



Professional LED Flood Lighting

LFL-B2 Series: High performance floods in 20W, 30W, 50W, 80W, 100W, 150W & 200W models

The ENSA™ LFL-B2 series of high-power LED flood lights delivers exceptional lighting performance in a robust, weather resistant package. Available in 20W, 30W, 50W, 80W, 100W, 150W and 200W models with a wide 120° beam angle.

Ideal for general purpose lighting in commercial and industrial environments including parking lots, building sites, security lighting, sporting fields, signage and more. LFL-B series floods feature a slim, lightweight design with a U-shape adjustable bracket, making them easy to mount. Each light sports a powder coated, IP65 rated, aluminium body and heatsink for excellent thermal conductivity, a tempered glass front for superior light transmittance & UV resistant ASA plastic bolt caps.

- High luminous efficacy LED flood lighting (150lm/W)
- Available in 3000K warm & 5000K cool white colour temp.
- Wide 120° beam angle, ideal for general purpose lighting
- High performance Lumiled LEDs & Mean Well driver
- IP65 weather resistant, suitable for outdoor applications
- 180° adjustable two-point fastened mounting bracket

Series Specifications

Model	LFL-B20-C2/W2	LFL-B30-C2/W2	LFL-B50-C2/W2	LFL-B80-C2	LFL-B100-C2	LFL-B150-C2	LFL-B200-C2
Product Image							
Series Name	LFL-B2 Series Commercial LED Flood Lights						
Optical							
Luminous Flux	3000lm	4500lm	7500lm	12000lm	15000lm	22500lm	30000lm
Luminous Efficacy	150lm/W						
Colour Temperature	3000K (warm white) / 5000K (cool white)						
Colour Rendering Index	> 70						
Beam Angle	120°						
Light Decay	<3% at 6,000 hours						
Rated Lifespan	50,000 hours						
Electrical							
Power Consumption	20W	30W	50W	80W	100W	150W	200W
Input Voltage	100 ~ 240VAC						
Dimmable	N/A						
General							
Ingress Protection	IP65						
Plug / Socket / Base	3-pin AC plug						
Reflector / Diffuser	Aluminium reflector / glass front						
Housing Adjustments	180° adjustable housing						
Operating Environment	-30° ~ 50°C						
Dimensions	216 x 152 x 40mm	226 x 167 x 40mm	310 x 220 x 50mm	354 x 245 x 55mm	402 x 295 x 60mm	430 x 330 x 60mm	470 x 360 x 60mm
Weight	0.78kg	1.10kg	2.10kg	3.70kg	4.70kg	N/A	7.12kg
Photometry							
Illuminance at a Distance	 Centre Beam Avg (lx) Beam Diameter (m) 5m: 39 13.22 10m: 10 26.44 15m: 4 39.66 20m: 2 52.88 25m: 1 66.11		 Centre Beam Avg (lx) Beam Diameter (m) 5m: 82 13.28 10m: 20 26.56 15m: 9 39.84 20m: 5 53.12 25m: 3 66.40		 Centre Beam Avg (lx) Beam Diameter (m) 10m: 41 27.19 20m: 10 54.39 30m: 5 81.59 40m: 3 108.87 50m: 2 135.98		
	LFL-B50-C2 (50W, cool white)		LFL-B100-C2 (100W, cool white)		LFL-B200-C2 (200W, cool white)		
Luminous Light Distribution	 Units: cd 0 ~ 180° 90 ~ 270° 600, 1200, 1800, 2400, 3000		 Units: cd 0 ~ 180° 90 ~ 270° 1300, 2600, 3900, 5200, 6500		 Units: cd 0 ~ 180° 90 ~ 270° 2400, 4800, 7200, 9600, 12000		
	LFL-B50-C2 (50W, cool white)		LFL-B100-C2 (100W, cool white)		LFL-B200-C2 (200W, cool white)		

Ordering Information

Type	Series	Wattage	Colour Temperature	Series		
LFL	-	B	20 ~ 200 (20W ~ 200W)	-	C (Cool white) W (Warm white*)	2 Series 2
LFL-B100-C2: 100W LED Flood Light in Cool White						

Your local ENSA™ lighting solutions professional: