

# **LED RECHARGEABLE POWER LIGHTS**



# INTRODUCTION

The LED Rechargeable Power Lights are available in 10W, 20W & 40W versions, offering up to 4000lm light output. The range is available with either two 22.2V batteries or two 7.4V batteries delivering runtime of up to 14 hours from a 3-4 hour charge time per battery. The range offers a discharging battery indicator with indicator lights that turn off one by one during discharge. The Power Lights have a quick release for the adjustable head and an adjustable tripod fixed wing screw and offers multiple brightness options of 50% and 100%.

**JCB-PL10**



**JCB-PL20**



**JCB-PLT20**



**JCB-PLT40**



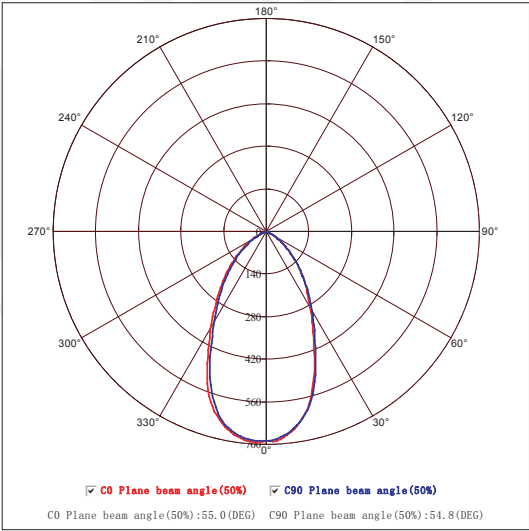
## SPECIFICATION

	JCB-PL10	JCB-PL20	JCB-PLT20	JCB-PLT40
Power Output	10W	20W	20W	40W
Lumen Output	800lm	1500lm	2000lm	4000lm
Beam Angle	60°			
IP Rating	IP65			
Charge Time	3-4 hours / battery			
Run Time	5-6 Hours / 1 Battery 10-11 Hours / 2 Batteries	3 Hours / 1 Battery 5-6 Hours / 2 Batteries	6-7 Hours / 1 Battery 12-14 Hours / 2 Batteries	3-3.5 Hours / 1 Battery 6-7 Hours / 2 Batteries
Input Voltage	100-240V, 50Hz			
Material	Iron Stand, Aluminium Alloy & Rubber Coated Head, PC Lens, 4mm Tempered Glass			
LED	1 x 1616 COB Chip	2 x 1616 COB Chip	2 x 1616 COB Chip	4 x 1616 COB Chip
CRI	70Ra			
Power Factor	0.9			
Colour Temp	6500K			
IK Rating	IK09			
Life Expectancy	20,000 Hours			
Working Temp.	-10°C - 40°C			
Battery	2 x 7.4V 4.4Ah	2 x 7.4V 4.4Ah	2 x 22.2V 4.4Ah	2 x 22.2V 4.4Ah
PCB Protection	Charging / Discharging Protection		Charging / Discharging / High Temperature (70°C) Protection	
Battery Indicator	5 Level Indicator – Green/Green/Green/Amber/Red			
Dimensions	L184 x W156 x H224mm		L234 x W178 x H284mm	
Charger	12V, 1A		25.2V, 2A	
Weight	1.9Kg		3.9Kg	
Features	<ul style="list-style-type: none"><li>• Battery indicator lights will turn off one by one during discharge</li><li>• When the red indicator light flashes the capacity is less than 5%</li><li>• USB output option</li><li>• Quick release function for adjustable head</li><li>• M10 nut for fixing onto a tripod</li><li>• Li-Ion battery with 100% / 50% / Off switch</li></ul>			

