



EmpyreanTM
LIGHTING

2016/17
Collection

Welcome to the 2016/17 Empyrean Lighting™ Catalogue



We're an award winning, Australian based company who designs, manufactures and supplies ultra-high quality LED lighting solutions for a variety of applications worldwide.

Being at the forefront of the LED revolution, we specialise in design and control and can provide a customised, personal and professional approach for any lighting requirement. We are committed to the continual innovation, research and development of LED technology.



Empyrean Lighting HQ, Capital One Building, Birtinya QLD

OUR MISSION. OUR VISION. OUR VALUES. OUR PROMISE.

Our Mission:

Green Efficient Safe.

Our mission at Empyrean Lighting™ is to protect our planet and improve our quality of life by presenting an efficient, green and safe lighting alternative to the worldwide market.

Our Vision:

At Empyrean Lighting™ we have set our sight on being one of the pre-eminent LED lighting designers and distributors in the world. No small feat considering the traditional nature of the lighting industry.

As LED specialists we ensure our finger is on the pulse of this dynamic technology and that we are playing an active role in its development and proliferation.

Our Values:

Empyrean Lighting™ is a company strengthened by its core values. While we pride ourselves on our modern thinking, cutting edge technology and business practices, we proudly uphold traditional standards of conduct and ethics throughout our organisation.

Simple courtesies like politeness, respect, mutual trust and customer satisfaction are paramount in even our most basic of interactions. Our goal is to be a company with whom it is a pleasure to do business.

Our Values:

Inherent to Empyrean Lighting™ is our commitment to transparency. We use expert staff to compile and deliver in-depth financial and environmental analysis to clients to ensure expectations are set legitimately. And through our dedication to product quality we further guarantee these expectations are met.



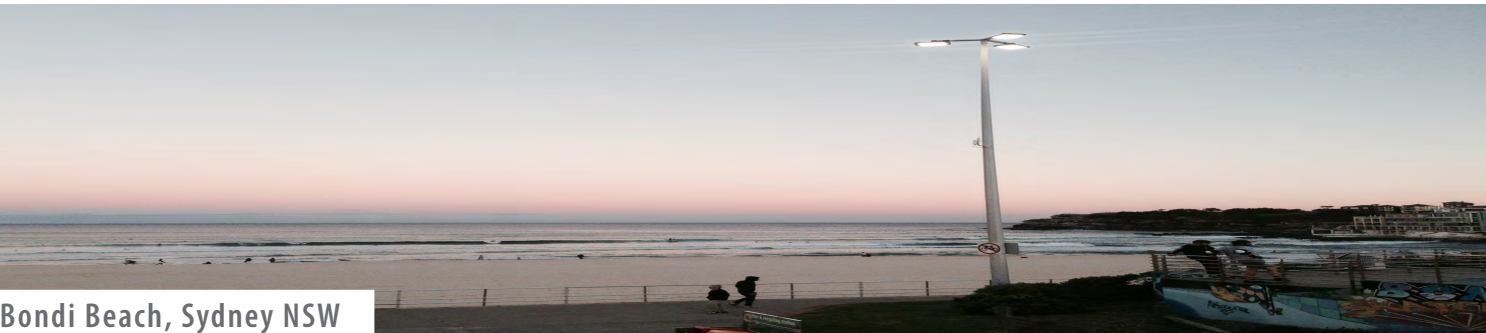
Sunshine Coast University Stadium. QLD



Glencore Xstrata MacArthur River Mine, NT



Morwell Bowls Club, VIC



Bondi Beach, Sydney NSW

AndromedaTM

STANDARD LED SERIES





ANDROMEDA STANDARD RANGE

OUR ANDROMEDA™ SERIES consists of over 9,000 variations of luminaires, each employing Empyrean Lighting's patented pixel rail technology. This innovation ensures unparalleled thermal management which guarantees performance and lifespan.

The incredible versatility in this series is possible through multiple options in output, articulation, frame material, colour, CCT and even specific wavelengths. There is literally an Andromeda™ for every application.

BENEFITS OF OUR RANGE

- USES 50%-75% LESS ELECTRICITY THAN HIGH INTENSITY DISCHARGE LUMINAIRES
- LIFESPAN OF 50,000 HRS+ (TO L70)
- IS IP66
- IS AVAILABLE IN A VARIETY OF POWER, LENS TYPES & ARTICULATIONS FOR ANY ENVIRONMENT OR APPLICATION
- IS AVAILABLE WITH EMERGENCY BATTERY PACKS
- START UP AND SHUT DOWN IMMEDIATELY. PERFECT FOR PHOTO SENSOR OR MOTION SENSOR CONTROLS
- HAS LOW INRUSH & OPERATING CURRENTS
- CONTAINS NO HARMFUL OR TOXIC SUBSTANCES (NO HG) & ARE RECYCLABLE
- DOES NOT EMIT UV RADIATION & DOES NOT REQUIRE UV BLOCKING FILTERS
- HAS ROBUST CONSTRUCTION, PERFECT FOR TOUGH & CHALLENGING CONDITIONS
- ELIMINATES MERCURY RECYCLING COSTS



Andromeda™ Flood

HIGH INTENSITY LED FLOODLIGHTS



PRODUCT INFORMATION

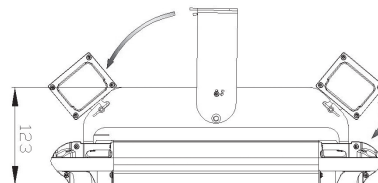
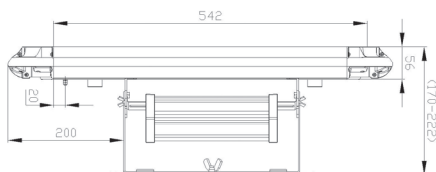
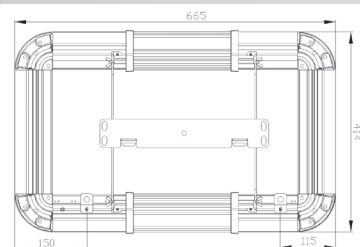


WEIGHT RANGE	3kg to 21.7kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
BRACKET TYPE	Wall Mount, Surface Mount
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V, PE Cell or NEMA 7
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

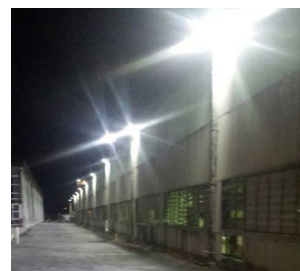
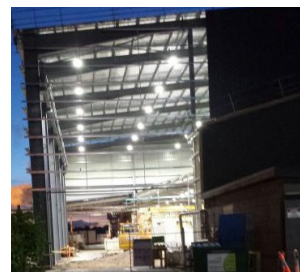
INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC Optional - 5-100%
DIMMABLE	Optional - 5-100%
LIFESPAN	50,000 hours to L70
POWER	30W - 480W
POWER FACTOR	0.9
BEAM ANGLE	Customisable - Refer to lens options page IESNA Type I,II,III distribution
LUMINOUS EFFICACY	XPB - 118 lm/W XPS - 110lm/W
CCT	5,000-5,500K Cool White* >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-Flood-30	30W	3,540	400mA	280	414	170-262	3kg
AndromedaXPB-Flood-40	40W	4,720	400mA	280	414	170-262	4.5kg
AndromedaXPB-Flood-50	50W	5,900	400mA	280	414	170-262	5kg
AndromedaXPB-Flood-60	60W	7,080	400mA	315	414	170-262	6kg
AndromedaXPB-Flood-80	80W	9,440	400mA	350	414	170-262	6.5kg
AndromedaXPB-Flood-100	100W	11,800	400mA	420	414	170-262	7.5kg
AndromedaXPB-Flood-110	110W	12,980	400mA	455	414	170-262	8kg
AndromedaXPB-Flood-130	130W	15,340	400mA	490	414	170-262	8.5kg
AndromedaXPB-Flood-140	140W	16,520	400mA	525	414	170-262	9kg
AndromedaXPB-Flood-160	160W	18,880	400mA	595	414	170-262	11.5kg
AndromedaXPB-Flood-180	180W	21,240	400mA	630	414	170-262	12kg
AndromedaXPB-Flood-200	200W	23,600	400mA	700	414	170-262	13kg
AndromedaXPB-Flood-230	230W	27,140	400mA	770	414	170-262	14kg
AndromedaXPB-Flood-270	270W	31,860	400mA	875	414	170-262	15.7kg
AndromedaXPB-Flood-300	300W	35,400	400mA	980	414	170-262	17.2kg
AndromedaXPS-Flood-360	360W	39,600	600mA	770	414	170-262	16.7kg
AndromedaXPS-Flood-400	400W	44,000	600mA	840	414	170-262	18.7kg
AndromedaXPS-Flood-440	440W	48,400	600mA	910	414	170-262	20.7kg
AndromedaXPS-Flood-480	480W	52,800	600mA	980	414	170-262	21.7kg

TYPICAL APPLICATIONS



Andromeda™ High Mast

SPORTSFIELD & HIGH MAST LED LUMINAIRES



PRODUCT INFORMATION



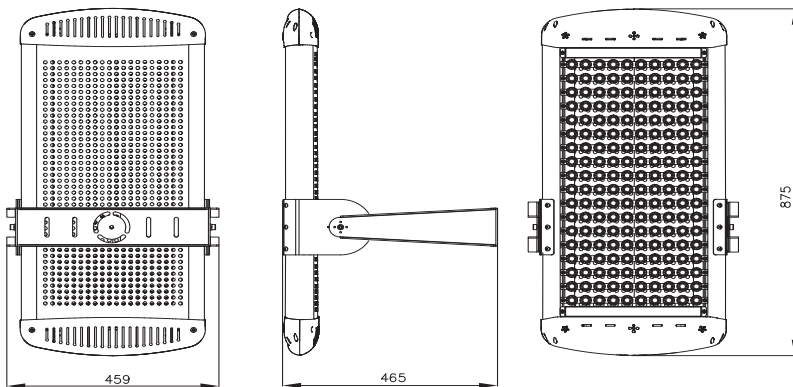
WEIGHT RANGE	16kg - 19.5kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade) Internal drivers can be mounted at pole base
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
BRACKET TYPE	Trunnion
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V, PE Cell, NEMA 7
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
DIMMABLE	Optional - 5-100%
LIFESPAN	50,000 hours to L70
BEAM ANGLE	Customisable - Refer to lens options page
POWER	300W - 450W
DRIVER CURRENT	500mA & 600mA
LUMINOUS EFFICACY	XPB - 118 lm/W XPS - 110lm/W
CCT	5,000-5,500K Cool White* >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

SCHEMATIC OF 300W & 360W HIGH MAST



TYPICAL APPLICATIONS



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-HMast-160	160W	18,880lm	400mA	615	459	222-465	11.5kg
AndromedaXPB-HMast-200	200W	23,600lm	400mA	720	459	222-465	13kg
AndromedaXPB-HMast-300	300W	35,400lm	400mA	875	459	222-465	16kg
AndromedaXPS-HMast-360	360W	39,600lm	600mA	875	459	222-465	17kg
AndromedaXPS-HMast-400	400W	44,000lm	600mA	895	459	222-465	18.5kg
AndromedaXPS-HMast-440	440W	48,400lm	600mA	965	459	222-465	19.5kg
AndromedaXPS-HMast-480	450W	52,800lm	600mA	1,035	459	222-465	20kg

Andromeda™ High/Low Bay

HIGH INTENSITY LED HIGH + LOW BAY LUMINAIRES



PRODUCT INFORMATION

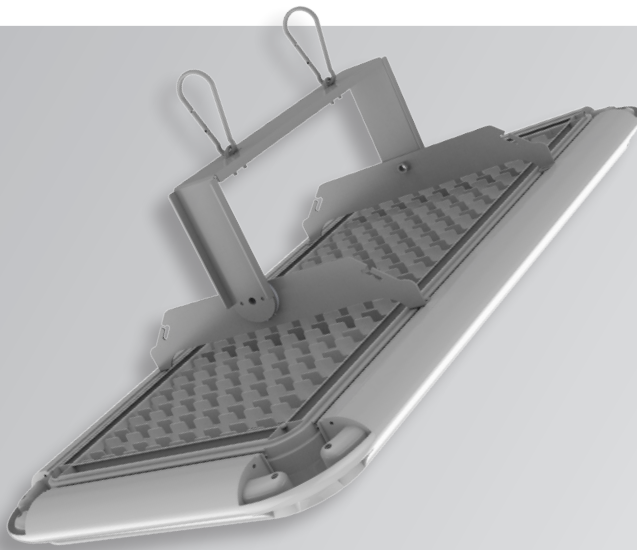


WEIGHT RANGE	3kg to 23kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
BRACKET TYPE	Hook
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

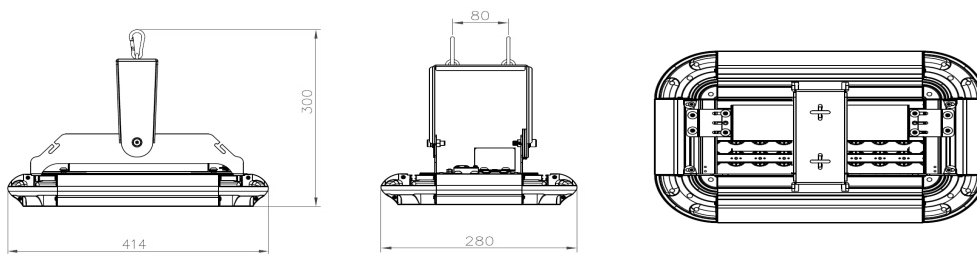
TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC Optional - 5-100%
DIMMABLE	Optional - 5-100%
LIFESPAN	50,000 hours to L70
POWER	30W - 480W
POWER FACTOR	0.9
BEAM ANGLE	Customisable - Refer to lens options page IESNA Type I,II,III distribution
LUMINOUS EFFICACY	XPB - 118 lm/W XPS - 110lm/W
CCT	5,000-5,500K Cool White* >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

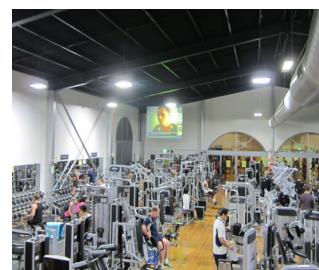
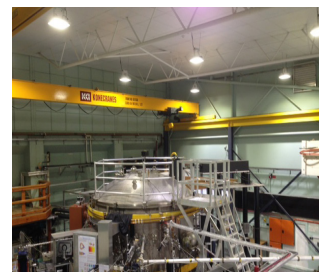


SCHEMATIC OF 30W, 40W & 50W HIGH LOW BAY



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-HLBay-30	30W	3,540	400mA	280	414	300	3kg
AndromedaXPB-HLBay-40	40W	4,720	400mA	280	414	300	3.3kg
AndromedaXPB-HLBay-50	50W	5,900	400mA	280	414	300	3.8kg
AndromedaXPB-HLBay-60	60W	7,080	400mA	315	414	300	4.3kg
AndromedaXPB-HLBay-80	80W	9,440	400mA	350	414	300	4.8kg
AndromedaXPB-HLBay-100	100W	11,800	400mA	420	414	300	5.8kg
AndromedaXPB-HLBay-110	110W	12,980	400mA	455	414	300	6.3kg
AndromedaXPB-HLBay-130	130W	15,340	400mA	490	414	300	6.8kg
AndromedaXPB-HLBay-140	140W	16,520	400mA	525	414	300	7.3kg
AndromedaXPB-HLBay-160	160W	18,880	400mA	595	414	300	8.3kg
AndromedaXPB-HLBay-180	180W	21,240	400mA	630	414	300	10.2kg
AndromedaXPB-HLBay-200	200W	23,600	400mA	700	414	300	11.2kg
AndromedaXPB-HLBay-230	230W	27,140	400mA	770	414	300	12.2kg
AndromedaXPS-HLBay-280	280W	30,800	600mA	630	414	300	10kg
AndromedaXPS-HLBay-300	300W	33,000	600mA	665	414	300	10.5kg
AndromedaXPS-HLBay-360	360W	39,600	600mA	770	414	300	14.9kg
AndromedaXPS-HLBay-400	400W	44,000	600mA	840	414	300	18.7kg
AndromedaXPS-HLBay-440	440W	48,400	600mA	910	414	300	20.7kg
AndromedaXPS-HLBay-480	480W	52,800	600mA	980	414	300	21.7kg

TYPICAL APPLICATIONS





PRODUCT INFORMATION

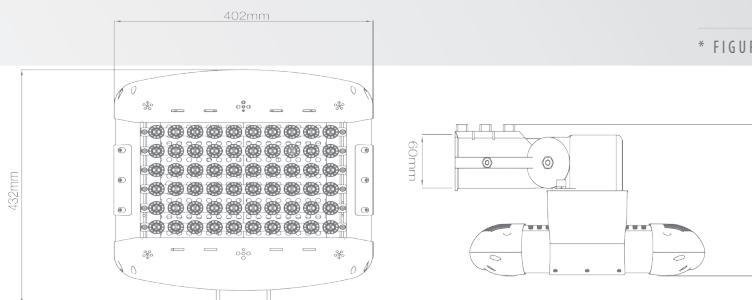
WEIGHT RANGE	6.5kg to 20kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
BRACKET TYPE	Pole, Trunnion or Ceiling Mount
FRAME TYPE	Standard or Slim Line
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

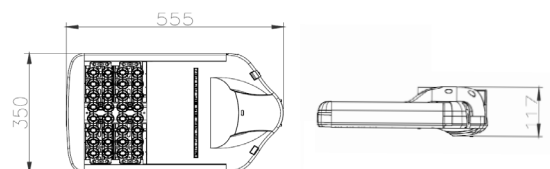
INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
DIMMABLE	Optional - 5-100%
LIFESPAN	50,000 hours to L70
POWER	30W - 480W
POWER FACTOR	0.9
BEAM ANGLE	Customisable - Refer to lens options page IESNA Type I, II, III distribution
LUMINOUS EFFICACY	XPB - 118 lm/W XPS - 110lm/W
CCT	5,000-5,500K Cool White* >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

SCHEMATIC OF 50W, 70W & 80W PARK



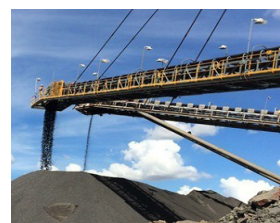
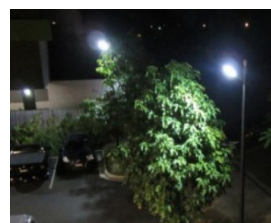
SCHEMATIC OF 40W PARKS



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-Park-30	30W	3,540	400mA	396	402	222	6.5kg
AndromedaXPB-Park-40	40W	4,720	400mA	406	402	222	7kg
AndromedaXPB-Park-50	50W	5,900	400mA	432	402	222	7.5kg
AndromedaXPB-Park-70	70W	8,260	400mA	432	402	222	7.7kg
AndromedaXPB-Park-80	80W	9,440	400mA	432	402	222	8kg
AndromedaXPB-Park-110	110W	12,980	400mA	501	402	222	9kg
AndromedaXPB-Park-120	120W	14,160	400mA	510	402	222	9.5kg
AndromedaXPB-Park-130	130W	15,340	400mA	545	402	222	10kg
AndromedaXPB-Park-150	150W	17,700	400mA	580	402	222	10.5kg
AndromedaXPB-Park-160	160W	18,880	400mA	615	402	222	11kg
AndromedaXPB-Park-190	190W	22,420	400mA	710	402	222	13kg
AndromedaXPB-Park-200	200W	23,600	400mA	745	402	222	13.5kg
AndromedaXPB-Park-230	230W	27,140	400mA	815	402	222	14.5kg
AndromedaXPS-Park-280	280W	30,800	600mA	685	402	222	12.8kg
AndromedaXPS-Park-300	300W	33,000	600mA	720	402	222	13kg
AndromedaXPS-Park-360	360W	39,600	600mA	875	402	222	17kg
AndromedaXPS-Park-400	400W	44,000	600mA	945	400	222	18.6kg
AndromedaXPS-Park-440	440W	48,400	600mA	1,015	400	222	19.6kg
AndromedaXPS-Park-480	480W	52,800	600mA	1,085	400	222	20kg

PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-ParkS-40	40W	4,720	400mA	555	350	117	7.2kg
AndromedaXPB-ParkS-60	60W	7,080	400mA	630	350	117	7.6kg
AndromedaXPB-ParkS-80	80W	9,440	400mA	705	350	117	8kg
AndromedaXPB-ParkS-100	100W	11,800	400mA	780	350	117	8.4kg
AndromedaXPB-ParkS-120	120W	14,160	400mA	855	350	117	8.8kg
AndromedaXPB-ParkS-140	140W	16,520	400mA	930	350	117	9.2kg
AndromedaXPB-ParkS-160	160W	18,880	400mA	1,005	350	117	9.6kg
AndromedaXPS-ParkS-190	190W	20,900	600mA	855	350	117	8.8kg
AndromedaXPS-ParkS-220	220W	24,200	600mA	930	350	117	9.2kg
AndromedaXPS-ParkS-250	250W	27,500	600mA	1,005	350	117	9.6kg

