

AFRISON
INDUSTRIAL LIGHTS
CATALOGUE



# VISION

TO CREATE BRIGHTER, SAFER & SUSTAINABLE WORKSPACES AND COMMUNITIES.

# **MISSION**

We develop and manufacture remarkable industrial luminaires.

We supply reliable solar solutions.

We support our customers through dedicated service.

We care for our planet and her people.

# **VALUES**



### INNOVATION

Always looking for new plans, fresh ideas and amazing technology.



### **TEAM WORK**

We collaborate seamlessly, leveraging diverse strengths to reach common goals.



### **RESPONSIBILITY**

Personal and Social - Because we are accountable, and we really care.



### **PASSION**

Our unwavering commitment and enthusiasm fuel our relentless pursuit of excellence.



### RESPECT

Afrison believes in respect for our people, cultures and our planet.



### **INTEGRITY**

To do the right things right, even when no one is watching.



### **FUN**

We embrace every moment with positivity and create a vibrant, enjoyable atmosphere.

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# ABOUT AFRISON

### **LED**

Afrison LED is a premier manufacturer of industrial LED lighting. Our high-quality, energy-efficient products are designed for durability and performance in demanding industrial environments. With a focus on quality and innovation, we provide reliable lighting solutions for enhanced safety and productivity.

### **SOLAR**

Afrison Solar provides high-quality solar solutions for homes and businesses in Africa. We use reliable products with warranties, have local service centres in Southern Africa, and offer design, installation, and after-sales support. Our expert teams ensure a seamless experience.

### **ASSYST**

Afrison Assyst specializes in supplying project solutions, streamlining the procurement process for project-related needs, and ensuring efficient project execution through our supply-chain expertise.

# OUR INDUSTRIAL LED SERVICES

### **CONSULT**

Leave your LED lighting project in capable hands. From onsite surveys to project completion, our sales representatives will focus on your requirements, guide you through the process, and will be there every step of the way.



### **DESIGN**

For your indoor and outdoor lighting needs, we provide custom LED lighting design simulations. Experience the result and efficiency of our tailored LED solutions, offering a transformative impact on your environment.

### **MANUFACTURE**

Crafting brilliance in every beam, we are the premier local manufacturer of industrial LED lights. ISO:9001 certified, our innovative solutions ensure that every light we produce illuminates your world with unmatched efficiency and reliability.



### SUPPORT

Our support service for industrial LED lights is here to ensure ongoing peace of mind. We quickly repair our lighting products and offer cost-effective support. We supply and honor long-term product warranties and are just a phone call away.

# ORDERING CONSIDERATIONS

### **BROWSE THE CATALOGUE**

Start by exploring our comprehensive catalogue of industrial LED lights. Take note of the diverse range of products available to suit various industrial lighting needs.

### **PRODUCT SELECTION**

Choose the specific LED light product that best matches your requirements. Pay attention to the following key aspects:

### **TYPE OF LIGHT:**

Specify the type of light that suits your application, such as floodlights, high bays, or stadium light.

### LENSES:

Consider the type of lenses available for each product.

Different lenses can impact the light distribution, focusing, and dispersion. Please note that lens compatibility is not universal across all our lights

#### **WATTAGE:**

Identify the appropriate wattage for your lighting needs. This information is crucial for achieving the desired brightness and energy efficiency.

### COLOUR:

Select the color temperature that aligns with your workspace requirements. Options may include (3000K) warm white, (4000K) neutral white, or (5000K) cool white.

### **EMERGENCY BACKUP:**

Indicate whether you require emergency backup functionality. This ensures continued illumination during power outages, enhancing safety in critical situations. Please note that emergency compatibility is not universal across all our lights

### **EXPLORE CUSTOMIZATION OPTIONS**

For those seeking additional customization, communicate the following options to a sales representative or admin support:

### **MOUNTING OPTIONS:**

If required, express your interest in adding U brackets, Chain Kit, Spigot, Flush Mount or Extended Side Plates to facilitate specific mounting arrangements.

### **VOLTAGE OPTIONS:**

Communicate the desired voltage option that aligns with your electrical system.

### **ADDITIONAL CUSTOM FEATURES:**

Share any other custom options you are interested in, such as IP Options, Zoning, Blast protection, High Vibration or specific finishes or features tailored to your industrial setting.

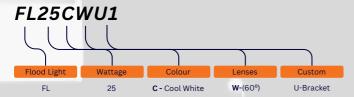
### **CONTACT SALES REPRESENTATIVE OR ADMIN SUPPORT**

When you've made your decision, kindly reach out to our dedicated sales representative or admin support team with your product preferences and customization details, and they will assist you in finalizing your order to ensure all specifications meet your requirements. Detailed Spec-Sheets of all products are available on request.

### AN EXEMPLARY ORDER FORMAT IS AS FOLLOWS:

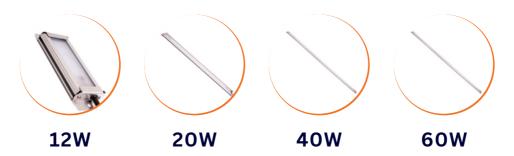
Flood Light, 25W, Cool White, 60° Lenses, with a customized U-Bracket.

The corresponding quotation code is formatted as FL25CWU1



This revised guide emphasizes the need to communicate customization details directly to a sales representative or admin support, ensuring a tailored and personalized ordering experience.

# DRAKENSBERG INDUSTRIAL LED LOW PROFILE LIGHT



### **OVERVIEW**

The Drakensberg Industrial LED Low Profile is a linear lighting solution designed to seamlessly replace vapor-proof fixtures and fluorescent tubes, boasting an extended lifespan exceeding 80,000 hours. Its sleek design is complemented by robust features, including food safety compliance, Ex certification, IP rating, and the availability of emergency backup options. Thanks to its exceptional durability, the Drakensberg proves to be an ideal choice, even for the most demanding environments.

WATTAGE	12W	20W	40W	60W		
CONNECTED POWER	12W	20W	40W	60W		
INPUT VOLTAGE		190-240VAC				
POWER CONSUMPTION	55mA@220VAC	90mA@220VAC	180mA@220VAC	272mA@220VAC		
LIGHT OUTPUT	1188 Lumens (Hot Lumens)	1980 Lumens (Hot Lumens)	3960 Lumens (Hot Lumens)	5940 Lumens (Hot Lumens)		
RATED LIFETIME	>80000 HRS					
WARRANTY		5 Years				
WEIGHT	0.2 Kg	0.5 Kg	0.8 Kg	1.1 Kg		
DIMENSIONS	145mm x 50mm x 13mm	633mm x 50mm x 13mm	1030mm x 50mm x 13mm	1493mm x 50mm x 13mm		

### **SPECIAL FEATURES**

04

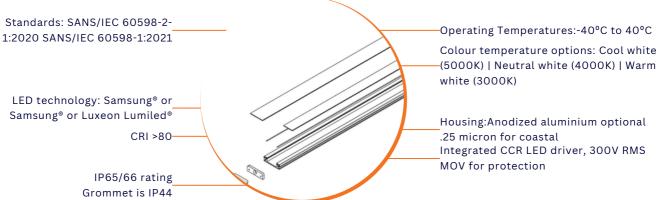
Sleek, unobtrusive design.
Various mounting options.
Almost indestructible quality.

