

*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 features unparalleled thermal management which guarantees performance and lifespan. The versatility in this range is possible through multiple options in output, articulation, frame material, colour and CCT. There is literally an Andromeda™ for every application!

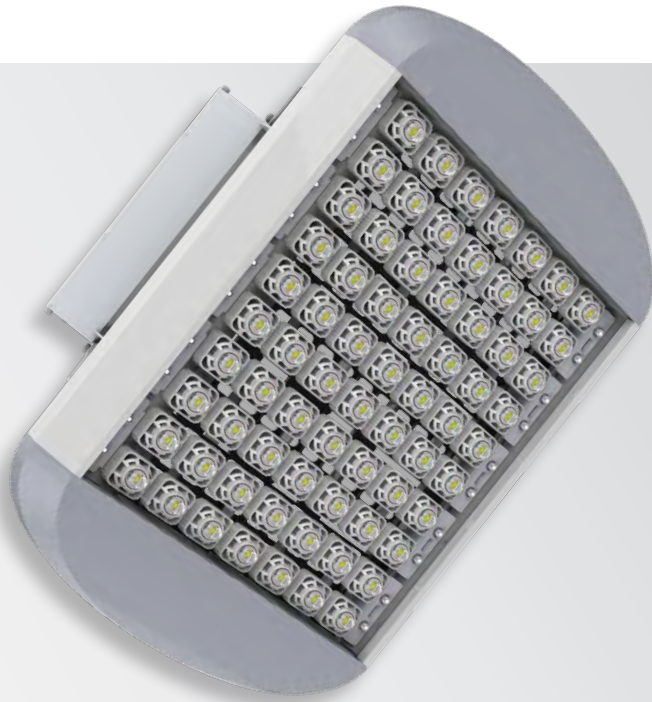
BENEFITS OF OUR RANGE

- USES 50%-75% LESS ELECTRICITY THAN HIGH INTENSITY DISCHARGE LUMINAIRES
- LIFESPAN OF 50,000 HRS+ (TO L70)
- IS IP66
- IS AVAILABLE IN 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 Flood

CERAMIC LED FLOODLIGHT



PRODUCT INFORMATION

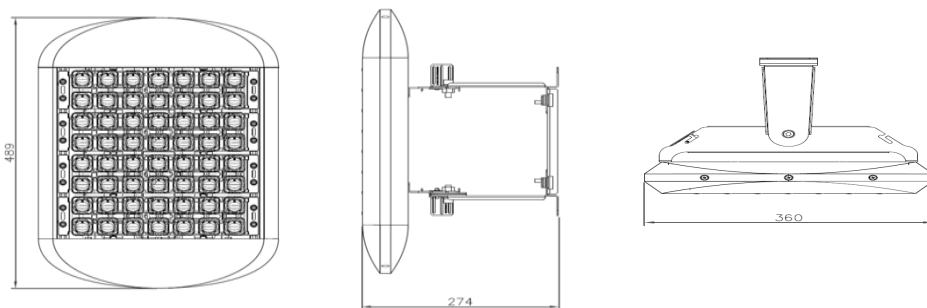
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade) Ceramic Diode Seat with Polycarbonate Pixel Rails ST12
BRACKET MATERIAL	Wall Mount, Surface Mount, Suspended (Hook)
BRACKET TYPE	Silver, White, Black
FRAME COLOUR	IK08 (Bracket & Frame Only)
MECHANICAL IMPACT RESISTANCE	IP66
IP RATING	-40°C to 55°C
OPERATING TEMP	

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard)
DIMMABLE	Non-dimmable standard
LIFESPAN	50,000 hours to L70
POWER	40W - 410W
POWER FACTOR	0.95
BEAM ANGLE	Distribution Ranges - Refer to lens options page IESNA Type I, II, III, IV & V distribution
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. Varying input voltage including 24V DC to 480V. CCT Options - ~4000K Natural White & ~3000K Warm White.

SCHEMATIC OF ANDROMEDA C FLOOD 140W & 165W



PRODUCT CODE	POWER	OUTPUT (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-Flood-40	40W	4,800	800mA	261	360	274	4.2kg
Andromeda-C-Flood-45	45W	5,400	800mA	261	360	274	4.5kg
Andromeda-C-Flood-70	70W	8,400	800mA	337	360	274	5.1kg
Andromeda-C-Flood-85	85W	10,200	800mA	337	360	274	5.5kg
Andromeda-C-Flood-110	110W	13,200	800mA	413	360	274	5.9kg
Andromeda-C-Flood-125	125W	15,000	800mA	413	360	274	6.3kg
Andromeda-C-Flood-140	140W	16,800	800mA	489	360	274	6.7kg
Andromeda-C-Flood-165	165W	19,800	800mA	489	360	274	7.2kg
Andromeda-C-Flood-180	180W	21,600	800mA	565	360	274	8.3kg
Andromeda-C-Flood-210	210W	25,200	800mA	565	360	274	8.6kg
Andromeda-C-Flood-220	220W	26,400	800mA	641	360	274	9.2kg
Andromeda-C-Flood-250	250W	30,000	800mA	641	360	274	10.4kg
Andromeda-C-Flood-280	280W	33,600	800mA	717	360	274	12.0kg
Andromeda-C-Flood-320	320W	38,400	800mA	869	360	274	14.8kg
Andromeda-C-Flood-360	360W	43,200	800mA	945	360	274	15.0kg
Andromeda-C-Flood-370	370W	44,400	800mA	869	360	274	15.3kg
Andromeda-C-Flood-410	410W	49,200	800mA	945	360	274	16.1kg