TYPICAL APPLICATIONS



Andromeda™ Linear Motion

HIGH INTENSITY CARPARK / STAIRWELL LUMINAIRE



PRODUCT INFORMATION



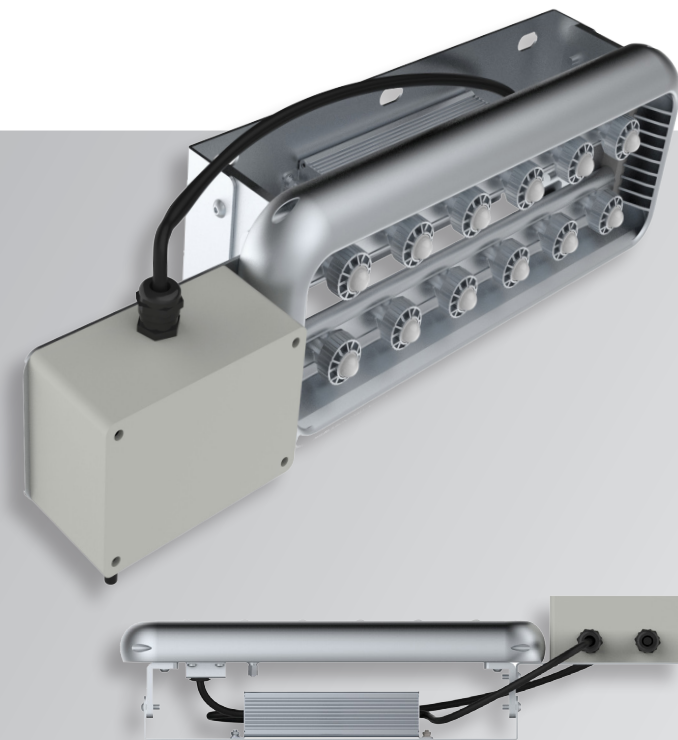
WEIGHT RANGE	4.3kg to 6kg
PRODUCT CODE	AndromedaXPB-LinearMotion
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
EMERGENCY CONTROL	0-10V, PWM
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C
TECHNICAL SPECIFICATIONS	
INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
DIMMABLE	Yes
MOTION SENSOR	Microwave
OPERATING INTERVAL	15 secs to 10 mins
LIFESPAN	50,000 hours to L70
POWER*	21W - 140W
POWER FACTOR	0.9
BEAM ANGLE	Customisable - Refer to lens options page IESNA Type I, II, III distribution available
LUMINOUS EFFICACY	XBS - 118 lm/W XPS - 110 lm/W
CCT	5,000-5,500K Cool White >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >85 (CRI)

* REFER TO LINEAR PAGE FOR POWER OPTIONS AND OUTPUT FIGURES

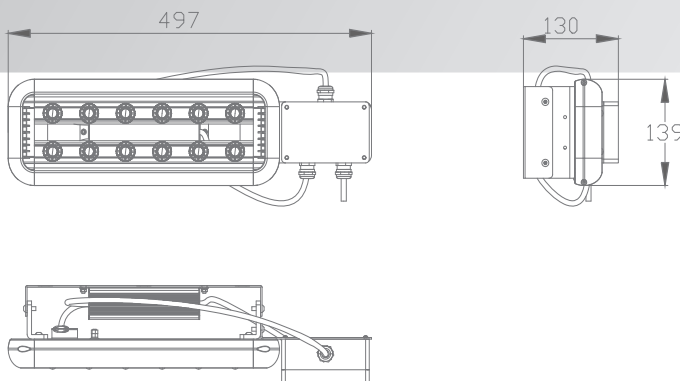
MICROWAVE MOTION SENSOR

RATED LOAD	800W (inductive), 1,200W (resistive)
HF SYSTEM	5.8GHz +- 75Mhz, ISM wave band
TRANSMITTING BAND	<0.5mW
POWER CONSUMPTION	<0.5W (Standby), <1W (Operation)
DETECTION ZONE	Max(D x H): 16m x 10m
DETECTION SENSITIVITY	10% / 25% / 50% / 75% / 100%
HOLD TIME	10s / 30s / 90s / 3min / 20min / 30min
DAYLIGHT SENSOR	5lux / 10lux / 30lux / 50lux / Disable
STANDBY PERIOD	5s / 5min / 10min / 30min / 1h / Disable
STANDBY DIMMING LEVEL	10% / 20% / 30% / 40% / 50%
MOUNTING HEIGHT	10m Max
MOTION DETECTION	0-5m~3m/s
DETECTION ANGLE	150° (Wall Installation) 360° (Ceiling Installation)
OPERATING TEMPERATURE	-50°C to 55°C

TYPICAL APPLICATIONS



SCHEMATIC OF 21W LINEAR WITH MOTION SENSOR



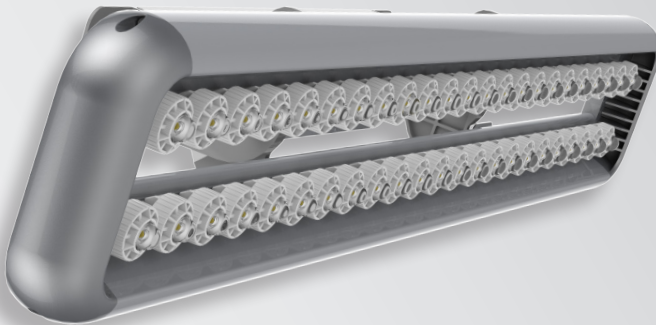
POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
21W	2,478	400mA	497	139	130	4.3kg
26W	3,068	400mA	557	139	130	4.4kg
32W	3,776	400mA	557	139	130	4.4kg
39W	4,602	400mA	647	139	130	4.5kg
41W	4,838	400mA	647	139	130	4.5kg
49W	5,782	400mA	767	139	130	4.6kg
52W	6,136	400mA	797	139	130	4.7kg
60W	7,080	400mA	886	139	130	4.8kg
62W	7,316	400mA	917	139	130	4.9kg
72W	8,496	400mA	1,037	139	130	5kg
80W	9,440	400mA	1,127	139	130	5.1kg
86W	10,148	400mA	1,187	139	130	5.3kg
91W	10,738	400mA	1,247	139	130	5.5kg
112W	12,320	600mA	1,037	139	130	5.7kg
124W	13,640	600mA	1,127	139	130	5.8kg
132W	14,520	600mA	1,187	139	130	5.9kg
140W	15,400	600mA	1,247	139	130	6kg

Andromeda™ Linear

HIGH INTENSITY LED LINEAR LUMINAIRE



PRODUCT INFORMATION



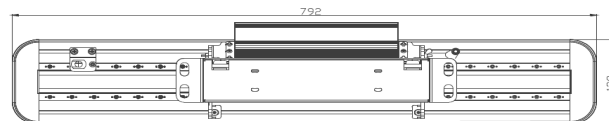
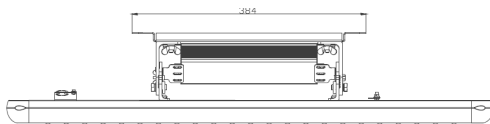
WEIGHT RANGE	2.5kg to 5.3kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
BRACKET TYPE	Standard (Adjustable) or Fixed (98mm Depth)
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V,
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC Optional - 5-100%
DIMMABLE	Optional - 5-100%
LIFESPAN	50,000 hours
POWER	21W - 140W
POWER FACTOR	0.9
BEAM ANGLE	Customisable - Refer to lens options page IESNA Type I,II,III distribution
LUMINOUS EFFICACY	XPB - 118 lm/W XPS - 110 lm/W
CCT	5,000-5,500K Cool White* >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

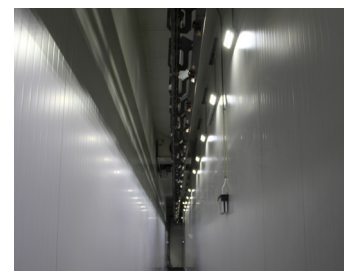
* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

SCHEMATIC OF 62W LINEAR



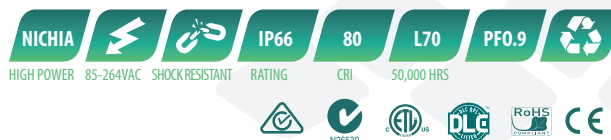
PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-Linear-21	21W	2,478	400mA	372	139	149	2.5kg
AndromedaXPB-Linear-26	26W	3,068	400mA	432	139	149	2.8kg
AndromedaXPB-Linear-32	32W	3,776	400mA	432	139	149	3kg
AndromedaXPB-Linear-39	39W	4,602	400mA	522	139	149	3.2kg
AndromedaXPB-Linear-41	41W	4,838	400mA	552	139	149	3.3kg
AndromedaXPB-Linear-49	49W	5,782	400mA	642	139	149	3.5kg
AndromedaXPB-Linear-52	52W	6,136	400mA	672	139	149	3.6kg
AndromedaXPB-Linear-60	60W	7,080	400mA	761	139	149	4.2kg
AndromedaXPB-Linear-62	62W	7,316	400mA	792	139	149	4.3kg
AndromedaXPB-Linear-72	72W	8,496	400mA	912	139	149	4.7kg
AndromedaXPB-Linear-80	80W	9,440	400mA	1,002	139	149	4.9kg
AndromedaXPB-Linear-86	86W	10,148	400mA	1,062	139	149	5.1kg
AndromedaXPB-Linear-91	91W	10,738	400mA	1,122	139	149	5.3kg
AndromedaXPS-Linear-112	112W	12,320	600mA	912	139	149	4.7kg
AndromedaXPS-Linear-124	124W	13,640	600mA	1,002	139	149	4.9kg
AndromedaXPS-Linear-132	132W	14,520	600mA	1,062	139	149	5.1kg
AndromedaXPS-Linear-140	140W	15,400	600mA	1,122	139	149	5.3kg

TYPICAL APPLICATIONS



Andromeda™ Street

HIGH INTENSITY LED COBRA HEAD



PRODUCT INFORMATION

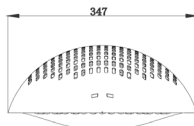
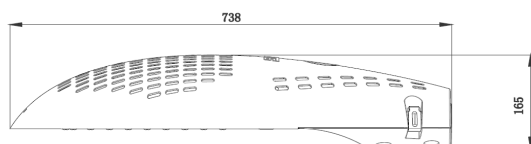
WEIGHT RANGE	6kg to 7.4kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
BRACKET TYPE	Pole Mount
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V, PE Cell, NEMA 7
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
DIMMABLE	Optional - 5-100%
LIFESPAN	50,000 hours to L70
POWER	30W - 120W
POWER FACTOR	0.9
BEAM ANGLE	Customisable - Refer to lens options page IESNA Type I,II,III distribution XPB - 118 lm/W
LUMINOUS EFFICACY	5,000-5,500K Cool White* >65 (CRI) Standard
CCT	4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

SCHEMATIC OF STREET

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K



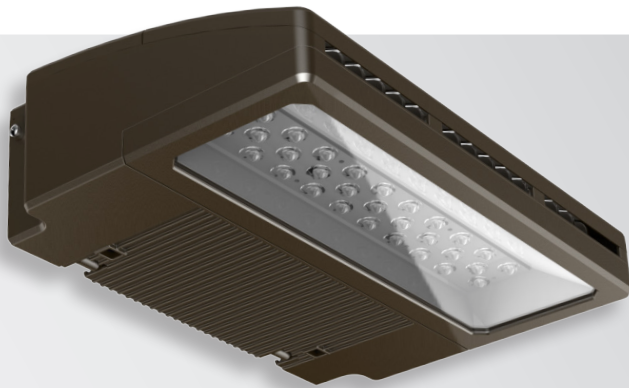
PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-Street-30	30W	3,540	400mA	738	347	165	6kg
AndromedaXPB-Street-40	40W	4,720	400mA	738	347	165	6.2kg
AndromedaXPB-Street-50	50W	5,900	400mA	738	347	165	6.4kg
AndromedaXPB-Street-60	60W	7,080	400mA	738	347	165	6.7kg
AndromedaXPB-Street-70	70W	8,260	400mA	738	347	165	6.9kg
AndromedaXPB-Street-80	80W	9,440	400mA	738	347	165	7kg
AndromedaXPB-Street-90	90W	10,620	400mA	738	347	165	7.2kg
AndromedaXPB-Street-120	120W	14,160	400mA	738	347	165	7.4kg

TYPICAL APPLICATIONS



Andromeda™ Wall Pack

HIGH INTENSITY WALL MOUNT LUMINAIRE



PRODUCT INFORMATION

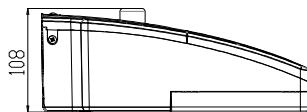
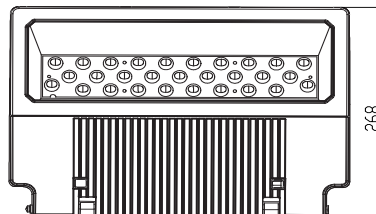
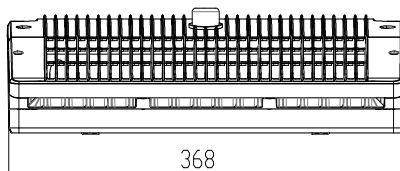
WEIGHT	5.9kg-6.3kg
PRODUCT CODE	AndromedaXPS-WallIP
DIMENSIONS	370mmL x 268mmW x 112mmD
INGRESS PROTECTION	IP66
WEIGHT	5.9kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
HOUSING COLOUR	White, Silver, Bronze (as seen in image on left)
OPERATING TEMPERATURE	-50°C to +55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85V-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
LIFESPAN	50,000 hours to L70
POWER	20W, 30W, 40W, 50W, 60W
BEAM ANGLE	WB
LUMINOUS EFFICACY	XPS - 100 lm/W
POWER FACTOR	0.9
CCT	5,000-5,500K Cool White* >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >85 (CRI)

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

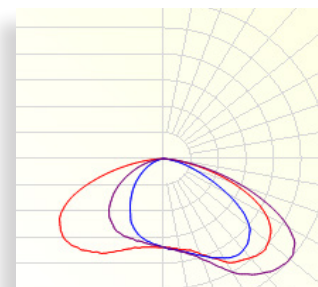
SCHEMATIC OF WALL PACK



TYPICAL APPLICATIONS



BEAM ANGLE WB



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPS-WallIP-20	20W	2,000	600mA	368	268	108	5.9kg
AndromedaXPS-WallIP-30	30W	3,000	600mA	368	268	108	6kg
AndromedaXPS-WallIP-40	40W	4,000	600mA	368	268	108	6.1kg
AndromedaXPS-WallIP-50	50W	5,000	600mA	368	268	108	6.2kg
AndromedaXPS-WallIP-60	60W	6,000	600mA	368	268	108	6.3kg

AndromedaTM Recessed

HIGH INTENSITY RECESSED LED LUMINAIRE



PRODUCT INFORMATION

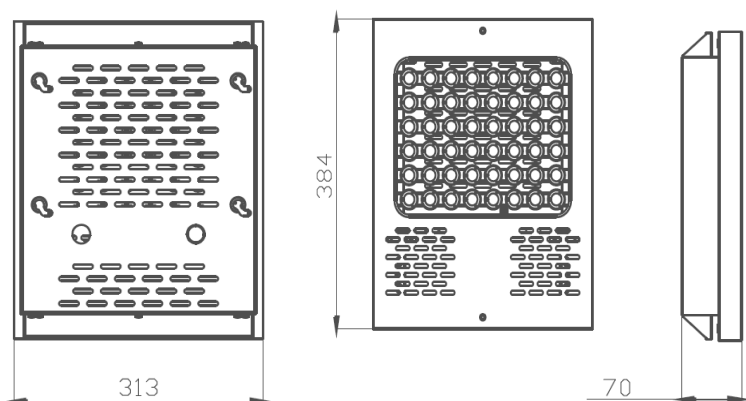
WEIGHT RANGE	6.5kg to 8.5kg
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V
EMERGENCY POWER OPTIONS	Battery back-up power supply available
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

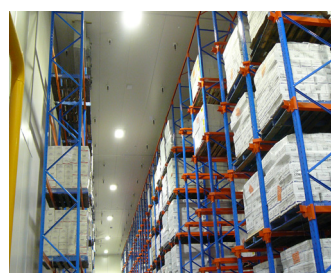
INPUT VOLTAGE	85V-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
LIFESPAN	50,000 hours to L70
POWER	60W - 160W
BEAM ANGLE	Customisable - Refer to lens options page
LUMINOUS EFFICACY	IESNA Type I,II,III distribution XPB - 118 lm/W XPS - 110 lm/W
POWER FACTOR	0.95
CCT	5,000-5,500K Cool White* >65 CRI Standard 4,000-4,500K Natural White >75 CRI 2,700-3,000K Warm White >80 CRI

SCHEMATIC OF 60W RECESSED

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K



TYPICAL APPLICATIONS



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
AndromedaXPB-Recs-60	60W	7,080	400mA	384	313	70	6.5kg
AndromedaXPB-Recs-90	90W	10,620	400mA	492	313	70	7.8kg
AndromedaXPB-Recs-110	110W	12,980	400mA	601	313	70	8.3kg
AndromedaXPB-Recs-120	120W	14,160	400mA	601	313	70	8.5kg
AndromedaXPS-Recs-140	140W	15,400	600mA	601	313	70	8.3kg
AndromedaXPS-Recs-155	155W	17,050	600mA	601	313	70	8.5kg

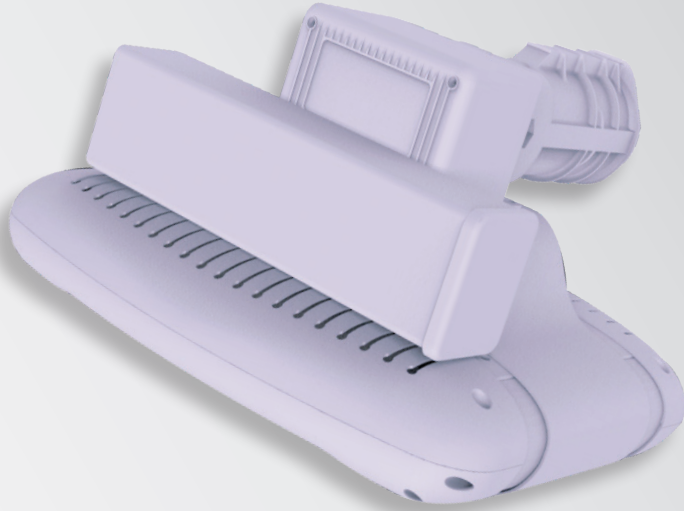
Andromeda™ Emergency

HIGH INTENSITY BACK-UP LUMINAIRE



ANDROMEDA STANDARD

EMERGENCY | HIGH INTENSITY BACK-UP LUMINAIRE



AndromedaXPB-EMPark

PRODUCT INFORMATION

PRODUCT CODE	AndromedaXPB-EM
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12, Custom (304SS, 316SS)
FRAME COLOUR	Silver, White, Black, Custom (Advise RAL)
CONTROL	DALI, PWM, 0-10V, PE Cell, NEMA 7
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-50°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85V-264VAC, 50/60Hz (Standard) Options - 24VDC, 127-370VDC or 313-381VAC
LIFESPAN	50,000 hours
POWER	21W - 480W
BEAM ANGLE	Customisable - Refer to lens options page
POWER FACTOR	>0.95
CCT*	5,000-5,500K Cool White >65 (CRI) Standard 4,000-4,500K Natural White >75 (CRI) 2,700-3,000K Warm White >80 (CRI)

*OTHER CCT OPTIONS AVAILABLE

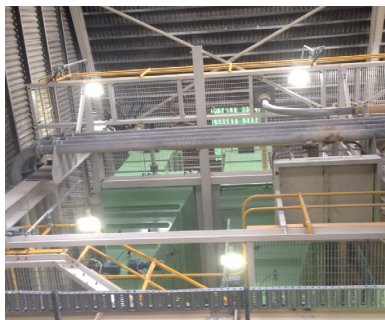


AndromedaXPB-EMLinearMotion

FEATURES

- COMPLIES WITH AS 2293.3:2005
- MAINTAINED OR NON-MAINTAINED OPTIONS AVAILABLE
- ON BOARD BATTERY SYSTEM
- EASY TO ACCESS TEST BUTTON
- FULL LED LUMINAIRE
- CAN BE FITTED TO MOST ANDROMEDA™ LUMINAIRES

TYPICAL APPLICATIONS

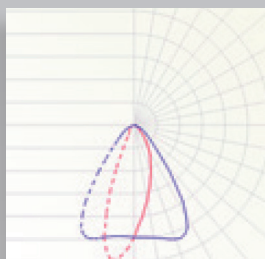


Andromeda™ Lens Options

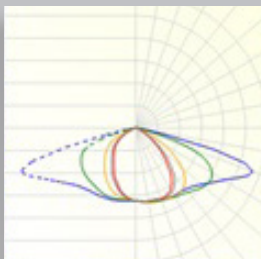
LUMINAIRES

STREET/PATH LIGHTING

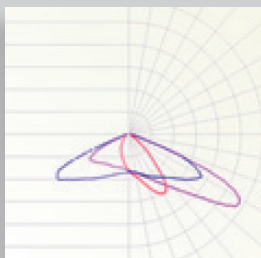
LENS 64: 90° - 30°, PX (Compliant)



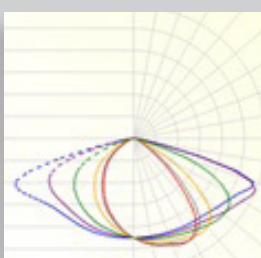
LENS RG: 150°



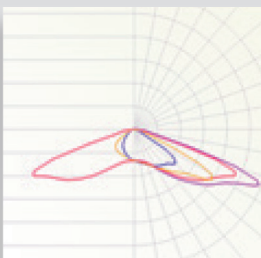
LENS 47: 135° - 35°



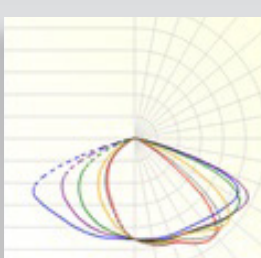
LENS RK: 150°



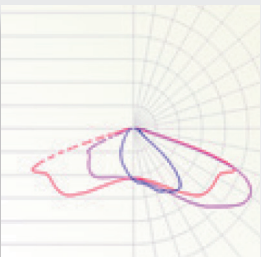
LENS 34: P5 (Compliant)



