

LIGHTING

AC RANGE CATALOGUE

LED LIGHTING

- BUILDING EXTERIOR
- WAREHOUSE
- CARPARK
- LARGE AREA FLOOD
- MARITIME
- STREET



DELIVERING HI-TECH LIGHTING SOLUTIONS

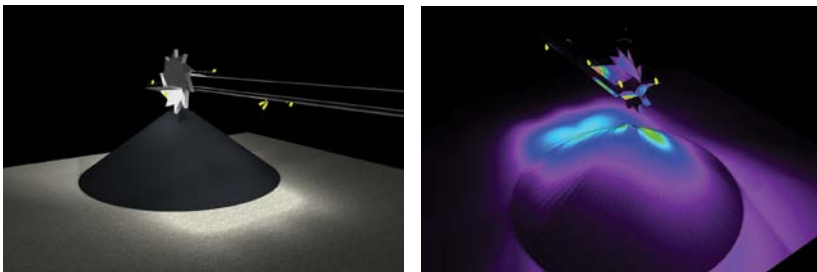
Flo-Tec Limited combines leading technology brands with innovative thinking to drive market growth.

When Flo-Tec Limited prepare a lighting solution for your business or work site, it is done utilising sophisticated 3D CAD software to create an accurate simulation.

Our engineers have the complete range of JW Speaker LED lighting specifications programmed into 3D Simulation Software, so that once your work site environment is created, they are able to design a lighting solution that is precise and accurate.

The lighting simulation means we are able to predict exactly how a particular light unit will perform and how effective it will be.

This process is a free consultation provided by Flo-Tec Limited with the aim of ensuring the optimal lighting solution is designed and implemented.



CONSULTATION

Every work environment is different, and a lot of factors must be considered when selecting an optimal light source.

Does it require a short intense spread of light, or a wider pattern. Is CRI or colour temperature required and do you require EMI protection.



IP Ratings What do they mean?

The first number of the IP code indicates the degree of protection against solid foreign bodies such as dust intruding into an enclosure. The second number indicates the degree of protection for the equipment inside the enclosure against the harmful entry of various forms of moisture (e.g. dripping, spraying, submersion, etc.) For general outdoor use, IP65 is sufficient to withstand the effects of wind and rain.

First Number

- 0 No protection provided.
- 1 Protection against entry of objects larger than 50 square mm.
- 2 Protection against entry of objects larger than 12 square mm.
- 3 Protection against entry of objects larger than 2.5 square mm.
- 4 Protection against entry of objects larger than 1.0 square mm.
- 5 Protection against entry of dust in sufficient quantity to prevent satisfactory operation.
- 6 Complete protection against entry of dust.



Second Number

- 0 No protection provided.
- 1 Protection against drops of water falling vertically.
- 2 Protection against drops of water falling vertically when the luminaire is tilted up to 15 degrees from its normal position.
- 3 Protection from entry of water spray from angle of up to 60 degrees from vertical.
- 4 Protection from entry of water splashes or spray from any direction.
- 5 Protection from a low pressure jet of water in any direction.
- 6 Protection against heavy seas or a strong jet of water in any direction.
- 7 Protection against immersion up to 1 metre.
- 8 Protection against submersion over 1 metre.
- 9 Protection against close-range high pressure, high temperature spray downs.

CRI Colour Rendering Index

CRI or Colour Rendering Index refers to the ability of a light source to show the true colours of an object relative to their natural colour in daylight. CRI is measured on a scale from 0 to 100, with 100 representing true colour. High CRI ratings are incredibly important for industries that rely on true colour such as fruit plantations, vehicle painting and even the medical industry.

CRI Example

As shown in these images, a higher CRI rating of 90 shows vibrant and clear colour compared to the image on the far left which has a rating of 30. The amount of light shining on the objects is the same, but the difference in CRI rating means one image is dull and lacking in true colour and the other is vibrant and closer to daylight representation.