TYPICAL APPLICATIONS



Andromeda™ C Pole Mount

CERAMIC POLE MOUNT LED LUMINAIRE



PRODUCT INFORMATION

LIGHT SOURCE
HOUSING

BRACKET MATERIAL
BRACKET TYPE

FRAME COLOUR
MECHANICAL IMPACT RESISTANCE
IP RATING
OPERATING TEMP

Nichia High Power LED
6063 Aluminium (Marine Grade)
Ceramic Diode Seat with Polycarbonate Pixel Rails
ST12
Pole Mount 60mm Outer Diameter with Adjustable
Angle Mount -10° to 15° & Secure Point Cable
Silver, White, Black
IK08 (Bracket & Frame Only)
IP66
-40°C to 70°C

TECHNICAL SPECIFICATIONS

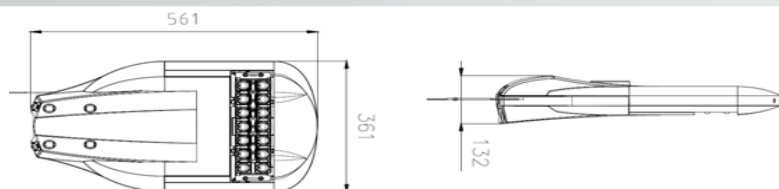
INPUT VOLTAGE
DIMMABLE
LIFESPAN
POWER
POWER FACTOR
BEAM ANGLE

LUMINOUS EFFICACY
CCT

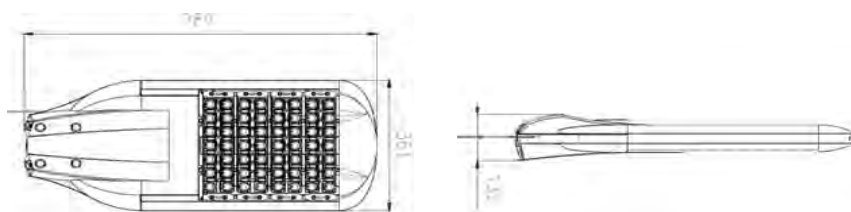
90-305VAC, 50/60Hz (Standard)
Non-dimmable standard
50,000 hours to L70
40W - 250W
0.95
Distribution Ranges - Refer to lens options page
IESNA Type I, II, III, IV & V distribution
120 lm/W
5,000-5,500K Cool White >70 (CRI) Standard

Additional Options - Frame options 304SS & 316SS. Dimmable with 0-10V, PWM, DALI, PE Cell or Nema 7. Varying input voltage including 24V DC to 480V. CCT Options - ~4000K Natural White & ~3000K Warm White.

SCHEMATIC OF ANDROMEDA C POLE 70W & 85W



SCHEMATIC OF ANDROMEDA C POLE 140W & 160W



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-PoleM-40	40W	4,800	800mA	561	361	132	8.3kg
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	10.0kg
Andromeda-C-PoleM-125	125W	15,000	800mA	713	361	132	10.6kg
Andromeda-C-PoleM-140	140W	16,800	800mA	789	361	132	11.0kg
Andromeda-C-PoleM-160	160W	19,200	800mA	789	361	132	11.6kg
Andromeda-C-PoleM-180	180W	21,600	800mA	865	361	132	12.0kg
Andromeda-C-PoleM-210	210W	25,200	800mA	865	361	132	12.5kg
Andromeda-C-PoleM-220	220W	26,400	800mA	941	361	132	13.0kg
Andromeda-C-PoleM-250	250W	30,000	800mA	941	361	132	13.8kg