### **REPLACEMENT GUIDE**

20W LED (58W Fluorescent) 40W LED (2 X 58W Fluorescent) 60W LED (3 X 58W Fluorescent)

### **BEAM ANGLE**







# **DRAKENSBERG**

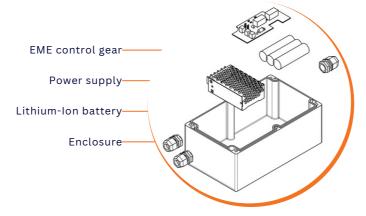
### INDUSTRIAL LED EMERGENCY LOW **PROFILE LIGHT**

WATTAGE	18W	40W	60W		
CONNECTED POWER	26W (charging)	46W (charging)	64W (charging)		
INPUT VOLTAGE		190-240VAC			
POWER CONSUMPTION	118mA@220VAC (charging)	209mA@220VAC (charging)	290mA@220VAC (charging)		
EMERGENCY BACK-UP		1 or 4 hours Interrupted   Uninterrupted			
INRUSH CURRENT	40A-170µs				
LIGHT OUTPUT	1764 Lumens 1764 EME (hot lumens)	3960 Lumens 1764 EME (hot lumens)	5940 Lumens1764 EME (hot lumens)		
RATED LIFETIME	>80000 HRS				
RATED BATTERY LIFETIME		Lithium-Ion 80% DoD ±500 Cycles			
WEIGHT	2 Kg	2.8 Kg	3.1 Kg		
DIMENSIONS	638mm x 50mm x 13mm	1038mm x 50mm x 13mm	1498mm x 50mm x 13mm		
DIMENSIONS (EME UNIT)	200mm x 120mm x 95mm				
HOUSING	Red Anodized Aluminium				
WARRANTY		5 Years (1 year on EME unit)			

### REPLACEMENT GUIDE EMERGENCY BACK UP

20W LED **EME** (58W Fluorescent) 40W LED **EME** (2 X 58W Fluorescent)

60W LED EME (3 X 58W Fluorescent)











The Mopane Industrial LED Mid-Profile offers a versatile alternative to vapor-proof fixtures and fluorescent tubes, boasting an impressive operational lifespan exceeding 80,000 hours. This luminaire seamlessly integrates with a wide range of intelligent lighting control systems. It features an integrated Osram® driver housed within a durable aluminum extruded casing for optimal performance.

WATTAGE	30W	60W	90W			
CONNECTED POWER	32W	63W	90W			
INPUT VOLTAGE		194-264VAC				
POWER CONSUMPTION	140mA@230VAC	140mA@230VAC 275mA@230VAC				
INRUSH CURRENT		40A-170μs				
LIGHT OUTPUT	3590 Lumens (Hot Lumens)	3590 Lumens (Hot Lumens) 7560 Lumens (Hot Lumens)				
RATED LIFETIME		>80000 HRS				
WARRANTY		5 Years				
WEIGHT	0.9 Kg	0.9 Kg 1.65 Kg				
DIMENSIONS	540mm x 50mm x 52mm	940mm x 50mm x 52mm	1240mm x 50mm x 52mm			

### **SPECIAL FEATURES**

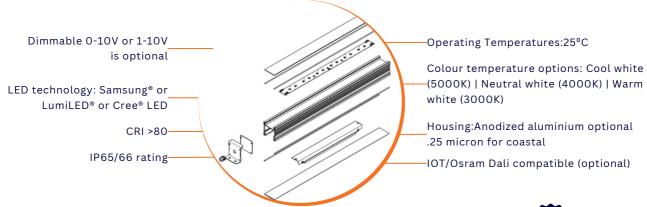
IOT Smart Building compatible. Dimmable option.

### REPLACEMENT GUIDE

30W LED (2 X 58W Fluorescent) 60W LED (3 X 58W Fluorescent) 90W LED (4 X 58W Fluorescent)

### **BEAM ANGLE**

















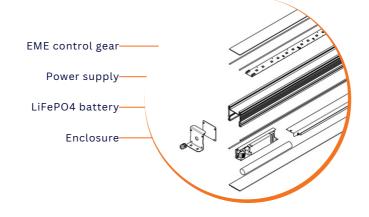
## INDUSTRIAL LED EMERGENCY MID-PROFILE

### LIGHT

WATTAGE	30W	60W	90W			
CONNECTED POWER	40W (charging)	72W (charging)	98W (charging)			
INPUT VOLTAGE		194-264VAC				
POWER CONSUMPTION	173mA@230VAC (charging)	313mA@230VAC (charging)	426mA@230VAC (charging)			
EMERGENCY BACK-UP		1 or 3 hours switch live				
INRUSH CURRENT	40A-170μs					
LIGHT OUTPUT	3590 Lumens 2910 EME (hot lumens)	9600 Lumens 5820 EME (hot lumens)	9850 Lumens 5820 EME (hot lumens)			
RATED LIFETIME	>80000 HRS					
RATED BATTERY LIFETIME		(LiFePO4) 2000 Cycles 80% DOD				
WEIGHT	0.9 Kg	1.65 Kg	2.5 Kg			
DIMENSIONS	540mm x 50mm x 52mm	540mm x 50mm x 52mm 940mm x 50mm x 52mm				
DIMENSIONS (EME UNIT)		200mm x 120mm x 95mm				
WARRANTY	5 Years (1 year on EME unit)					

### REPLACEMENT GUIDE EMERGENCY BACK UP

30W LED **EME** (2 X 58W Fluorescent) 60W LED **EME** (3 X 58W Fluorescent) 90W LED EME (4 X 58W Fluorescent)









The Meru Industrial LED Flood Light incorporates light-enhancing lenses, effectively delivering nearly twice the illumination to the target area compared to standard LED lights with similar wattage. This exceptional performance is complemented by a robust weatherproof housing, ultra-high impact polycarbonate UV resistant covers and equipped with external surge protection for hassle-free field replacement.

