



2023

SPECIFICATION

V6B LED FLOOD LIGHT



12 years experience of LED industrial light

L80 exceeds **100,000** hours



LEPOWER

V6B series LED modular flood light are ultimate replacement light fixtures.

Has been developed to ensure maximum energy efficiency in combination with modern technologies in LED lighting innovation.





Main Features

- High pressure die-cast aluminum alloy housing.
- Anti-corrosion with electrophoresis process.
- High performance design with multi-chips package 5050 LED source and exclusive Lens to stable performance, low light failure and NO dead lights.
- The light transmittance up to 98%. Luminous efficacy up to 170-180lm/w.
- 25°, 40°, 60°, 90°, 145x100°, Type V for option, Uniform light distribution apply to different industrial light project.
- Excellent operating temperature -40°C ~ 50°C
- 100° adjusted angle available for outdoor & indoor lighting application.
- Green product, no UV, IR radiation or mercury pollution Passed IEC62471.
- With excellent housing design reach IP66/IK10 rating.
- Installation method is option by wall mounted & pole mounted
- 0-10V, DALI system, Microwave motion upon request.
- ISO9001, ISO14001, CB, IK10, IP66, LM-80 approved.
- Life-span over 50,000 hours, 5 years warranty.

Parameters

Electric Data

Model	LY-HB06B02-60-A LY-HB06B02-60-B LY-HB06B02-70-A LY-HB06B02-70-B LY-HB06B02-80-A LY-HB06B02-80-B LY-HB06B02-90-A LY-HB06B02-90-B LY-HB06B02-100-A LY-HB06B02-100-B							
	LY-HB06B01-50-A LY-HB06B01-50-B		LY-HB06B03-150-A LY-HB06B03-150-B	LY-HB06B04-200-A LY-HB06B04-200-B	LY-HB06B05-250-A LY-HB06B05-250-B	LY-HB06B06-300-A LY-HB06B06-300-B	LY-HB06B08-400-A LY-HB06B08-400-B	LY-HB06B10-500-A LY-HB06B10-500-B
Power	50W	60W-100W	150W	200W	250W	300W	400W	500W
Power Efficiency	88%	90%	90%	90%	90%	90%	90%	90%
Power Factor	>0.95							
Power Supply	MOSO/INVENTRONICS							
Working Voltage	90-305V AC, 50/60Hz							
Protection Class	EN-60598 I or II (optional)							

Photometric Specifications

LEDs	5050 LED							
CRI	>70(>80,>90 optional)							
Luminous Efficiency	175±5 lm/w							
LEDs Qty	28pcs	56pcs	84pcs	112pcs	140pcs	168pcs	224pcs	280pcs
Luminous Flux(±5%)	8750lm	10500-17500lm	26250lm	35000lm	43750lm	52500lm	70000lm	87500lm
CCT	3000K/4000K/5000K/6000K							
Beam angle	25°/40°/60°/90°/145x100°/Type V							

Mechanical Specifications

IP/IK Rate	IP66/IK10							
Lifespan	>50,000 Hours							
Inclination Angle	100°							
Housing Material	Aluminum6063-T5							
Lens Material	PC							
N.W.(KG)	2.2	3.6	4.0	5.0	6.0	9	11	13
Light size (mm)	260x85x174	260x168x174	260x260x174	260x350x174	440x260x174	520x260x174	520x360x174	520x440x174
Packing Dimension (mm)	310x285x150	330x310x150	310x310x150	400x310x175	490x310x170	570x310x210	570x400x210	570x490x210
Working Temperature	-40°C~50°C, 20%~90% RH							
Storage Temperature	-45°C~55°C, 10%~90% RH							



External Design Features



Product Details

Module IP66 Whole Lamp

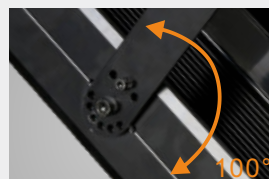
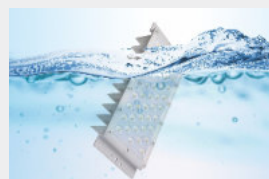
100% pure aluminum
heat sink, excellent heat
dissipation