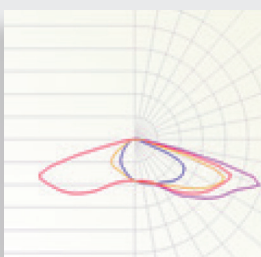
LENS RL: 145°



LENS 31: 156° - 70°



LENS 27: P4 (Compliant)



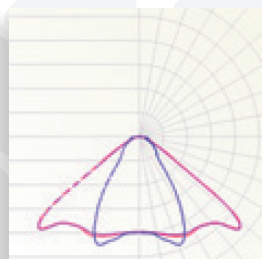
TUNNEL LIGHTING

LENS TG: 112°

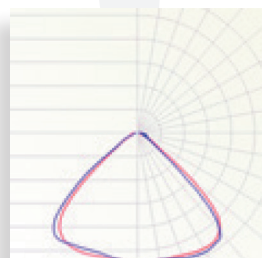


GENERAL LIGHTING

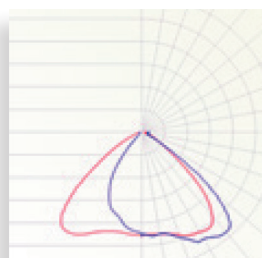
LENS 50: Rectangular



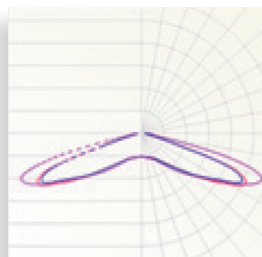
LENS 81: 100°



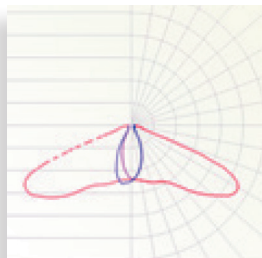
LENS 68: Square 100°



LENS 18: 150°

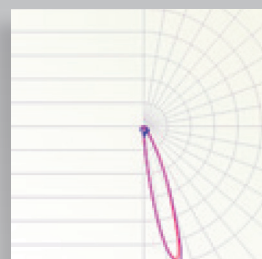


LENS 86: 135°

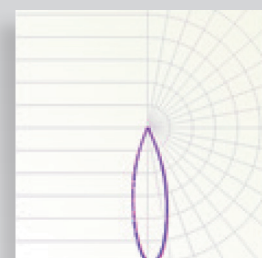


SPOT LIGHTING

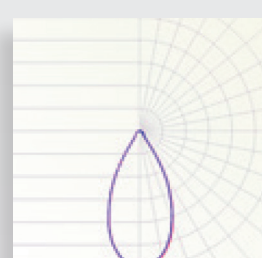
LENS 61: 15° Offset



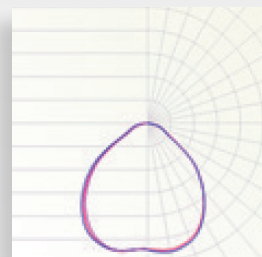
LENS 42: 30°



LENS 40: 50°

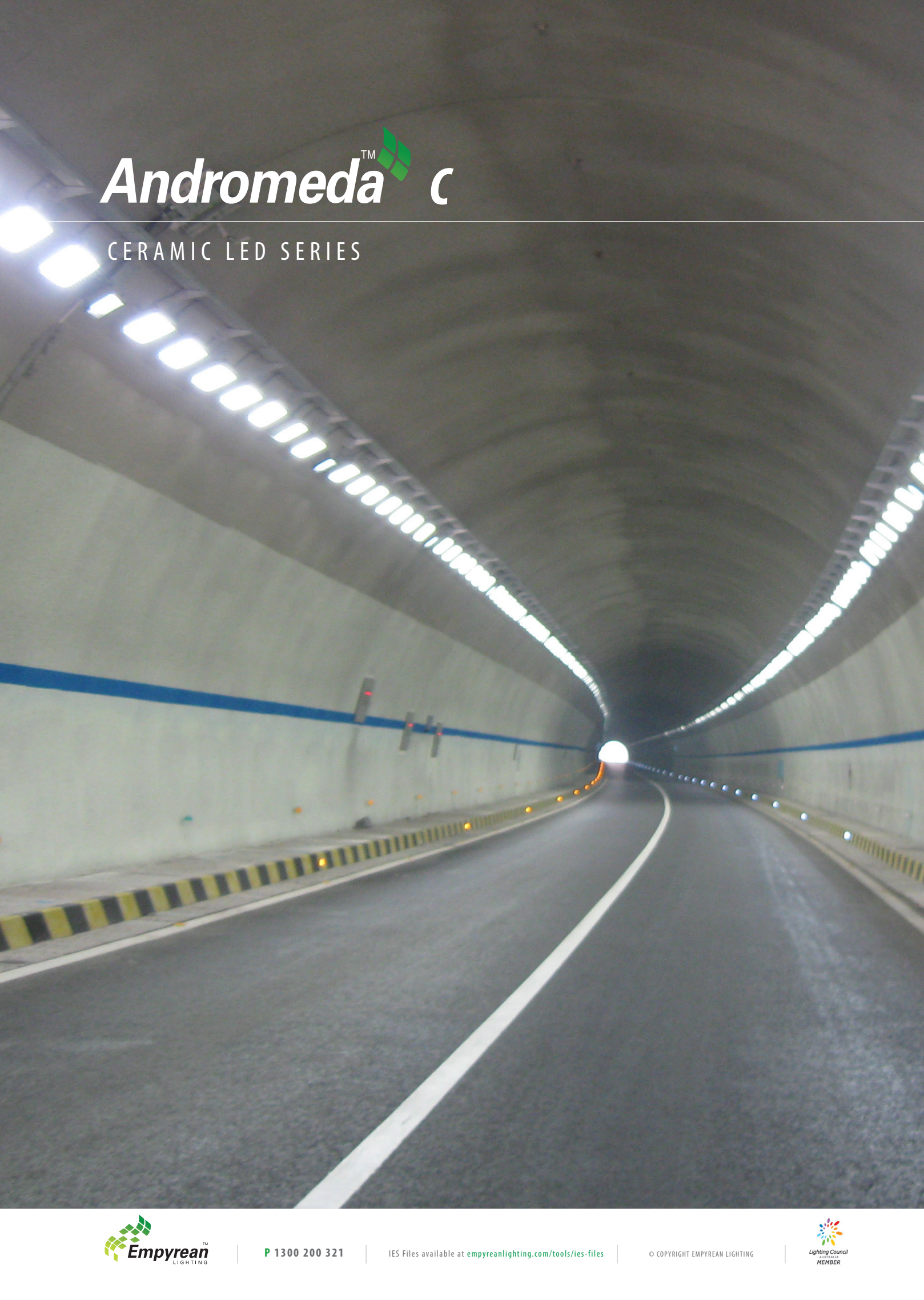


LENS 39: 90°



IESNA Types

I	II	III	IV	V
47	31	27	50	18
86	34		64	39
	RD		TG	40
	RK			42
	RL			81
	RG			



*Andromeda*TM c

CERAMIC LED SERIES

ANDROMEDA CERAMIC RANGE

OUR ANDROMEDA™ CERAMIC SERIES has been designed to compete with low cost LED luminaires. We've reduced the amount of aluminium used in the frame and utilised ceramic heatsink materials in our patented pixel rails.

Our Andromeda™ Ceramic Series represents all the features and performance which the name Andromeda™ has come to symbolise, but with a lower price tag thanks to replacing aluminium with ceramic and polycarbonates in our patented pixel rails.

BENEFITS OF OUR RANGE

- USES 50%-75% LESS ELECTRICITY THAN HIGH INTENSITY DISCHARGE LUMINAIRES
- LIFESPAN OF 50,000 HRS+ (TO L70)
- IS IP65 IP66
- IS AVAILABLE IN SPECIFIC POWER AND LENS TYPES FOR GENERAL APPLICATION AREAS
- START UP AND SHUT DOWN IMMEDIATELY.
- PERFECT FOR PHOTO SENSOR OR MOTION SENSOR CONTROLS
- HAS LOW INRUSH & OPERATING CURRENTS
- CONTAINS NO HARMFUL OR TOXIC SUBSTANCES (NO HG)
- DOES NOT EMIT UV RADIATION & DOES NOT REQUIRE UV BLOCKING FILTERS
- HAS ROBUST CONSTRUCTION, PERFECT FOR TOUGH & CHALLENGING CONDITIONS
- ELIMINATES MERCURY RECYCLING COSTS



Andromeda™ C Pole Mount

CERAMIC POLE MOUNT LED LUMINAIRES



PRODUCT INFORMATION

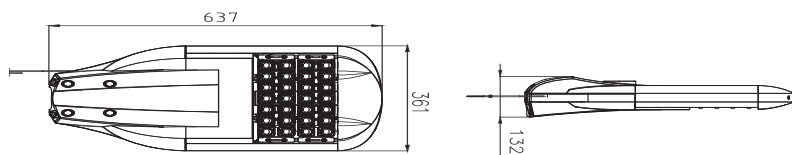
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade) Double Ceramic Pixel Rails
BRACKET MATERIAL	ST12
BRACKET TYPE	Pole Mount 60mm Diameter
FRAME COLOUR	Silver, White, Black
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-40°C to 70°C

TECHNICAL SPECIFICATIONS

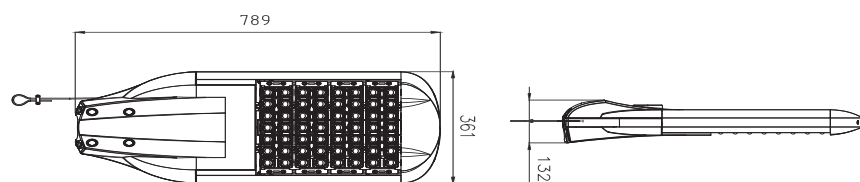
INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard)
DIMMABLE	Non-dimmable standard
LIFESPAN	50,000 hours to L70
POWER	40W - 250W
POWER FACTOR	0.95
BEAM ANGLE	K01 / K05 / KB / K24
LUMINOUS EFFICACY	120 lm/W
CCT	5,000-5,500K Cool White >70 (CRI) Standard

Additional Options - Frame options 304SS & 316SS. Dimmable with 0-10V, PWM, DALI, PE Cell or Nema 7. Emergency battery back up. Varying input voltage including 24V DC to 480V. Natural white CCT options.

SCHEMATIC OF 70W/85W ANDROMEDA-C POLE



SCHEMATIC OF 140W/ 160W ANDROMEDA-C POLE

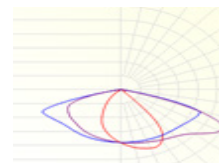


BEAM ANGLES

K01 - 148° x 75°



K05 - 150° x 60°



KB - 145° x 48°



K24 - 154° x 78°



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-PoleM-45	45W	5,400	800mA	561	361	132	8.5kg
Andromeda-C-PoleM-70	70W	8,400	800mA	637	361	132	9.4kg
Andromeda-C-PoleM-85	85W	10,200	800mA	637	361	132	9.5kg
Andromeda-C-PoleM-110	110W	13,200	800mA	713	361	132	10.5kg
Andromeda-C-PoleM-125	125W	15,000	800mA	713	361	132	10.6kg
Andromeda-C-PoleM-140	140W	16,800	800mA	789	361	132	11.4kg
Andromeda-C-PoleM-160	160W	19,200	800mA	789	361	132	11.6kg
Andromeda-C-PoleM-180	180W	21,600	800mA	865	361	132	12.3kg
Andromeda-C-PoleM-220	220W	26,400	800mA	941	361	132	13.5kg
Andromeda-C-PoleM-250	250W	30,000	800mA	941	361	132	13.8kg

TYPICAL APPLICATIONS



Andromeda™ C High Mast

CERAMIC LED HIGH MAST LUMINAIRE



PRODUCT INFORMATION

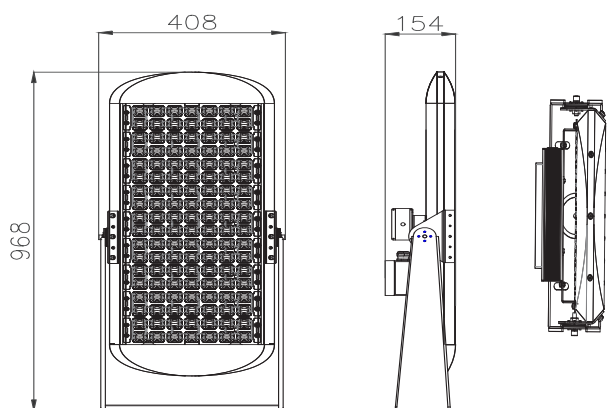
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12
BRACKET TYPE	Trunnion Arm
FRAME COLOUR	Silver, White, Black
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-40°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard)
DIMMABLE	Non-dimmable standard
LIFESPAN	50,000 hours to L70
POWER	140W - 410W
POWER FACTOR	0.95
BEAM ANGLE	K14 / K64 / LE
LUMINOUS EFFICACY	120 lm/W
CCT	5,000-5,500K Cool White >70 (CRI) Standard

Additional Options - Frame options 304SS & 316SS. Dimmable with 0-10V, PWM, DALI, PE Cell or Nema 7. Emergency battery back up. Varying input voltage including 24V DC to 480V. Natural white CCT options.

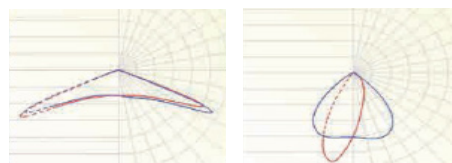
SCHEMATIC OF 410W ANDROMEDA-C-HMAST



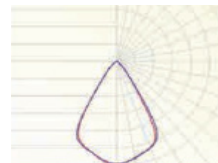
BEAM ANGLES

K14 - 132°

K64 - 92° x 28°

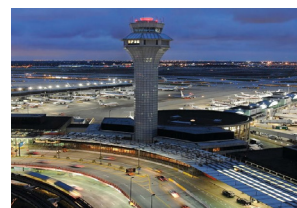


LE - 61°



PRODUCT CODE	POWER	OUTPUT (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)
Andromeda-C-HMAst-140	140W	16,800	800mA	516	405	154
Andromeda-C-HMAst-180	180W	21,600	800mA	589	405	154
Andromeda-C-HMAst-220	220W	26,400	800mA	665	405	154
Andromeda-C-HMAst-250	250W	30,000	800mA	743	405	154
Andromeda-C-HMAst-280	280W	33,600	800mA	819	405	154
Andromeda-C-HMAst-320	320W	38,400	800mA	892	405	154
Andromeda-C-HMAst-360	360W	43,200	800mA	968	405	154
Andromeda-C-HMAst-410	410W	49,200	800mA	968	405	154

TYPICAL APPLICATIONS



Andromeda™ C High Mast

CERAMIC LED HIGH MAST LUMINAIRE



PRODUCT INFORMATION

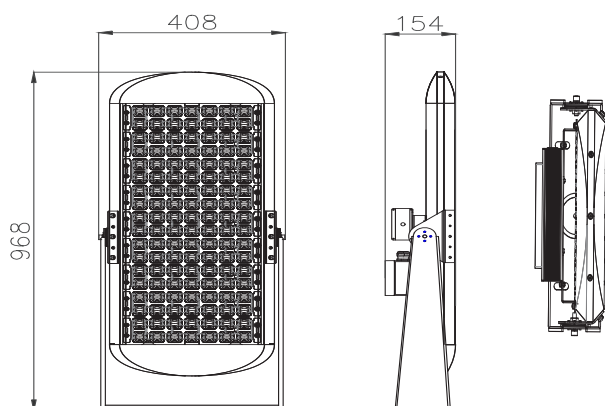
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade)
BRACKET MATERIAL	ST12
BRACKET TYPE	Trunnion Arm
FRAME COLOUR	Silver, White, Black
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-40°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard)
DIMMABLE	Non-dimmable standard
LIFESPAN	50,000 hours to L70
POWER	140W - 410W
POWER FACTOR	0.95
BEAM ANGLE	K14 / K64 / LE
LUMINOUS EFFICACY	120 lm/W
CCT	5,000-5,500K Cool White >70 (CRI) Standard

Additional Options - Frame options 304SS & 316SS. Dimmable with 0-10V, PWM, DALI, PE Cell or Nema 7. Emergency battery back up. Varying input voltage including 24V DC to 480V. Natural white CCT options.

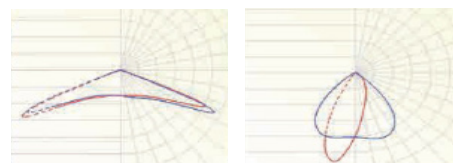
SCHEMATIC OF 410W ANDROMEDA-C-HMAST



BEAM ANGLES

K14 - 132°

K64 - 92° x 28°

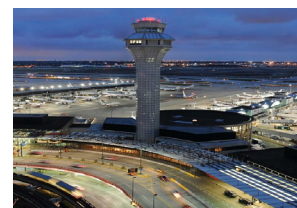


LE - 61°



PRODUCT CODE	POWER	OUTPUT (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-HMAst-140	140W	16,800	800mA	516	405	371	kg
Andromeda-C-HMAst-180	180W	21,600	800mA	589	405	371	kg
Andromeda-C-HMAst-220	220W	26,400	800mA	665	405	371	kg
Andromeda-C-HMAst-250	250W	30,000	800mA	743	405	490	kg
Andromeda-C-HMAst-280	280W	33,600	800mA	819	405	490	kg
Andromeda-C-HMAst-320	320W	38,400	800mA	892	405	560	kg
Andromeda-C-HMAst-360	360W	43,200	800mA	968	405	560	kg
Andromeda-C-HMAst-410	410W	49,200	800mA	968	405	560	kg

TYPICAL APPLICATIONS



AndromedaTM

CUSTOM APPLICATION LED DESIGN





ANDROMEDA CUSTOM RANGE

WITH ALL THE BENEFITS of our standard Andromeda™ Series, our custom range includes luminaires specifically designed and modified for use in unusual or challenging environments.

WORKING CLOSELY with experts in these fields our aim is to surpass the performance of traditional technology, while providing a more efficient, green and safe luminaire.

THE DEVELOPMENT of additional custom Andromeda™ luminaires is the cornerstone of our research and development program, and we welcome ideas and collaborations for your next project.