WATTAGE	15W	15W 25W				
CONNECTED POWER	15W	23W	53W			
INPUT VOLTAGE		190-252VAC				
POWER CONSUMPTION	68mA@220VAC	102mA@220VAC	231mA@220VAC			
LIGHT OUTPUT	1450 Lumens	2450 Lumens	5160 Lumens			
RATED LIFETIME		>80000 HRS				
WARRANTY		5 Years				
WEIGHT	0.5 KG	1.6 KG	2.4 KG			
DIMENSIONS	130mm x 75mm x 110mm	130mm x 75mm x 110mm 120mm x 175mm x 100mm				
WATTAGE	75W	75W 100W 150W				
CONNECTED POWER	-					
		67.5W 90W 135W				
INPUT VOLTAGE		190-252VAC				
POWER CONSUMPTION	309mA@220VAC	409mA@220VAC	613mA@220VAC			
LIGHT OUTPUT	7725 Lumens (Hot lumens)	10300 Lumens (Hot lumens)	15400 Lumens (Hot lumens)			
RATED LIFETIME		>80000 HRS				
WARRANTY		5 Years				
WEIGHT	3 KG	3 KG 3.4 KG				
DIMENSIONS	280mm x 175mm x 100mm	350mm x 175mm x 100mm	500mm x 175mm x 100mm			

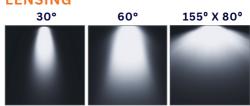
### **SPECIAL FEATURES**

No glass or hazardous materials - certified food safe. Blast proof options. Vibration proof options. 20kA Surge Protection Standard

### **REPLACEMENT GUIDE**

15W LED (Replaces 50W HID) 25W LED (Replaces 70W HID) 50W LED (Replaces 100W HID) 75W LED (Replaces 150W HID) 100W LED (Replaces 250W HID) 150W LED (Replaces 400W HID)

### **LENSING**





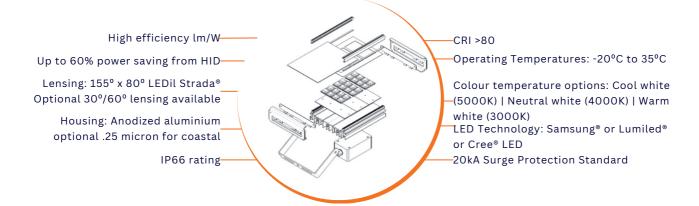


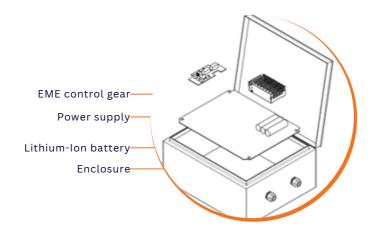


WATTAGE	24W	48W			
CONNECTED POWER	40W (charging)	60W (charging)			
INPUT VOLTAGE	100-2	27VAC			
POWER CONSUMPTION	182mA@220VAC (charging)	320mA@220VAC (charging)			
EMERGENCY BACK-UP	1 or 4 hours Interru	pted   Uninterrupted			
LIGHT OUTPUT	2910 Lumens 2910 EME (hot lumens)	5820 Lumens 5820 EME (hot lumens)			
RATED LIFETIME	>80000 HRS				
RATED BATTERY LIFETIME	Lithium-Ion 80%	DoD ±500 Cycles			
WEIGHT	1.6 Kg	2 Kg			
DIMENSIONS	120mm x 175mm x 100mm	200mm x 175mm x 100mm			
DIMENSIONS (EME UNIT)	200mm x 120mm x 95mm				
HOUSING	Red anodized aluminium				
WARRANTY	5 Years (1 yea	ar on EME unit)			

### REPLACEMENT GUIDE EMERGENCY BACK UP

24W EME LED (Replaces 70W HID) 48W EME LED (Replaces 70W HID)



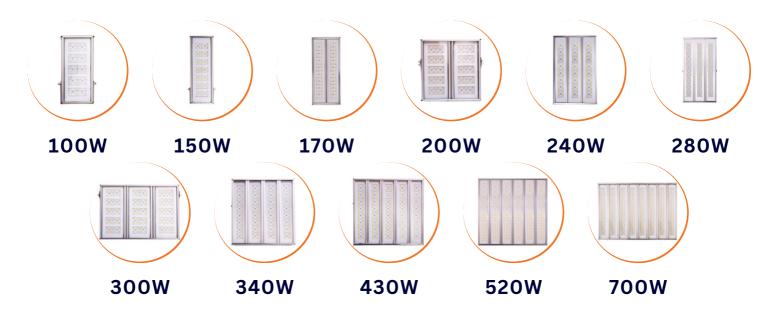






# **KILIMANJARO**

### **INDUSTRIAL LED HIGH MAST LIGHT**



### **OVERVIEW**

The Kilimanjaro Industrial LED High Mast lights offer an exceptional solution, delivering increased illumination while conserving energy. Designed to accommodate mast heights spanning from 3m to 40m, this lensed range is perfectly suited to achieving the ideal balance of distance, uniformity, and lux levels required in any open areas.

WATTAGE	100W	150W	170W	200W	
CONNECTED POWER	90W	135W	153W	180W	
INPUT VOLTAGE	190-252VAC	190-252VAC	190-252VAC	190-252VAC	
POWER CONSUMPTION	450mA@220VAC	681mA@220VAC	772mA@220VAC	909mA@220VAC	
LIGHT OUTPUT	10300 Lumens (Hot Lumens)	15400 Lumens (Hot Lumens)	17340 Lumens (Hot Lumens)	20600 Lumens (Hot Lumens)	
RATED LIFETIME		>80000	HRS		
WARRANTY		5 Yea	ars		
WEIGHT	2.8 KG	3.8 KG	6 KG	5 KG	
DIMENSIONS	350mm x 175mm x 100mm	500mm x 175mm x 100mm	600mm x 205mm x 55mm	350mm x 350mm x 50mm	
WATTAGE	240W	280W	300W	340W	
CONNECTED POWER	231W	265W	252W	306W	
INPUT VOLTAGE	190-252VAC	190-252VAC	190-252VAC	190-252VAC	
POWER CONSUMPTION	1090mA@220VAC	1272mA@220VAC	1363mA@220VAC	1545mA@220VAC	
LIGHT OUTPUT	24480 Lumens (Hot lumens)	28560 Lumens (Hot lumens)	29700 Lumens (Hot lumens)	34680 Lumens (Hot lumens)	
RATED LIFETIME	>80000 HRS				
WARRANTY	5 Years				
WEIGHT		9 KG	10 KG	11 KG	















### INDUSTRIAL LED HIGH MAST LIGHT

WATTAGE	430W	520W	700W			
CONNECTED POWER	387W	468W	630W			
INPUT VOLTAGE		190-252VAC				
POWER CONSUMPTION	1954mA@220VAC	2363mA@220VAC	3181mA@220VAC			
LIGHT OUTPUT	43860 Lumens (Hot Lumens)	51480 Lumens (Hot Lumens)	71400 Lumens (hot lumens)			
RATED LIFETIME		>80000 HRS				
BEAM ANGLE		30° or 60° or 80°Vertical x 155° Horizontal				
WEIGHT	16 KG	18 KG	24 KG			
DIMENSIONS	540mm x 600mm x 55mm	615mm x 600mm x 55mm	860mm x 600mm x 55mm			

### **SPECIAL FEATURES**

Driverless - CCR technology. Ultra-high impact polycarbonate UV resistant covers.