Robust structure, painted
in Electrophoresis
process

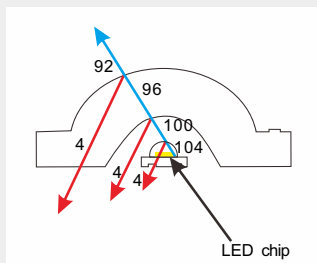
IP66 grade (corrosion-proof,
water-proof and dust-proof),
IK10 impact grade

Optics lens in 25°, 40°, 60°, 90°, 145° x 100°, Type V
to satisfy different requirement

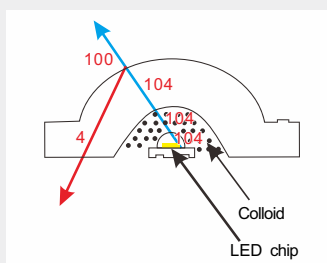
USA Bridgelux 5050 LED system
efficiency up to 160lm/w



High efficiency



Normal Distribution Lens



Zero-Air Tech Lens



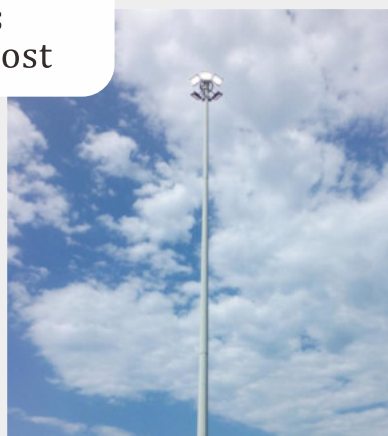
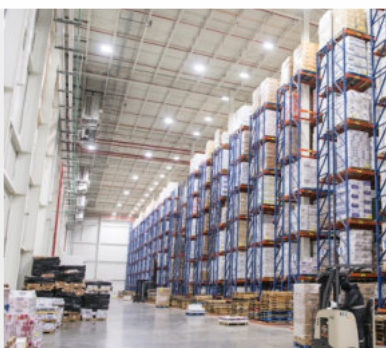
Adoption of Lepower developed "Adaptable Colloid Tech" to achieve "Zero air" space between LED and Lens, make up the loss of light reflected. Light transmittance >98%

Case Study

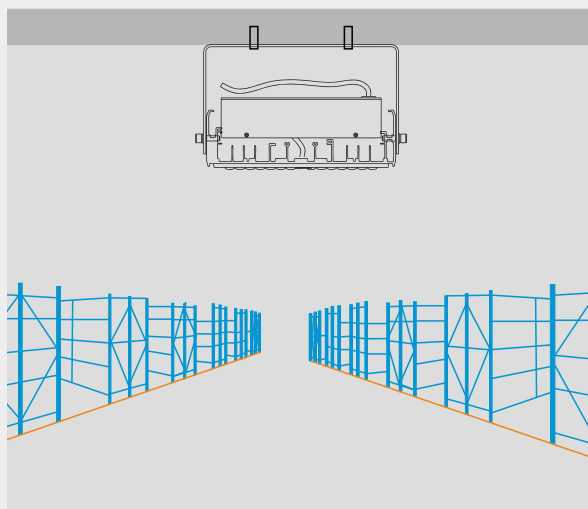
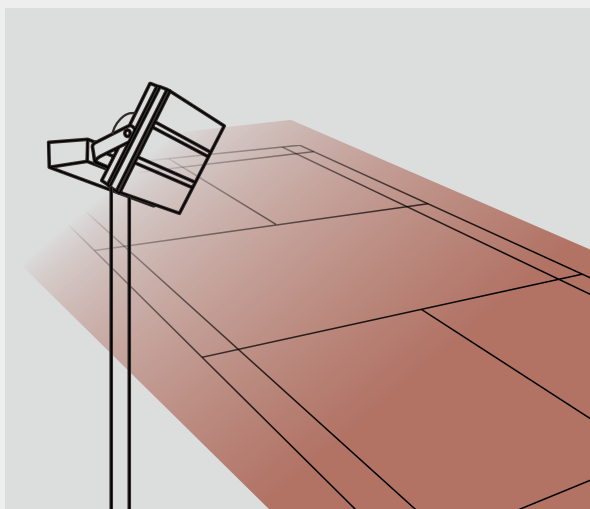
V6B LED flood lamp applied for Outdoor & Industrial lighting application.



