

**INDUSTRIAL  
COMMERCIAL  
HORTICULTURAL**



LED LIGHTING CATALOGUE

**PURE LIGHT**

# CLIENTS



Pure Light LED Products (Pty) Ltd., is a South African LED lighting manufacturer based in Johannesburg.

Founded in 2012, designing and producing high end quality LED products for all sectors including industrial, warehousing, commercial, retail, healthcare, mining, and specialized horticultural lights for agriculture.

Product ranges of led luminaires includes, high bays, low bays, flood lights, street lights, parking lights, horticultural lights, and UVC disinfection lights used in the combat of COVID.

A company working in close collaboration with its customers ensuing optimal project designs, investment, financial returns and technical requirements.



## Reasons to work with us

- 1 Proudly South African.** A proudly South African manufacturing company, servicing South Africa and our neighbors.
- 2 Team of professionals.** Extensive experience in R&D, lighting design, and manufacture
- 3 Expert knowledge.** Deep understanding of technical requirements for projects, with comprehensive specialized site surveys, design and support capabilities
- 4 Efficiency and Quality.** Emphasis is on quality and efficient luminaire design. For long-term sustainable solutions using only best quality components
- 5 Specialised products and designs.** A full range of high end industrial and commercial products with specialized modular design providing complete solutions, flexibility and unique applications
- 6 Track record.** A successful track record of small to large projects with major national and international clients
- 7 Lighting Management Services.** Energy Saving with complex LED solutions and LMS systems

## Design & manufacturing partners



# CONTENTS

## INDUSTRIAL - HIGH BAYS & FLOOD LIGHTS



**Master**  
High bay



**Warehouse Master**  
High bay



**Architect Master**  
High bay



**Vega**  
High bay

## INDUSTRIAL - LOW BAYS



**LED Line IP65**  
Commercial



**Base Light**  
Low bay

## STREET & PARKING



**Street Master**



**Street Vega**

## HORTICULTURAL



**Green Master**



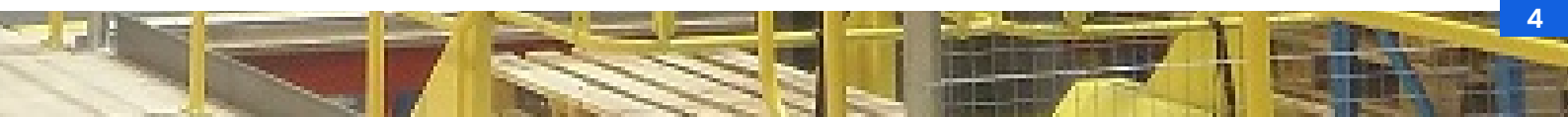
**Green Base**





## IMPERIAL HEALTH SCIENCES

**Year:** 2018, February  
Installation at new IHS warehouse  
Height 18m. Lights installed: 100W Warehouse Master high bays



# LIGHT MANAGEMENT SYSTEM

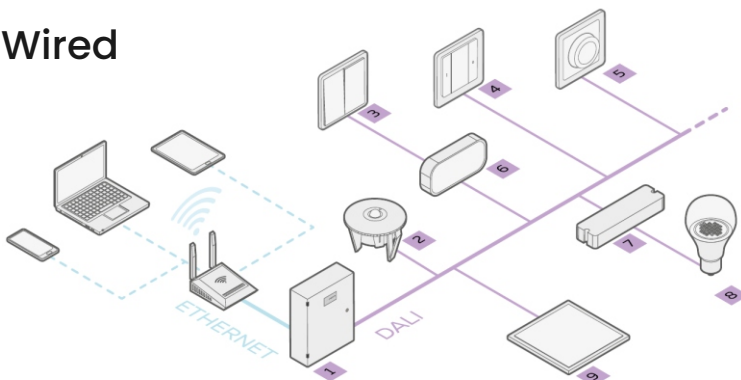
## AWADA DALI CONTROL MANAGEMENT SYSTEM

- Bi-directional communication - send commands to and receive information from light fittings
- Maximise energy savings - occupancy, daylight harvesting, time scheduling
- Area management & control
- Scalability
- Fault notification
- Quick and easy change of light settings
- Sensor remote settings & control
- Manual & automatic control
- Smooth dimming
- Scalability
- Can be integrated into high-level bms (scada/bms)
- Improved productivity and workplace safety
- Comfortable working environment
- Compliance with legal and industry requirements



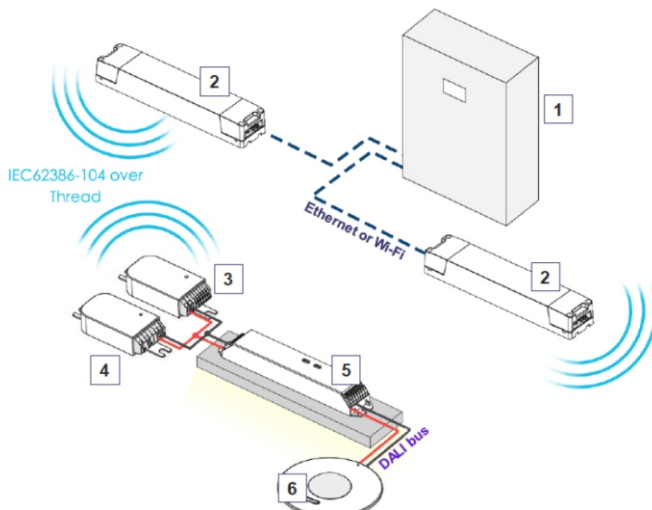
## SIMPLE WIRING TOPOLOGY

### Wired



### Wireless - RF

Easy and fast Plug&Play solution without wiring and installation costs.



1. AWADA switchboard box containing all the necessary components for system operation.
2. Wireless network controller DAP-AC - deploys a wireless subnet, can communicate with up to 63 devices.
3. Wireless module DAP-BRIDGE - used to connect DALI devices to a wireless subnet.
4. DALI bus power supply - provides power for DALI local bus devices in the wireless subnet
5. LED luminaire driver
6. DALI-2 motion and light sensor