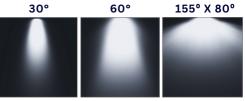
High heat options.

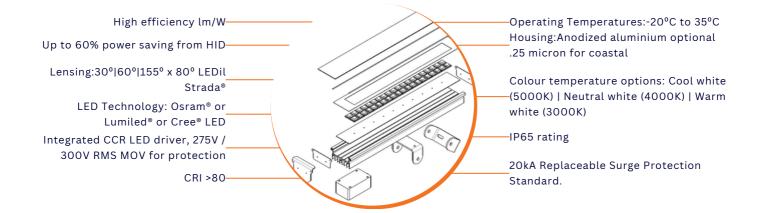
20kA Replaceable Surge Protection Standard.

### **REPLACEMENT GUIDE**

100W - 200W LED (Replaces 400W MH/HPS) 240W - 300W LED (Replaces 600W MH/HPS) 340W - 430W LED (Replaces 1000W MH/HPS) 520W LED (Replaces 1500W HID) 700W LED (Replaces 2000W HID)

### **LENSING** 30° 60°











## **KREMETART**

### **INDUSTRIAL LED STADIUM LIGHT**



### **OVERVIEW**

The Kremetart Industrial LED Stadium Light stands out with its minimal flicker index, positioning it as the top choice for sports fields. This versatile range seamlessly integrates with a wide array of intelligent lighting control systems and features an integrated Osram® driver housed within a durable aluminum extruded casing, with individual banks for optimal light distribution.

WATTAGE	100W	200W	300W		
CONNECTED POWER	103W	210W	308W		
INPUT VOLTAGE		90-305VAC			
POWER CONSUMPTION	468mA@220VAC	954mA@220VAC	1400mA@220VAC		
INRUSH CURRENT	52A	68A	65A		
LIGHT OUTPUT	12900 Lumens (Hot Lumens)	26800 Lumens (Hot Lumens)	39424 Lumens (Hot Lumens)		
RATED LIFETIME		>80000 HRS			
WARRANTY		5 Years			
WEIGHT	6 KG	8 KG	10.5 KG		
DIMENSIONS	130mm x 485mm x 216mm	220mm x 485mm x 216mm	350mm x 485mm x 216mm		
WATTAGE	400W	500W	600W		
CONNECTED POWER	410W	510W	610W		
INPUT VOLTAGE		90-305VAC			
POWER CONSUMPTION	1400mA@220VAC	1863mA@220VAC	2809mA@220VAC		
INRUSH CURRENT	68A	68A	60A		
LIGHT OUTPUT	53300 Lumens (Hot lumens)	66177 Lumens (Hot lumens)	80340 Lumens (Hot lumens)		
RATED LIFETIME	>80000 HRS				
WARRANTY		5 Years			
WEIGHT	10.5 KG	16 KG	20.5 KG		
DIMENSIONS	525mm x 485mm x 216mm	650mm x 485mm x 216mm	720mm x 485mm x 216mm		













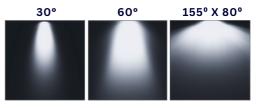
### **SPECIAL FEATURES**

Individually adjustable banks. 4K UHD streaming ready. Different lensing options.

### **REPLACEMENT GUIDE**

100W LED (Replaces 400W MH/HPS) 200W LED (Replaces 400W MH/HPS) 300W LED (Replaces 600W MH/HPS) 400W LED (Replaces 1000W HID) 500W LED (Replaces 1500W HID) 600W LED (Replaces 2000W HID)

### **BEAM ANGLE**



Operating Temperatures:25°C Dimmable 0-10V or 1-10V is optional-Housing: Anodized aluminium optional Lensing:155° x 80° LEDil Strada® .25 micron for coastal Optional 30°/60° lensing Each light bank is individually CRI >80adjustable LED Technology: Samsung® or Colour temperature options: Cool LumiLED® or Cree® LED -white (5000K) | Neutral white (4000K) | Warm white (3000K) IP65 rating -IOT/Osram Dali compatible (optional)









The Majuba Industrial LED Street Light is designed to deliver exceptional road surface coverage and is ideally suited for a variety of road types. It is recommended for use on Group A roads (in accordance with SANS 10098-1) including freeways and major roads, as well as Group B and Group C streets and footways (conforming to SANS 0098-1 standards). With a remarkable operational lifetime exceeding 80,000 hours, it offers a low-maintenance lighting solution. Moreover, this range boasts an IK10 vandal-proof rating and provides robust surge and lightning protection of up to 20kA.

WATTAGE	25W		36W	50W		75W	
CONNECTED POWER	22.5W		32.4W	52W		67.5W	
INPUT VOLTAGE			190-2	252VAC			
POWER CONSUMPTION	102mA@220VAC	1	47mA@220VAC	231mA@220V	AC	309mA@220VAC	
LIGHT OUTPUT	2450 Lumens (Hot Lumens)	3564 L	Lumens (Hot Lumens)	5160 Lumens (Hot I	_umens)	7725 Lumens (Hot Lumens)	
RATED LIFETIME			>800	00 HRS			
WARRANTY			5 \	/ears			
WEIGHT	2 KG		2.1 KG	2.4 KG		3.3 KG	
DIMENSIONS	200mm x 175mm x 100mm	170mı	m x 175mm x 100mm	200mm x 175mm x	100mm	280mm x 175mm x 100mm	
WATTAGE	100W	100W		150W		200W	
CONNECTED POWER	90W	135W		90W			180W
INPUT VOLTAGE		190-252VAC					
POWER CONSUMPTION	409mA@220VAC		613mA@	)220VAC		818mA@220VAC	
LIGHT OUTPUT	10300 Lumens (Hot lumens	10300 Lumens (Hot lumens) 15400 Lumens (Hot lumens)			2066	60 Lumens (Hot lumens)	
RATED LIFETIME	>80000 HRS						
WARRANTY	5 Years						
WEIGHT	3 KG		3.8	KG		4.5 KG	
DIMENSIONS	350mm x 175mm x 100mn	n	500mm x 175	mm x 100mm	700	mm x 175mm x 100mm	















INDUSTRIAL LED STREET LIGHT

### **SPECIAL FEATURES**

Driverless technology.