Lower CRI rating



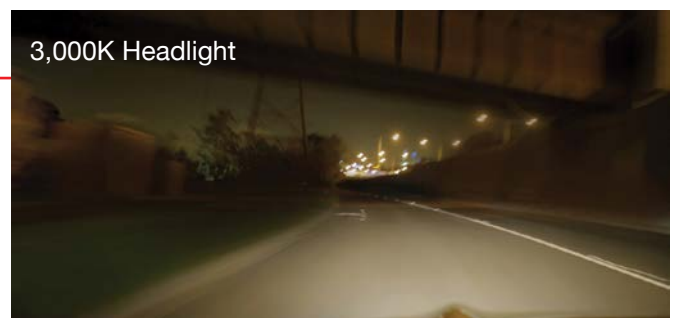
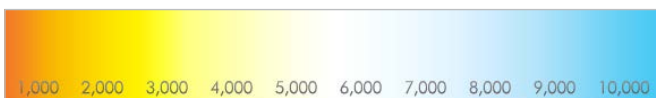
Higher CRI rating

Colour Temperature (K)

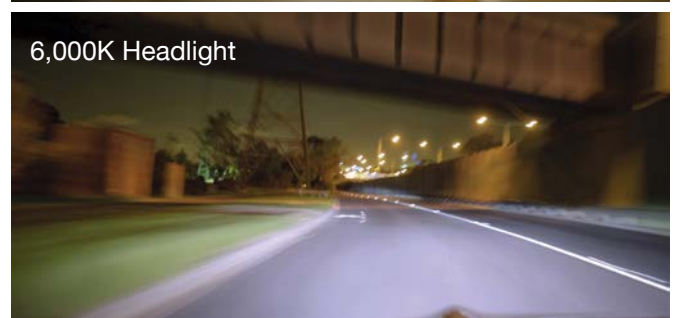
Colour Temperature or Kelvin (K) Rating refers to the colour of a light source in reference to the Kelvin scale. K Rating is often confused with a light's intensity but the two are very different.

Commercial lighting often varies between 3,000K and 6,000K depending on the application. With 5000K considered daylight, many LED manufacturers aim for colour temperatures that offer a more natural looking light.

The difference between 3000K and 6000K is dramatic as highlighted in the images to the right. The 3000K product is much warmer looking compared to the cooler 6000K.



3,000K Headlight

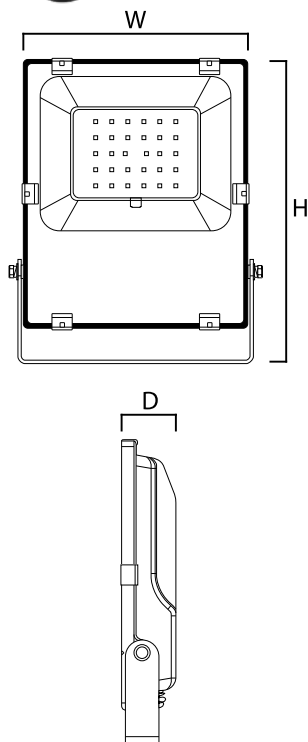


6,000K Headlight

Model SF

10W–200W

Slimline LED Flood Light Range



PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 100 - 240 V
Power Factor:	> 0.92
Lm Efficiency:	110 - 125 Lm/w
Colour:	6000K - Variations available via special order
Beam Angle:	110° Round
IP Rating:	IP65
Housing:	Black Die-Cast Aluminium
Lens:	Hardened Glass
Wiring:	2 Metre Insulated Cable
Driver:	MeanWell
CRI:	Ra > 75
Warranty:	5 Years
Certification:	SAA, C-tick, CE, RoHS, LM-80-08, TM-21-11, LM79-08, UL, cUL, TUV