WINDOWS



LINUX

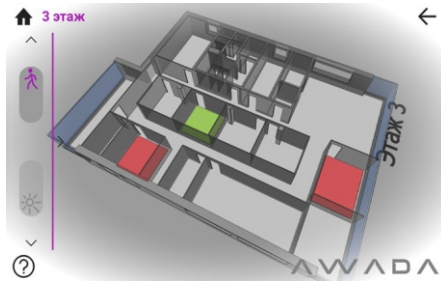


APPLE



ANDROID

# DYNAMIC 3D INTERFACE



AREA MANAGEMENT



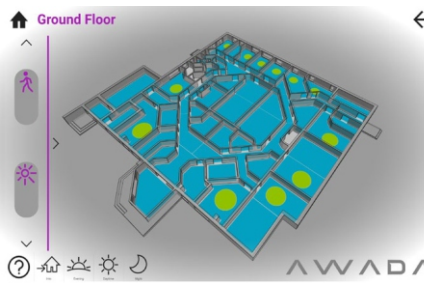
POWER CONSUMPTION REPORTING



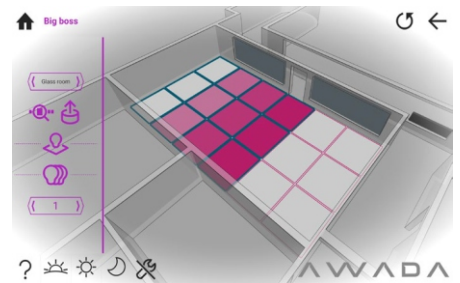
DETECTION AND NOTIFICATION REPORTING



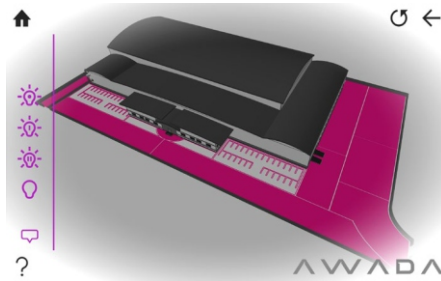
SCHEDULED OPERATIONS



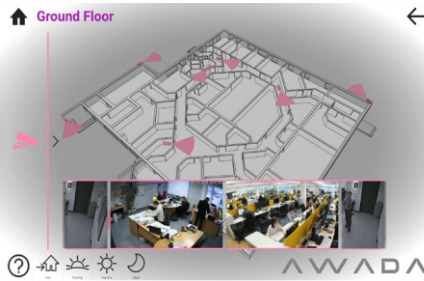
SENSOR CONTROL



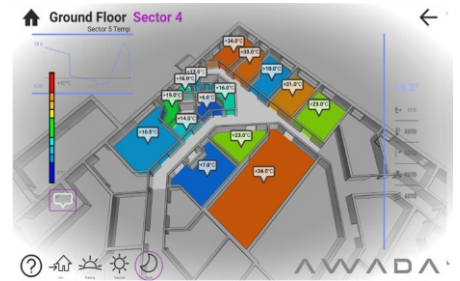
LUMINAIRE CONTROL



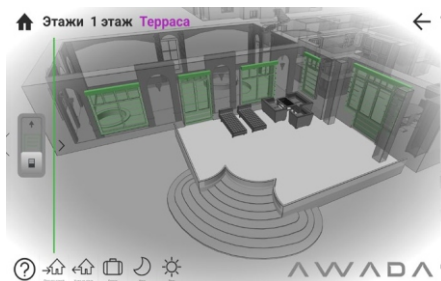
SCALING



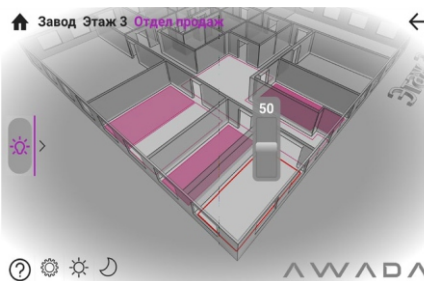
CCTV SURVEILLANCE



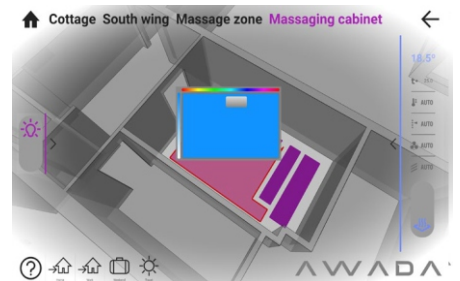
CLIMATE CONTROL



DRIVE CONTROL:  
GATES, DOORS



DIMMERS CONTROL



COLOUR CHANGING



140 - 150  
L/W

# MASTER Generation 2



Range of high bays lights designed for illumination of interior premises in hangars, warehouses, cold storage facilities, production premises etc.

Ideal to use in any environment with heights 8m to 25m

# MASTER HIGH BAY

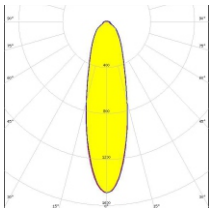


Operating Voltage 170 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection 4kV  
 Power Factor > 0.97  
 CRI +70 / +80 optional  
 Colour temperature 4000K optional  
 Weight: 1.1kg, 1.7kg; 2,3kg; 3,5kg  
 Dimming optional. Range 1% to 100%  
 (DSI, DALI)

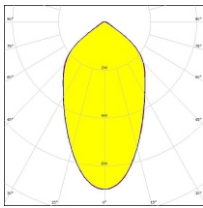
LED Code L80B10

## Light Diagram

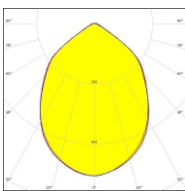
S - 29.0°



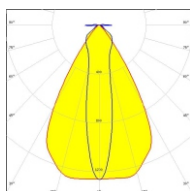
M - 61.0°



W - 87.0°



O - 63° + 20°



Product Code	Power	Colour Temp. K	Luminous Flux (Lm)	Product Code
Master 2	67W	5000K	9 800	M2Su-X-5K
Master 3	99W	5000K	14 150	M2Su-X-5K
Master 4	135W	5000K	19 600	M2Su-X-5K
Master 5	166W	5000K	23 950	M2Su-X-5K

Optional items	Code	Image
Side mount hanger bracket	CS00161-005-11	
DALI2 driver	DALI2	
D4i driver	D4i	





## BMG GROUP NEW WAREHOUSE

**Year:** 2016, September  
Installation at Bearing Man Group new warehouse in Johannesburg South  
Height 17.5m. Lights installed: 80W Antares Beta Led high bays

120  
L/W

# WAREHOUSE MASTER



Specialised low glare high bay for the warehouse environment, industrial and commercial premises.

Designed for illumination of narrow gangways, as in high rise storage or maintenance areas with a requirement for increased illumination levels. Special prismatic diffuser allow to achieve low glare effect and superior light uniformity. Keeping workers comfortable when looking up while shelves loading/off-loading.

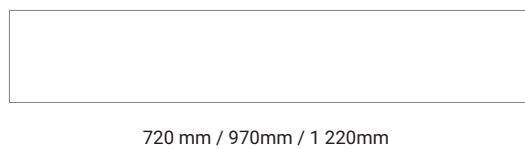
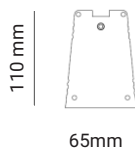
Specific elongated radiation pattern for better illumination of racks and areas in-between.

Most efficient usage at suspension heights between 10m and 20m. Due to super bright LED modules required 200-250lx of lighting output easily provided.

Light can be supplied with trunking, specifically wired and equipped with clip-in connectors, making suspension and installation fast and easy.

Compatible with Throne BMS

# WAREHOUSE MASTER HIGH BAY

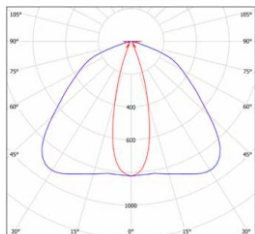


Operating Voltage 170 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection 2kV to 4kV  
 Power Factor > 0.97  
 CRI +70 / +80 optional  
 Colour temperature 4000K optional  
 Weight: 1.1kg, 1.7kg; 2,3kg; 3,5kg  
 Dimming optional. Range 1% to 100%  
 (DSI, DALI)

LED Code L90B10

## Light Diagram

O



A medium round beam with low glare and excellent cut-off, M is designed for high bay applications with high mounting heights.

O designed to be used in high bay applications with narrow spaces, for example corridors between shelves. O has an oval-shape beam with excellent cut-off.