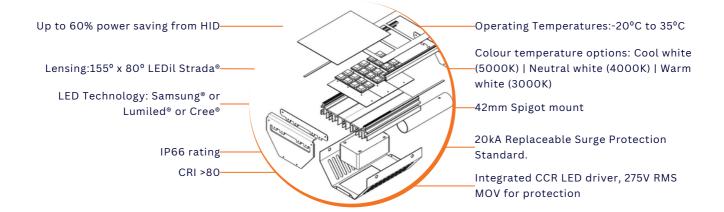
Replicable protection unit.

UHI-poly carb cover.

### REPLACEMENT GUIDE

25W - 36W LED (Replaces 70W HID) 5-7m Mounting Heights, 30-35m Spacing.
50W LED (Replaces 70-125W HID) 7-9m Mounting Heights, 30-40m Spacing.
75W LED (Replaces 125-150W HID) 8-10m Mounting Heights, 35-45m Spacing.
100-200W LED (Replaces 150-250W HID)10-12m Mounting Heights, 35-50m Spacing.

# **LENSING**155° X 80°











The Brandberg Industrial LED Solar Light is ideal for off grid areas as it has the ability to run autonomously for up to 3 days without sunlight. This eco-friendly street- or flood light comes complete with a standalone, fully adjustable, 200W Mono Crystalline (PV) panel controlled by a Victron® MPPT charge controller with a LiFePO4 battery.

WATTAGE	24W	48W	72W			
CONNECTED POWER	24W	48W	72W			
POWER CONSUMPTION	2A@12VDC	2A@12VDC 4A@12VDC				
LIGHT OUTPUT	2880 Lumens (Hot Lumens)	2880 Lumens (Hot Lumens) 5760 Lumens (Hot Lumens)				
OPERATING TIME	12+ Hours (Full Charge)					
CHARGE TIME	±6 Hours (In Full Sun)					
RATED LIFETIME	>80000 HRS					
WARRANTY		5 Years				
WEIGHT	58.5 Kg	58.5 Kg 60 Kg				
DIMENSIONS	120mm x 175mm x 100mm	200mm x 175mm x 100mm	258mm x 175mm x 100mm			

### **SPECIAL FEATURES**

Only top-end, robust components, that provide extra ordinary illumination high quality components with the help of key features of lensing.

360-degree PB Panel.

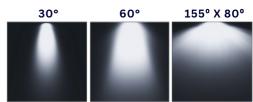
### **REPLACEMENT GUIDE**

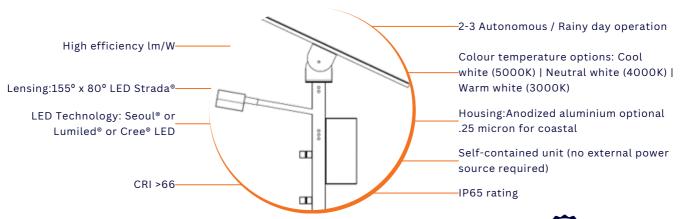
24W LED (Replace 25W-50W HID Street Light) 5-7m Mounting Heights, 10-20m Spacing.

48W LED (Replace 75W-125W HID Street Light) 7-9m Mounting Heights, 20-30m Spacing.

48W LED (Replace 125W-150W HID Street Light) 7-9m Mounting Heights, 30-40m spacing

### **BEAM ANGLE**















### **INDUSTRIAL LED SOLAR LIGHT**

<b>D</b> A I		$\sim$ A T	IONS

WATTAGE	24W	48W	72W
PANEL TYPE	Mono Crystalline (PV)		
PANEL WATTAGE	200W 200W 220W		
PANEL VOLTAGE	36 VDC		
PANEL WEIGHT	15 Kg 15 Kg 16 Kg		
PANEL DIMENSIONS	1580mm x 808mm x 35mm		
WARRANTY	5 Years		

### **CHARGE CONTROLLER SPECIFICATIONS (MPPT)**

BATTERY VOLTAGE	12/24VDC			
RATE CHARGE CURRENT	10A 10A 15A		15A	
MAX. LOAD CURRENT	15A 15A 20A			
PROTECTION	Output Short Circuit   Over Temperature			
PEAK EFFICIENCY	98%			
WARRANTY	5 Years			

### **BATTERY SPECIFICATIONS**

BATTERY TYPE	LiFePO4 (Deep Cycle)			
NOMINAL CAPACITY	42Ah	60Ah	84Ah	
RATE CHARGE CURRENT	10A	10A	15A	
BATTERY VOLTAGE	12/24Ah			
WEIGHT	5.5 Kg	5.5 Kg 7.8 Kg 11 Kg		
DIMENSIONS	230mm x 140mm x 250mm 160mm x 140mm x 150mm 230mm x 140n		230mm x 140mm x 150mm	
WARRANTY	3 Year (Standard Warranty)			
OPTIONAL WARRANTY	Afrison offers the ability to upgrade to 5 year warranty			

### **ENCLOSURE SPECIFICATIONS**

ENCLOSE MATERIAL	Mild Steel (Power Coated)	
ENCLOSE WEIGHT	5 Kg	
IP RATING	IP66	
COLOUR	Orange	
ENCLOSE DIMENSIONS	500mm x 400mm x 250mm	
WARRANTY	5 Years	

Standard dimming cycle: Minimum 2 autonomous / rainy day's operation



100% Power 3hrs after sunset

50% Power 4hrs to 7hrs between sunrise and sunset



Power saving dimming cycle: Minimum 3 autonomous/rainy day's operation



80% Power 3hrs after sunset

35% Power 4hrs to 7hrs between sunrise and sunset























100W

200W

300W

400W

600W

### **OVERVIEW**

The Waterberg Industrial LED Grow Light, meticulously crafted for exceptional performance. Designed and manufactured locally, this grow light offers versatility with IP44 & 65 options. Powered by top-notch 3030 and 3535 Samsung® Horticultural LEDs, it provides a full-spectrum color temperature of 3500k plus Far Red (730nm), making it perfect for all growth stages.

WATTAGE	100W	200W	300W	400W	600W
POWER DRAW	105W	210W	320W	410W	610W
INPUT VOLTAGE	90-265VAC				
OPERATING VOLTAGE		36VDC			
SPECTRUM	400 to 770 nanometers (nm.)				
MICROMOLE PER JOULE	2.7µml/j	2.5µml/j	2.7µml/j	2.5µml/j	2.7µml/j
RATED LIFETIME	>50000 HRS				
WARRANTY	5 Years				
MOUNTING HEIGHT	300mm to 450mm Above Canopy				
WEIGHT	4 Kg	7 Kg	11 Kg	10 Kg	15 Kg
DIMENSIONS	300mm x 300mm x 50mm	600mm x 300mm x 60mm	600mm x 550mm x 100mm	600mm x 600mm x 60mm	900mm x 600mm x 60mm

### **SPECIAL FEATURES**

### Linear or Square options. Different mounting options.

### **PPFD**

Photosynthetic Photon Flux Density.