One solution for more than
6 different applications
saving your targets & cost

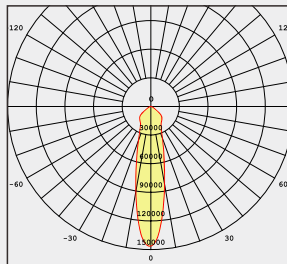


Installation



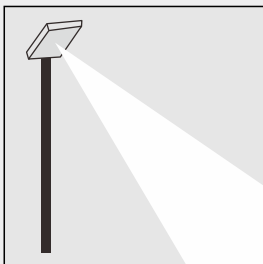
Distribution Curve

25°

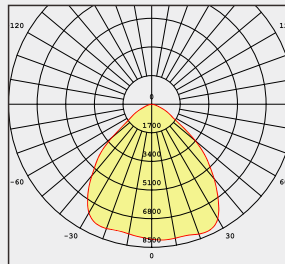


AVERAGE BEAM ANGLE (50%):24.0 DEG

UNIT:cd
 — C0/180,23.9°
 — C90/270,24.2°

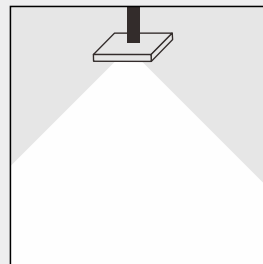


90°

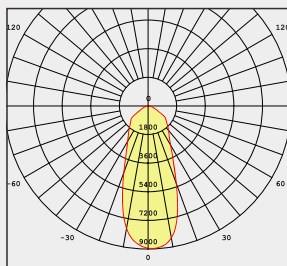


AVERAGE BEAM ANGLE (50%):91.4 DEG

UNIT:cd
 — C0/180,93.0°
 — C90/270,89.8°

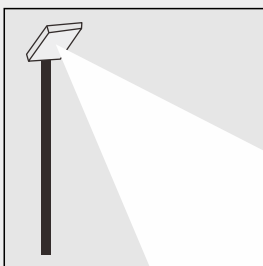


40°

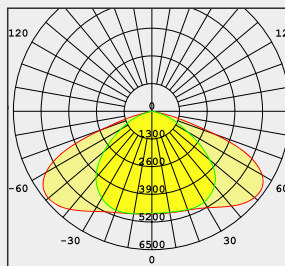


AVERAGE BEAM ANGLE (50%):42.9 DEG

UNIT:cd
 — C0/180,42.1°
 — C90/270,43.6°

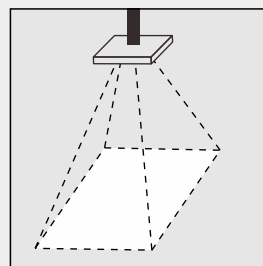


145°X100°

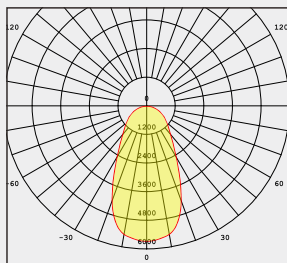


AVERAGE BEAM ANGLE (50%):124.0 DEG

UNIT:cd
 — C0/180,143.4°
 — C90/270,97.2°

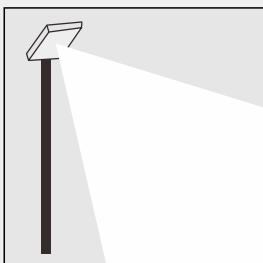


60°

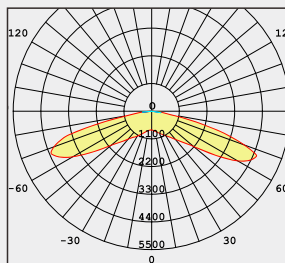


AVERAGE BEAM ANGLE (50%):57.3 DEG

UNIT:cd
 — C0/180,57.9°
 — C90/270,56.6°

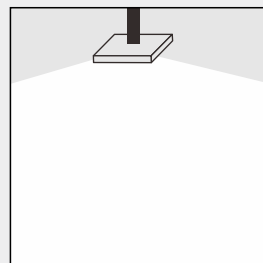


TYPE V

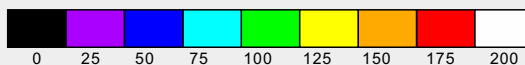
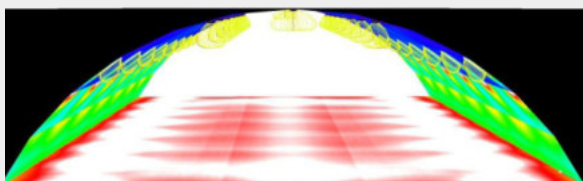