Product Code	Power	Colour Temp. K	Luminous Flux (Lm)
Warehouse Master 3	100W	5000K	11 000
Warehouse Master 4	137W	5000K	15 000
Warehouse Master 5	167W	5000K	20 120

Optional items	Code	Image
Side mount hanger bracket	CS00161-005-11	
DALI2 driver	DALI2	
D4i driver	D4i	





## AMROD NEW WAREHOUSE & OFFICE

**Year:** 2016, July  
New installation at Waterfall Estate, Johannesburg  
Height 19.5m. Lights installed:  
135W Led Logist warehouse high bays, 193W Sky led high bays



130  
L/W

# ARCHITECT MASTER

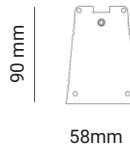


Architect Master range of increased brightness flood lights designed for illumination of exterior wall, bill boards and any other exterior objects.

Ideal to use in all heights up to 10m, to replace 150W, 250W, 400W classical flood lights.

All LED chips have an individual optic lens, so light is channeled in the right direction with maximum efficiency and minimum light pollution. Aluminum extrusion housing allows installation in wet environments, including coastal areas with high level of salty humidity (18-20 $\mu$  anodization on the extruded profile and brackets is painted after hot galvanized. Available on request).

# ARCHITECT MASTER

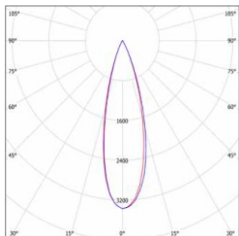


Operating Voltage 170 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection 10kV  
 Power Factor > 0.97  
 CRI +70 / +80 optional  
 Colour temperature 3000K or RGB optional  
 Weight: 1.1kg, 1.7kg; 2,3kg; 3,5kg  
 Dimming optional. Range 1% to 100%  
 (DSI, DALI)

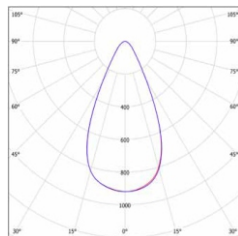
LED Code L90B10

## Light Diagram

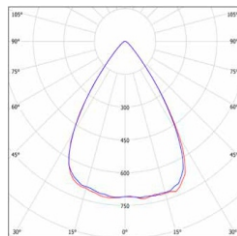
M



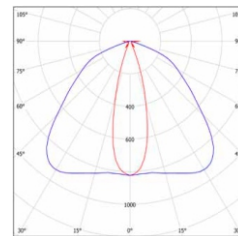
W



WW



O



A medium round beam with low glare and excellent cut-off, M is designed for high bay applications with high mounting heights.

W meets DLC high bay requirements. It has an optimal light distribution with a wide rectangular light pattern, low glare and excellent cut-off.

WW is an extra wide version of W, having a round light pattern with low glare and excellent cut-off. It can be used in high bay applications with lower mounting heights and also in low bay applications due to the width of its beam.

O designed to be used in high bay applications with narrow spaces, for example corridors between shelves. O has an oval-shape beam with excellent cut-off.

Product Code	Power	Colour Temp. K	Luminous Flux (Lm)
Architect Master 1	34W	4000K/5000K	4 100
Architect Master 2	67W	4000K/5000K	8 250
Architect Master 3	100W	4000K/5000K	12 600





## SPAR NORTH RAND DC

**Year:** 2017, August

Installation at Spar North Rand Distribution Centre, Johannesburg  
Height 10.5m. Lights installed: 100W Warehouse Master Led high bays

145 L/W

# VEGA

## Generation 3



Vega Generation3 range of flood lights designed for illumination of exterior wall, bill boards and any other exterior objects.

Ideal to use in all heights up to 35m, to replace 50W, 100W, 150W, 250W, 400W classical architectural and flood lights.

All LED chips have an individual optic lens, so light is channeled in the right direction with maximum efficiency and minimum light pollution. Aluminum extrusion housing allows installation in wet environments, including coastal areas with high level of salty humidity (18-20 $\mu$  anodization on the extruded profile and brackets is painted after hot galvanized. Available on request).

# VEGA GENERATION 3



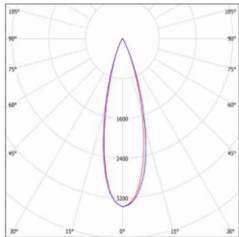
Operating Voltage 170 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection 40kV  
 Power Factor > 0.97  
 CRI +70 / Optional +80

LED Code L80B10

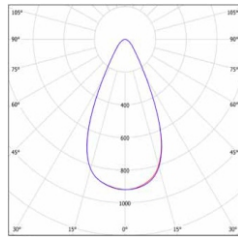
## Light Diagram

## Light Diagram

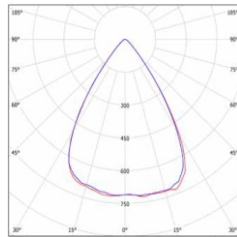
M



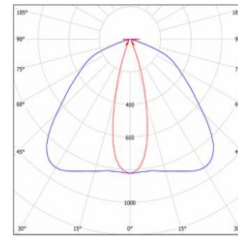
W



WW



O



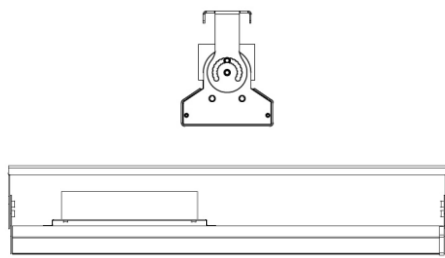
Description	Power	Colour Temp. K	Luminous Flux (Lm)	Product Code
Vega 1	34W	4000K/5000K	4 900	VG3-1-X-XK
Vega 2	67W	4000K/5000K	9 800	VG3-2-X-XK
Vega 3	99W	4000K/5000K	14 150	VG3-3-X-XK
Vega 4	135W	4000K/5000K	19 600	VG3-4-X-XK
Vega 6	200W	4000K/5000K	28 200	VG3-6-X-XK
Vega 9	300W	4000K/5000K	43 400	VG3-9-X-XK
Vega 12	408W	4000K/5000K	58 800	VG3-12-X-XK
Vega 15	510W	4000K/5000K	73 500	VG3-15-X-XK

Optional: Front hardened glass for extra protection

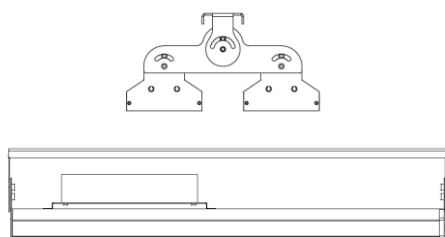
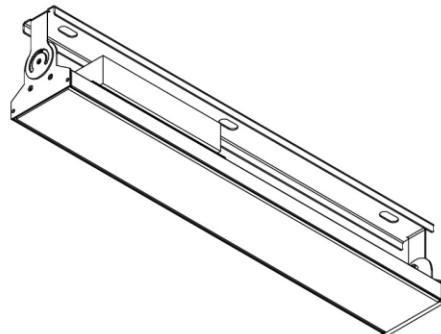
Area and car park lighting: Stadium and sports field lighting, High-mast lighting, floodlighting, symmetrical floodlighting.

Architectural outdoor lighting: Floodlighting, projector lighting, Industrial lighting: Highbay lighting, Midbay lighting.