TYPICAL APPLICATIONS



Andromeda™ C Pole Mount

SMALL CERAMIC LED POLE MOUNT LED LUMINAIRES



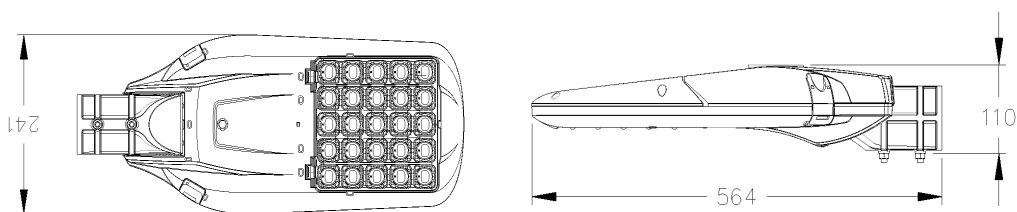
PRODUCT INFORMATION

LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade) Ceramic Diode Seat with Polycarbonate Pixel Rails
BRACKET MATERIAL	ST12
BRACKET TYPE	Pole Mount 60mm Diameter
FRAME COLOUR	Silver, White, Black
MECHANICAL IMPACT RESISTANCE	IK10
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	20W, 25W, 30W
POWER FACTOR	0.95
BEAM ANGLE	Distribution Ranges - Refer to lens options page IESNA Type I,II,III, IV & V distribution
LUMINOUS EFFICACY	120 lm/W (Cool & Natural White) 110lm/W (Warm White)
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. Varying input voltage including 24V DC to 480V. CCT Options - ~4000K Natural White & ~3000K Warm White.

SCHEMATIC OF 20W/25W/30W



TYPICAL APPLICATIONS



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-PoleMS-20	20W	2,400	800mA	564	241	110	4kg
Andromeda-C-PoleMS-25	25W	3,000	800mA	564	241	110	4.3kg
Andromeda-C-PoleMS-30	30W	3,600	800mA	564	241	110	4.3kg



PRODUCT INFORMATION

LIGHT SOURCE	Nichia High Power LED
HOUSING	ADC12 Aluminium (Marine Grade) Ceramic Diode Seat with Polycarbonate Pixel Rails
BRACKET MATERIAL	SGCC
BRACKET TYPE	Wall Mount or Surface Mount
FRAME COLOUR	Silver RAL 9006
MECHANICAL IMPACT RESISTANCE	IK10
IP RATING	IP66
OPERATING TEMP	-40°C to 55°C

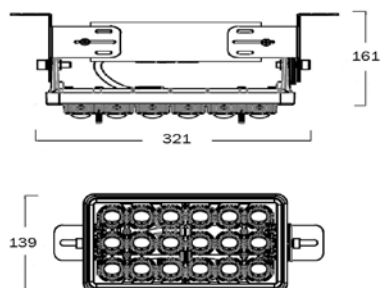
TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard)
DIMMABLE	Non-dimmable standard
LIFESPAN	125,000 hours to L70
POWER	20W - 120W
POWER FACTOR	0.95
BEAM ANGLE	60°, 90°, 120°, 150°
LUMINOUS EFFICACY	130 lm/W
CCT	5,000K Cool White
(CRI)	>70 Standard

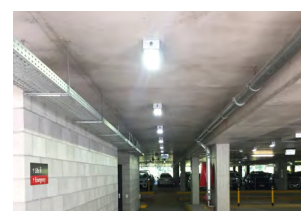
Additional Options - Dimmable with 0-10V or DALI, Low input voltage (24V DC), Lens types & CCT Options - ~4000K Natural White & ~3000K Warm White.

Please enquire directly to Emiprean for more information on MOQ's.

SCHEMATIC OF CERAMIC TRI LINEAR (80W)



TYPICAL APPLICATIONS



PRODUCT CODE	POWER	OUTPUT* (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-Tri-Linear-20	20W	2,600	760mA	261	139	153	1.8kg
Andromeda-C-Tri-Linear-30	30W	3,900	760mA	261	139	153	1.8kg
Andromeda-C-Tri-Linear-40	40W	5,200	760mA	261	139	153	1.9kg
Andromeda-C-Tri-Linear-60	60W	7,800	700mA	321	139	161	2.0kg
Andromeda-C-Tri-Linear-70	70W	9,100	700mA	321	139	161	2.0kg
Andromeda-C-Tri-Linear-80	80W	10,400	700mA	321	139	161	2.0kg
Andromeda-C-Tri-Linear-100	100W	13,000	660mA	428	145	161	3.0kg
Andromeda-C-Tri-Linear-120	120W	15,600	700mA	428	145	161	3.0kg

Andromeda™ C LinearTri Motion

CERAMIC LED CARPARK / STAIRWELL LUMINAIRE



PRODUCT INFORMATION

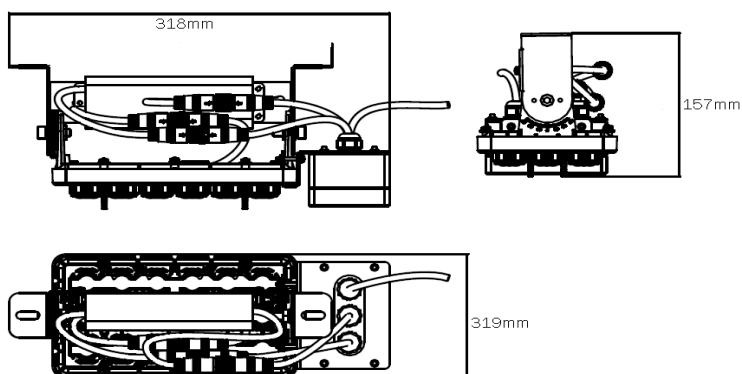
LIGHT SOURCE	Nichia High Power LED
HOUSING	ADC12 Aluminium (Marine Grade) Ceramic Diode Seat with Polycarbonate Pixel Rails SGCC
BRACKET MATERIAL	Wall Mount or Surface Mount
BRACKET TYPE	Silver RAL 9006
FRAME COLOUR	IK10
MECHANICAL IMPACT RESISTANCE	IP66
IP RATING	-40°C to 55°C
OPERATING TEMP	