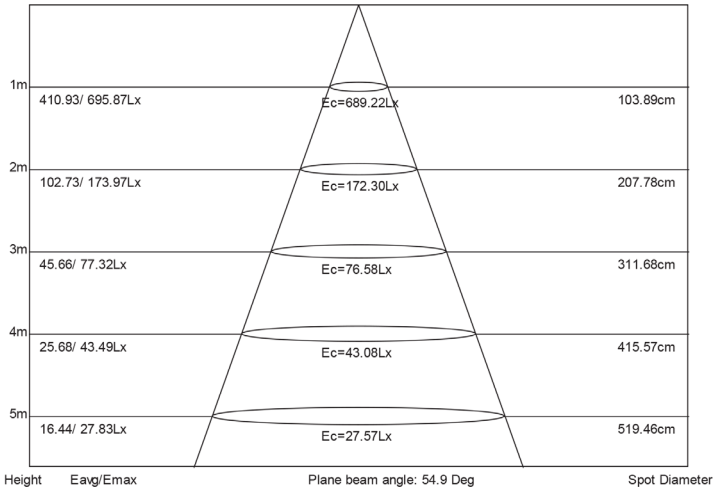


JCB-PL10

PLANAR INTENSITY DISTRIBUTION CURVE

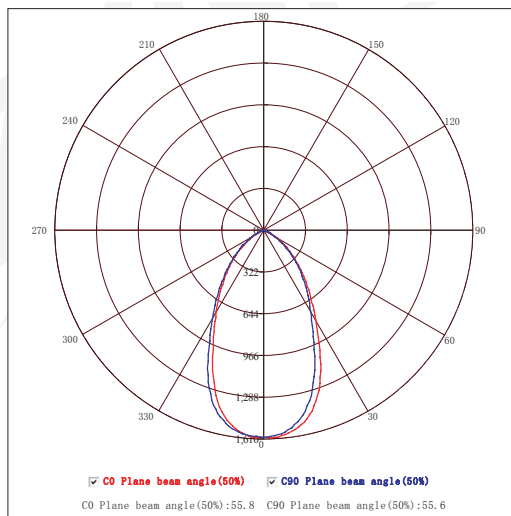


AVERAGE ILLUMINATION

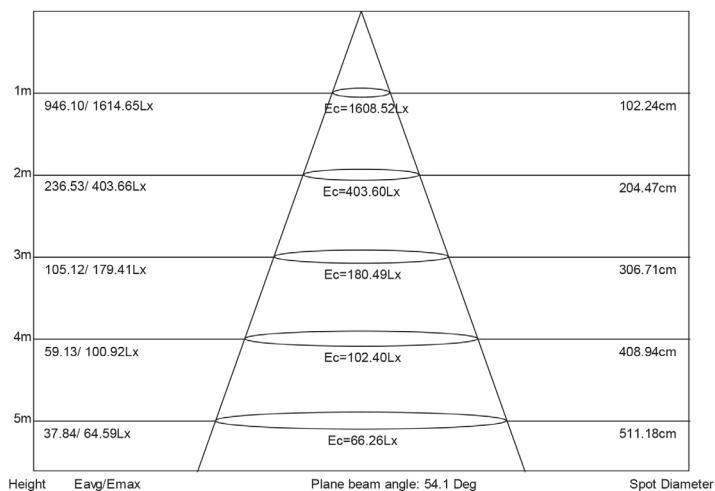


# JCB-PL20

## PLANAR INTENSITY DISTRIBUTION CURVE

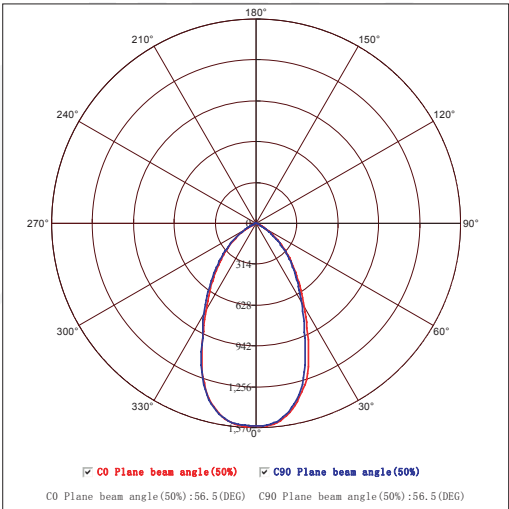


## AVERAGE ILLUMINATION

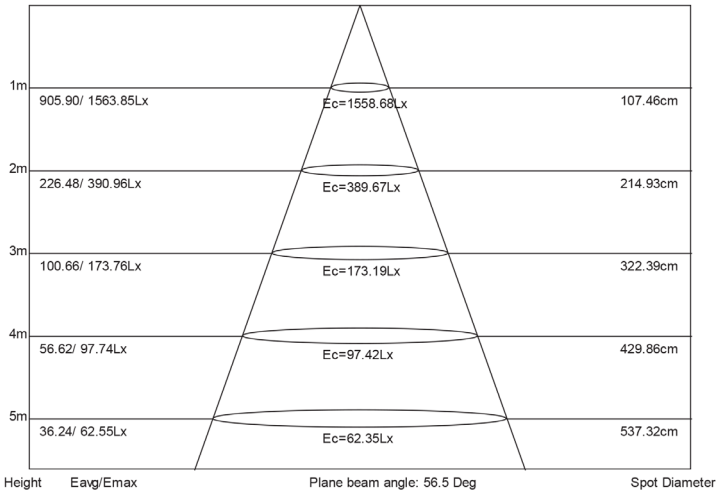


# JCB-PLT20

PLANAR INTENSITY DISTRIBUTION CURVE

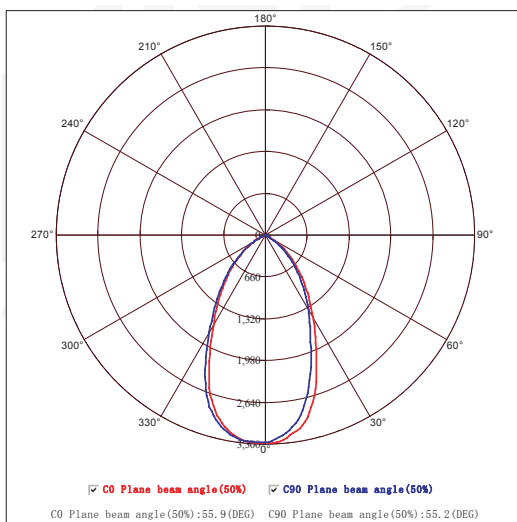


AVERAGE ILLUMINATION

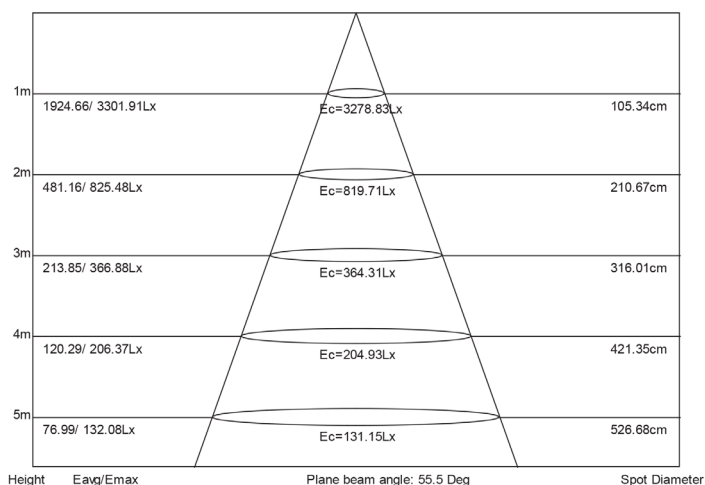


# JCB-PLT40

## PLANAR INTENSITY DISTRIBUTION CURVE



## AVERAGE ILLUMINATION



## SAFETY NOTICE

Prior to use carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk.

### GENERAL

Ensure the worklight is correctly charged before initial use

DO NOT cover or block the lens during use

DO NOT shine the product directly into the eyes of people or animals

DO NOT allow children to use the worklight

DO NOT handle or move the worklight while it is being charged

DO NOT use the worklight if you suspect the battery or casing is damaged

DO NOT place the product in or near naked flames

DO NOT open the equipment or touch any of the internal parts

Ensure replacement batteries are genuine batteries of the same rating

Ensure the worklight is unplugged and allow to cool before attempting cleaning & maintenance

### BATTERY

**WARNING!** To reduce the risk of fire or burns:

DO NOT attempt to open, disassemble, modify or service the battery

DO NOT expose to temperatures above 40°C

DO NOT crush, puncture, short external contacts or dispose of in fire or water

DO NOT dispose of with regular waste - dispose of the old batteries in accordance with local authority battery regulations

DO NOT cover the battery while charging

Ensure the charger is switched off and disconnected from the worklight before attempting to open the lamp unit

Replace only with the batteries designated for this product

If the electrolyte in the cells comes into contact with the skin, wash thoroughly with soap and water

If the electrolyte in the cells comes into contact with the eyes, rinse thoroughly with cold water and seek immediate medical attention



# SAFETY NOTICE

## ELECTRICAL

**WARNING!** It is the user's responsibility to read, understand and comply with the following electrical instructions:

Ensure the risk of electrical shock is minimised by the installation of appropriate safety devices

Inspect the charger plug, cable and connection for wear and damage to ensure the items are safe before connecting to the mains power supply

DO NOT use if worn or damaged

Check cables are always protected against short circuit and overload