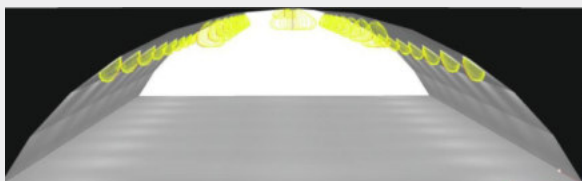


AVERAGE BEAM ANGLE (50%):166.0 DEG

UNIT:cd
 — C0/180,166.8°
 — C90/270,164.1°

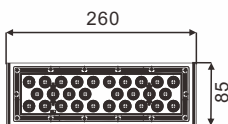


Dialux

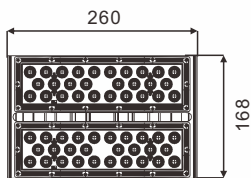


Dimension(mm)

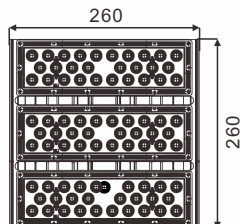
LY-HB06B01-50-A
LY-HB06B01-50-B



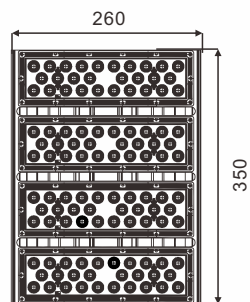
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LY-HB06B02-60-B LY-HB06B02-70-B
LY-HB06B02-80-A LY-HB06B02-90-A
LY-HB06B02-80-B LY-HB06B02-90-B
LY-HB06B02-100-A
LY-HB06B02-100-B



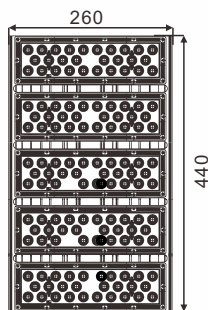
LY-HB06B03-150-A
LY-HB06B03-150-B



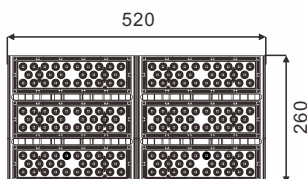
LY-HB06B04-200-A
LY-HB06B04-200-B



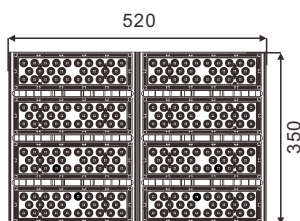
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LY-HB06B05-250-B



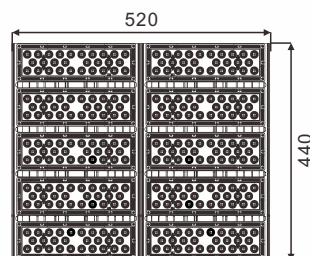
LY-HB06B06-300-A
LY-HB06B06-300-B



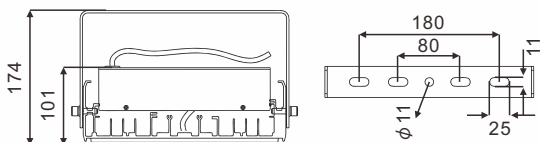
LY-HB06B08-400-A
LY-HB06B08-400-B



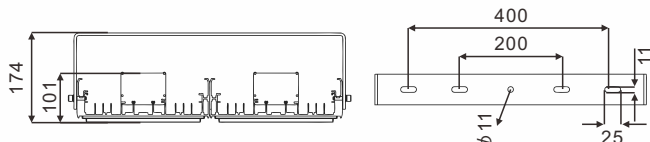
LY-HB06B10-500-A
LY-HB06B10-500-B



50W-250W

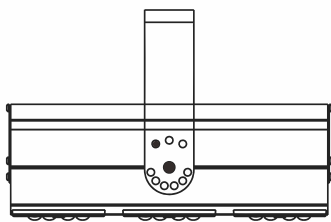


300W-500W



Bracket Optional

Type A



Type B