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard)
DIMMABLE	Yes
MOTION SENSOR	Microwave
OPERATING INTERVAL	15 secs to 10 mins
LIFESPAN	125,000 hours to L70
POWER	30W & 40W
POWER FACTOR	0.95
BEAM ANGLE	60°, 90°, 120°, 150°
LUMINOUS EFFICACY	130 lm/W
CCT	5,000 Cool White
CRI	>70 Standard

Additional Options for powers and ~4000K Natural White & ~3000K Warm White please enquire directly to Emptrean for more information on MOQ's.

SCHEMATIC OF ANDROMEDA C LINEAR MOTION SENSOR 40W

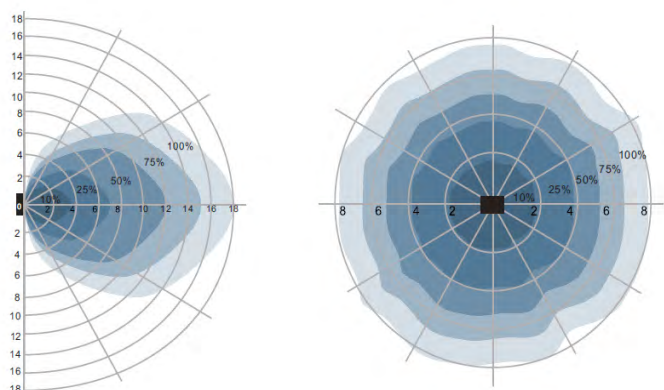


FEATURES

- INCREASED SAVINGS WITH SENSOR TECHNOLOGY
- MAINTAINED SECURITY LEVELS (PARTICULARLY FOR CAMERAS)
- SUITABLE FOR GENERAL PARKING, AISLES, RAMPS, BAYS, LIFTS, FOYERS & STAIRWELLS
- CUSTOMISABLE SENSOR SETTINGS TO SUIT APPLICATION
- AVAILABLE FOR ANY POWER OR CCT ANDROMEDA CERAMIC LINEAR LUMINAIRE

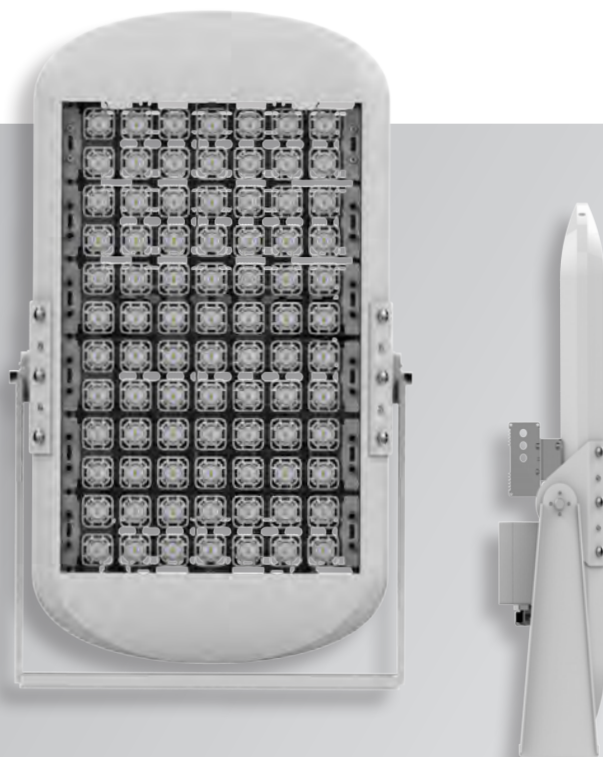
MICROWAVE MOTION SENSOR

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 15m 2.7m = 8m Diameter Radius (brock?)
DETECTION SENSITIVITY	10% / 50% / 75% / 100%
HOLD TIME	10s / 30s / 90s / 3min / 20min / 30min
DAYLIGHT SENSOR	2lux / 5lux / 10lux / 25lux / 50lux / Disable
STANDBY PERIOD	0s / 5s / 5min / 10min / 30min / 1h / + ∞
STANDBY DIMMING LEVEL	10% / 20% / 30% / 50%
MOUNTING HEIGHT	15m Max
MOTION DETECTION	0.5m~3m/s
DETECTION ANGLE	150° (Wall Installation) 360° (Ceiling Installation)
OPERATING TEMPERATURE	-50°C to 55°C