**IMPORTANT!** Check that the voltage marked on the charger plug is the same as the power supply to be used

Uncoil the cable between charger and the worklight

DO NOT use any other type of charger with this product

DO NOT place the connector into any area of the worklight except the correct inlet socket

DO NOT try to take the charger plug apart

DO NOT use the charger plug to charge or power any other electrical items

DO NOT wet the charger or use in wet or damp conditions (indoor use only)



## OPERATION

**CHARGING WARNING!** Ensure that you read and fully understand the safety instruction before use

Charge the batteries before use

**IMPORTANT!** Ensure the worklight is turned OFF while charging. Failure to do so will damage the charger plug/vehicle plug

Connect the charging plug into the charging socket located on the rear of worklight

Connect the 230V charger or 12-24V DC charger to a power supply

The LED battery indicator will flash whilst charging and remain constant when fully charged

Disconnect the charger from the worklight when it is fully charged and replace the dust cap

DO NOT shine the product directly into the eyes of people or animals

## MAINTENANCE & STORAGE

When not in use store the product in a safe, clean, dry environment out of the reach of children

Keep the worklight clean from dirt and grease using a damp cloth

DO NOT submerge in water

DO NOT clean the worklight with solvents

Check the product for damage before each use

## GUARANTEE

This product is guaranteed against manufacturing defects for a period of 3 years from the date of purchase.

Repair or replacement of products will be undertaken providing that:

- The product has been subject to fair wear and tear only
- The product has not been subject to accidental or cosmetic damage
- The product has not been misused and has been used only in accordance with the instruction manual provided
- The product has not been subject to insufficient servicing and maintenance
- The product has not been subject to any abnormal environmental conditions or inappropriate operating conditions
- Repairs have not been attempted by an unauthorised person and no modifications have been made to the product

The guarantee excludes the following (where relevant):

- Components normally subject to wear and tear
- Batteries and chargers

Your statutory rights are not affected.

We reserve the right to alter specifications without prior notice.

**WE WILL NOT BE LIABLE FOR ANY INJURIES OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT**



## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.