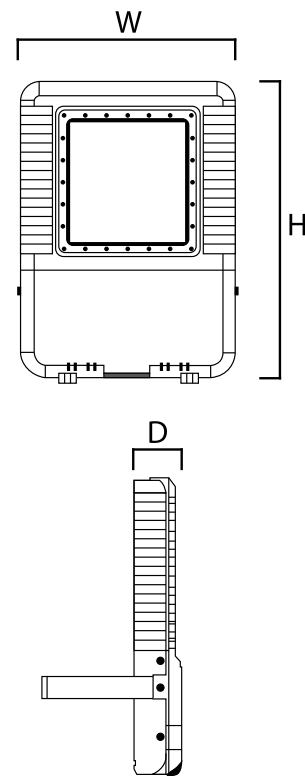
Model SF Product Range

Part No.	Wattage	Lumens	Size (mm)	Weight
990060	10W	1,205 Lm	107 W x 166 H x 32 D	0.5kg
990061	20W	2,298 Lm	152 W x 216 H x 40 D	1.0kg
990062	30W	3,495 Lm	167 W x 226 H x 40 D	1.2kg
990063	50W	5,615 Lm	220 W x 310 H x 50 D	2.3kg
990064	80W	9,293 Lm	245 W x 354 H x 55 D	4.0kg
990065	100W	12,285 Lm	295 W x 402 H x 60 D	4.6kg
990066	150W	18,225 Lm	320 W x 430 H x 60 D	6.1kg
990067	200W	24,600 Lm	360 W x 470 H x 60 D	7.1kg

Model MF

75W-265W LED Flood Light Range

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 90 - 305 V
Power Factor:	> 0.95
Lm Efficiency:	100 - 110 Lm/w
Colour:	5000K
Beam Angle:	30° x 70°
IP Rating:	IP66 & IK10
Housing:	Black Die-Cast Aluminium
Lens:	Optical Polycarbonate
Wiring:	2 Metre Insulated Cable
Driver:	MeanWell
CRI:	Ra > 70 or Ra > 80
Warranty:	3 Years
Certification:	SAA, C-tick, CE, RoHS, LM-80-08, TM-21-11, LM79-08, UL, cUL, TUV
Mounting:	To suit 60mm pole diameter



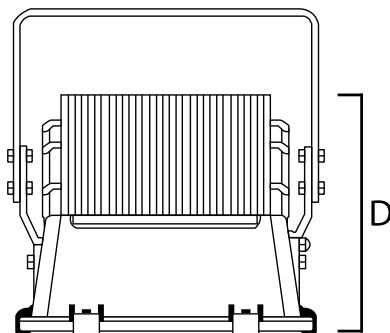
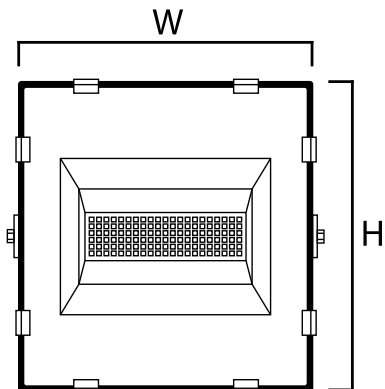
Model MF Product Range

Part No.	Wattage	Lumens	Size (mm)	Weight
990070	75W	9,750 Lm	278 W x 560 H x 75 D	8.8kg
990071	110W	14,300 Lm	278 W x 560 H x 75 D	9.0kg
990072	150W	19,500 Lm	278 W x 560 H x 75 D	8.8kg
990073	180W	23,400 Lm	350 W x 637 H x 75 D	9.0kg
990074	225W	29,250 Lm	350 W x 637 H x 75 D	9.3kg
990075	265W	34,450 Lm	350 W x 637 H x 75 D	9.3kg

Model LF

500W

Heavy Duty LED Flood Light Range



PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 90 - 305 V
Lm Efficiency:	100 Lm/w
Colour:	5000K - Variations available via special order
IP Rating:	IP65
Housing:	Black Die-Cast Aluminium
Lens:	Glass
Wiring:	1 Metre Insulated Cable
Driver:	MeanWell
CRI:	Ra > 70
Warranty:	5 Years
Certification:	SAA, C-tick, CE, RoHS, LM-80-08, TM-21-11
Dimensions:	430 W x 410 H x 334 D (mm)