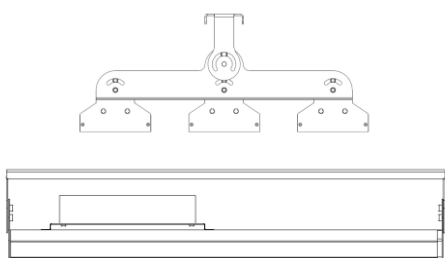
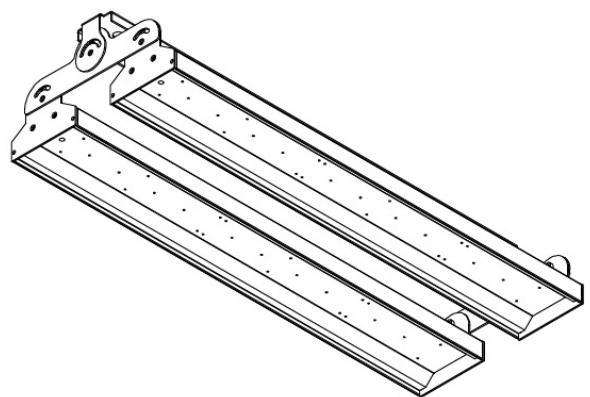
# VEGA GENERATION 3



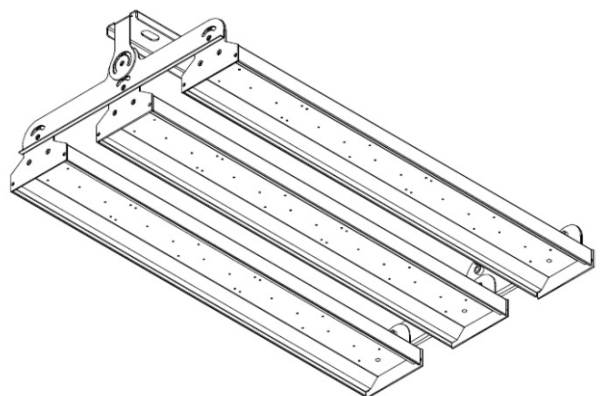
Luminaire	Width	Height	Length
Vega 1	114mm	144mm	280mm
Vega 2	114mm	144mm	560mm
Vega 3	114mm	144mm	840mm



Luminaire	Width	Height	Length
Vega 4	280mm	142mm	560mm
Vega 6	280mm	142mm	840mm



Luminaire	Width	Height	Length
Vega 9	448mm	182mm	840mm
Vega 12	600mm	182mm	840mm
Vega 15	750mm	182mm	840mm





## HALEWOOD INTERNATIONAL

**Year:** 2013, July  
Installation at Halewood International factory, Johannesburg  
Height 6m. Lights installed: 100W Sky Led high bays

MIN



MAX









## RICHARDS BAY COAL TERMINAL

**Year:** 2016, November

Test installation at Richards Bay Coal Terminal

Height 35m. Lights installed: 360W Led Vega 8 flood lights

Custom optics to highlight narrow rail road ways up to 100m distance

120  
L/W

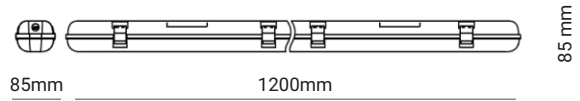
# LED LINE IP65



Led Line IP65 family of low bays lights designed for illumination of interior and exterior premises in hangars, warehouses, cold storage facilities, production premises etc.

Ideal to use in any environment with heights 2,5m to 6m.

# LED LINE IP65 LOW BAY



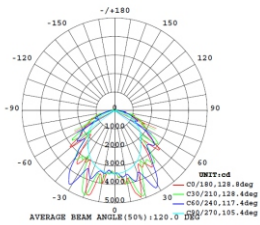
Operating Voltage 170 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection up to 4kV  
 Power Factor > 0.97  
 CRI +70 / +80 optional  
 Supplied with 120° beam angle  
 Weight: 1.6kg / 2.1kg

LED Code L90B10

Product Code	Power	Colour Temp. K	Luminous Flux (Lm)
Led Line IP65-35	38W	4000K/5000K	4 350
Led Line IP65-55	55W	4000K/5000K	6 600
Led Line IP65-100	100W	4000K/5000K	12 000

## Light Diagram

120°





## ABSA AUCKLAND PARK CALL CENTRE

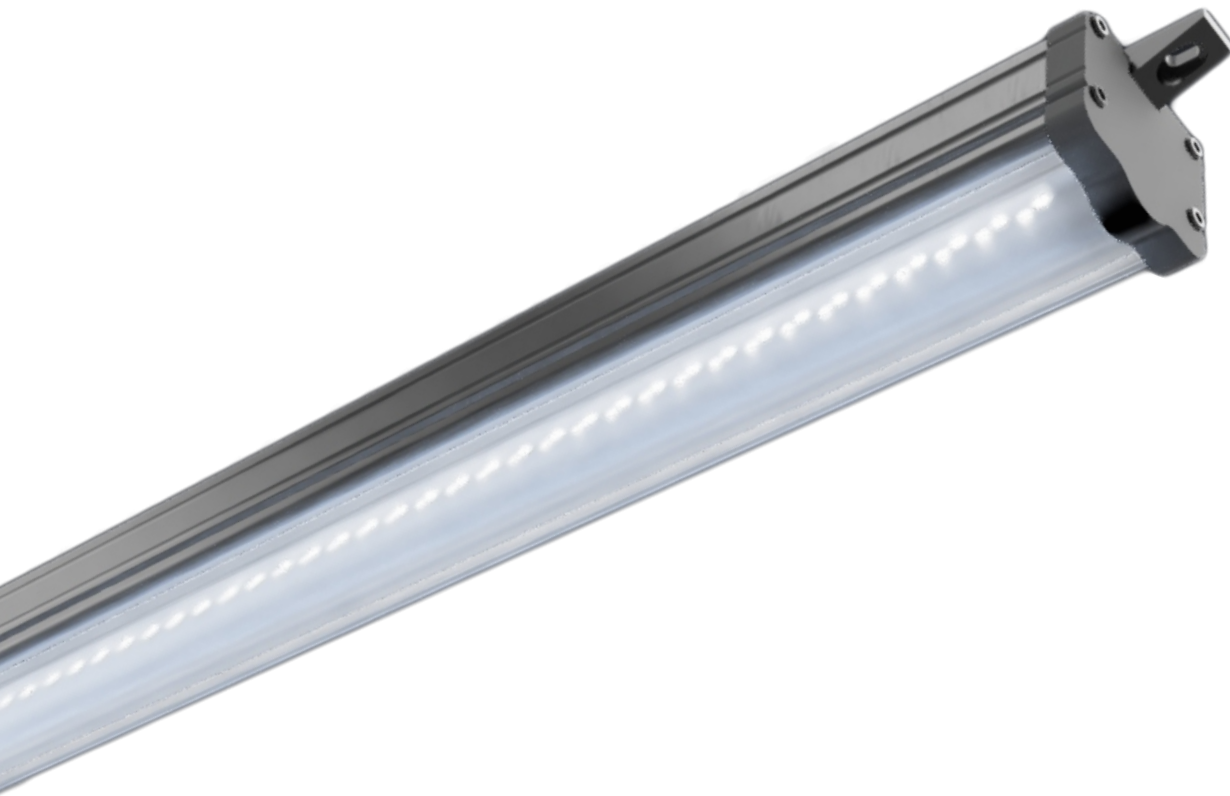
**Year:** 2014, September - November

Complete replacement of currently installed 250W/400W HIPE high bays with Sky 93W and 193W Sky high bays. New lights have day light 4000K colour temperature



140  
L/W

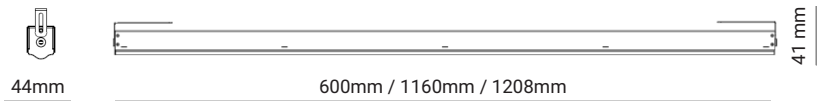
## BASE LED



Base Led family of low bays lights designed for illumination of interior premises in hangars, warehouses, cold storage facilities, passages, production premises etc.