OUR RANGE INCLUDES

AQUARIUM
GROW LIGHTS
TURTLE SAFE LUMINAIRES



Andromeda™ Aquarium

CUSTOM APPLICATION DESIGN

CCT ADJUSTABLE & DIMMABLE



PRODUCT INFORMATION



PRODUCT CODE	AndromedaXPH-Aqua
DIMENSIONS	Variable with power
INGRESS PROTECTION	IP66
LIGHT SOURCE	Nichia High Power LED
LENS	Customisable (Wide or Narrow Options)*
HOUSING	6063 Aluminium (Marine Grade)**
HOUSING COLOUR	Silver, White, Black, Custom
CONTROL	DALI, PWM, 0-10V, DMX

TECHNICAL SPECIFICATIONS

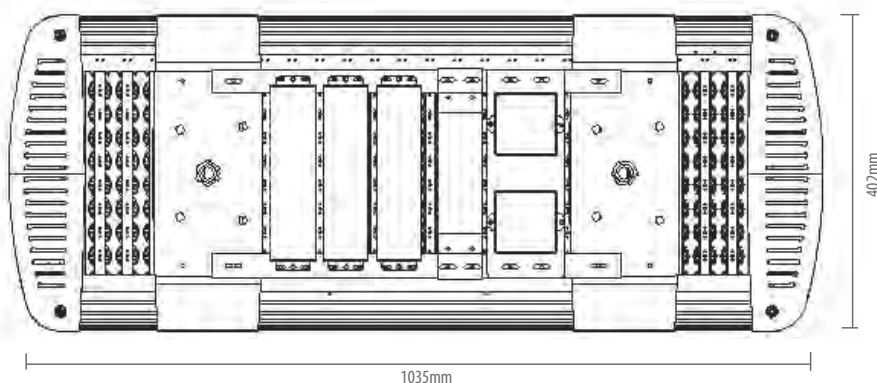
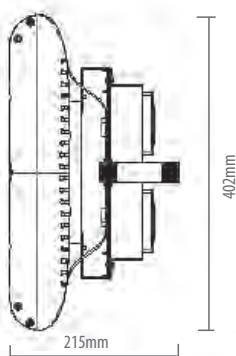
INPUT VOLTAGE	85V-264VAC, 50/60Hz
LIFESPAN	50,000 hours
POWER	53W - 320W
BEAM ANGLE	* Variable based on Lens
LUMINOUS EFFICACY	63 lm/W
POWER FACTOR	>0.95
OPERATING TEMPERATURE	-25°C to +55°C
CCT	Adjustable & Dimmable

* FOR LENS OPTIONS SEE PAGE 12 IN ANDROMEDA™ STANDARD SECTION
** ALSO AVAILABLE IN 304SS & 316SS & COMPONENTS

FEATURES

- DESIGNED TO MODEL THE DIURNAL CYCLE
- ADJUSTABLE AND/OR CUSTOMISED CCT OPTIONS FROM 3,000K-10,000K + IN A SINGLE LUMINAIRE
- DMX OR DALI CONTROLLABLE
- DIMMABLE – ENTIRE LUMINAIRE OR INDIVIDUAL CCTS
- MULTIPLE BEAM ANGLES AVAILABLE

SCHEMATIC OF ANDROMEDAXPH-AQUA 320W



OUTPUT

WATTS	LUMENS
53W	3,339 lm
105W	6,615 lm
160W	10,080 lm
213W	13,419 lm
265W	16,695 lm
320W	20,160 lm



PRODUCT INFORMATION



PRODUCT CODE

AndromedaXPH-Fixed

DIMENSIONS

Nebula XPH-Fixed

INGRESS PROTECTION

Variable with power

LIGHT SOURCE

IP66

LENS

Nichia High Power LED

HOUSING

Customisable (General or Narrow Options)*

HOUSING COLOUR

6063 Aluminium (Marine Grade)**

CONTROL

Silver, White, Black, Custom

Multiple Options, DALI,

PWM, 0-10V, DMX

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

85V-264V, 50/60Hz

LIFESPAN

50,000 hours

POWER

* 18W - 300W

BEAM ANGLE

Variable based on Lens

LUMINOUS EFFICACY

63 lm/W

POWER FACTOR

>0.95

OPERATING TEMPERATURE

-25°C to +55°C

CCT

2,700-3,000K	Warm White
4,000-4,500K	Natural White
5,000-5,500K	Cool White
8,500K	AQ
10,000K	AQ+
15,000K	AQ*
20,000K	AQ^

*SEE NEBULA™ FOR OTHER POWER OPTIONS **ALSO AVAILABLE IN 304SS & 316SS & COMPONENTS FOR LENS OPTIONS SEE PAGE 12 IN ANDROMEDA™ STANDARD SECTION

FEATURES

- CCT AVAILABLE FROM 2,700 TO 20,000K
- BEAM ANGLES FROM 10° -180°
- VARIOUS MOUNTING OPTIONS AND INTENSITIES AVAILABLE
- AVAILABLE IN ALL ANDROMEDA™ AND NEBULA™ LUMINAIRES



Andromeda™ Grow Light

CUSTOM APPLICATION DESIGN

GROWTH CABINET REPLACEMENT LUMINAIRES



PRODUCT INFORMATION



PRODUCT CODE	Andromeda-GrowCCIP-560W-ANU
DIMENSIONS	1,795mmL 895mmW 62mmD
INGRESS PROTECTION	IP66
WEIGHT	55kg
LIGHT SOURCE	Nichia High Power LED
LENS	Customisable*
HOUSING	6063 Aluminium (Marine Grade)
HOUSING COLOUR	Silver, White, Black, Custom

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85V-264VAC, 50/60Hz
LIFESPAN	50,000 hours
POWER	560W
POWER FACTOR	>0.95
OPERATING TEMPERATURE	-25°C to +55°C

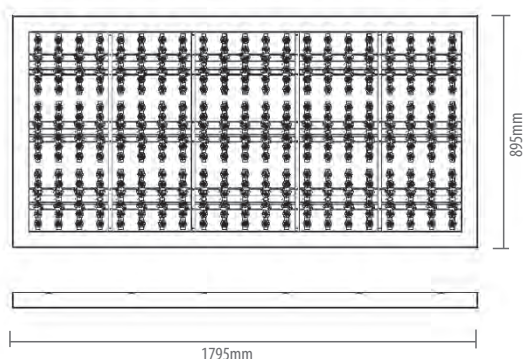
*OTHER COLOURS AND WAVELENGTHS ARE AVAILABLE (GREEN, UV, ETC...) FOR LENS OPTIONS SEE PAGE 12 IN ANDROMEDA™ STANDARD SECTION

FEATURES: MADE TO ORDER

- CUSTOM WAVELENGTHS FROM UV TO INFRARED AVAILABLE
- UP TO 6 INDIVIDUAL CIRCUITS ON A SINGLE LUMINAIRE FOR INDIVIDUAL COLOUR CONTROL
- DIMMING 0-100%
- SPECIFIC RAIL LAYOUT FOR SPREAD OF COLOURED LIGHTS
- RAILS OF 6 LED PIXELS INTERCHANGEABLE FOR MAXIMUM VERSATILITY
- INTEGRATED SOFTWARE CONTROL (TIME, INTENSITY, COLOUR)
- FIXED WAVELENGTH UNITS AVAILABLE AS WELL
- CUSTOMISED SIZE & POWER TO SUITE ANY APPLICATION



SCHEMATIC OF ANDROMEDA-GROWCCIP-560W-ANU



THERMOLINE CABINET RETROFITTED WITH ANDROMEDA™ GROW LIGHT, AUSTRALIAN NATIONAL UNIVERSITY

DESCRIPTION	WHOLE LIGHT FIXTURE	RED LIGHT	FAR RED LIGHT	BLUE LIGHT	WHITE LIGHT
CHIP NUMBERS (# OF RAILS)	378 (63)	114 (19)	36 (6)	114 (19)	114 (19)
POWER	560W	140W	45W	185W	190W
FIXTURE EFFICACY	34 lm/W	18 lm/W	9 lm/W	10.3 lm/W	75 lm/W
LUMINOUS FLUX	19,070 lm	2,520 lm	395 lm	1,905 lm	14,250 lm
WAVELENGTH	/	635 nm	655 nm	445 nm	580 nm
PEAK WAVELENGTH	/	664 nm	670 nm	435 nm	610 nm



PRODUCT INFORMATION



PRODUCT CODE	AndromedaXP-TS
INGRESS PROTECTION	IP66
LIGHT SOURCE	Nichia High Power LED
LENS	Customisable*
HOUSING	6063 Aluminium (Marine Grade)**
HOUSING COLOUR	Silver, White, Black, Custom

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85V-264VAC, 50/60Hz
LIFESPAN	50,000 hours
POWER	30W - 240W
WAVELENGTH	588nm - 592nm
POWER FACTOR	>0.95
OPERATING TEMPERATURE	-25°C to +55°C
CCT	~2,500K Amber

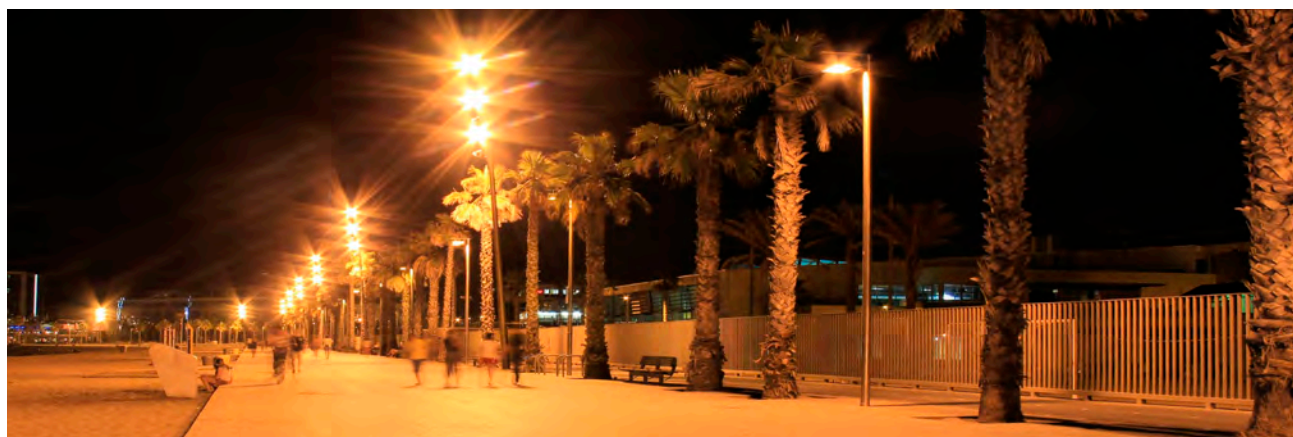
* FOR LENS OPTIONS SEE PAGE 9 IN ANDROMEDA™ STANDARD SECTION
 ** ALSO AVAILABLE IN 3045S & 3165S & COMPONENTS

FEATURES

- PEAK INTENSITY MEETS EPA GUIDELINES OF 588NM - 592NM FOR TURTLE SENSITIVE AREAS
- SINGLE CHIP TECHNOLOGY - NO COLOUR MIXING
- TESTED AT MON REPOS TURTLE HATCHERY IN 2014
- AVAILABLE IN ALL ANDROMEDA™ STANDARD STYLES INCLUDING P4 & P5 STREETLIGHTING

TECHNICAL SPECIFICATIONS

WATTS	LUMENS
30W	1,170 lm
40W	2,280 lm
50W	2,850 lm
60W	3,420 lm
70W	4,000 lm
80W	4,560 lm
90W	5,130 lm
100W	5,700 lm
110W	6,270 lm
120W	6,840 lm
150W	8,550 lm
160W	9,120 lm
180W	10,260 lm
200W	11,400 lm
240W	13,680 lm



CoronaTM
PANEL LIGHTS



CORONA™ PANEL RANGE

OUR CORONA™ LED PANEL SERIES are aesthetically beautiful, light weight, efficient and ideal for new or retrofit projects requiring a modern and versatile solution.

BENEFITS OF OUR RANGE

- USES ~50% LESS ELECTRICITY THAN FLUORESCENT TECHNOLOGY
- LASTS ON AVERAGE THREE TIMES LONGER THAN FLUORESCENT TUBES
- IS AVAILABLE IN A VARIETY OF SIZES FOR ANY ENVIRONMENT OR APPLICATION
- GENERATES VERY LITTLE HEAT WHICH REDUCES LOADS ON AIR-CONDITIONING, LESSENS FIRE RISK AND IMPROVES SAFETY
- DO NOT REQUIRE A STARTER OR BALLAST – FURTHER REDUCING ENERGY USE AND FIXTURE WEIGHT
- CONTAINS NO HARMFUL OR TOXIC SUBSTANCES AND ARE FULLY RECYCLABLE
- ELIMINATES MERCURY RECYCLING COSTS
- DOES NOT EMIT UV RADIATION
- CYANOSIS OBSERVATION INDEX (COI) COMPLIANT UNITS AVAILABLE
- MOST PRODUCTS HAVE VEET AND IPART APPROVALS



CoronaTM Rectangular

ULTRA SLIM PANEL



PRODUCT INFORMATION

MEASUREMENTS

LENGTH 595/ 1,195/
1,495mm

WIDTH

295/595mm

DEPTH

8mm

LIGHT SOURCE

LumenMax/Epistar LED

LENS

Frosted PC or Prismatic

HOUSING

Aluminium alloy

MOUNTING

Default - mount in T-Bar ceiling grid
Wall/Ceiling Mount, Recessed with Frame
Kit, Suspended, Hard Surface, Box Frame.

TRIM

White or Silver

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

110VAC 60Hz, 230VAC 50Hz

DIMMABLE

0-10V/PWM, DALI or Tridonic

LIFESPAN

50,000 hours

POWER

26W, 40W, 50W, 70W

UGR

19

BEAM ANGLE

120°

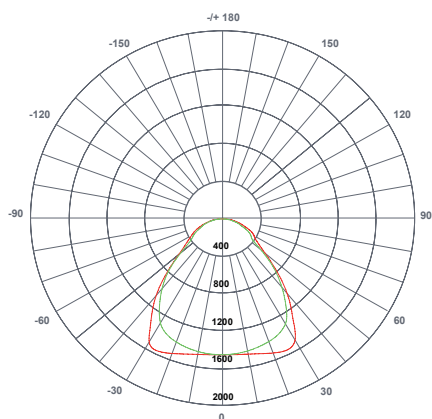
CRI

>80 (Warm & Natural)

CCT

5,700-6,000K Cool White
3,800-4,500K Natural White
3,000-3,300K Warm White
RGB

BEAM ANGLE = 120°



Unit: cd
c0/180 : PRISMATIC
c90/270 : STANDARD

OUTPUT

	Cool White	Natural White	Warm White
26W	2,600 lm	2,600 lm	2,400 lm
40W	4,000 lm	4,000 lm	3,800 lm
50W	5,000 lm	5,000 lm	4,800 lm
70W	6,200 lm	6,200 lm	6,000 lm

SCHEMATIC OF CORONA-1200RS



PRODUCT CODE BUILDER

E.G. CORONA-1200RS-W40WN-D

PRODUCT RANGE	LENGTH (MM)	WIDTH (MM)	LENS	TRIM	POWER	CCT	DIMMING	MOUNTING CODE BUILDER	
Corona	- 600	RS(300)	P (Prismatic)	- W (White)	26W	C (Cool White)	- ND (None)	Corona-Mount	- W (Wall/Ceiling)
	- 1200	RS (300)		- S (Silver)	26W	N (Natural White)	- D (0-10V/PWM)		- R (Recessed Frame)
					40W	W (Warm White)	- DD (DALI)		- S (Suspended)
					70W	X (RGB)	- TD (Tridonic DALI)		- H (Hard Surface)
		R6S(600)			40W				- B (Box Frame)
					70W				
	- 1500	RS(300)			50W				



PRODUCT INFORMATION

MEASUREMENTS

LIGHT SOURCE

LENS

HOUSING

MOUNTING

TRIM

LENGTH WIDTH DEPTH

595mm 595mm 8mm

LumenMax/Epistar

Frosted PC or Prismatic

Aluminium alloy

Default - T-bar mounted in ceiling grid.

Wall/Ceiling Mount, Recessed with Frame Kit, Suspended, Hard Surface, Box Frame.

White or Silver

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

DIMMABLE

LIFESPAN

POWER

UGR

BEAM ANGLE

CRI

CCT

110VAC 60Hz, 230VAC 50Hz

0-10V/PWM, DALI or Tridonic

50,000 hours

30W, 40W, 50W

19

120°

>80 (Warm & Natural)

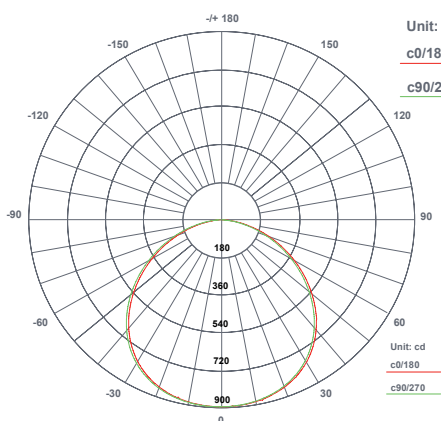
6,000-7,000K Cool White

3,800-4,500K Natural White

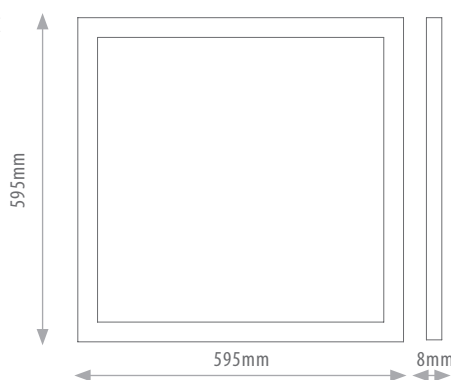
2,800-3,500K Warm White

RGB

BEAM ANGLE = 120°



SCHEMATIC OF CORONA-600SS



OUTPUT

	Cool White	Natural White	Warm White
30W	3,500 lm	3,500 lm	3,300 lm
40W	4,000 lm	4,000 lm	3,800 lm
50W	5,000 lm	5,000 lm	4,800 lm

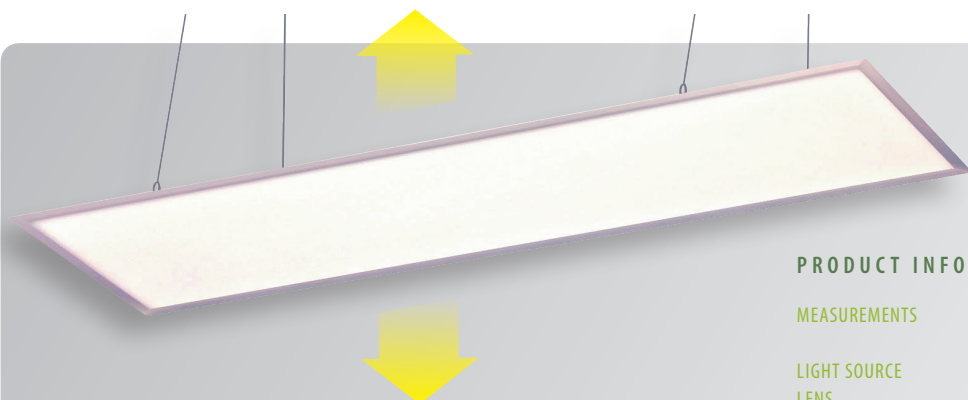
PRODUCT CODE BUILDER

E.G. CORONA-600SS-W40WN-D

PRODUCT RANGE	LENGTH (MM)	LENS	TRIM	POWER	CCT	DIMMING	MOUNTING CODE BUILDER
Corona	- 600SS	P (Prismatic)	- W (White) - S (Silver)	30W 40W 50W	C (Cool White) N (Natural White) W (Warm White) X (RGB)	- ND (None) - D (0-10V/PWM) - DD (DALI) - TD (Tridonic DALI)	Corona-Mount - W (Wall/Ceiling) - R (Recessed Frame) - S (Suspended) - H (Hard Surface) - B (Box Frame)

Corona™ Up / Down

PANEL LIGHTS



UP/DOWN PANEL

40W panel with frosted backing which emits
~30% of total lumens upwards.

PRODUCT INFORMATION

MEASUREMENTS

LENGTH 1,195mm WIDTH 295mm DEPTH 12mm

LIGHT SOURCE

Epistar

LENS

Frosted PC or Prismatic (Down Only)

HOUSING

Aluminium alloy

MOUNTING

Suspended

TRIM

White or Silver

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

110VAC 60Hz, 230VAC 50Hz

DIMMABLE

0-10V/PWM, DALI or Tridonic

LIFESPAN

50,000 hours

POWER

26W, 40W

BEAM ANGLE

120°

CRI

80

CCT

6,000-7,000K Cool White
3,800-4,500K Natural White
2,800-3,500K Warm White

SCHEMATIC OF CORONA-U1200R



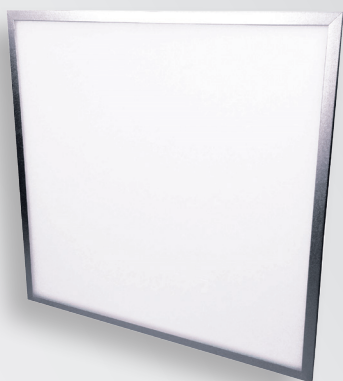
OUTPUT

	Cool White	Natural White	Warm White
26W	U: 715 lm D: 1,620 lm	U: 650 lm D: 1,560 lm	U: 620 lm D: 1,430 lm
40W	U: 1,100 lm D: 2,500 lm	U: 1,000 lm D: 2,400 lm	U: 950 lm D: 2,200 lm

PRODUCT CODE BUILDER

E.G. CORONA-U1200R-W40WC-D-S

PRODUCT RANGE	TYPE	LENGTH (MM)	LENS	TRIM	POWER	CCT	DIMMING	MOUNTING
Corona	- U (Up/Down)	1200R (1200)	P (Prismatic)	- W (White) - S (Silver)	26W 40W	C (Cool White) N (Natural White) W (Warm White)	- ND (None) - D (0-10V/PWM) - DD (DALI) - TD (Tridonic DALI)	- S (Suspended)



PRODUCT INFORMATION

MEASUREMENTS

LIGHT SOURCE

LENS

HOUSING

MOUNTING

TRIM

LENGTH 295mm
WIDTH 295mm
DEPTH 12mm

LumenMax/Epistar LED

Frosted PC or Prismatic

Aluminium alloy

Default - mount in T-Bar ceiling grid
Wall/Ceiling Mount, Recessed with Frame Kit,
Suspended, Hard Surface, Box Frame.