Model LF Product Range

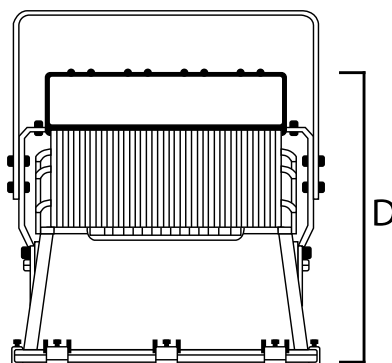
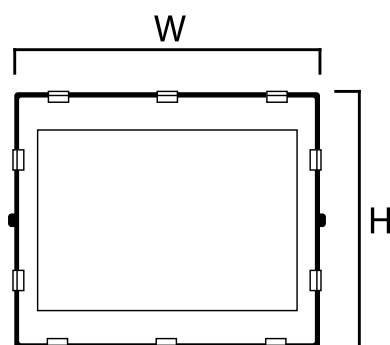
Part No.	Wattage	Beam°	Lumens	Size (mm)	Weight
990041	500W	60° x 90°	45,000 Lm	430 W x 410 H x 334 D	16.0kg
990040	500W	30° x 90°	45,000 Lm	430 W x 410 H x 334 D	16.0kg

Model LF

1000W

Heavy Duty LED Flood Light Range

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 90 - 305 V
Lm Efficiency:	100 Lm/w
Colour:	5000K - Variations available via special order
IP Rating:	IP65
Housing:	Black Die-Cast Aluminium
Lens:	Glass
Wiring:	1 Metre Insulated Cable
Driver:	MeanWell
CRI:	Ra > 70
Warranty:	5 Years
Certification:	SAA, C-tick, CE, RoHS, LM-80-08, TM-21-11
Dimensions:	513 W x 429 H x 396 D (mm)



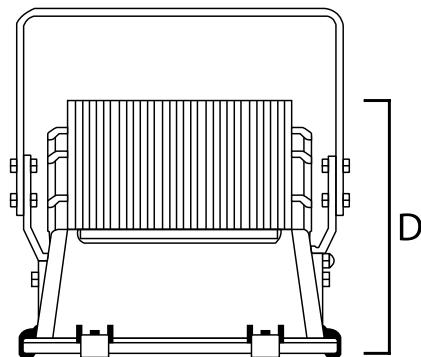
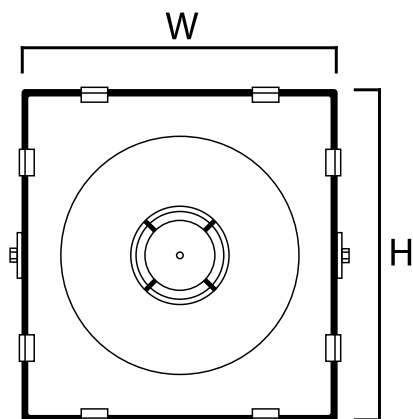
Model LF Product Range

Part No.	Wattage	Beam°	Lumens	Size (mm)	Weight
990045	1000W	10° x 90°	90,000 Lm	513 W x 429 H x 396 D	28.0kg
990046	1000W	50° x 90°	90,000 Lm	513 W x 429 H x 396 D	28.0kg

Model TF

500W

Heavy Duty LED Tower Flood Light Range



PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 90 - 305 V
Lm Efficiency:	95 - 100 Lm/w
Colour:	5000K
IP Rating:	IP65
Housing:	Black Die-Cast Aluminium
Lens:	Glass
Wiring:	1 Metre Insulated Cable
Driver:	MeanWell
CRI:	Ra > 80
Warranty:	5 Years
Certification:	SAA, C-tick, CE, RoHS, LM-80-08, TM-21-11
Dimensions:	430 W x 410 H x 334 D (mm)