Ideal to use in any environment with heights 2,5m to 6m.

# BASE LED LOW BAY



Operating Voltage 198 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection up to 2kV  
 Power Factor > 0.97  
 CRI +70 / +80  
 Supplied with 60° and 90° beam angle optics  
 Colour temperature 3000K, 4000K optional  
 Weight: 1.1kg

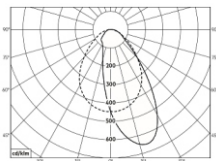
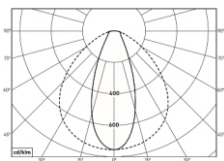
Product Code	Power	Colour temperature	Luminous Flux (Lm)
Base Led 20	19W	5000K	2 350
Base Led 25	25W	5000K	3 550
Base Led 35	38W	5000K	4 700
Base Led 50	50W	5000K	7 100
Base Led 65	62W	5000K	8 650

LED Code L80B10

## Light Diagram

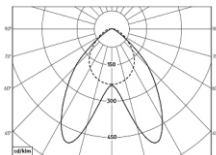
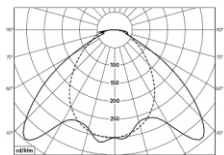
30° - 60° - 90°

Asymmetric



Batwing

Double asymmetric



## Optional items

## Code

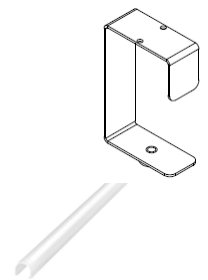
## Image

Side mount hanger bracket CS00161-005-11

High transmission diffuser transparent 94 %  
 High transmission diffuser semi-transp 87 %  
 High transmission diffuser matt 76 %

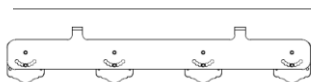
DALI2 driver DALI2

D4i driver D4i

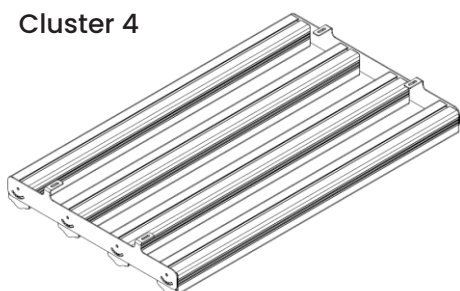


Base Led Low bay lights can be combined in clusters with 2, 3 and 4 luminaires in set. Each light can be turned on angle of 15°, 30° and 45° and fixed in its position

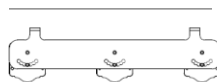
362 mm



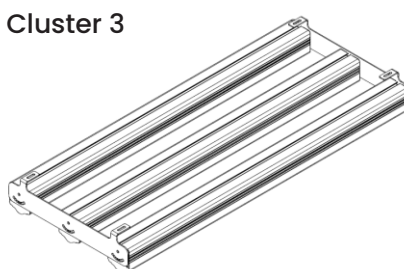
Cluster 4



256 mm



Cluster 3



150 mm

106mm



Cluster 2







**CELL  
05**

**CELL  
06**

**CELL**

**CELL  
14**



## AMROD NEW WAREHOUSE & OFFICE

Year: 2016, July  
New installation at Waterfall Estate, Johannesburg  
Lights installed: 48W Led Line low bays



## SEQUENCE LOGISTICS WAREHOUSE

**Year:** 2018, July -September

Installation of new high bay and low bay lights at new refrigeration facility

Lights installed: 170W Master 5 high bays and 50W Base low bays





## NEW LEROY MERLIN HARDWARE STORE

**Year:** 2018, July -September. Stoneridge / Edenvale

Installation of low bays

Lights installed: 38W and 50W Base low bays



Here,  
we transform  
your questions into...

125  
L/W

# STREET MASTER



High Brightness parking and street lights, equivalent to 70W nd 125W HPS.  
Ideal to use for heights 5m to 8m

# STREET MASTER



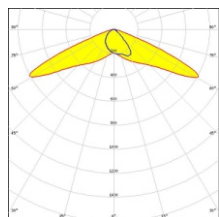
Operating Voltage 198 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection 10kV / 40kV  
 Power Factor > 0.97  
 CRI +70 / +80 optional  
 Colour temperature  
 3000K, 5000K optional  
 Weight: 2.5kg

Product Code	Power	Colour Temp. K	Luminous Flux (Lm)	Product Code
Street Master1	34W	4000K/5000K	4 900	SM1Su-X-XK
Street Master2	67W	4000K/5000K	9 800	SM2Su-X-XK
Street Master3	99W	4000K/5000K	14 150	SM3Su-X-XK

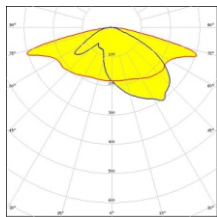
LED Code L90B10

## Light Diagram

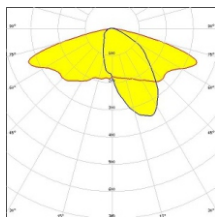
T1 A



T3



T2



T1 A - Asymmetric IESNA Type I (short) beam designed for tilted poles

T2 - IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads

T3 - IESNA Type III (medium) beam for roads that are equal to or wider than mounting height





## SPAR SOUTH RAND DC

**Year:** 2016, November

Installation at Spar South Rand DC, Johannesburg

Height 6m. Lights installed: 48W Led Line Low bay lights



125  
L/W

# STREET VEGA



High Brightness 125lm/w street and highways light. Equivalent to 250W and 400W HPS street lights

# STREET VEGA



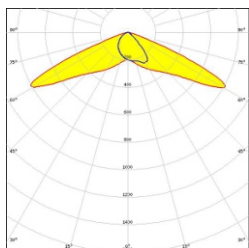
Operating Voltage 198 ~264VAC  
 Overvoltage Protection 320V AC, 48h  
 Burst/Surge Protection 40kV  
 Power Factor > 0.97  
 CRI +70 / +80 optional  
 Colour temperature  
 3000K and 5000K optional  
 Weight: 5kg

Product Code	Power	Colour Temp. K	Luminous Flux (Lm)	Product Code
Street Vega 4	135W	4000K/5000K	19 600	SV-X-XK
Street Vega 5	166W	4000K/5000K	23 950	SV5-X-XK
Street Vega 6	200W	4000K/5000K	28 200	SV6-X-XK