White or Silver

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

DIMMABLE

LIFESPAN

POWER

UGR

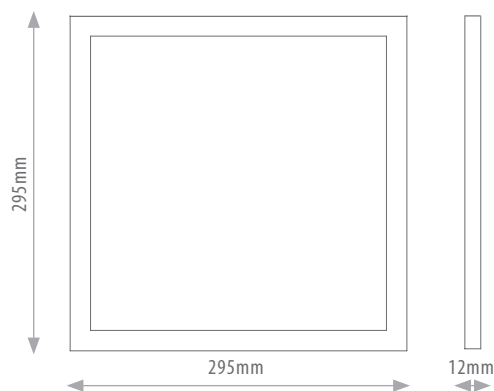
BEAM ANGLE

CRI

CCT

110VAC 60Hz, 230VAV 50Hz
0-10V/PWM, DALI or Tridonic
50,000 hours
20W
19
120°
>80 (Warm & Natural)
6,000-7,000K Cool White
3,800-4,500K Natural White
2,800-3,500K Warm White

SCHEMATIC OF CORONA-300S



OUTPUT

	Cool White	Natural White	Warm White
20W	1,460 lm	1,300 lm	1,120 lm

PRODUCT CODE BUILDER

E.G. CORONA-300S-W20WN-D

PRODUCT RANGE	LENGTH (MM)	LENS	TRIM	POWER	CCT	DIMMING	MOUNTING CODE BUILDER	
Corona	- 300S	P (Prismatic)	- W (White) - S (Silver)	20W	C (Cool White) N (Natural White) W (Warm White)	- ND (None) - D (0-10V/PWM) - DD (DALI) - TD (Tridonic DALI)	Corona-Mount	- W (Wall/Ceiling) - R (Recessed Frame) - S (Suspended) - H (Hard Surface) - B (Box Frame)



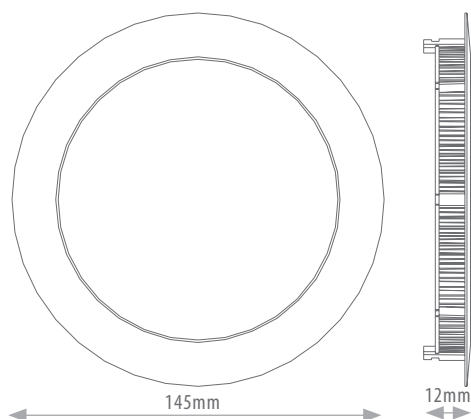
PRODUCT INFORMATION

MEASUREMENTS	LENGTH	DEPTH
	145 / 180 / 240mm	12mm
LIGHT SOURCE	Epistar LED	
LENS	Frosted PC or Prismatic	
HOUSING	Aluminium alloy	
MOUNTING	Recessed (with 2 x spring clips)	
TRIM	Silver	

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	110VAC 60Hz, 230VAC 50Hz
DIMMABLE	0-10V/PWM, DALI or Tridonic
LIFESPAN	50,000 hours
POWER	8W, 15W, 26W
BEAM ANGLE	120°
CRI	>75
CCT	6,000-7,000K Cool White 3,800-4,500K Natural White 2,800-3,500K Warm White RGB

SCHEMATIC OF CORONA-145C



OUTPUT

	Cool White	Natural White	Warm White
8W	650 lm	600 lm	450 lm
15W	1,300 lm	1,200 lm	1,000 lm
26W	2,200 lm	2,000 lm	1,800 lm

PRODUCT CODE BUILDER

E.G. CORONA-240C-26WN-D-R

PRODUCT RANGE	DIAMETER (MM)	LENS	POWER	CCT	DIMMING
Corona	- 145C (145)	P (Prismatic)	- 8W	C (Cool White)	- ND (None)
	- 180C (180)		- 15W	N (Natural White)	- D (0-10V/PWM)
	- 240C (240)		- 26W	W (Warm White)	- DD (DALI)
				X (RGB)	- TD (Tridonic DALI)

Corona™ XP - IP65

INDUSTRIAL / EXTERNAL LUMINAIRE



PRODUCT INFORMATION

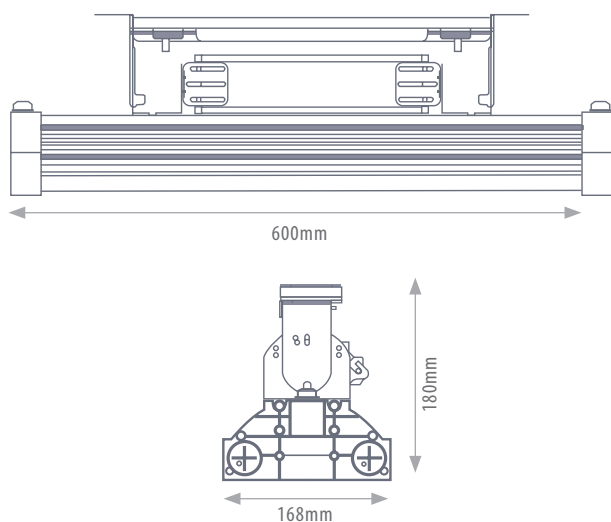
MEASUREMENTS	LENGTH	WIDTH	DEPTH
WEIGHT	600mm	168mm	180mm
LIGHT SOURCE	5.6kg		
LENS	Nichia LED		
HOUSING	Clear, Frosted ¹ , Prismatic ¹		
MOUNTING	Aluminium alloy (AL 6063)		
	Suspended, Wall Mounted, Recessed		

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	85-277VAC, 50/60Hz
DIMMABLE	Yes
LIFESPAN	50,000 hours
POWER	35W
LUMENS	2,625 lm
EFFICACY	90 lm/W
BEAM ANGLE	160°
CCT*	4,210K Natural
CRI	95
COI#	2.0
INGRESS PROTECTION	IP65

* OTHER CCT OPTIONS AVAILABLE (NON CYANOSIS COMPLIANT - COOL, NATURAL, WARM)
 #CYANOSIS OBSERVATION INDEX (NATA LABORATORY CERTIFIED TO AS/NZS 1680.2.5:1997)
¹ PRODUCT CODE CHANGES FOR:- FROSTED LENS (E.G. CORONAXP-600R-WPCY35WNF-D)
 & PRISMATIC LENS (E.G. CORONAXP-600R-WPCY35WNP-D)

SCHEMATIC OF CORONAXP-600R



PRODUCT CODE

CORONAXP-600R-WPCY35WN-D

CoronaTM Rectangular

MEDICAL ULTRA SLIM PANEL



PRODUCT INFORMATION



MEASUREMENTS

LENGTH 1,195mm
WIDTH 295mm
DEPTH 8mm

LENS

Frosted PC or Prismatic

HOUSING

Aluminium alloy

MOUNTING

Default - mount in T-Bar ceiling grid
Wall/Ceiling Mount, Recessed with Frame Kit,
Suspended, Hard Surface, Box Frame.

TRIM

White or Silver

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

110VAC 60Hz, 240VAC 50Hz

DIMMABLE

0-10V/PWM, DALI or Tridonic

LIFESPAN

50,000 hours

POWER

26W, 40W, 70W

BEAM ANGLE

120°

CRI

95

CCT

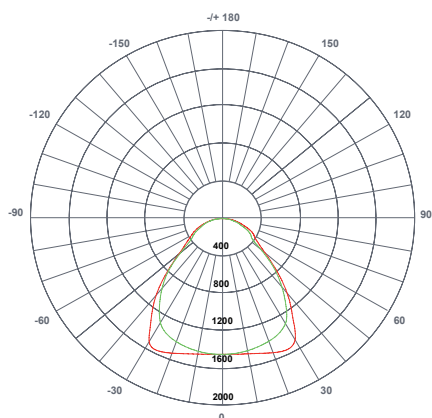
~3,970K Natural White

COI*

1.0

*CYANOSIS OBSERVATION INDEX (NATA LABORATORY CERTIFIED TO AS/NZS 1680.2.5:1997)

BEAM ANGLE = 120°



Unit: cd

c0/180 : PRISMATIC

c90/270 : STANDARD

SCHEMATIC OF CORONA-1200RS



PRODUCT CODE BUILDER

E.G. CORONA-1200RS-CYW40WN-D

PRODUCT RANGE	LENGTH (MM)	WIDTH (MM)	LENS	CYANOSIS	TRIM	POWER	CCT	DIMMING	MOUNTING CODE BUILDER	
Corona	- 1200	RS(300)	P (Prismatic)	- CY	W (White)	26W	N (Natural White)	- ND (None)	Corona-Mount	- W (Wall/Ceiling)
					S (Silver)	40W		- D (Tridonic Dali)		- R (Recessed Frame)
						70W		- DD (DALI)		- S (Suspended)
								- TD (Tridonic DALI)		- H (Hard Surface)
										- B (Box Frame)



PRODUCT INFORMATION

MEASUREMENTS

LENGTH 595mm
WIDTH 595mm
DEPTH 8mm

LENS

Frosted PC or Prismatic

HOUSING

Aluminium alloy

MOUNTING

Default - mount in T-Bar ceiling grid
Wall/Ceiling Mount, Recessed with Frame Kit,
Suspended, Hard Surface, Box Frame.

TRIM

White or Silver

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

110VAC 60Hz, 240VAV 50Hz

DIMMABLE

0-10V/PWM, DALI or Tridonic

LIFESPAN

50,000 hours

POWER

30W, 40W, 50W

BEAM ANGLE

120°

CRI

95

CCT

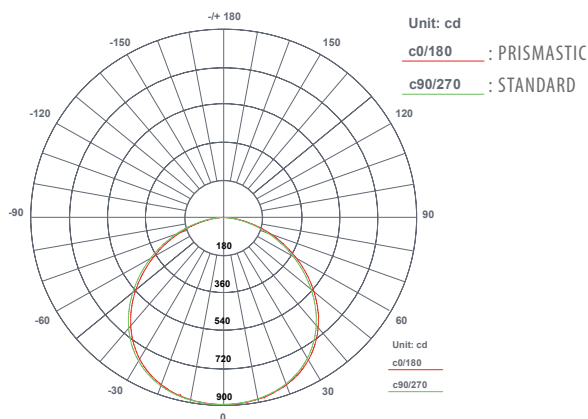
~3,970K Natural White

COI*

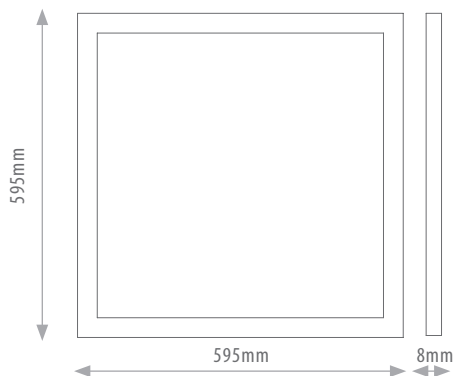
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*CYANOSIS OBSERVATION INDEX (NATA LABORATORY CERTIFIED TO AS/NZS 1680.2.5:1997)

BEAM ANGLE = 120°



SCHEMATIC OF CORONA-600SS



PRODUCT CODE BUILDER

E.G. CORONA-600SS-CYS40WN-D

PRODUCT RANGE	LENGTH (MM)	LENS	CYANOSIS	TRIM	POWER	CCT	DIMMING	MOUNTING CODE BUILDER	
Corona	- 600SS	P (Prismatic)	- CY	W (White) S (Silver)	30W 40W 50W	N (Natural White)	- ND (None) - D (0-10V/PWM) - DD (DALI) - TD (Tridonic DALI)	Corona-Mount	- W (Wall/Ceiling) - R (Recessed Frame) - S (Suspended) - H (Hard Surface) - B (Box Frame)



STANDARD

NO KIT REQUIRED:

Fits into T-Bar Ceiling Grid. Driver housed in ceiling.



RECESSED WITH FRAME KIT

MOUNTING CODE: R

Kit is recessed into plaster ceiling (cut out).

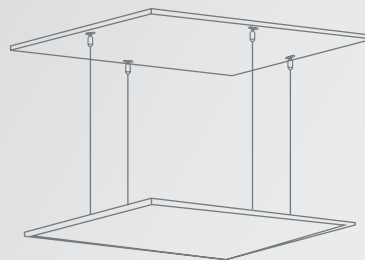
Driver is house in ceiling or on top of panel.



SUSPENDED

MOUNTING CODE: S

Driver is housed in ceiling or on top of panel.



WALL / CEILING MOUNT WITH BOX FRAME

SURFACE MOUNT BOX:

Contains panel and driver (between panel and surface).



HARD SURFACE

MOUNTING CODE: H

Driver is housed between panel and surface.





LED DOWNLIGHT RANGE





VEGA™ LED DOWNLIGHTS

OUR VEGA™ SERIES of LED downlights offers comprehensive solutions for virtually every downlight application.

New additions to this range include our thin-line Vega™ series, ideal for projects with limited clearance, and our new output and size options extend this series scope even further.

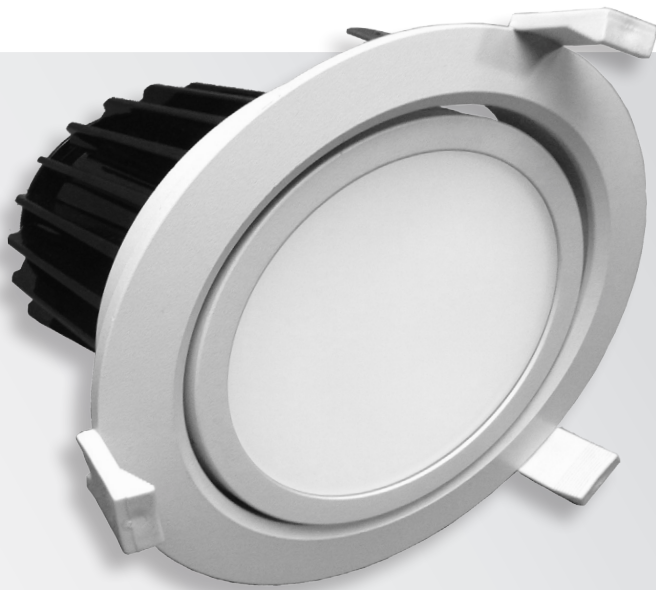
BENEFITS OF OUR RANGE

- ENERGY SAVINGS UP TO 80% COMPARED WITH TRADITIONAL DOWNLIGHT SOLUTIONS
- THE LATEST LED TECHNOLOGY FOR CONSISTENT LIGHT OUTPUT, COLOUR PERFORMANCE AND EXCELLENT COLOUR RENDERING
- DIMMABLE ON A VARIETY OF CONTROL SYSTEMS
- INTEGRATED TRANSFORMERS (STANDARD OR TRIDONIC™ OPTIONS)
- A TRUE 'FIT AND FORGET' SOLUTION, WITH EASY INSTALLATION AND A 35,000 HOUR LIFESPAN (TO L70) THAT SIGNIFICANTLY DECREASES THE NEED FOR COSTLY, TIME-CONSUMING LAMP MAINTENANCE AND REPLACEMENT
- AVAILABLE FOR VEET & IPART APPROVAL



Vega™ 4", 5" & 6"

DOWNLIGHT WITH ADJUSTABLE GIMBLE



PRODUCT INFORMATION



DIMENSIONS

	DIAMETER	DEPTH	CUT OUT RANGE
4"	105MM	102MM	88-98MM
5"	176MM	125MM	109-127MM
6"	187MM	147MM	144-167MM

LIGHT SOURCE

Epistar LED

LENS

Frosted Optical Grade PC

HOUSING

Aluminium

TRIM

Silver, White, Black, Optional

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

85-265VAC, 50/60HZ

DIMMABLE OPTIONAL

Optional (with Tridonic™ Dali Driver)

LIFESPAN

35,000 hours

POWER

10W, 12W, 13W, 15W, 20W, 26W, 32W

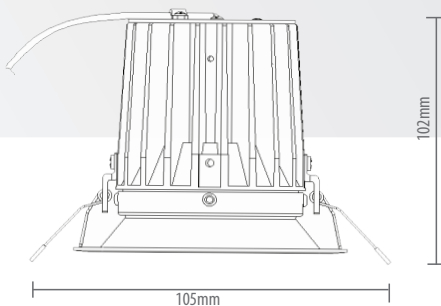
BEAM ANGLE

70°

CCT

5,700-6,500K Cool White	85
4,700-5,300K Natural White 2	85
3,700-4,200K Natural White	>92
2,900-3,200K Warm White	>92

SCHEMATIC OF VEGA ADJUSTABLE 4"



OUTPUT

OUTPUT		4"		5" & 6"				
		10W	12W	13W	15W	20W	26W	32W
COOL	Efficacy	85 lm/W	85 lm/W	86 lm/W	86 lm/W	86 lm/W	85 lm/W	78 lm/W
WHITE	Luminous Flux	850 lm	1,020 lm	1,120 lm	1,290 lm	1,710 lm	2,210 lm	2,496 lm
NATURAL	Efficacy	80 lm/W	79 lm/W	76 lm/W	76 lm/W	76 lm/W	68 lm/W	69 lm/W
WHITE 2	Luminous Flux	800 lm	950 lm	990 lm	1,140 lm	1,520 lm	1,768 lm	2,208 lm
NATURAL	Efficacy	75 lm/W	75 lm/W	73 lm/W	73 lm/W	73 lm/W	66 lm/W	60 lm/W
WHITE	Luminous Flux	750 lm	900 lm	950 lm	1,095 lm	1,460 lm	1,720 lm	1,920 lm
WARM	Efficacy	70 lm/W	70 lm/W	70 lm/W	70 lm/W	70 lm/W	65 lm/W	56 lm/W
WHITE	Luminous Flux	700 lm	840 lm	910 lm	1,050 lm	1,400 lm	1,690 lm	1,790 lm

PRODUCT CODE BUILDER

E.G. VEGA-6AW715W-ND

PRODUCT CODE	SIZE (INCH)	ADJUSTABLE	TRIM (MM)	BEAM ANGLE	POWER (W)	CCT	DIMMING
VEGA	-4	A (Adjustable)	S (Silver)	7 (70°)	10/12	C (Cool White)	-ND (Non-Dimmable)
	-5		W (White)		13	N2 (Natural White 2)	-D (Dimmable)
	-6		B (Black)		15	N (Natural White)	-TD (Tridonic Dali Dimmable)
			O (Optional)		20	W (Warm White)	
					26		
					32		

Vega™ XP - 8"

THIN LINE DOWNLIGHT



PRODUCT INFORMATION

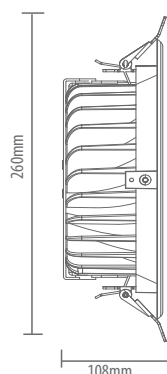


DIMENSIONS	DIAMETER	LENGTH	DEPTH	CUT OUT
8"	260MM	295MM	108MM	215MM
LIGHT SOURCE	Nichia High Power LED			
LENS	Nichia 183/757			
HOUSING	PC/PMMA			
TRIM	White			
IP RATING	Refective Aluminium Inside Trim IP20			

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	120V-277VAC, 50/60HZ
DIMMABLE OPTIONAL	Optional (0/10V, Dali, Tridonic™)
LIFESPAN	50,000 hours
POWER	20W, 24W
BEAM ANGLE	80°
CRI	>80
CCT	5,000K Cool White 4,000K Natural White 3,500K Warm White

* Cyanosis Observation Index (COI) compliant units available (CRI 95, COI 2.0 & IP44)



OUTPUT

		20W	24W
COOL	Efficacy	85 lm/W	80 lm/W
WHITE	Luminous Flux	1,700 lm	1,920 lm
NATURAL	Efficacy	80 lm/W	75 lm/W
WHITE	Luminous Flux	1,600 lm	1,800 lm
WARM	Efficacy	75 lm/W	70 lm/W
WHITE	Luminous Flux	1,500 lm	1,680 lm

PRODUCT CODE BUILDER

E.G. VEGAXP-8W820N-ND

PRODUCT CODE	CYANOSIS COMPLIANT	SIZE (INCH)	TRIM (MM)	BEAM ANGLE	POWER (W)	CCT	DIMMING	REFLECTOR
VEGAXP	-CY	-8	W (White)	8 (80°)	20	C (Cool White)	-ND (Non-Dimmable)	R (Aluminium Reflector)
					24	N (Natural White)	-D (Dimmable)	
						W (Warm White)	-TD (Tridonic-Dali Dimming)	
							-DD (DALI Dimmable)	

Vega™ SA - 4" & 6"

SPOT ADJUSTABLE DOUBLE HINGED



PRODUCT INFORMATION



DIMENSIONS

	DIAMETER	DEPTH	CUT OUT RANGE
4"	160MM	71MM	148MM
6"	200MM	101MM	190MM

LIGHT SOURCE

LENS

HOUSING

TRIM

Edison LED Chip
Optical Grade Glass
Aluminium
Silver, White, Black, Optional

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

DIMMABLE OPTIONAL

LIFESPAN

POWER

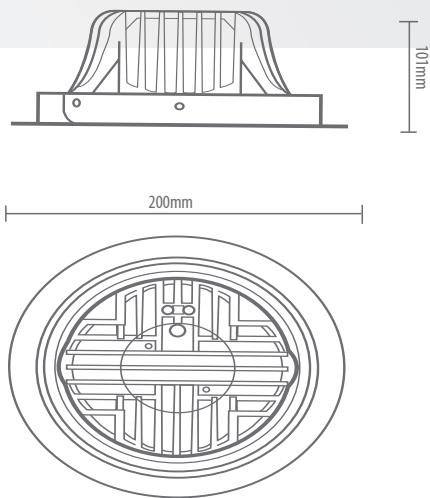
BEAM ANGLE

CRI

CCT

85-265VAC, 50/60HZ
Optional (with Tridonic™ Dali Dimming)
35,000 hours
28W, 38W
24°
90
6,000K Cool White
4,000K Natural White
3,000K Warm White

SCHEMATIC OF VEGA ADJUSTABLE 4"

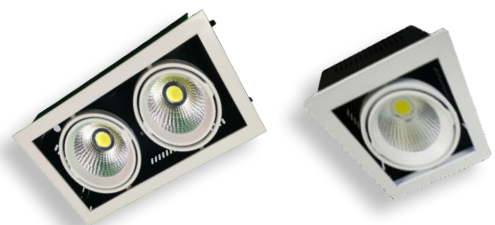


PRODUCT CODE BUILDER

E.G. VEGASA-4W228W-ND

OUTPUT

		28W	38W
COOL	Efficacy	79 lm/W	79 lm/W
WHITE	Luminous Flux	2,200 lm	3,000 lm
NATURAL	Efficacy	75 lm/W	76 lm/W
WHITE	Luminous Flux	2,100 lm	2,900 lm
WARM	Efficacy	71 lm/W	73 lm/W
WHITE	Luminous Flux	2,000 lm	2,800 lm