Andromeda™ C High Mast

CERAMIC LED HIGH MAST LUMINAIRE



PRODUCT INFORMATION

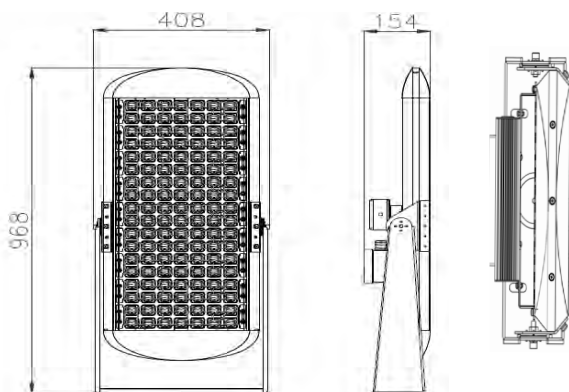
LIGHT SOURCE	Nichia High Power LED
HOUSING	6063 Aluminium (Marine Grade) Ceramic Diode Seat with Polycarbonate Pixel Rails
BRACKET MATERIAL	ST12
BRACKET TYPE	Trunnion Arm
FRAME COLOUR	Silver, White, Black
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMP	-40°C to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

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz (Standard), Varying input available from 24V DC to 480V.
DIMMABLE	Non-dimmable standard
LIFESPAN	50,000 hours to L70
POWER	140W - 410W
POWER FACTOR	0.95
BEAM ANGLE	Distribution Ranges - Refer to lens options page IESNA Type I, II, III, IV & V distribution
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.
CCT Options - ~4000K Natural White & ~3000K Warm White.

SCHEMATIC OF ANDROMEDA C HMAST 360W & 410W



TYPICAL APPLICATIONS



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	408	154	10.2kg
Andromeda-C-HMast-160	160W	19,200	800mA	516	408	154	10.9kg
Andromeda-C-HMast-180	180W	21,600	800mA	589	408	154	11.4kg
Andromeda-C-HMast-210	210W	25,200	800mA	589	408	154	11.7kg
Andromeda-C-HMast-220	220W	26,400	800mA	665	408	154	12.5kg
Andromeda-C-HMast-250	250W	30,000	800mA	743	408	154	13.0kg
Andromeda-C-HMast-280	280W	33,600	800mA	819	408	154	14.9kg
Andromeda-C-HMast-320	320W	38,400	800mA	892	408	154	16.5kg
Andromeda-C-HMast-360	360W	43,200	800mA	968	408	154	17.2kg
Andromeda-C-HMast-370	370W	44,400	800mA	892	408	154	18.0kg
Andromeda-C-HMast-410	410W	49,200	800mA	968	408	154	18.5kg
Andromeda-C-HMast-480	480W	57,600	800mA	968	408	154	18.5kg

Andromeda™ C High Mast

CERAMIC LED HIGH MAST LUMINAIRE



HIGH POWER 90-305VAC SHOCK RESISTANT RATING



PRODUCT INFORMATION

LIGHT SOURCE
HOUSING

BRACKET MATERIAL
BRACKET TYPE
FRAME COLOUR
MECHANICAL IMPACT RESISTANCE
DRIVER MOUNTING

IP RATING
OPERATING TEMP

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

DIMMABLE
LIFESPAN

POWER
POWER FACTOR
BEAM ANGLE

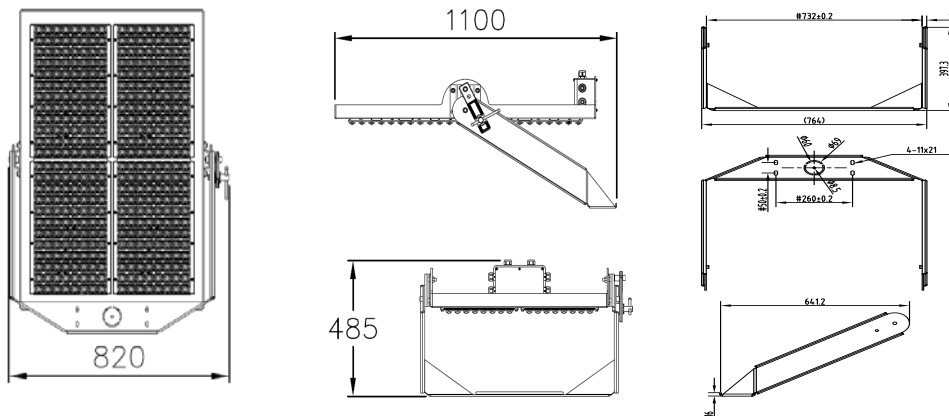
LUMINOUS EFFICACY
CCT

Nichia High Power LED
6063 Aluminium (Marine Grade)
Ceramic Diode Seat with Polycarbonate Pixel Rails
ST12
Trunnion Arm
Silver, White, Black
IK08 (Bracket & Frame Only)
4 x Drivers per Light. Remote mounted at base of pole internally. Optional external waterproof enclosure for exterior pole mounting.
IP66
-40°C to 55°C

90-305VAC, 50/60Hz (Standard), Varying input available from 24V DC to 480V.
Non-dimmable standard
50,000 hours L70 B10
1000W
0.97
Distribution Ranges - Refer to lens options page
IESNA Type I,II,III, IV & V distribution
120 lm/W
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.
CCT Options - ~4000K Natural White & ~3000K Warm White.