Model TF Product Range

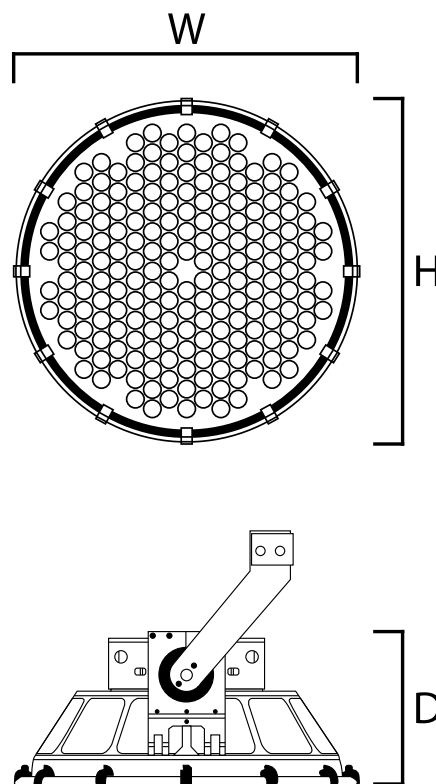
Part No.	Wattage	Beam°	Lumens	Size (mm)	Weight
990042	500W	25° Round	48,500 Lm	430 W x 410 H x 334 D	16.0kg

Model TF

1200W

Heavy Duty LED Tower Flood Light Range

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 90 - 305 V
Lm Efficiency:	75 Lm/w (5° Beam) or 95 Lm/w (15° & 25° Beam)
Colour:	3000 - 6000K
IP Rating:	IP65
Housing:	Black Die-Cast Aluminium
Lens:	Glass
Wiring:	30CM Insulated Cable
Driver:	Inventronics
CRI:	Ra > 80
Warranty:	5 Years
Certification:	CE, RoHS
Dimensions:	698 W x 698 H x 304 D (mm)



Model TF Product Range

Part No.	Wattage	Beam°	Lumens	Size (mm)	Weight
990048	1200W	5° Round	90,000 Lm	698 W x 698 H x 304 D	32.0kg
990049	1200W	15° Round	114,000 Lm	698 W x 698 H x 304 D	32.0kg
990050	1200W	25° Round	114,000 Lm	698 W x 698 H x 304 D	32.0kg

Model HB

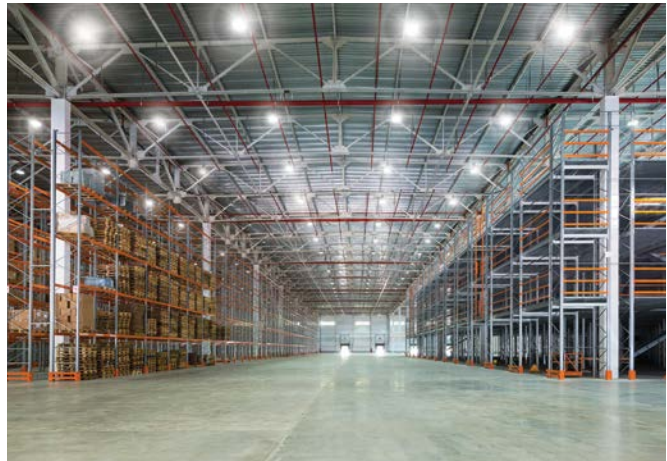
100W-200W

LED High Bay Lighting Range



PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 90 - 305 V
Power Factor:	> 0.95
Lm Efficiency:	130 Lm/w
Colour:	5700K
Beam Angle:	120°
IP Rating:	IP66 & IK08
Housing:	Black Die-Cast Aluminium
Wiring:	2 Metre Insulated Cable
Driver:	MeanWell
CRI:	Ra > 70
Warranty:	3 Years
Certification:	SAA, C-tick, CE, RoHS, LM-80-08, TM-21-11