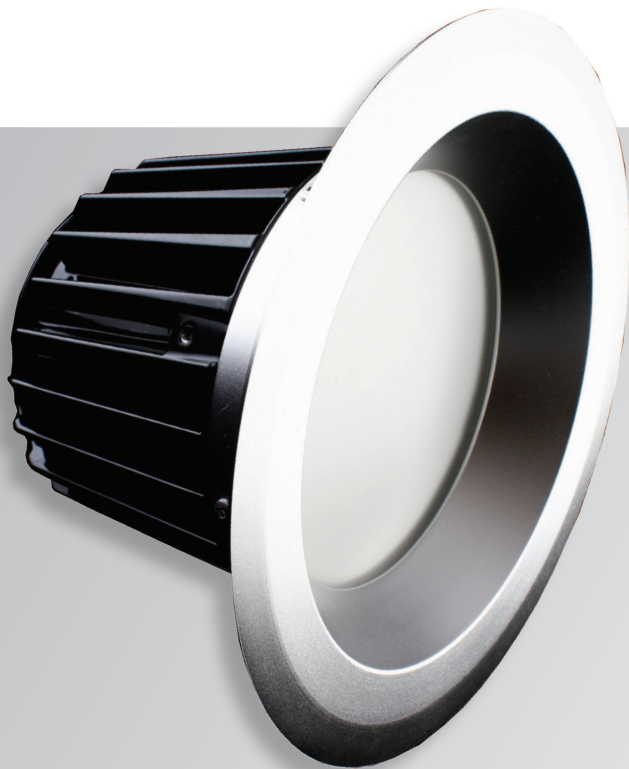


Also available in single (28W or twin (58W) box fitting

PRODUCT CODE	SIZE (INCH)	TRIM	BEAM ANGLE	POWER (W)	CCT	DIMMING
VEGASA	-4	S (Silver)	2 (24°)	28	C (Cool White)	-ND (Non-Dimmable)
	-6	W (White)		38	N (Natural White)	-D (Dimmable)
		B (Black)			W (Warm White)	-TD (Tridonic Dali Dimmable)
		O (Optional)				

Vega™ 4", 5", 6", 8" & 9"

DOWNLIGHTS



PRODUCT INFORMATION



DIMENSIONS

	DIAMETER	DEPTH	CUT OUT RANGE
3"	103MM	58MM	80-97MM
4"	105MM	102MM	81-107MM
5"	135MM	80MM	109-127MM
6"	186MM	147MM	144-167MM
8"	206MM	153MM	162-185MM
9"	244MM	163MM	195-230MM

LIGHT SOURCE

Epistar LED

LENS

Frosted Optical Grade PC

HOUSING

Aluminium, Secured with 3 Spring Clips

TRIM

Silver, White, Black, Optional

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

85-265VAC, 50/60HZ

DIMMABLE OPTIONAL

Optional (0/10V, Dali, Tridonic™)

LIFESPAN

35,000 hours

POWER

8W, 10W, 12W, 13W, 15W, 20W, 26W, 30W

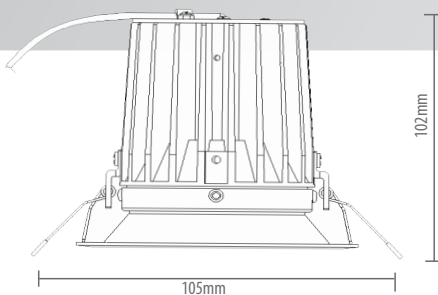
BEAM ANGLE

70°/80°

CCT

	CRI
5,700-6,500K Cool White	85
4,700-5,300K Natural White 2	85
3,700-4,200K Natural White	>92
2,800-3,200K Warm White	>92

SCHEMATIC OF VEGA 4"



OUTPUT

	3"	3" & 4"	4"	5", 6", 8" & 9"
8W	85 lm/W	85 lm/W	85 lm/W	86 lm/W
10W	680 lm	850 lm	1,000 lm	1,290 lm
12W	80 lm/W	80 lm/W	79 lm/W	86 lm/W
13W	640 lm	800 lm	950 lm	1,290 lm
15W	80 lm/W	80 lm/W	79 lm/W	86 lm/W
20W	640 lm	800 lm	950 lm	1,290 lm
26W	80 lm/W	80 lm/W	79 lm/W	86 lm/W
30W	640 lm	800 lm	950 lm	1,290 lm

PRODUCT CODE BUILDER

E.G. VEGA-6W820N-D

PRODUCT CODE	SIZE (INCH)	TRIM (MM)	BEAM ANGLE	POWER (W)	CCT	DIMMING
VEGA	-3	S (Silver)	7 (70°)	8 / 10	C (Cool White)	-ND (Non-Dimmable)
	-4	W (White)	8 (80°)	10 / 12	N2 (Natural White 2)	-D (Dimmable)
	-5	B (Black)		13	N (Natural White)	-DD (DALI Dimmable)
	-6	O (Optional)		15	W (Warm White)	-TD (Tridonic-DALI Dimmable)
	-8			20		
	-9			26		
				30		

CylleneTM





CYLLENE™ LED LIGHT RANGE

OUR CYLLEE™ SERIES presents an ideal replacement for traditional interior lighting technology. Our Cyllene lighting range provides excellent light output with the inherent benefits of LED technology.

BENEFITS OF OUR RANGE

- USES ~50% LESS ELECTRICITY THAN FLUORESCENT TECHNOLOGY
- LASTS ON AVERAGE 3 TIMES AS LONG AS CIRCULAR FLUORESCENT TUBES
- IS AVAILABLE IN A VARIETY OF POWER, SIZES & DESIGNS TO SUIT ANY APPLICATION
- GENERATES VERY LITTLE HEAT WHICH REDUCES LOAD ON AIR-CONDITIONING, LESSENS FIRE RISK AND IMPROVES SAFETY.
- DOES NOT REQUIRE BALLASTS - FURTHER REDUCING ENERGY COST AND FIXTURE WEIGHT
- DOES NOT CONTAIN MERCURY (Hg)
- DOES NOT EMIT UV RADIATION





PRODUCT INFORMATION



DIMENSIONS

	Length	Width	Height
12W	250mm	250mm	88mm
18W	300mm	300mm	88mm
24W	350mm	350mm	88mm

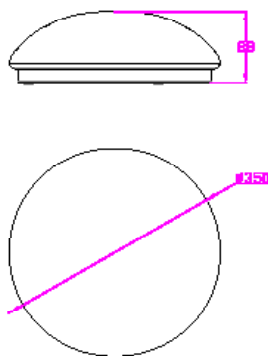
HOUSING VARIATIONS FRAME COLOUR IP RATING MOUNTING

Frosted Plastic with Mounting Base
Curved Edge, Inset Curves
White
IP44
Surface Mount

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-260VAC, 50/60Hz or 24VDC
DIMMABLE OPTIONAL	Optional
LIFESPAN	30,000 hours
POWER	12W, 18W, 24W
BEAM ANGLE	180°
CRI	>80
CCT	~5,700K Cool White ~3,000K Warm White

SCHEMATIC OF 24W CURVED EDGE OYSTER



OUTPUT

		12W	18W	24W
COOL WHITE	Efficacy	65 lm/W	65 lm/W	70 lm/W
	Luminous Flux	780 lm	1,170 lm	1,680 lm
WARM WHITE	Efficacy	60 lm/W	60 lm/W	65 lm/W
	Luminous Flux	720 lm	1,080 lm	1,560 lm



CYLLENE CURVED EDGE



CYLLENE INSET CURVES

PRODUCT CODE BUILDER

E.G. CYLLENE-W18WW-C180-ND

PRODUCT CODE	POWER (W)	CCT	COVER TYPE	BEAM ANGLE	DIMMABLE
CYLLENE-W	-12W	C (Cool White)	-C (Curved)	180	-ND (Non-Dimmable)
	-18W	W (Warm White)	-I (Inset Curves)		-D (Dimmable)
	-24W				-TD (Tridonic Dimmable)



PRODUCT INFORMATION



DIMENSIONS

	Diameter (D)	Depth (H)	Inner Disc (M)
12W	280mm	42mm	163mm
18W	360mm	46mm	212mm
24W	420mm	46mm	212mm

WEIGHT

1.05 - 1.25kg

HOUSING

Aluminium with Frosted PC

INNER DISC COLOUR

Silver, White, Black, Red or Orange

IP RATING

IP44

OPERATING TEMPERATURE

-20°C to + 45°C

MOUNTING

Wall/Ceiling Mount or Suspended

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

90-264V and 50/60Hz

DIMMABLE OPTIONAL

Optional

LIFESPAN

50,000 hours

POWER

12W, 18W, 24W

BEAM ANGLE

360° Up & Down

POWER FACTOR

>0.95

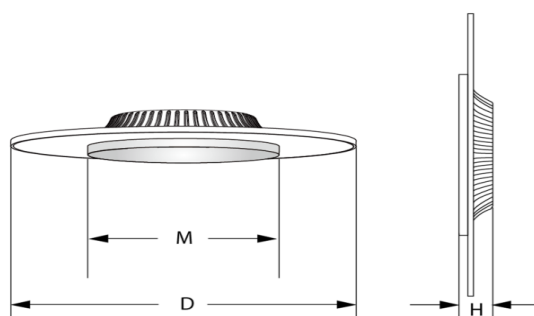
CRI

>80

CCT

~5,700K Cool White
~4,000K Natural White
~3,000K Warm White

SCHEMATIC OF CYLLENE HALO



OUTPUT

		12W	18W	24W
COOL WHITE	Efficacy	110 lm/W	110 lm/W	110 lm/W
	Luminous Flux	1,320 lm	1,980 lm	2,640 lm
NATURAL WHITE	Efficacy	100 lm/W	100 lm/W	100 lm/W
	Luminous Flux	1,200 lm	1,800 lm	2,400 lm
WARM WHITE	Efficacy	90 lm/W	90 lm/W	90 lm/W
	Luminous Flux	1,080 lm	1,620 lm	2,160 lm

PRODUCT CODE BUILDER

E.G. CYLLENE-H18WN-S-ND-W

PRODUCT CODE	POWER (W)	CCT	COVER COLOUR	DIMMING	MOUNTING
CYLLENE-H	12W	C (Cool White)	-S (Silver)	-ND (Non-Dimmable)	-W (Wall/Ceiling Mount)
	18W	N (Natural White)	-W (White)	-D (Dimmable)	-S (Suspended)
	24W	W (Warm White)	-B (Black)	-DD (DALI Dimmable)	
			-R (Red)	-TD (Tridonic Dimmable)	
			-O (Orange)		

Cyllene™ HALO DIRECT

DECORATIVE SUSPENDED LED LUMINAIRE



PRODUCT INFORMATION

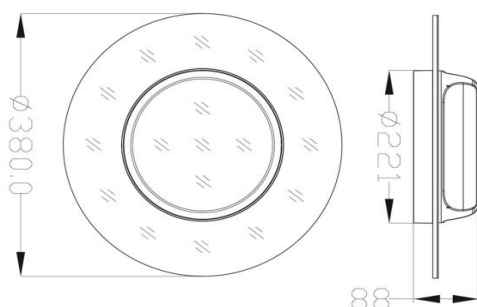


DIMENSIONS	26W/36W	Diameter	Depth	Inner Disc
WEIGHT		380mm	88mm	221mm
HOUSING		2.5kg		
INNER COLOUR		Aluminium with Frosted PC		
IP RATING		Silver, White, Red or Black		
OPERATING TEMPERATURE		IP20		
MOUNTING		-20°C to + 60°C		
		Suspended		

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-264V and 50/60Hz
DIMMABLE OPTIONAL	Optional
LIFESPAN	50,000 hours
POWER	26W, 36W
BEAM ANGLE	360° Up & Down
POWER FACTOR	>0.95
CRI	>80
CCT	~5,700K Cool White ~4,000K Natural White ~3,000K Warm White

SCHEMATIC OF CYLLENE HALO DIRECT



OUTPUT

		26W	36W
COOL	Efficacy	100 lm/W	96 lm/W
WHITE	Luminous Flux	2,600 lm	3,450 lm
NATURAL	Efficacy	92 lm/W	90 lm/W
WHITE	Luminous Flux	2,400 lm	3,250 lm
WARM	Efficacy	85 lm/W	85 lm/W
WHITE	Luminous Flux	2,200 lm	3,050 lm

PRODUCT CODE BUILDER

E.G. CYLLENE-HD26WN-S-ND

PRODUCT CODE	POWER (W)	CCT	INNER COLOUR	DIMMING
CYLLENE-HD	-26W	C (Cool White)	-S (Silver)	-ND (Non-Dimmable)
	-36W	N (Natural White)	-W (White)	-D (Dimmable)
		W (Warm White)	-B (Black)	-DD (DALI Dimmable)
			-R (Red)	-TD (Tridonic Dimmable)

NebulaTM

WALL WASHERS



NEBULA™ LED SERIES

OUR NEBULA™ LUMINAIRES represent unparalleled diversity in the Linear LED market. Rugged, IP66 fittings are ideal for wall washing any edifice or feature in vibrant colours, yet are just as at home on mine sites, or on large machinery providing general or customised illumination.

This series is highly customisable and able to work with a variety of control systems including DMX512 and DALI.

BENEFITS OF OUR RANGE

- SAVES UP TO 80% ON ELECTRICITY COSTS WHEN COMPARED WITH TRADITIONAL SOLUTIONS
- HAVE MULTIPLE LENS ANGLES AVAILABLE FOR PINPOINT ACCURACY
- ARE AVAILABLE IN A RANGE OF COLOUR OPTIONS INCLUDING SPECIFIC CCTS & RGB
- RATED TO IP66
- CONTAINS NO MERCURY WHICH ELIMINATES RECYCLING COSTS
- DOES NOT EMIT UV RADIATION





PRODUCT INFORMATION

MEASUREMENTS

	Length	Width	Depth	Weight
18W	600mm	70mm	121mm	3.2kg
30W	1000mm	70mm	121mm	4.5kg
36W	1200mm	70mm	121mm	5.9kg
48W	1200mm	70mm	121mm	6.5kg

LIGHT SOURCE

HOUSING

BRACKET MATERIAL

FRAME COLOUR

CONTROL

IP RATING

OPERATING TEMP

Nichia High Power LED

Aluminium alloy and adjustable mounting brackets

ST12

Silver, White, Black

RGB Standard with DMX512, DALI, PWM, 0-10V

IP66

-25°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

DIMMABLE OPTIONAL

LIFESPAN

POWER

BEAM ANGLE

CCT

85-277VAC, 50/60Hz or 24VDC

5-100%

50,000 hours

18W - 50W

10°, 15°, 25°, 30°, 50°

5,000-5,500K Cool White*

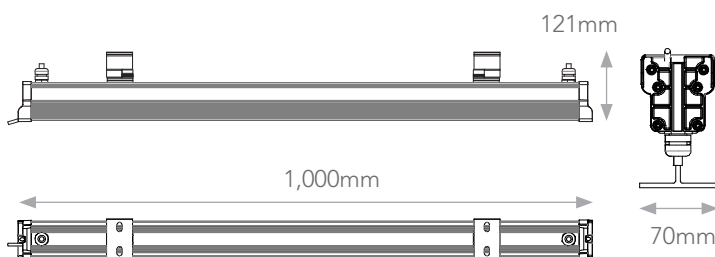
4,000-4,500K Natural White

2,700-3,000K Warm White

RGB

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

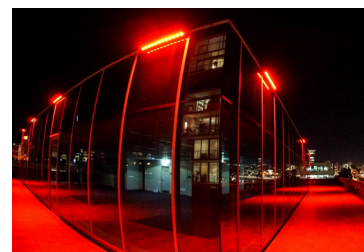
SCHEMATIC OF LINEAR 30W



OUTPUT

	COOL WHITE	RGB
18W	1,800lm	810lm
30W	3,000lm	1,350lm
36W	3,600lm	1,620lm
48W	4,800lm	2,160lm

TYPICAL APPLICATIONS



PRODUCT CODE BUILDER

E.G. NEBULA-L18W-30-RGB-B

PRODUCT CODE	POWER	BEAM ANGLE	CCT	TRIM	DIMMING
NEBULA-L	18W	-10	-WW (Warm White)	-S (Silver)	-DD (DALI)
	30W	-15	-NW (Natural White)	-W (White)	-D (0-10V)
	36W	-25	-CW (Cool White)	-B (Black)	-P (PWM)
	48W	-30	-RGB		
		-50			



PRODUCT INFORMATION

MEASUREMENTS

	Length	Width	Depth	Weight
20W	120mm	107mm	180mm	2.5kg
40W	268mm	203mm	161mm	3.8kg
80W	468mm	203mm	161mm	10.2kg
100W	567mm	203mm	161mm	13.4kg

LIGHT SOURCE

Nichia High Power LED

HOUSING

Aluminium alloy and adjustable mounting bracket

BRACKET MATERIAL

ST12

MOUNTING

Pole Mount - small size only (20W)

FRAME COLOUR

Silver, White, Black

CONTROL

RGB Standard with DMX512, DALI, PWM, 0-10V

IP RATING

IP66

OPERATING TEMP

-25°C to 55°C

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

85-277VAC, 50/60Hz or 24VDC

DIMMABLE OPTIONAL

5-100%

LIFESPAN

50,000 hours

POWER

20W - 100W

BEAM ANGLE

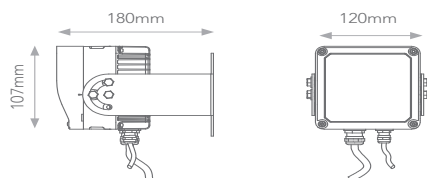
10°, 40°E (Elongated)

CCT

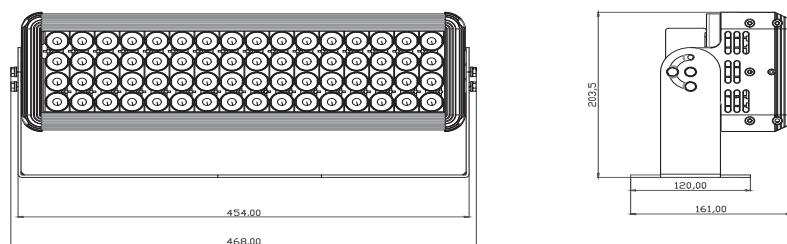
5,000-5,500K Cool White*
4,000-4,500K Natural White
2,700-3,000K Warm White
RGB

* FIGURES REPRESENTED IN LUMEN OUTPUT TABLE BELOW AT 5,000K

SCHEMATIC OF MULTI 20W



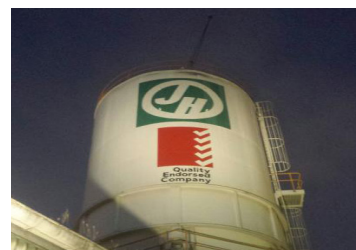
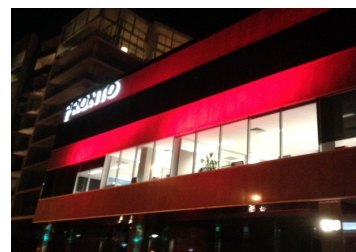
SCHEMATIC OF MULTI 80W



OUTPUT

	COOL WHITE	RGB
20W	1,900lm	900lm
40W	4,200lm	1,800lm
80W	8,400lm	3,600lm
100W	10,500lm	4,500lm

TYPICAL APPLICATIONS



PRODUCT CODE BUILDER

E.G. NEBULA-M40W-40E-RGB-S

PRODUCT CODE	POWER	BEAM ANGLE	CCT	TRIM	DIMMING
NEBULA-M	20W	-10	-WW (Warm White)	-S (Silver)	-DD (DALI)
	40W	-40E	-NW (Natural White)	-W (White)	-D (0-10V)
	80W		-CW (Cool White)	-B (Black)	-P (PWM)
	100W		-RGB		



ELARA™ DECORATIVE HIGH BAY LUMINAIRES

Retro looks with Andromeda™ inspired performance. These luminaires are available in any RAL colour and look and perform like nothing else on the market.

Our Elara™ series:

- ◆ Uses 50%-75% less electricity than high intensity discharge lamps
- ◆ Have a lifespan of 50,000 hrs +
- ◆ Are available in any RAL colour
- ◆ Is available in a variety of power, lens types and articulations for any environment or application
- ◆ Start up and shut down immediately. Perfect for photo sensor or motion sensor controls
- ◆ Has low inrush and operating currents
- ◆ Contains no harmful or toxic substances (no Hg) and are fully recyclable
- ◆ Does not emit UV radiation and does not require UV blocking filters
- ◆ Eliminates mercury recycling costs



N5433



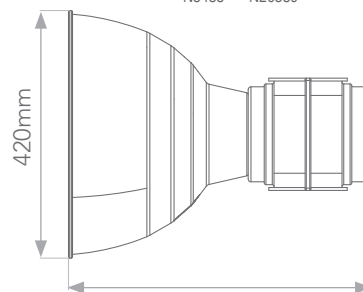
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Elara – Long Neck

DECORATIVE HIGH BAY



580mm

Schematic of ElaraL-40W

› PRODUCT INFORMATION

Measurements	Height	Diameter
	580mm	420mm
Light Source	Nichia High Power LED	
Lens	Customisable** IESNA Type I,II,III,V distribution	
Housing/ Trim	Aluminium alloy, Available in any RAL colour	

› TECHNICAL SPECIFICATIONS

Input Voltage	85-277VAC, 50/60Hz	
Lifespan	50,000hrs	
Power	40W - 120W	
Beam Angle	15° - 150° (Varied by lens)	
CRI	65 - Higher CRI is available	
CCT*	5,000-5,500K	Cool White
	4,200K	Natural White
IP	66	

* Refer to Andromeda™ for custom CCT options (Warm, AQ etc.)