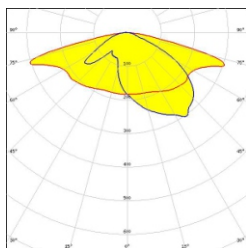
LED Code L90B10

## Light Diagram

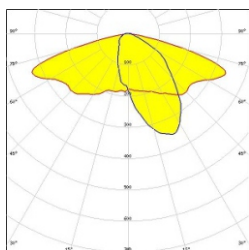
T1 A



T3



T2



T1 A - Asymmetric IESNA Type I (short) beam designed for tilted poles

T2 - IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads

T3 - IESNA Type III (medium) beam for roads that are equal to or wider than mounting height



## NEW LEROY MERLIN HARDWARE STORE

**Year:** 2018, July -September. Stoneridge / Edenvale

Installation of street lights

Lights installed: 200W Vega 6 street lights







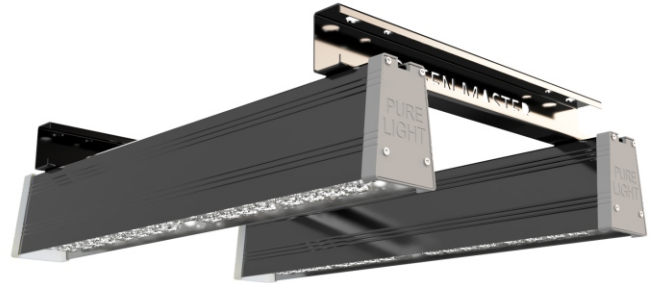
# HORTICULTURE LIGHTING

Modular horticultural led lights designed for plant growth, seeding, flowering and fruiting. Scalable from single bar to modular design, able to satisfy needs of any cultivators from home based to large-scale industrial green-house farming projects



# GREEN MASTER

Photon Flux Efficacy	2,87µmol/J /360-780nm
Operating Voltage	196 ~264VAC
Overvoltage Protection	320V AC, 48h
Burst/Surge Protection	2kV to 4kV
Power Factor	> 0.97
Driver	Internal, industrial
Thermal Management	Passive
Optics	30°, 60°, 90°
Dimming	1% to 100% (DSI, DALI2)
LED Code	L80B10

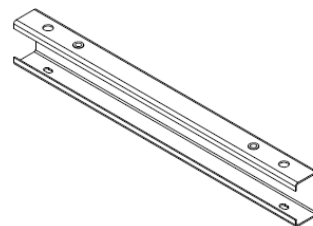


## SINGLE BAR

Model	Power	Length	
Green Master 1	34W	260 mm	
Green Master 2	67W	525 mm	
Green Master 3	100W	790 mm	
Green Master 4	137W	1055 mm	
Green Master 5	170W	1315 mm	

## FRAME FOR MODULAR DESIGN

Model	Length
Frame for 2 lights	370 mm
Frame for 3 lights	560 mm
Frame for 4 lights	740 mm



## AUTOMATION

AWADA

AWADA light management system offered for large scale commercial installation. System automatically follows predetermined schedule and adjust brightness. Easily set and controlled via smart phone or tablet

## ACCESSORIES

Luminaires supplied with mounting accessories, enabling easy and fast installation on any surface, cabling tray or P2000 trunking. Suspension kit with adjustable length cables provided for suspension installations.

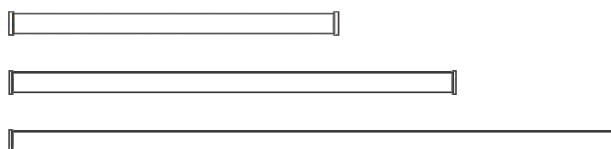
# GREEN BASE

Photon Flux Efficacy	2,26 $\mu$ mol/J /360-780nm
Operating Voltage	196 ~264VAC
Overtoltage Protection	320V AC, 48h
Burst/Surge Protection	2kV
Power Factor	> 0.97
Driver	Internal, industrial
Thermal Management	Passive
Optics	60°, 90°, symmetric
Dimming	1% to 100% (DSI, DALI2)
LED Code	L80B10



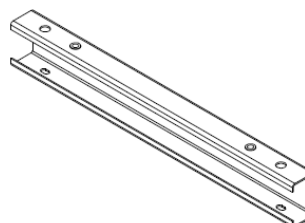
## SINGLE BAR

Model	Power	Length
Green Base 1	22W	600 mm
Green Base 2	43W	1160 mm
Green Base 3	64W	1720 mm



## FRAME FOR MODULAR DESIGN

Model	Length
Frame for 2 lights	370 mm
Frame for 3 lights	560 mm
Frame for 4 lights	740 mm



## AUTOMATION

AWADA

AWADA light management system offered for large scale commercial installation. System automatically follows predetermined schedule and adjust brightness. Easily set and controlled via smart phone or tablet

## ACCESSORIES

Luminaires supplied with mounting accessories, enabling easy and fast installation on any surface, cabling tray or P2000 trunking. Suspension kit with adjustable length cables provided for suspension installations.





## COOK HORTICULTURAL

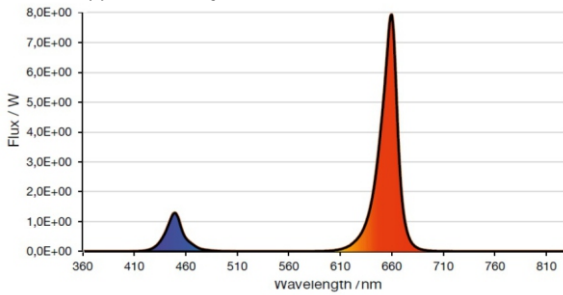
Year: 2020, July  
Apple Trees, Cape Town  
Lights installed: Green Master 4x2

# RECIPES

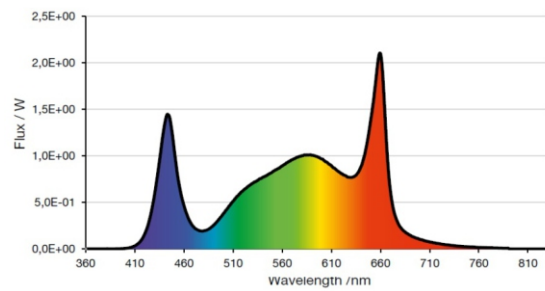
## For plant growth

Efficient creation of photons in photo synthetic active region of 400-700nm. Especially in high absorption region around 450nm and 660nm

*With supplemental light*



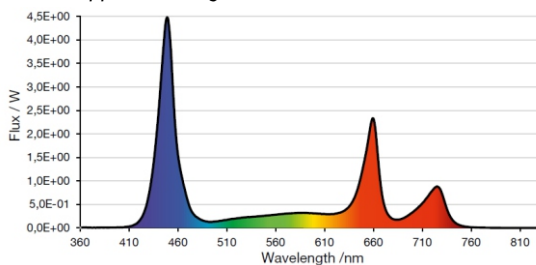
*Without supplemental light*



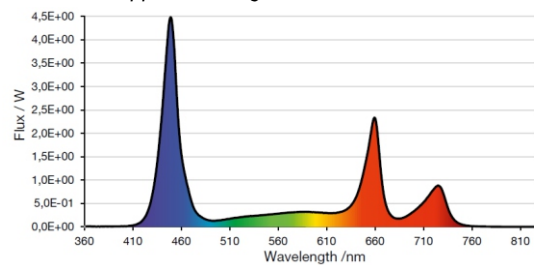
## For seeding

Seedlings need high blue content (450nm) to start germination and sprouting. This can also be supported by far red light (730nm)

