for life No internal cleaning required

**DRIVER**

<b>Input voltage</b>	198V- 264VAC, 176V – 280 VDC 90V-305VAC, 127V - 300 VDC
<b>Intelligent temperature Guard (ITG)</b>	The intelligent temperature guard protects the LED driver from thermal overheating by reducing the output power or switching off in case of operation above the thermal limits of the luminaire or ballast
<b>Overvoltage with a variable surge protection</b>	N/L – 6kV, P/(N/L) – 10kV
<b>Interfaces</b>	DALI-2, D4i, Multiple Timers (dimming), 0-10V, PWM

**REMARKS**

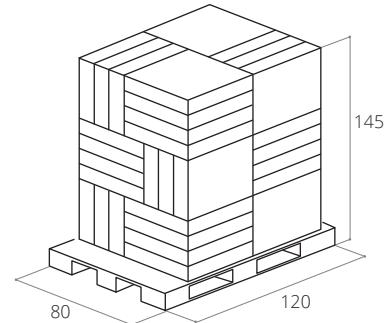
CLO	The light output of an LED module reduces over the course of its lifetime. The Constant Light Output (CLO) function compensates for this natural decline by constantly increasing the output current of the LED driver throughout its lifetime
Power factor (Cosφ)	≥ 0.95
Recommended mounting height	Up to 15 m
	Luminaires are ready to install

**LOGISTIC DETAILS:**

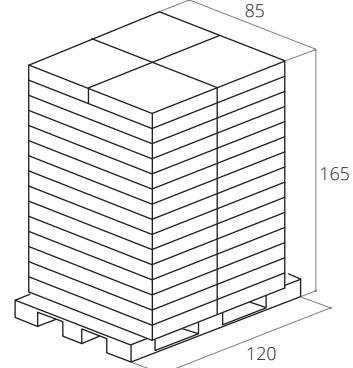
	<b>Full pallet size/cm L*W*H</b>	<b>Number of luminaires per row</b>	<b>Maximum number of rows on the pallet</b>	<b>QTY per pallet/pcs</b>
I	120 X 80 X 145	14	3	42
II	120 X 85 X 165	4	15	60

	<b>Kg per pallet</b>	<b>Volume per pallet</b>	<b>LDM (loading meters), m</b>
	<b>Net</b>	<b>Gross</b>	
I	403.2	420.4	1.392 m <sup>3</sup>
II	576	595	1.683 m <sup>3</sup>

Remarks: Standard pallet size (L\*W)/cm: 120 X 80.



I. Standard pallet



II. Exceeds the dimensions of a standard pallet