SCHEMATIC OF ANDROMEDA C HMAST 1000W + BRACKET



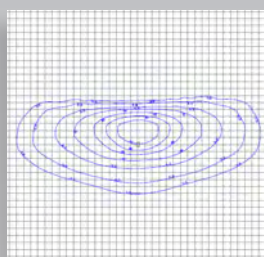
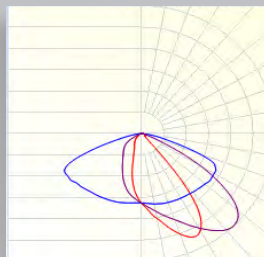
TYPICAL APPLICATIONS



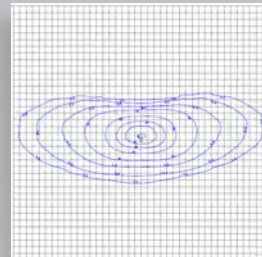
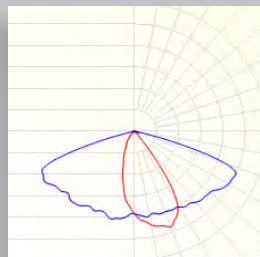
PRODUCT CODE	POWER	OUTPUT (LUMENS)	INPUT CURRENT (mA)	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
Andromeda-C-HMAst-1000	1000W	120,000	800mA	1100	820	485	45kg

STREET/PATH LIGHTING

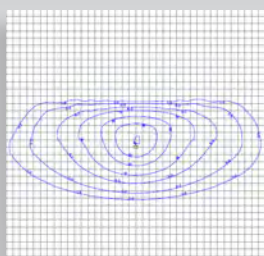
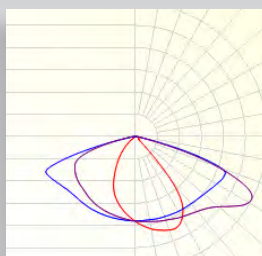
LENS KB: 145° - 48°



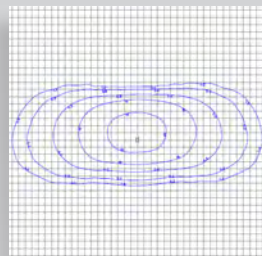
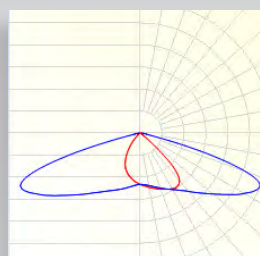
LENS K16: 150° - 50°



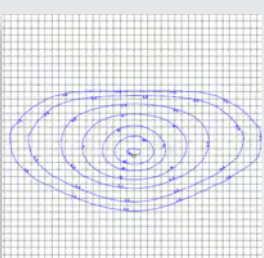
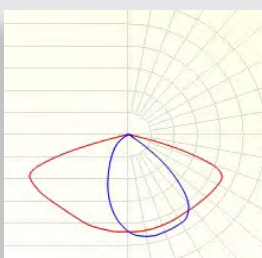
LENS K05: 150° - 60°



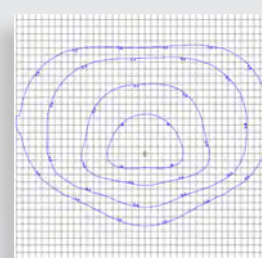
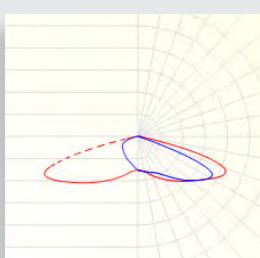
LENS K01: 148° - 91°



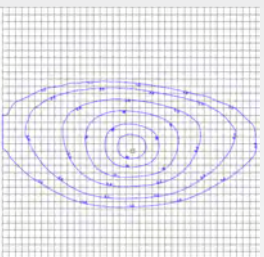
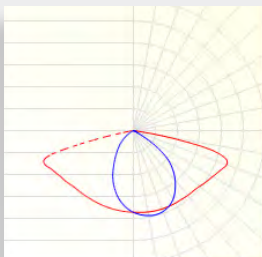
LENS K21: 147° - 70°



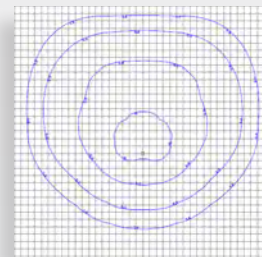
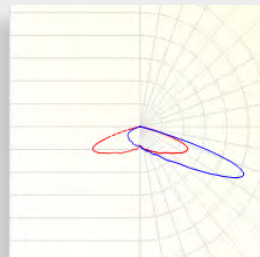
LENS K30: 148° - 68°