*With supplemental light*



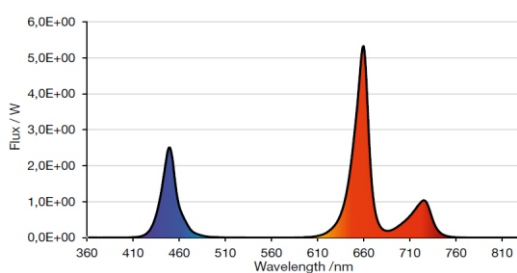
*Without supplemental light*



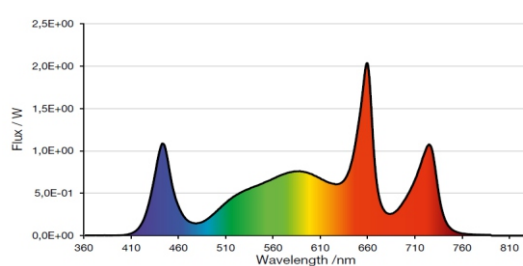
## For flowering

To induce flowering a significant content of far red light (730nm) is necessary. Most important for flowering time is day length

*With supplemental light*



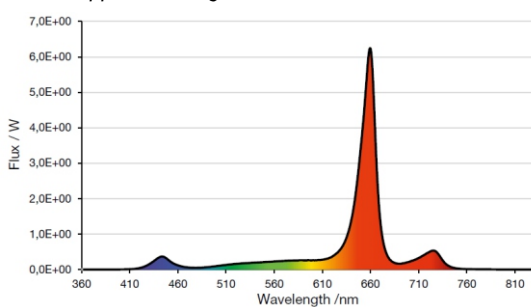
*Without supplemental light*



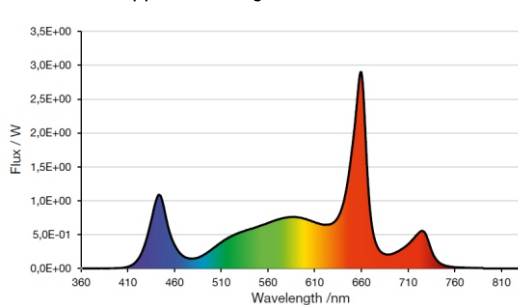
## For fruiting

During fruiting the plant needs a high amount of energy to create the fruit body. A high amount of light for photosynthesis should be provided

*With supplemental light*



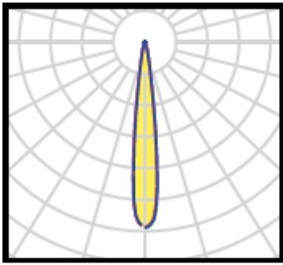
*Without supplemental light*



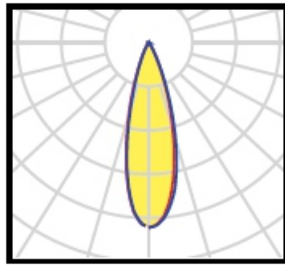
# Generation 1 optic's – Choices for Master and Vega range lights

## High Bay Lighting

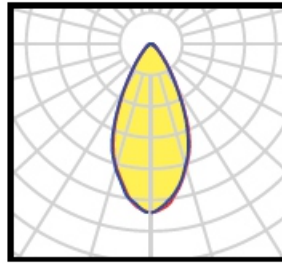
RS - 10°



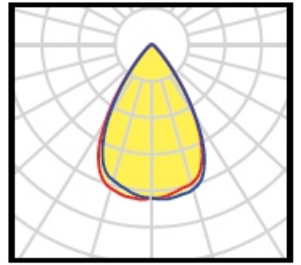
M - 25°



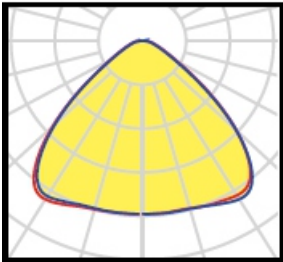
W - 51°



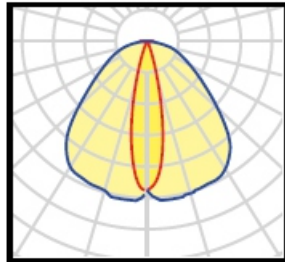
WW - 65°



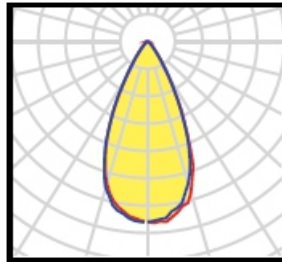
WWW - 65°



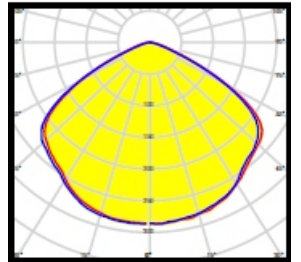
O - 19°+117°



RW - 51°

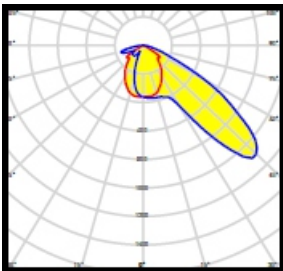


CY

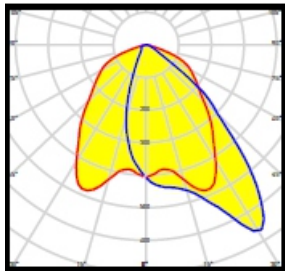


## Area Lighting

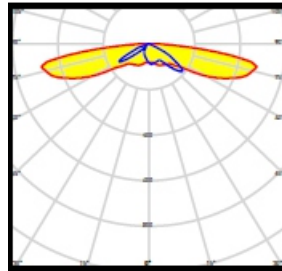
FN - forward throw, narrow beam



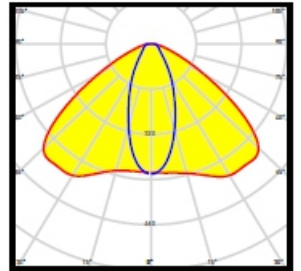
DN - forward throw, wide beam



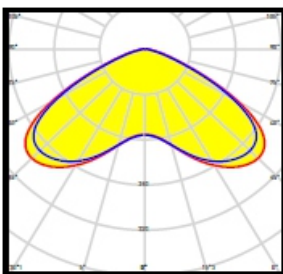
XW - wide beam



B2 - TSP

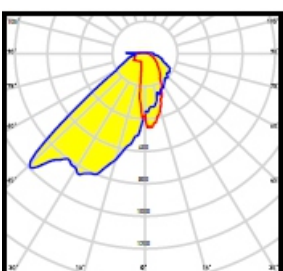


C - TSP

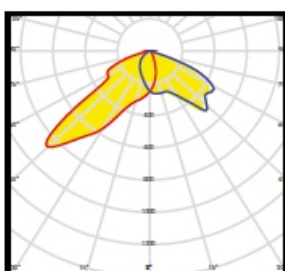


## Pedestrian crossing lighting

PX - For right side traffic



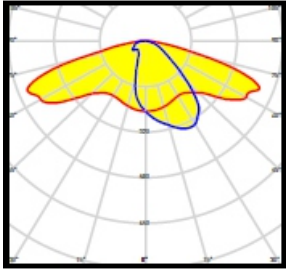
PXL - For left side traffic



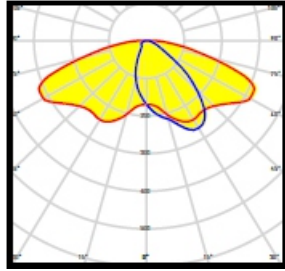
# Generation 1 optic's – Choices for Master and Vega range lights