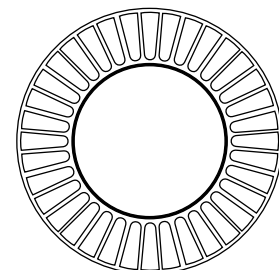
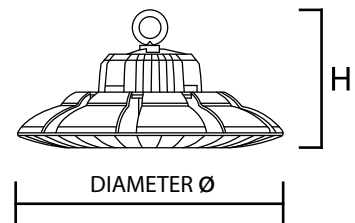
LED High Bay Lighting

Mounting Height Guide

3 - 4 Metre	4 - 5 Metre	5 - 6 Metre	6+ Metre
990080 100W 120°	990081 120W 120°	990082 150W 120°	990083 200W 120°

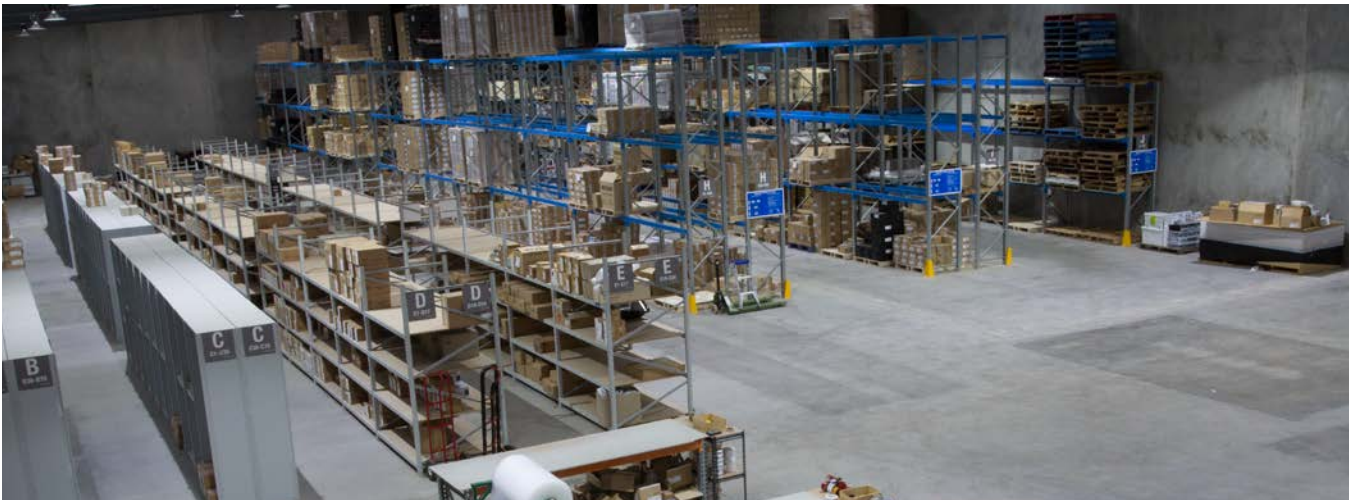
Model HB Product Range

Part No.	Wattage	Beam°	Lumens	Size (mm)	Weight
990080	100W	120°	12,800 Lm	300 ø x 192 H	4.2kg
990081	120W	120°	14,400 Lm	380 ø x 206 H	4.6kg
990082	150W	120°	19,500 Lm	380 ø x 206 H	6.8kg
990083	200W	120°	25,000 Lm	380 ø x 210 H	7.5kg





Lights off.