LENS K24: 154° - 78°



LENS K10: 147° - 23°

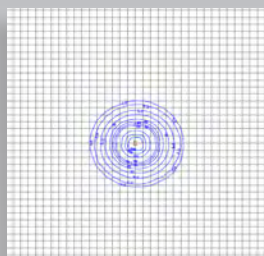
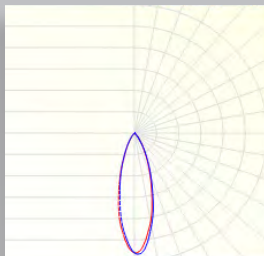


IESNA Types

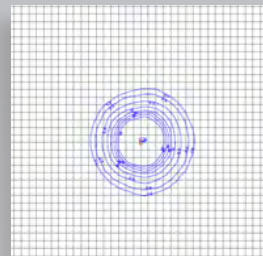
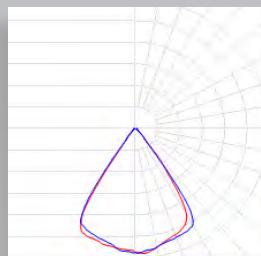
I	II	III	IV	V
KB	K01	K30	K10	K14
K05	K21			K18
K13	K24			K81
K16	TM			LE
K64				

GENERAL LIGHTING

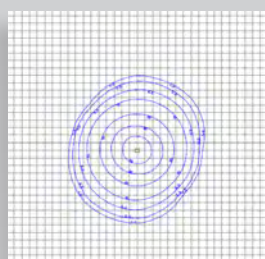
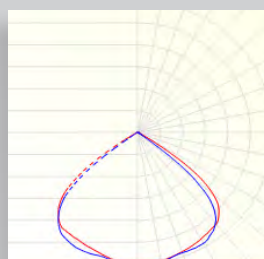
LENS K29: 30°



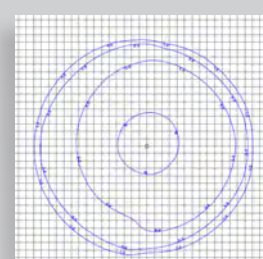
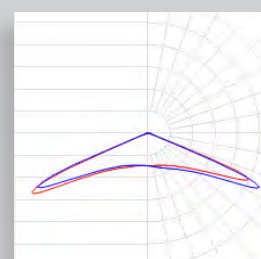
LENS LE: 61°



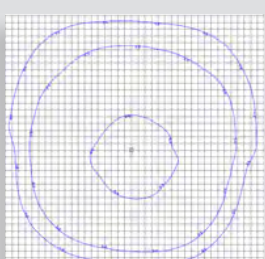
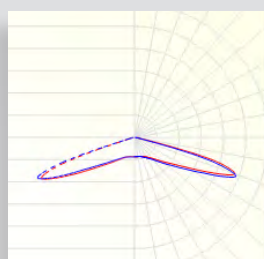
LENS K81: 102°



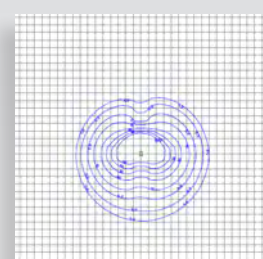
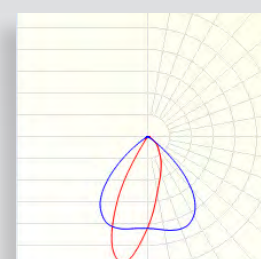
LENS K14: 132°



LENS K18: 146°

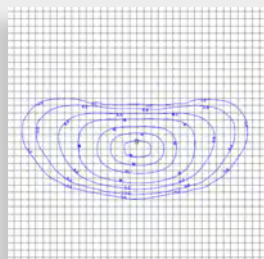
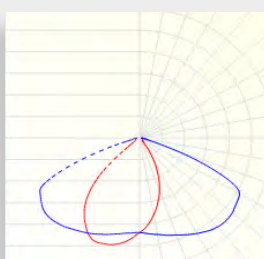


LENS K64: 92° - 28°

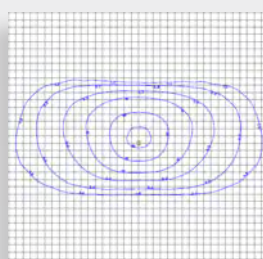
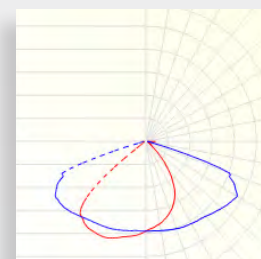


TUNNEL LIGHTING

LENS K13: 135° - 60°



LENS TM: 144° - 79°



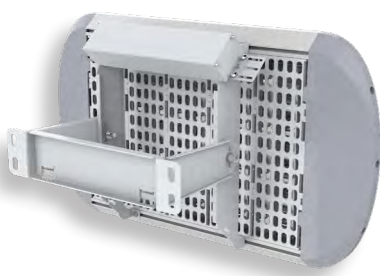
Andromeda™ C Mounting Options

CERAMIC LUMINAIRES

FLOOD

Standard (Wall Mount)

Standard adjustable wall/ceiling mount bracket on Flood. Hooks for suspension option available. Bracket material options - ST12, 304SS, 316SS.