** Refer to Andromeda™ Lens (page 9) for details

		40W	53W	67W	80W	93W	106W	120W
COOL WHITE	Efficacy	105 lm/W	105 lm/W	110 lm/W	110 lm/W	110 lm/W	110 lm/W	110 lm/W
	Luminous Flux	4,200 lm	5,565 lm	7,370 lm	8,800 lm	10,230 lm	11,660 lm	13,200 lm
NATURAL WHITE	Efficacy	100 lm/W	100 lm/W	105 lm/W	105 lm/W	105 lm/W	105 lm/W	105 lm/W
	Luminous Flux	4,000 lm	5,300 lm	7,035 lm	8,400 lm	9,765 lm	11,130 lm	12,600 lm

› PRODUCT CODE BUILDER

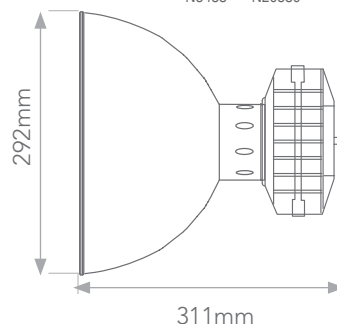
e.g. ElaraL-40W-NL81W

Product Range	Power	CCT	Lens	Trim
ElaraL	-40W	-C (Cool White)	L40	S (Silver)
	-53W	-N (Natural White)	L42	W (White)
	-67W		L61	B (Black)
	-80W		L64	R (Red)
	-93W		L81	G (Green)
	-106W			B (Blue)
	-120W			C (Custom)

IES Files available at www.empyreanlighting.com/downloads

Elara – Short Neck

DECORATIVE HIGH BAY



Schematic of ElaraS-40W

› PRODUCT INFORMATION

Measurements	Height	Diameter
40W	311mm	292mm
80W	406mm	412mm
120W	461mm	480mm
Light Source	Nichia High Power LED	
Lens	Customisable** IESNA Type I,II,III,V distribution	
Housing/ Trim	Aluminium alloy, Available in any RAL colour	

› TECHNICAL SPECIFICATIONS

Input Voltage	85-277VAC, 50/60Hz	
Lifespan	50,000 hours	
Power	40W, 80W, 120W	
Beam Angle	15° - 150° (Varied by lens)	
CRI	>65 - Higher CRI is available	
CCT*	5,000-5,500K	Cool White
	4,200K	Natural White
IP	66	

* Refer to Andromeda™ for custom CCT options (Warm, AQ etc.)

** Refer to Andromeda™ Lens (page 9) for details

		40W	80W	120W
COOL WHITE	Efficacy	105 lm/W	110 lm/W	110 lm/W
	Luminous Flux	4,200 lm	8,800 lm	13,200 lm
NATURAL WHITE	Efficacy	100 lm/W	105 lm/W	105 lm/W
	Luminous Flux	4,000 lm	8,400 lm	12,600 lm

› PRODUCT CODE BUILDER

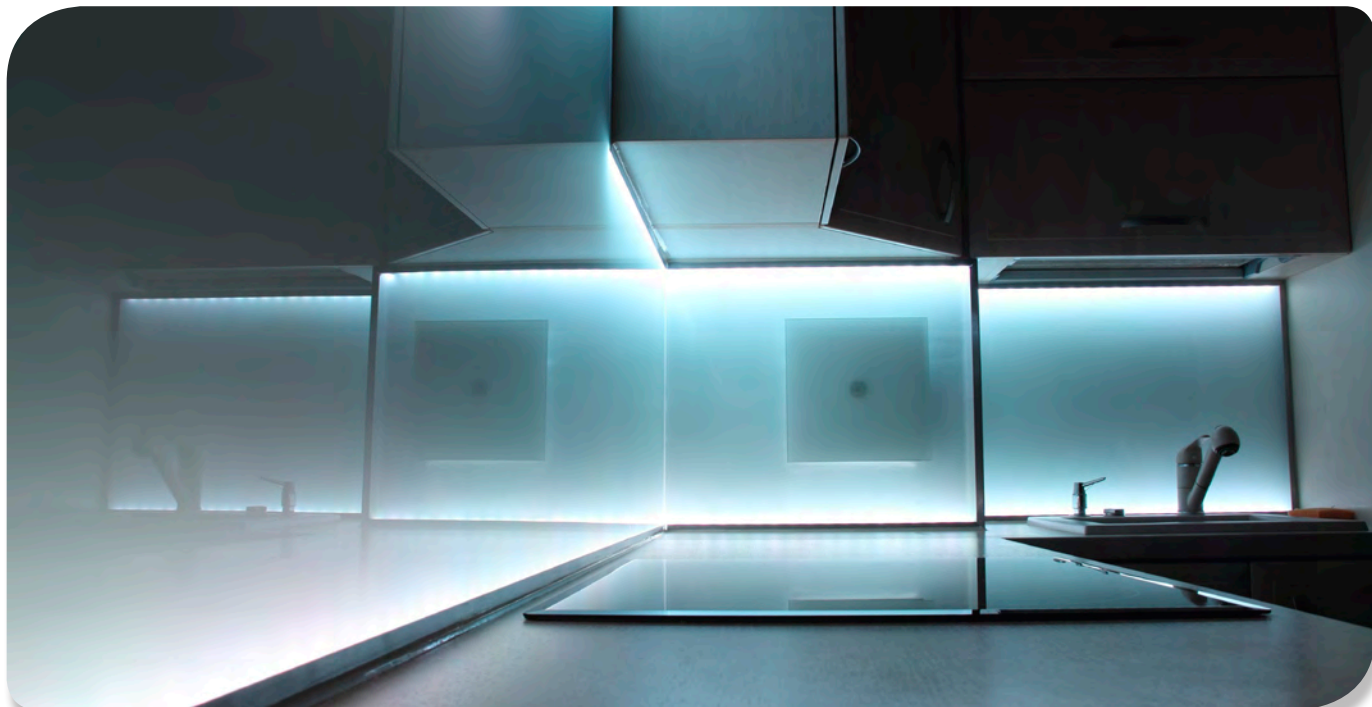
e.g. ElaraS-40W-NL81S

Product Range	Power	CCT	Lens	Trim
ElaraS	-40W	-C (Cool White)	L40	S (Silver)
	-80W	-N (Natural White)	L42	W (White)
	-120W		L61	B (Black)
			L64	R (Red)
			L81	G (Green)
				B (Blue)
				C (Custom)



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STARSTREAMTM LED STRIP LIGHTING

An innovative solution for replacing fluorescent and neon tubes used for feature lighting or signage. Being highly versatile and available in a multitude of colours and colour temperatures, your imagination is virtually the only limit with this efficient, green and safe product.

Our StarstreamTM range:

- ◆ Uses ~50-75% less electricity than other light sources, including neon
- ◆ Lasts on average 5 times longer than other light sources, including neon
- ◆ Waterproof ranges available to IP67
- ◆ Is durable, shock resistant and flexible
- ◆ Is easy to install and comes standard with 3M adhesive backing and a 12V transformer
- ◆ Is easy to customise and able to be cut every 8cm
- ◆ Contains no harmful or toxic substances
- ◆ Eliminates mercury recycling costs
- ◆ Does not emit UV radiation

StarstreamTM
STRIP LIGHTING

Product Range



N5433



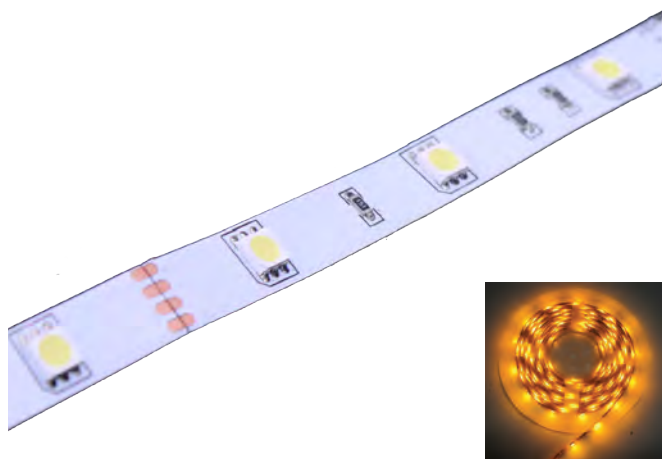
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Starstream Standard & High Intensity

LED STRIP LIGHTING



3528 LED	5050 LED	12V	120°	IP20 Rating	L70 50,000hrs	Indoor	5m max. length
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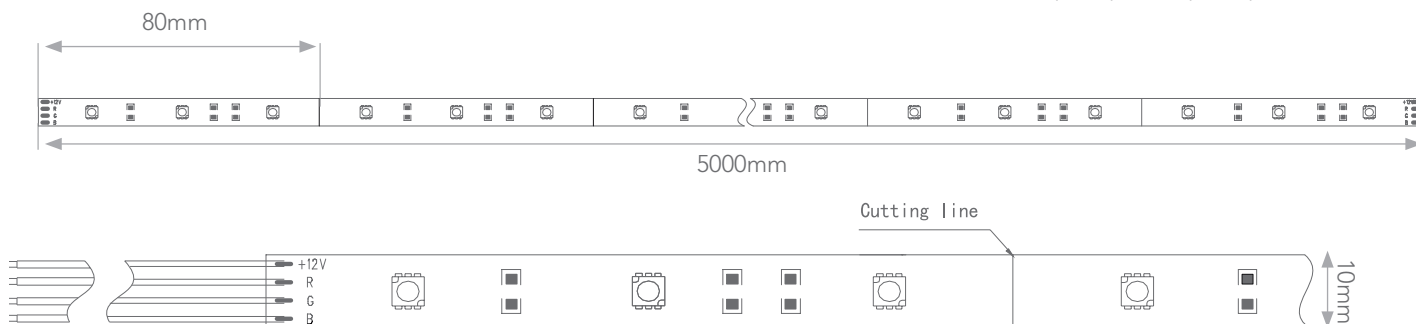


PRODUCT INFORMATION

Measurements	Length	Width
per roll	2.5/5m	10mm
Lens	Clear high strength PC	
Housing	Flexible circuit board Shock/vibration resistant Adhesive 3M backing	

TECHNICAL SPECIFICATIONS

Input Voltage	12V, 50/60Hz
Dimmable	Optional
Lifespan	50,000 hours
Power	24W, 36W
Beam Angle	120°
CCT	~5,800K (Cool White) ~4,000K (Natural White) ~3,000K (Warm White) RGB, Red, Green, Blue, Yellow



Starstream-36W-5MC

PRODUCT CODE BUILDER

e.g. Starstream-36W-5MC

Product Range	Power	Length (meters)	CCT
Starstream	-24W	-5M	C (Cool White)
StarstreamH	-36W	-2.5M	N (Natural White)
			W (Warm White)
			X (RGB)
			R (Red)
			G (Green)
			B (Blue)
			Y (Yellow)

STANDARD

Light Source	SMD 3528	SMD 5050
No. of LEDs	300 (60 per m)	150 (30 per m)
Max. Power Consumption	4.8 W/m	7.2 W/m

HIGH INTENSITY

Light Source	SMD 3528	SMD 5050
No. of LEDs	300 (120 per m)	150 (60 per m)
Max. Power Consumption	9.6 W/m	14.4 W/m
Output	~540 lm/m	~780 lm/m



StarstreamWP Standard & High Intensity

WATERPROOF LED STRIP LIGHTING

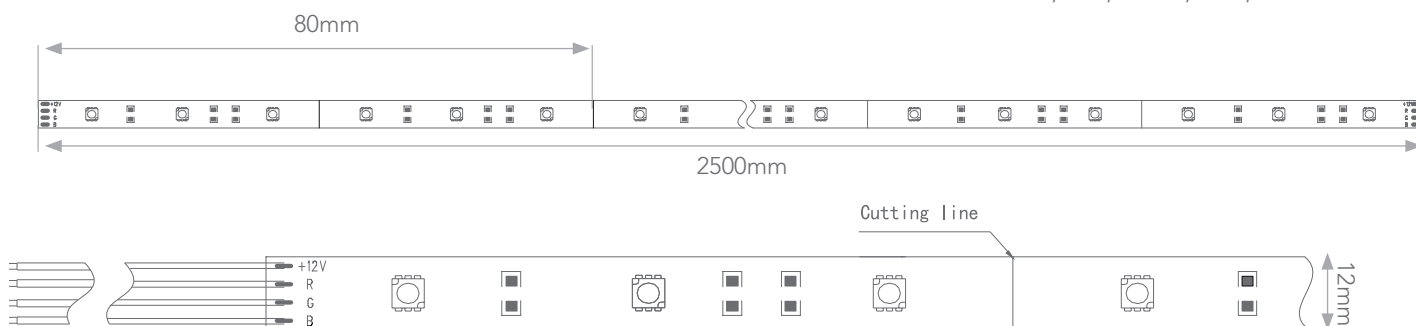


PRODUCT INFORMATION

Measurements	Length	Width
per roll	2.5/5m	12mm
Lens	Clear high strength PC	
Housing	Flexible circuit board Waterproof silicon tube Adhesive 3M backing Small Plastic Mounting Bracket	

TECHNICAL SPECIFICATIONS

Input Voltage	12V, 50/60Hz
Dimmable	Yes
Lifespan	50,000 hours
Power	24W, 36W
Beam Angle	120°
CCT	~5,800K (Cool White) ~4,000K (Natural White) ~3,000K (Warm White) RGB, Red, Green, Blue, Yellow



StarstreamWPH-36W-2.5MC

PRODUCT CODE BUILDER

e.g. StarstreamWPH-36W-2.5MN

Product Range	Power	Length (meters)	CCT
StarstreamWP	-24W	-5M	C (Cool White)
StarstreamWPH	-36W	-2.5M	N (Natural White)
			W (Warm White)
			X (RGB)
			R (Red)
			G (Green)
			B (Blue)
			Y (Yellow)

STANDARD

Light Source	SMD 3528	SMD 5050
No. of LEDs	300 (60 per m)	150 (30 per m)
Max. Power Consumption	4.8 W/m	7.2 W/m

HIGH INTENSITY

Light Source	SMD 3528	SMD 5050
No. of LEDs	300 (120 per m)	150 (60 per m)
Max. Power Consumption	9.6 W/m	14.4 W/m
Output	~540 lm/m	~780 lm/m

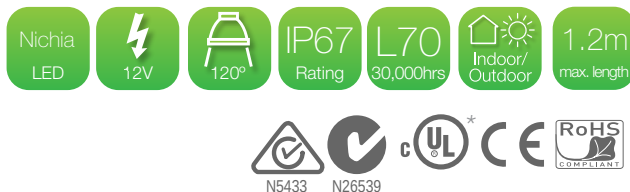


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Starstream XP Rigid

RIGID LED STRIP LIGHTING

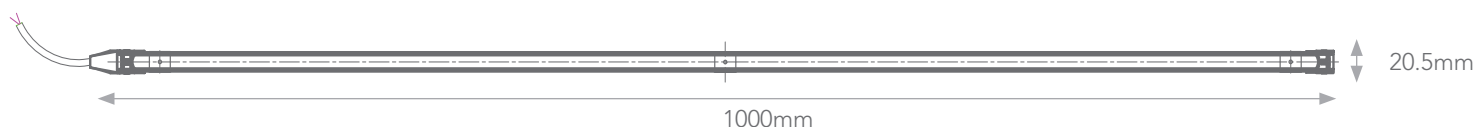


› PRODUCT INFORMATION

Measurements	Length	Width	Depth
	0.6/1/1.2m	20.5mm	17.5mm
Lens	Clear high strength PC, Other Options		
Housing	Aluminium Extrusion + Clear PC Cover		
Connection	Direct Link / Flexible Link		

› TECHNICAL SPECIFICATIONS

Input Voltage	12V, 50/60Hz
Dimmable	Yes
Lifespan	50,000 hours
Power	7W, 8W, 11W, 13W, 15W,
Beam Angle	120°
CCT	~5,800K (Cool White) ~4,000K (Natural White) ~3,000K (Warm White) RGB, Red, Green, Blue, Yellow



Schematic of StarstreamRigid XPH13W/XPB15W

› PRODUCT CODE BUILDER

e.g. StarstreamRigidXPH-7W-0.6MC

Product Range	Power	Length (meters)	CCT
StarstreamRigidXPH	-7W	-0.6M	C (Cool White)
	-11W	-1.0M	N (Natural White)
	-13W	-1.2M	W (Warm White)
StarstreamRigidXPB	-8W	-0.6M	X (RGB)
	-13W	-1.0M	R (Red)
	-15W	-1.2M	G (Green)
			B (Blue)

XPH (80lm/W)	Power	Output	XPB (82lm/W)	Power	Output
0.6mL	7W	560 lm	0.6mL	8W	656 lm
1.0mL	11W	880 lm	1.0mL	13W	1,066 lm
1.2mL	13W	1,040 lm	1.2mL	15W	1,230 lm



12V TRANSFORMER

12V Driver (transformer)



DMX CONTROLLER & REMOTE

Customisable



RGB CONTROLLER & REMOTE

17 Control Options



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POLARISTM LED SPOTLIGHTS

The PolarisTM series of spotlights for retrofit and replacement lamps represent the pinnacle of LED innovation and quality.

Our PolarisTM range:

- ◆ Uses ~80% less electricity than traditional light sources
- ◆ Lasts on average 17 times longer than other light sources
- ◆ Uses the latest in CREE, SHARP and Seoul Semiconductor (SSC) diode technology
- ◆ Have exceptional CRI & CCT values specifically designed to mirror traditional lighting characteristics
- ◆ Generates very little heat which reduces loads on air-conditioning, lessens fire risk and improves safety
- ◆ Contains no harmful or toxic substances and are fully recyclable
- ◆ Does not emit UV radiation
- ◆ Designed to fit in most incumbent fittings
- ◆ Most products have VEET & IPART approvals

PolarisTM

SPOTLIGHTS

XP Product Range



N5433



N26539



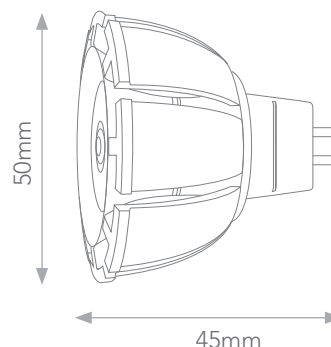
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Polaris XPH 7W with Adaptive Technology

ADAPTIVE HIGH INTENSITY MR16 SPOTLIGHT

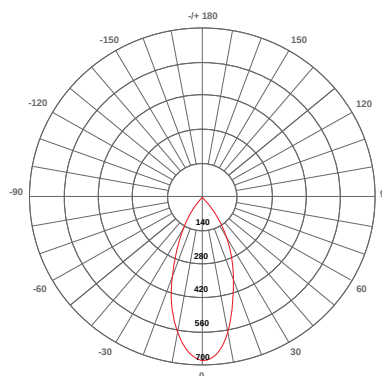


PRODUCT INFORMATION

Lamp Base	MR16 (GU5.3)
Measurements	<i>Diameter</i> 50mm <i>Length</i> 45mm
Light Source	Sharp
Lens	Optical glass with glare reduction
Housing	Aluminium heatsink

TECHNICAL SPECIFICATIONS

Input Voltage	12VDC, 50/60Hz
Dimmable	Yes
Lifespan	30,000 hours
Efficacy	61 lm/W
Luminous Flux	500 lm
Luminous Intensity	1,290 cd
Power Factor	0.92
Power	7W
Beam Angle	25° / 40°
CRI	82
CCT	4,000K Natural White 3,000K Warm White 2,700K Warm White 2



Beam Angle = 40°

Distance	Beam Angle = 40°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.37	2,720.0
1.0		0.73	680
2.0		1.46	170
3.0		2.19	75.6
4.0		2.92	42.5
5.0		3.65	27.2
6.0		4.38	18.9
7.0		5.11	13.9
8.0		5.84	10.6
9.0		6.57	8.4
10.0		7.30	6.8

PRODUCT CODE BUILDER

e.g. PolarisXPH-AT7WMR16-W40

Product Range	Wattage	Lamp Base	CCT	Beam Angle
PolarisXPH-AT	7W	MR16	-N (Natural White)	25
			-W (Warm White)	40
			-W2 (Warm White)	

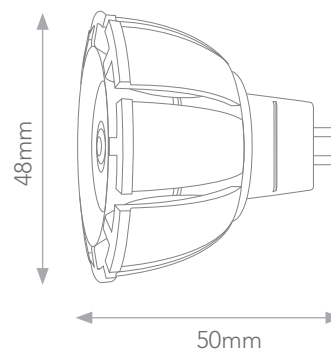
Adaptive Technology analyses and adapts to virtually any waveform and works with most transformers and dimmers.