This is the unit that PPF m<sup>2</sup> is measured in. µMol/m<sup>2</sup>/s.

Full PPFD spread per wattage available on detailed Spec-Sheet.

### **BEAM ANGLE**

120°





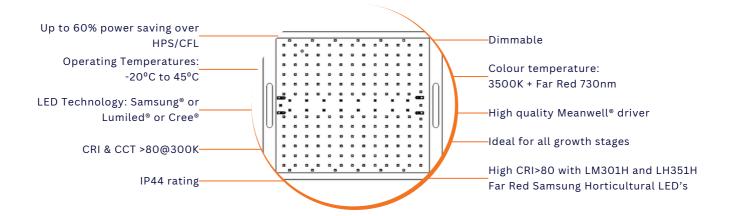


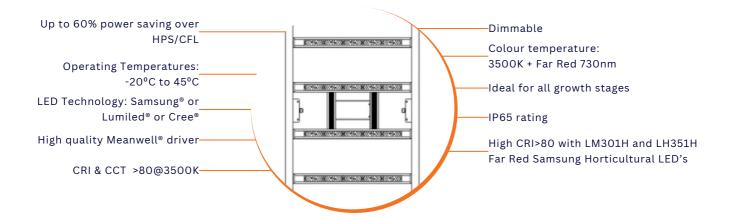






# WATERBERG INDUSTRIAL LED GROW LIGHT













The Tafelberg Industrial LED Bulkhead Retrofit range is expertly crafted to effortlessly fit onto most standard bulkhead fixtures. Designed with a sturdy backplate, it not only ensures exceptional light distribution but also promises long-lasting durability. Upgrade your lighting with ease and efficiency.

WATTAGE	70W	
CONNECTED POWER	63W	
INPUT VOLTAGE	190-252VAC	
POWER CONSUMPTION	286mA@220VAC	
LIGHT OUTPUT	7200 Lumens (Hot Lumens)	
RATED LIFETIME	>80000 HRS	
WARRANTY	5 Years	
DIMENSIONS	280mm x 175mm x 100mm (Without Mounting Plate)	

### **SPECIAL FEATURES**

Energy efficient. Low maintenance. 20kA Replaceable Surge Protection Standard.

### **BEAM ANGLE**











-40°C to 40°C M44, M22, B40, NOR Up to 60% power saving from fluorescent LED technology: Osram® or Lumiled® or Cree® LED CIR >80-.25 micron for coastal IP66 rating-

Operating Temperatures:

High efficiency lm/W

Colour temperature options: Cool white -(5000K) | Neutral white (4000K) | Warm white (3000K)

Housing: Anodized aluminium optional

20kA Replaceable Surge Protection

Integrated CCR LED driver, 275V RMS

MOV for protection













# **TAFELBERG**

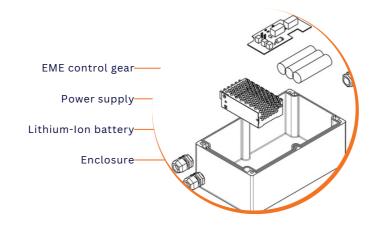
## INDUSTRIAL LED EMERGENCY BULKHEAD RETROFIT

WATTAGE	70W	
CONNECTED POWER	88W (charging)	
INPUT VOLTAGE	190-252VAC	
POWER CONSUMPTION	400mA@220VAC (charging)	
EMERGENCY BACK-UP	18W for 1 or 4 hours	
LIGHT OUTPUT	7200 Lumens 1764 EME (hot lumens)	
RATED LIFETIME	>80000 HRS	
RATED BATTERY LIFETIME	Lithium-ion 80% DOD 500 Cycles	
BEAM ANGLE	120° diffused Pulsan®	
DIMENSIONS	280mm x 175mm x 100mm	
DIMENSIONS (EME UNIT)	200mm x 120mm x 95mm	
HOUSING	Red Anodized Aluminium	
WARRANTY	5 Years (1 year on EME unit)	

### REPLACEMENT GUIDE EMERGENCY BACK UP

70W LED (Replaces 50W - 250W MH/HPS)

70W EME LED (Replaces 50W – 250W MH/HPS)











The Maluti Industrial LED High Bay lights – the ultimate lighting solution that delivers superior illumination while conserving energy. Designed to cater for high bay indoor environments with heights ranging from 5m to 30m, this diffused range is the perfect choice. Attain the ideal balance of distance, uniformity, and lux levels required for a workspace.

WATTAGE	100W	100W Linear	170W	200W
CONNECTED POWER	90W	90W	153W	180W
INPUT VOLTAGE	190-230VAC			
POWER CONSUMPTION	450mA@220VAC	450mA@220VAC	772mA@220VAC	909mA@220VAC
LIGHT OUTPUT	10300 Lumens (Hot Lumens)	10300 Lumens (Hot Lumens)	17340 Lumens (Hot Lumens)	20600 Lumens (Hot Lumens)
RATED LIFETIME	>80000 HRS			
WARRANTY	5 Years			
WEIGHT	2.8 Kg	3 Kg	6 Kg	5 Kg
DIMENSIONS	350mm x 175mm x 100mm	350mm x 175mm x 55mm	350mm x 175mm x 55mm	350mm x 175mm x 50mm

### **SPECIAL FEATURES**

20kA Replaceable Surge Protection

covers.

Standard

### REPLACEMENT GUIDE

100W - 200 LED (Replaces 400W MH/HPS) Various mounting options. Ultra-high impact polycarbonate

# 120°

**BEAM ANGLE** 

High efficiency lm/W Operating Temperatures:-20°C to 35°C Colour temperature options: Cool white Up to 60% power saving from HID-(5000K) | Neutral white (4000K) | Warm white (3000K) LED technology: Osram® or Lumiled® Housing: Anodized aluminium optional or Cree® LED .25 micron for coastal 20kA Replaceable Surge Protection IP65/66 rating-Standard Integrated CCR LED driver, 275V / 300V CRI >80-RMS MOV for protection





## **CEDERBERG**

### INDUSTRIAL LED INFRA-RED LIGHT





**12W** 

**24W** 

### **OVERVIEW**

The Cederberg Industrial LED Infra-Red Light, the optimal solution for CCTV security applications, providing exceptional security lighting. Crafted with durability and housed in a rugged aluminum body, this floodlight excels in the harshest environments, delivering crucial night time visibility where it's essential. Select from power options of 12-24VDC or 100-277VAC to match precise requirements.