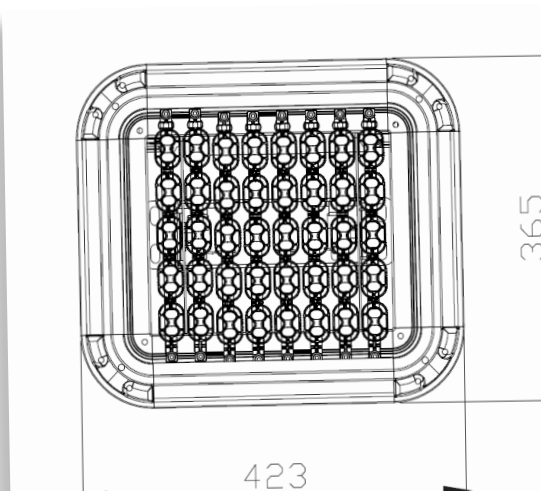
Canopy (Surface Mount)

Flat surface bracket for mounting directly to ceiling, stud or wall. Bracket material options - ST12, 304SS, 316SS.



Suspension (Hooks)

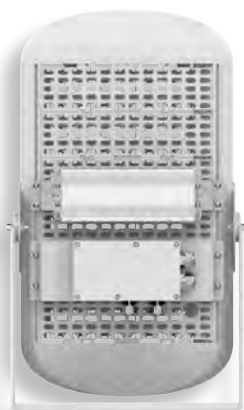
Dual ST12 hooks attached to the surface bracket for suspension mounting. Bracket material options - ST12, 304SS, 316SS.



HIGH MAST

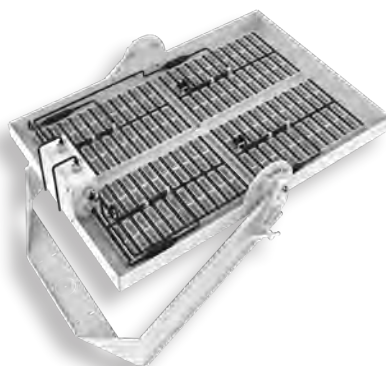
Trunnion

Heavy duty adjustable trunnion mount for High Mast luminaire. Suitable for cross beams and wall mounting. Bracket material options - ST12, 304SS & 316SS.



Forward Bracket

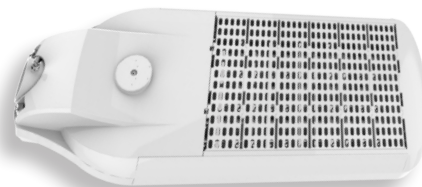
Bracket for 1000W High Mast luminaire suitable for forward throw mounting on cross beams. Bracket material options - ST12, 304SS & 316SS.



POLE MOUNT

Standard (Pole Mount)

Standard adjustable pole mount to pole diameter 60mm. Adapters available for other diameters.



SHIELD OR BLIND OPTIONS ARE AVAILABLE FOR ALL LUMINAIRES WITH ANY MOUNTING BRACKET. CONTACT EMPYREAN LIGHTING TO DISCUSS REQUIREMENTS

POLE MOUNT WALL THIN



POLE MOUNT WALL THICK



POLE MOUNT TOP



POLE MOUNT SLEEVE

Pole top range 33.7mm/ 48mm



POLE MOUNT SLEEVE

Pole top range 48mm-100mm



POLE MOUNT SLEEVE

Pole top range 100mm-150mm



POLE MOUNT DUAL



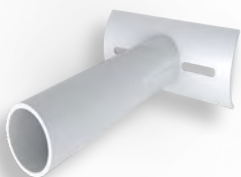
POLE MOUNT QUAD



POLE MOUNT CURVE



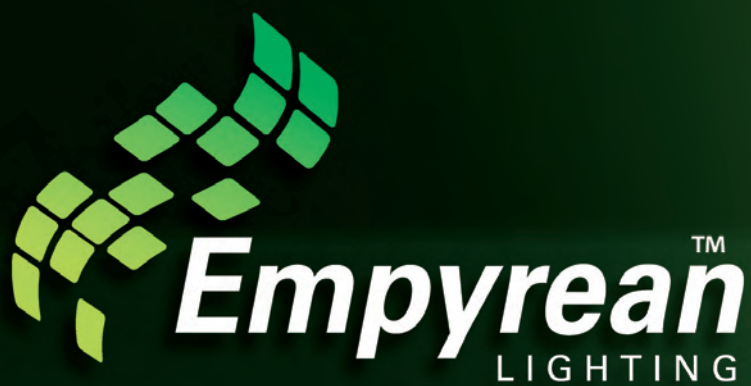
POLE CURVE EXTENDED



POLE MOUNT CORNER



FOR CUSTOM POLE MOUNTING CONTACT EMPYREAN LIGHTING



empyreanlighting.com

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