Polaris XP 7W Cree MTG Lamp



HIGH INTENSITY MR16 SPOTLIGHT

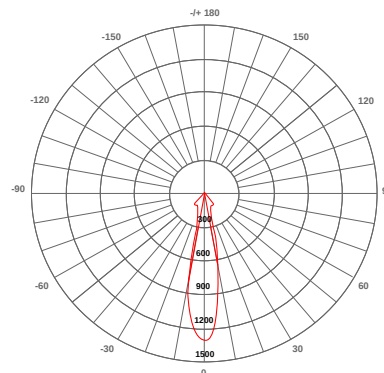


PRODUCT INFORMATION

Lamp Base	MR16 (GU5.3)
Measurements	Diameter (mm) Length (mm)
	48mm 50mm
Light Source	CREE MT-G Platinum LED
Lens	Optical grade glass (light transmission 97%+)
Housing	Aluminium heatsink

TECHNICAL SPECIFICATIONS

Input Voltage	12VDC, 50/60Hz
Dimmable	Yes
Lifespan	30,000 hours
Efficacy	69 lm/W
Luminous Flux	480 lm
Luminous Intensity	1,250 cd
Power Factor	0.8
Power	7W
Beam Angle	32° / 54°
CRI	82
CCT	4,000K Natural White 3,000K Warm White



Beam Angle = 32°

Distance	Beam Angle = 32°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.28	4,800.0
1.0		0.55	1200.0
2.0		1.10	300.0
3.0		1.65	133.3
4.0		2.20	75.0
5.0		2.75	48.0
6.0		3.30	33.3
7.0		3.85	24.5
8.0		4.40	18.8
9.0		4.95	14.8
10.0		5.50	12.0

PRODUCT CODE BUILDER

e.g. PolarisXP-7WMR16-W32



PolarisXP

-7W

MR16

-N (Natural White)

32

-W (Warm White)

54



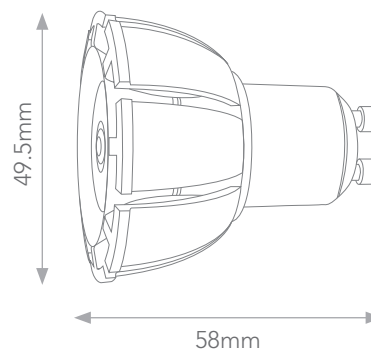
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Polaris XP 7W Cree X-Lamp

HIGH INTENSITY GU10 SPOTLIGHT

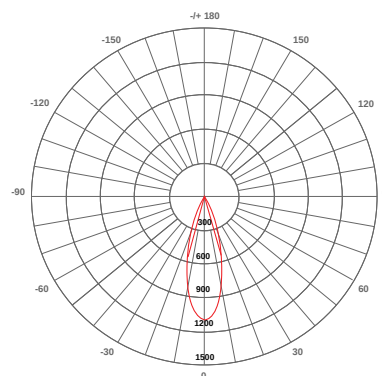


PRODUCT INFORMATION

Lamp Base	GU10
Measurements	<i>Diameter</i> <i>Length</i>
	49.5mm 58mm
Light Source	CREE X-Lamp
Lens	Optical glass with glare reduction
Housing	Aluminium heatsink

TECHNICAL SPECIFICATIONS

Input Voltage	110VAC 60Hz, 230VAC 50Hz
Dimmable	Yes
Lifespan	35,000 hours
Efficacy	64 lm/W
Luminous Flux	450 lm
Luminous Intensity	1,150 cd
Power Factor	0.9
Power	7W
Beam Angle	20° / 35° / 60°
CRI	82
CCT	4,000K Natural White 3,000K Warm White 2,700K Warm White 2



Beam Angle = 35°

Distance	Beam Angle = 35°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.31	3,400.0
1.0		0.63	850.0
2.0		1.25	212.5
3.0		1.88	94.4
4.0		2.51	53.1
5.0		3.14	34.0
6.0		3.76	23.6
7.0		4.39	17.3
8.0		5.02	13.3
9.0		5.65	10.5
10.0		6.27	8.5

PRODUCT CODE BUILDER

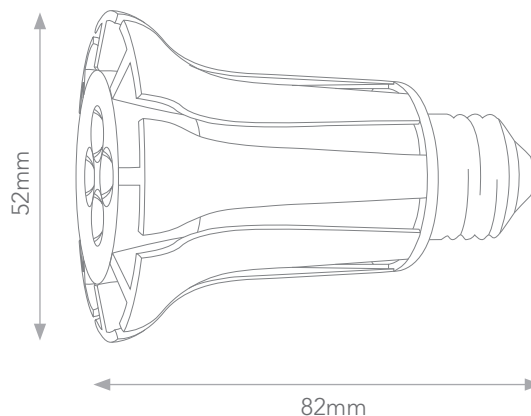
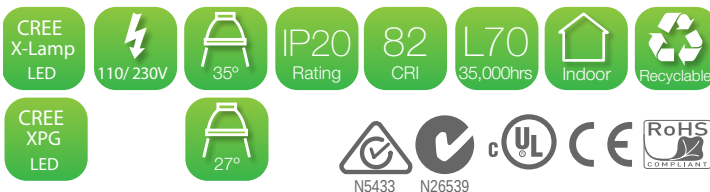
e.g. PolarisXP-7WGU10-W35

Product Range	Wattage	Lamp Base	CCT	Beam Angle
PolarisXP	-7W	GU10	-N (Natural White)	20
			-W (Warm White)	35
			-W2 (Warm White)	60



Polaris XP 8W + CTA

PAR20 SPOTLIGHT

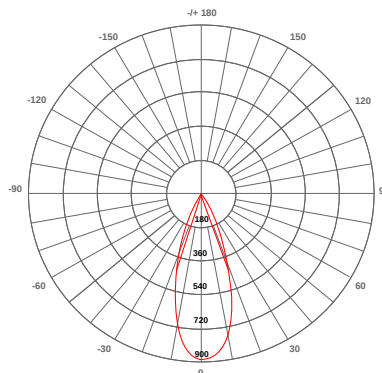


PRODUCT INFORMATION

Lamp Base	E27/E26	
Measurements	Diameter	Length
	52mm	82mm
Light Source	PAR20	CREE X-Lamp
	PAR20 CTA	CREE XPG
Lens	Optical grade glass (light transmission 97%+)	
Housing	Aluminium heatsink	

TECHNICAL SPECIFICATIONS

Input Voltage	110VAC 60Hz, 230VAC 50Hz	
Dimmable	Yes	
Lifespan	35,000 hours	
Efficacy	PAR20	PAR20 CTA
	50 lm/W	46 lm/W
Luminous Flux	400 lm	370 lm
Luminous Intensity	1,350 cd	1,000 cd
Power Factor	0.86	0.86
Power	8W	8W
Beam Angle	35°	27°
CRI	82	82
CCT	4,000K Natural White 3,000K Warm White 2,700K Warm White2	2,000K - 2,850K Warm White (Range)



Beam Angle = 35°

Distance	Beam Angle = 35°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.31	3,600.0
1.0		0.62	900.0
2.0		1.24	225.0
3.0		1.86	100.0
4.0		2.48	56.3
5.0		3.11	36.0
6.0		3.73	25.0
7.0		4.35	18.4
8.0		4.97	14.1
9.0		5.59	11.1
10.0		6.21	9.0

PRODUCT CODE BUILDER

e.g. PolarisXPPAR20-8WE27-W35

Product Range	Wattage	Lamp Base	CCT	Beam Angle
PolarisXPPAR20	-8W	E27	-N (Natural White)	35
PolarisXPPAR20CTA		E26	-W (Warm White)	27 (CTA)
			-W2 (Warm White)	
			-W (CTA Warm White)	



CTA refers to
Colour Temperature Adjustable



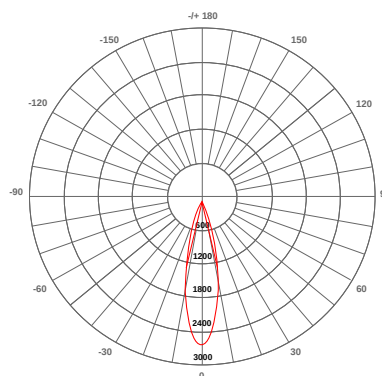
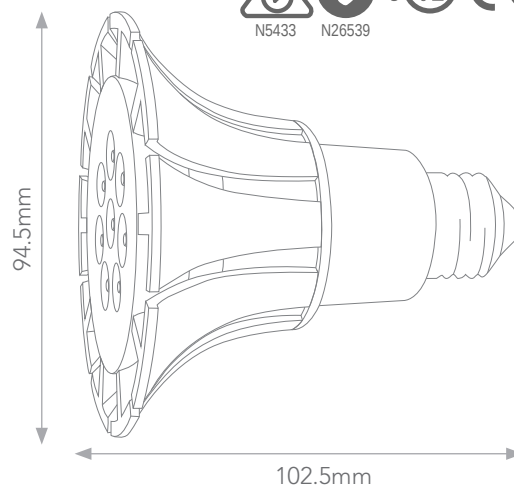
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Polaris XP 12W

PAR30 SPOTLIGHT



Beam Angle = 25°

› PRODUCT INFORMATION

Lamp Base	E27/E26
Measurements	<i>Diameter</i> <i>Length</i>
	94.5mm 102.5mm
Light Source	CREE XBD
Lens	Optical grade glass (light transmission 97%+)
Housing	Aluminium heatsink

› TECHNICAL SPECIFICATIONS

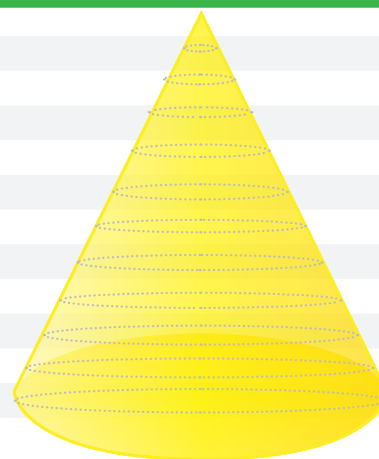
Input Voltage	110VAC 60Hz, 230VAC 50Hz
Dimmable	Yes
Lifespan	35,000 hours
Efficacy	58 lm/W
Luminous Flux	700 lm
Luminous Intensity	2,100 cd
Power Factor	0.9
Power	12W
Beam Angle	25° / 40°
CRI	82
CCT	4,000K Natural White 3,000K Warm White 2,700K Warm White 2

› PRODUCT CODE BUILDER

e.g. PolarisXPPAR30-12WE27-W40

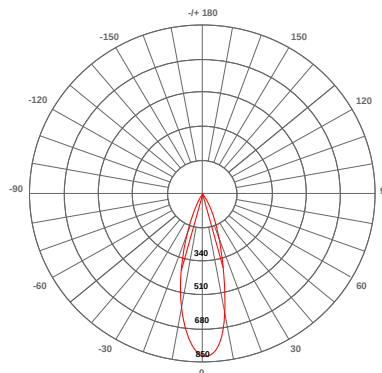
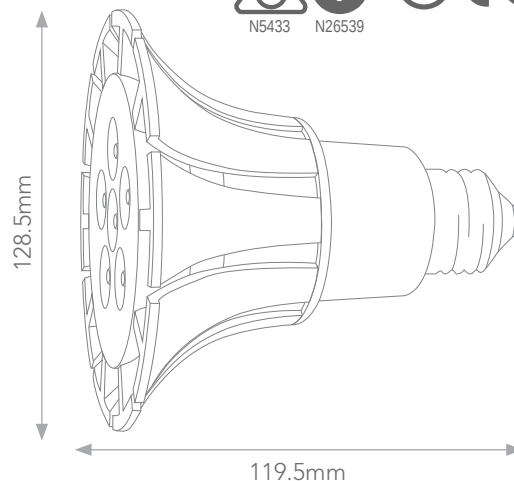
Product Range	Wattage	Lamp Base	CCT	Beam Angle
PolarisXPPAR30	-12W	E27	-N (Natural White)	25
		E26	-W (Warm White)	40
			-W2 (Warm White)	

Distance	Beam Angle = 25°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.22	10,400
1.0		0.44	2,600.0
2.0		0.87	650.0
3.0		1.31	288.9
4.0		1.74	162.5
5.0		2.18	104.0
6.0		2.61	72.2
7.0		3.05	53.1
8.0		3.48	40.6
9.0		3.92	32.1
10.0		4.36	26.0



Polaris XP 20W + 25W

PAR38 SPOTLIGHT



Beam Angle = 25°

PRODUCT INFORMATION

Lamp Base	E27	
Measurements	<i>Diameter</i>	<i>Length</i>
	128.5mm	119.5mm
Light Source	CREE XBD	
Lens	Optical glass with minimal glare	
Housing	Aluminium heatsink	

TECHNICAL SPECIFICATIONS

Input Voltage	110VAC 60Hz, 230VAC 50Hz	
Dimmable	Yes	
Lifespan	35,000 hours	
	20W	25W
Efficacy	60 lm/W	80 lm/W
Luminous Flux	1,200 lm	2,000 lm
Luminous Intensity	3250 cd	5420 cd
Power Factor	0.9	0.9
Power	20W	25W
Beam Angle	25° / 40°	25° / 40°
CRI	82	82
CCT	4,000K	Natural White
	3,000K	Warm White
	2,700K	Warm White 2

PRODUCT CODE BUILDER

e.g. PolarisXPPAR38-20WE27-W40

Product Range	Wattage	Lamp Base	CCT	Beam Angle
PolarisXPPAR38	-20W	E27	-N (Natural White)	25
	-25W		-W (Warm White)	40
			-W2 (Warm White)	

Distance	Beam Angle = 25°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.19	26,000
1.0		0.37	6,500.0
2.0		0.74	1,625.0
3.0		1.11	722.2
4.0		1.48	406.3
5.0		1.85	260.0
6.0		2.22	180.6
7.0		2.59	132.7
8.0		2.96	101.6
9.0		3.33	80.2
10.0		3.70	65.0

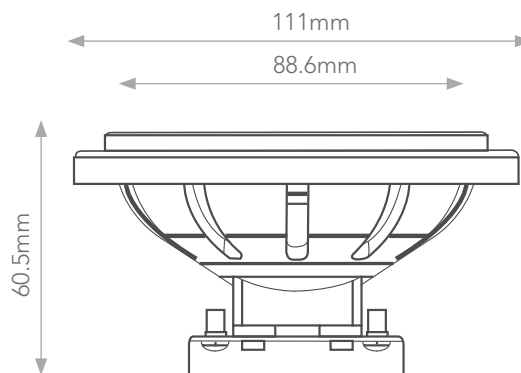


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Polaris XP 16W

AR-111 SPOTLIGHT

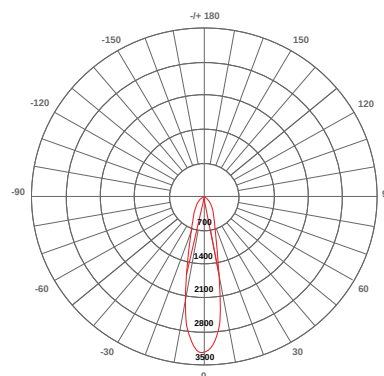


› PRODUCT INFORMATION

Lamp Base	AR-111
Measurements	<i>Diameter</i> <i>Length</i>
	88.6mm Inner 60.5mm
	111mm Outer
Light Source	CREE X-Lamp
Lens	Optical glass with minimal glare
Housing	Aluminium heatsink

› TECHNICAL SPECIFICATIONS

Input Voltage	110VAC 60Hz, 230VAC 50Hz
Dimmable	No
Lifespan	30,000 hours
Efficacy	63 lm/W
Luminous Flux	1,000 lm
Luminous Intensity	1,700 cd
Power Factor	0.9
Power	16W
Beam Angle	25° / 40°
CRI	82
CCT	4,000K Natural White 3,000K Warm White 2,700K Warm White 2



Beam Angle = 25°

Distance	Beam Angle = 25°	Diameter	Lux
(m)		(m)	(lx)
0.5		0.20	12,800
1.0		0.41	3,200.0
2.0		0.81	800.0
3.0		1.22	355.6
4.0		1.62	200.0
5.0		2.03	128.0
6.0		2.43	88.9
7.0		2.84	65.3
8.0		3.25	50.0
9.0		3.65	39.5
10.0		4.06	32.0

› PRODUCT CODE BUILDER

e.g. PolarisXP-AR111-16W-W40



PolarisXP-AR111	-16W	-N (Natural White)	25
		-W (Warm White)	40
		-W2 (Warm White)	





C Product Range



N5433



N26539



Our Polaris™ C range represents a high quality, mass market alternative for MR16 and GU10 retrofit or replacement applications. Using next generation LED diodes combined with cutting edge thermo-plastic heatsink technology, the Polaris™ C range delivers premium performance at a reduced cost.

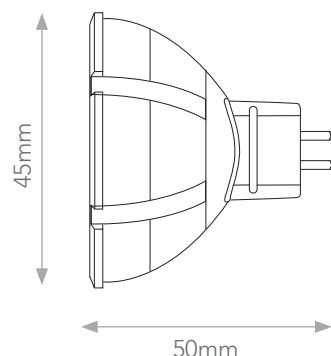


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Polaris C 4W

MR16 SPOTLIGHT

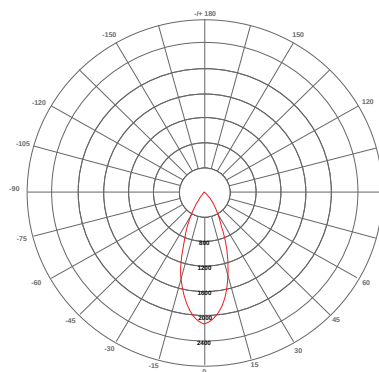


› PRODUCT INFORMATION

Product Codes	PolarisC-4WMR16-W36	
Lamp Base	MR16 (GU5.3)	
Measurements	<i>Diameter</i>	<i>Length</i>
	45mm	50mm
Light Source	Epistar LED	
Lens	Optical grade glass (light transmission 97% +)	
Housing	Thermo-plastic heatsink	

› TECHNICAL SPECIFICATIONS

Input Voltage	12VDC, 50/60Hz
Dimmable	No
Lifespan	25,000 hours
Efficacy	63 lm/w
Luminous Flux	250 lm
Power	4W
Beam Angle	36°
CRI	80
CCT	~2,700K Warm White

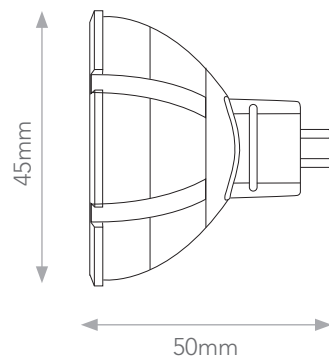


Beam Angle = 36°



Polaris C 6W

MR16 SPOTLIGHT

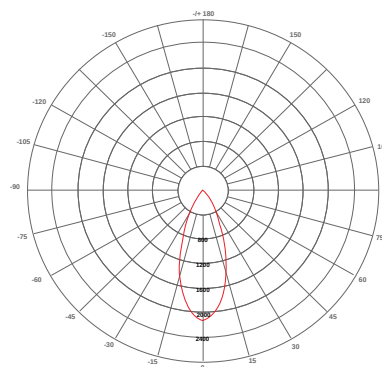


› PRODUCT INFORMATION

Product Codes	PolarisC-6WMR16-W36	
Lamp Base	MR16 (GU5.3)	
Measurements	<i>Diameter</i>	<i>Length</i>
	45mm	50mm
Light Source	Epistar LED	
Lens	Optical grade glass (light transmission 97% +)	
Housing	Thermo-plastic heatsink	

› TECHNICAL SPECIFICATIONS

Input Voltage	12VDC 50/60Hz
Dimmable	No
Lifespan	25,000 hours
Efficacy	63 lm/w
Luminous Flux	380 lm
Power	6W
Beam Angle	36°
CRI	80
CCT	~2,700K Warm White



Beam Angle = 36°



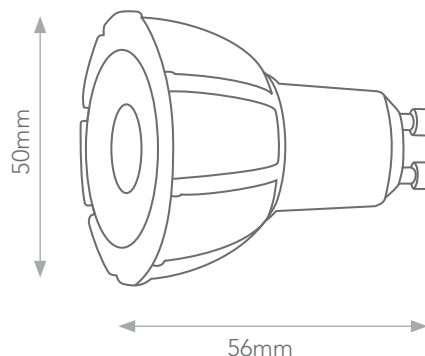
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Polaris C 4W

GU10 SPOTLIGHT

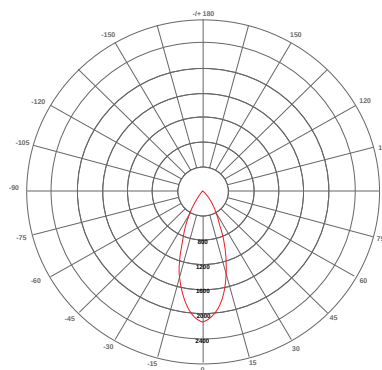


› PRODUCT INFORMATION

Product Codes	PolarisC-4WGU10-W36	
Lamp Base	GU10	
Measurements	<i>Diameter</i>	<i>Length</i>
	50mm	56mm
Light Source	Epistar LED	
Lens	Optical grade glass (light transmission 97% +)	
Housing	Thermo-plastic heatsink	

› TECHNICAL SPECIFICATIONS

Input Voltage	110VAC 60Hz, 230VAC 50Hz
Dimmable	No
Lifespan	25,000 hours
Efficacy	63 lm/w
Luminous Flux	250 lm
Power	4W
Beam Angle	36°
CRI	80
CCT	~2,700K Warm White

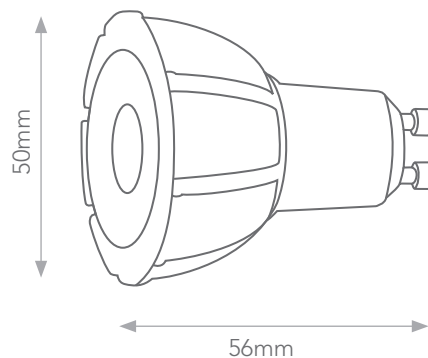


Beam Angle = 36°



Polaris C 6W

GU10 SPOTLIGHT

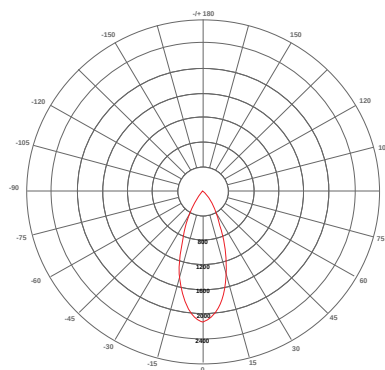


› PRODUCT INFORMATION

Product Codes	PolarisC-6WGU10-W36	
Lamp Base	GU10	
Measurements	<i>Diameter</i>	<i>Length</i>
	50mm	56mm
Light Source	Epistar LED	
Lens	Optical grade glass (light transmission 97% +)	
Housing	Thermo-plastic heatsink	

› TECHNICAL SPECIFICATIONS

Input Voltage	110VAC 60Hz, 230VAC 50Hz
Dimmable	No
Lifespan	25,000 hours
Efficacy	63 lm/w
Luminous Flux	380 lm
Power	6W
Beam Angle	36°
CRI	80
CCT	~2,700K Warm White



Beam Angle = 36°



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