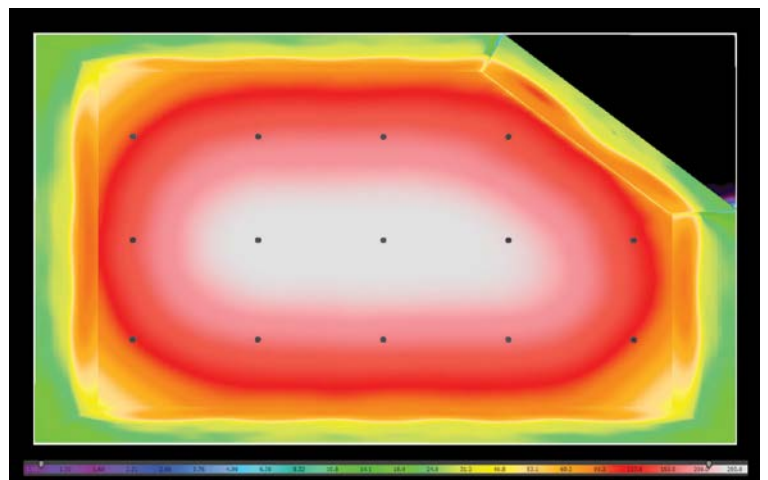
Lights on.

Before you buy, there is something to consider

A free additional service that Flo-Tec Limited offers for the 240V lighting range is a 3D simulation of your area to make sure you're purchasing the correct number of lights for the job.

Not only does this step save time by removing the product trial process but it also means you're not spending more than necessary. We stand by this process and can 100% guarantee that you'll be happy with your lighting setup after going through this simulation process.

Give us a call for more information on +233 20 434 1403



Model PL

LED Panel Lighting Range



PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 220 - 240 V
Wattage:	40W
Power Factor:	> 0.90
Lm Efficiency:	95-105 Lm/w
Colour:	4000K
Beam Angle:	115°
IP Rating:	IP20
Housing:	Aluminium
Lens:	PMMA Acrylic
Wiring:	1 Metre Insulated Cable
Driver:	Lifud
CRI:	Ra > 82
Warranty:	3 Years
Certification:	SAA, C-tick, CE, RoHS, LM-79, LM-80
Dimensions:	1200 W x 300 H x 10 D (mm)



Model PL Product Range

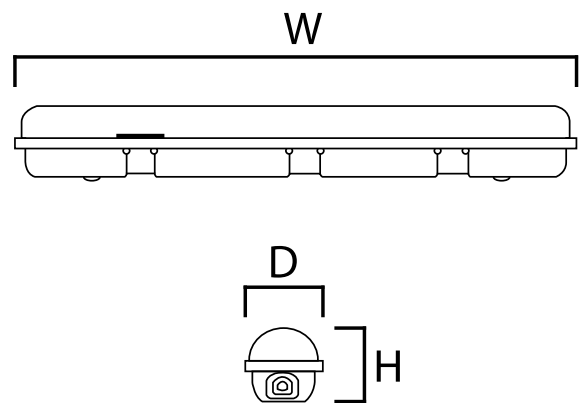
Part No.	Lumens	Additional Information	Size (mm)	Weight
990020	3700 Lm		1200 W x 300 H x 10 D	3.5kg
990021	3700 Lm	With Dali dimming function	1200 W x 300 H x 10 D	3.5kg
990022	3700 Lm	With emergency function *	1200 W x 300 H x 10 D	3.5kg

* When power drops out, the emergency function uses a battery backup to give the unit 50% power for 3 hours of run time.

Model WB

Waterproof Batten Lighting Range

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 220-240 V
Wattage:	42W
Power Factor:	> 0.90
Lm Efficiency:	100-110Lm/w or 130Lm/w (High Output)
Colour:	5000K
Beam Angle:	135 °
IP Rating:	IP65
Housing:	ABS
Lens:	Polycarbonate
Wring:	1 Metre Insulated Cable
Driver:	Lifud
CRI:	Ra > 82
Warranty:	3 Years
Certification:	SAA, CE, C-tick, RoHS, LM-79, LM-80
Dimensions:	1272 W x 80 H x 118 D (mm)