WATTAGE	12W	24W		
CONNECTED POWER	12W	24W		
INPUT VOLTAGE	190-252 VAC	190-252 VAC or 12-24 VDC		
POWER CONSUMPTION	0.06A@240VAC - 1A@12VDC	0.12A@240VAC - 2A@12VDC		
COLOUR   SPECTRUM	840m	840m or 950m		
RATED LIFETIME	>1500	>15000 HRS		
WARRANTY	5 Y	5 Years		
WEIGHT	0.6 KG	1.6 KG		
DIMENSIONS	135mm x 105mm x 95mm	120mm x 175mm x 100mm		

### **SPECIAL FEATURES**

No visible light to the human eye. Extreme visibility up to 80m.

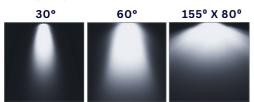
### **CAUTION**

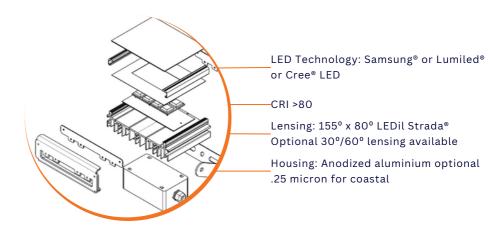
IR emitted from this product. IEC 62471 Risk Group 2 Classification. Do not stare at the lamp. Avoid exposure or use appropriate shielding / eye protection.

### **REPLACEMENT GUIDE**

12W LED (Replaces 50W HID) 24W LED (Replaces 70W HID)

### **LENSING**







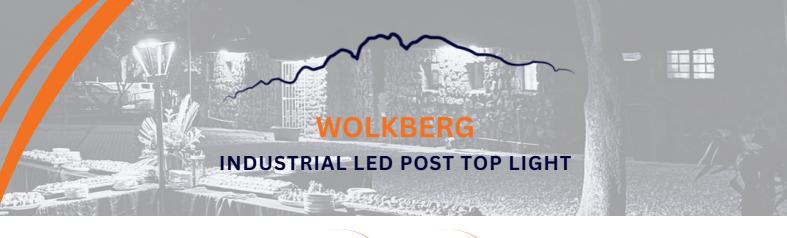














The Wolkberg Industrial LED Post Top is designed for peak performance. Powered by high CRI>80 LEDs from Lumiled®, Samsung®, or Cree®, it offers brilliant illumination with a 360° spread. Durable anodized aluminum or powder-coated mild steel body options, in white or black, ensure longevity. The UV-resistant ultra-high impact polycarbonate (UHI) lens cover guarantees durability with LM80 80,000 hours.

WATTAGE	40W	60W		
CONNECTED POWER	41W	63W		
INPUT VOLTAGE	190-2	190-252VAC		
POWER CONSUMPTION	186mA@220VAC	274mA@220VAC		
LIGHT OUTPUT	4059 Lumens (Hot Lumens)	6237 Lumens (Hot Lumens)		
RATED LIFETIME	>8000	>80000 HRS		
WARRANTY	5 Y	5 Years		
DIMENSIONS	605mm x 320	605mm x 320mm x 320mm		

### **SPECIAL FEATURES**

### Repairable.

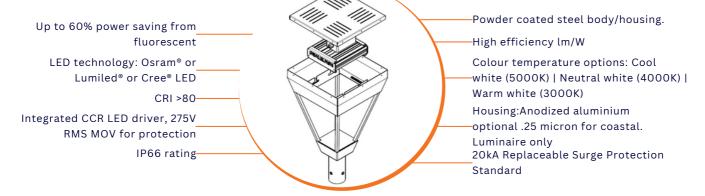
20kA Replaceable Surge Protection Standard.

### REPLACEMENT GUIDE

40w (Replaces 100W MH/HPS) 60w (Replaces 150W - 200W MH/HPS)

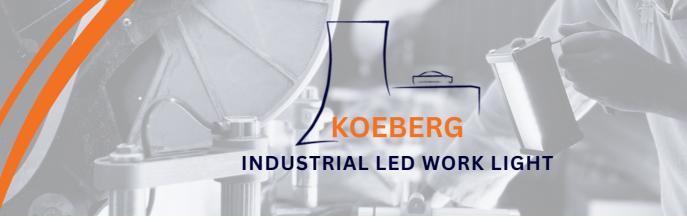
### **BEAM ANGLE**

360°











The Koeberg Industrial LED Work Light locally designed and manufactured for superior performance. With high CRI>80 LEDs, an anodized aluminum body, and an IP65 rating, it's built to withstand tough conditions. This lightweight, portable light features a wide 120° light spread and a neodymium magnet for flexible mounting. Stay powered with USB type-C charging or optional solar panel compatibility, all backed by a long-lasting Lithium-ion battery with intelligent management.

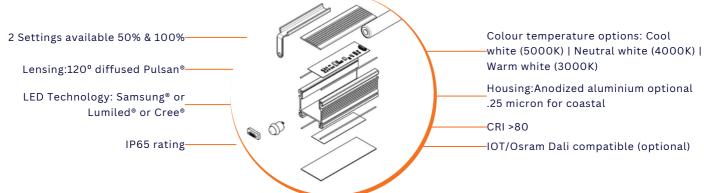
WATTAGE	3W	
CONNECTED POWER	5W	
INPUT VOLTAGE	190-252VAC	
POWER CONSUMPTION	22mA@220VAC	
LIGHT OUTPUT	305 Lumens	
RATED LIFETIME	>80000 HRS	
WARRANTY	1 Year	
WEIGHT	0.9 KG	
DIMENSIONS	130mm x 50mm x 65mm	

### **SPECIAL FEATURES**

Two settings with power failure back-up. Hooked handle with magnet for easy mounting.