## Street lighting

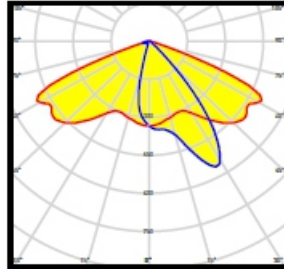
DWC



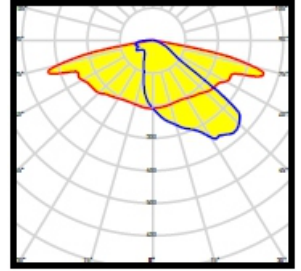
DNW



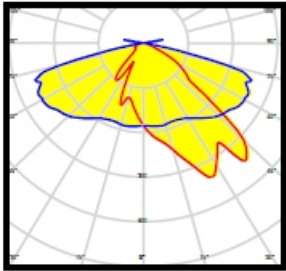
A-T



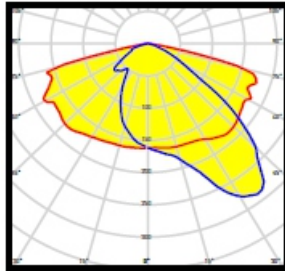
ME



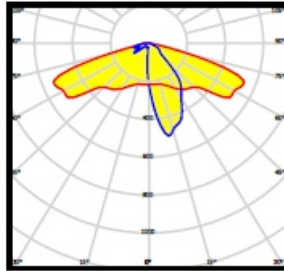
ME - wide 1



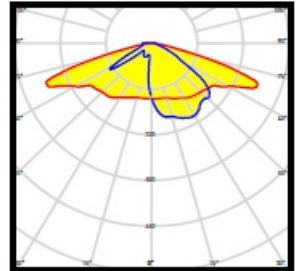
ME - wide 2



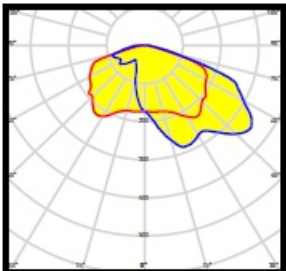
T2



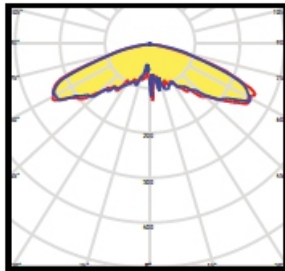
T3



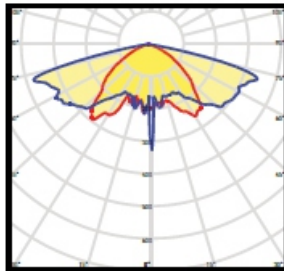
T4



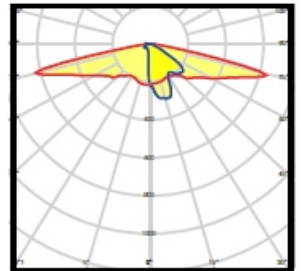
VSM - IESNA Type V Short



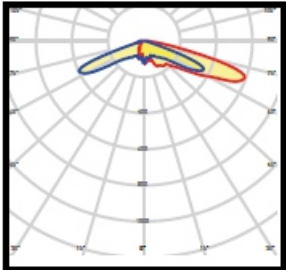
CAT - for catenary luminaires



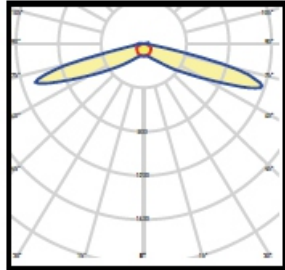
SCL -European S-class



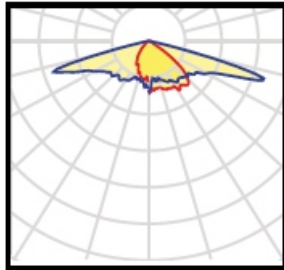
T4 - B



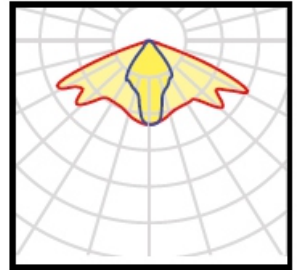
T1



T2 - C

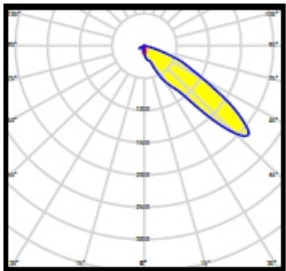


CAT - B



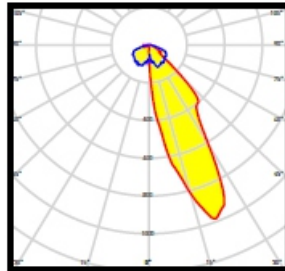
## Tunnel lighting

TF



## Urban lighting, minimal backlight

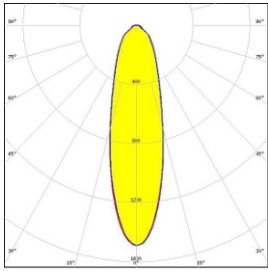
NHS



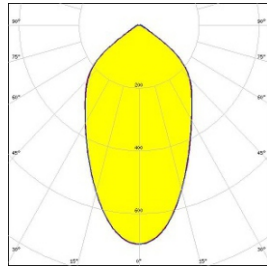
# Generation 2&3 optic's – Choices for Master and Vega range lights

## High Bay Lighting

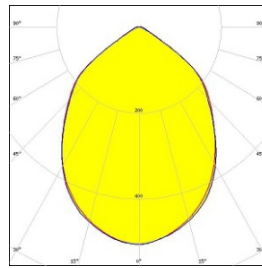
S- ~25° spot beam



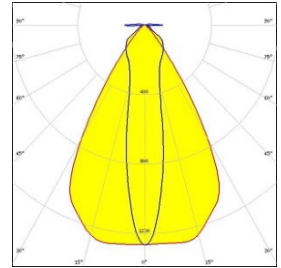
M~60° spot beam



W~90° spot beam

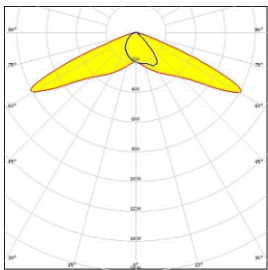


O ~ 63° + 20° spot beam

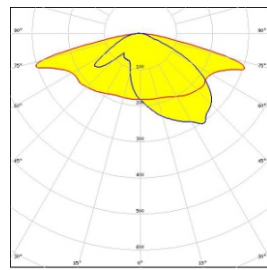


## Street Lighting

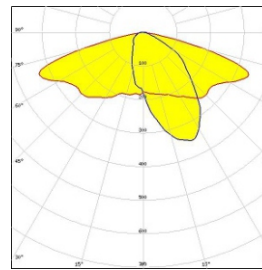
T1 A



T3



T2





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Linbro Business Park, Sandton  
Johannesburg, 2090

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[www.purelightledproducts.com](http://www.purelightledproducts.com)

PURE LIGHT