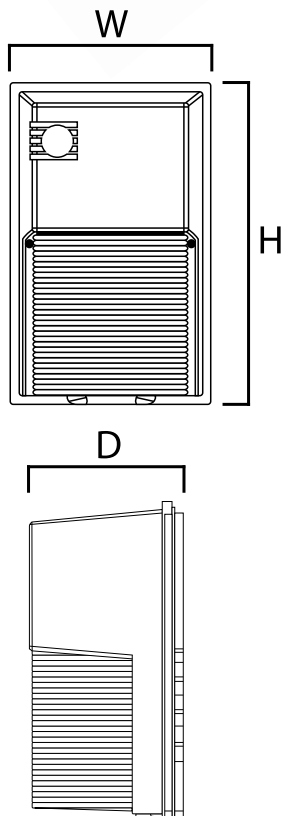
Model WB Product Range

Part No.	Lumens	Additional Information	Size (mm)	Weight
990030	4200 Lm		1272 W x 80 H x 118 D	2.1kg
990031	4200 Lm	Motion sensor	1272 W x 80 H x 118 D	2.1kg
990032	4200 Lm	Motion sensor with emergency function*	1272 W x 80 H x 118 D	2.1kg

* When power drops out, the emergency function uses a battery backup to give the unit 50% power for 3 hours of run time.

Model WP

LED Wall Pack Lighting Range



PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 100 - 277 V
Power Factor:	> 0.92
Lm Efficiency:	115-120 Lm/w
Colour:	5000K
Beam Angle:	90°
IP Rating:	IP65 & IK08
Housing:	Aluminium
Lens:	Polycarbonate
Wiring:	Hard Wired
CRI:	Ra > 82
Warranty:	3 Years
Certification:	RoHS
Dimensions:	173 W x 278 H x 133.5 D (mm)



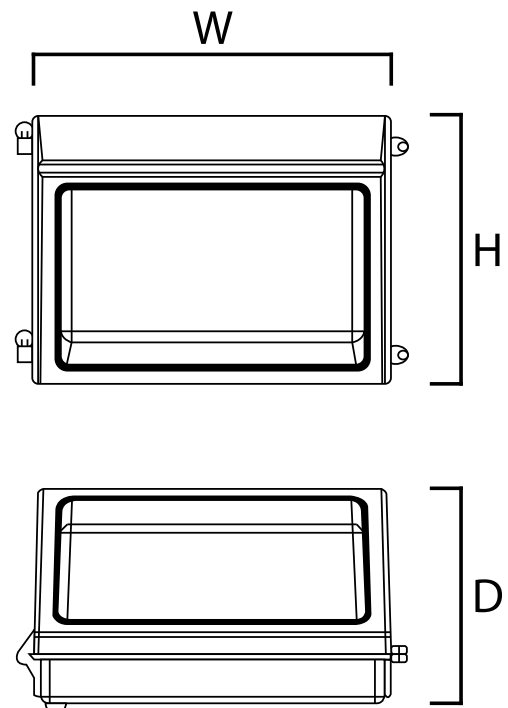
Model WP Product Range

Part No.	Wattage	Size (mm)
990090	25W	173 W x 278 H x 133.5 D
990091	33W	173 W x 278 H x 133.5 D

Model WP

LED Wall Pack Lighting Range

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	AC 100 - 277 V
Power Factor:	> 0.92
Lm Efficiency:	115-120 Lm/w
Colour:	5000K
Beam Angle:	100°
IP Rating:	IP65 & IK08
Housing:	Aluminium
Lens:	Polycarbonate
Wiring:	Hard Wired
CRI:	Ra > 82
Warranty:	3 Years
Certification:	RoHS



Model WP Product Range

Part No.	Wattage	Size (mm)
990093	60W	333 W x 236 H x 189 D
990094	72W	333 W x 236 H x 189 D
990095	85W	333 W x 236 H x 189 D
990096	115W	465 W x 230 H x 236 D
990097	140W	465 W x 230 H x 236 D

LIGHTING

AC RANGE CATALOGUE



AC LED COMMERCIAL LIGHTING

Additional products available in the JW Speaker AC Series Lighting Range

EXPLOSION PROOF - LIGHTING



INTERIOR - LIGHTING



For further details about the JW Speaker range contact Flo-Tec Limited
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