### **BEAM ANGLE**

















# **SPECIAL APPLICATIONS**

### **12VAC LOW PROFILE**

WATTAGE	3.5W	7W	18W
CONNECTED POWER	3.15W	6.3W	16.2W
INPUT VOLTAGE	12-24VDC		
POWER CONSUMPTION	291mA@12VDC	583mA@12VDC	1500mA@12VDC
LIGHT OUTPUT	347 Lumens (Hot Lumens)	583 Lumens (Hot Lumens)	1782 Lumens (Hot Lumens)
WEIGHT	0.15 Kg	0.15 Kg	0.5 Kg
DIMENSIONS	144mm x 50mm x 13mm	140mm x 50mm x 13mm	638mm x 50mm x 13
BEAM ANGLE	120°		
WARRANTY	5 Years		

### **12VAC FLOOD LIGHT**

WATTAGE	24W	48W	72W
CONNECTED POWER	21.6W	43.2W	74W
INPUT VOLTAGE	12-24VDC		
POWER CONSUMPTION	2000mA@12VDC	4000mA@12VDC	6000mA@12VAC
LIGHT OUPUT	2910 Lumens (Hot Lumens)	5820 Lumens (Hot Lumens)	8730 Lumens (Hot Lumens)
WEIGHT	1.6 Kg	1.6 Kg 2 Kg	
DIMENTIONS	120mm x 175mm x 100mm	170mm x 175mm x 100mm	200mm x 175mm x 100mm
LENSING	30° or 60° or 80°Vertical x 155° Horizontal		
WARRANTY	5 Years		

### **32VAC LOW PROFILE**

WATTAGE	6W	12W	
CONNECTED POWER	5.4W	10.8W	
INPUT VOLTAGE	32 VAC		
POWER CONSUMPTION	168mA @ 32VAC	337mA @ 32VAC	
LIGHT OUTPUT	594 Lumens (Hot Lumens)	816 Lumens (Hot Lumens)	
WEIGHT	0.2 Kg	0.35 Kg	
DIMENTIONS	638mm x 50mm x 13mm 638mm x 50mm x 13mm		
BEAM ANGLE	120°		
WARRANTY	2 Years		

### **32VAC HIGH MAST**

26

WATTAGE	85W	230W		
CONNECTED POWER	72W	240W		
INPUT VOLTAGE	32 VA	32 VAC		
POWER CONSUMPTION	2250mA @ 32VAC	7500mA @ 32VAC		
LIGHT OUTPUT	7857 Lumens (Hot Lumens)	25098 Lumens (Hot Lumens)		
WEIGHT	3.5 Kg	12 Kg		
DIMENTIONS	120mm x 175mm x 100mm 350mm x 350mm x 100mm			
BEAM ANGLE	30° or 60° or 80°Vertical x 155° Horizontal			
WARRANTY	2 Years			









# **SPECIAL APPLICATIONS**

### **110 VAC LOW PROFILE**

WATTAGE	16W	32W	48W	
CONNECTED POWER	18W	35W	50W	
INPUT VOLTAGE		100-120VAC		
POWER CONSUMPTION	163mA @ 110VAC	290mA @ 110VAC	436mA @110VAC	
LIGHT OUTPUT	1783 Lumens (Hot Lumens)	3168 Lumens (Hot Lumens)	4752 Lumens (Hot Lumens)	
RATED LIFETIME		>80000HRS		
LED TECHNOLOGY		Samsung® or Luxeon Lumiled®		
LED EFFICIENCY	99lm/w (Hot Lumens)			
IP RATING		IP66 or IP44		
WEIGHT	0.5 Kg	0.8 Kg	1.1 Kg	
DIMENTIONS	633mm x 50mm x 13mm	1030mm x 50mm x 13mm	1493mm x 50mm x 13mm	
BEAM ANGLE		120°		
WARRANTY	5 Years			

### **HIGH HEAT HIGH MAST**

WATTAGE	100W	170W	280W	340W
CONNECTED POWER	105W@230VAC	170W@230VAC	280W@230VAC	335W@230VAC
INPUT VOLTAGE	190-253VAC			
POWER CONSUMPTION	456mA@230VAC	739mA@230VAC	1217mA@230VAC	1456mA@230VAC
OPERATING TEMP	-20 °C - 60°C (Ambient)			
LIGHT OUTPUT	18795 Lumens	30430 Lumens	50120 Lumens	30432 Lumens
RATED LIFETIME	>80000 HRS			
WEIGHT	6 Kg	9 Kg	11 Kg	16 Kg
DIMENTIONS	205mm x 600mm x 55mm	310mm x 600mm x 55mm	410mm x 600mm x 55mm	540mm x 600mm x 55mm
WARRANTY	5 Years			

### **HIGH HEAT LOW PROFILE**

WATTAGE	48W
CONNECTED POWER	43.2W
INPUT VOLTAGE	190-260VAC
POWER CONSUMPTION	208mA@220VAC
OPERATING TEMP	-20 °C - 65°C (Ambient)
LIGHT OUTPUT	4 752 Lumens (Hot Lumens)
RATED LIFETIME	>80000 HRS
WEIGHT	1.3 Kg
DIMENTIONS	1498mm x 50mm x 13mm
WARRANTY	5 Years









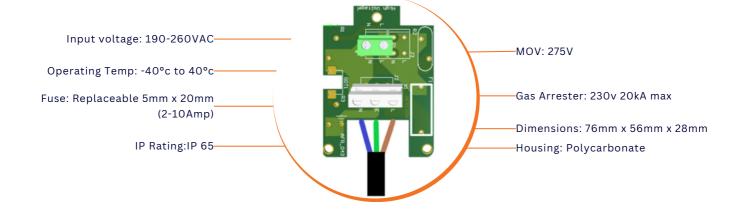


# **SPECIAL APPLICATIONS**

### **ZONE 2 SPEC**

WATTAGE	20W	40W	60W	
CONNECTED POWER	20W	40W	60W	
INPUT VOLTAGE	190-240VAC			
POWER CONSUMPTION	90mA@220VAC 180mA@220VAC 272mA@220VAC			
LIGHT OUTPUT	1980 Lumens (Hot Lumens)	3960 Lumens (Hot Lumens)	5940 Lumens (Hot Lumens)	
WEIGHT	0.5 Kg	0.8 Kg	1.1 Kg	
DIMETIONS	633mm x 50mm x 13mm	1030mm x 50mm x 13mm	1493mm x 50mm x 13mm	
BEAM ANGLE		120°		
WARRANTY		5 Years		
IP RATING		IP 66		
CERTIFICATION BODY	Explolabs Explosion Prevention Services			
IA CERTIFICATION NO	S-XPL/19.0315 X			
EX-MARK	Ex nA IIC T4 Gc IP66			
STANDARDS	SANS 60079-0: 2012 Ed5 IEC 60079-0: 2011 Ed6			
Explosive atmospheres Part 0: Equipment – General requirements			equirements	
STANDARDS		SANS 60079-15: 2010 Ed 4 IEC 60079-15: 2010 Ed 4		
STANDARDS	Explosive atmospheres Part 15: Equipment protection by type of protection "n"			
PROTECTION AFFORDED	Enhanced			
PROTECTION LEVEL	Gc & Group II			
PERFORMANCE	Suitable for all Operations			
SURFACE TEMP	T4 (135 °C)			
WARNINGS	Static hazard – only wipe with damp cloth. Do not open when energized			

### **20KA PROTECTION UNIT**































# COMPLETED PROJECTS



















### THANK YOU TO

## **ALL OF OUR DISTRIBUTORS & END USERS**





























































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