

NAVIGATOR LED HIGHBAY

Design

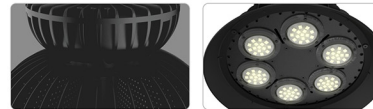
Navigator LED High bay is the perfect combination of our engineers' creative ideas in optics, heat, electrics and aesthetics. With a fluid metal surface, excellent parameter. The aim of design is to endow our products more practical value and extrinsic reflection. The characteristics of simplicity, stability, modernity and vitality are efficiently integrated in our product.

Luminous Efficiency

The luminous efficiency of Navigator is up to 150lm/w, Through our prediction to the development of market, we regards in high luminous efficiency as high light in the characters. "We are not producing luminaires but providing proper light".

Application and Expansibility

Navigator Series is with full series of shields. Aluminum reflector and PC shield provide two different kinds of options for customers. Aluminum reflector restrict the beam angle to 45, 70 and 90degree for wide application. Also we put dimming and remote control enhancing the functions.



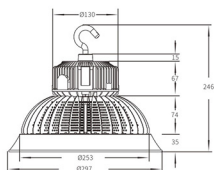
Navigator | LED Highbay Series

Meanwell Driver + LG5050 Chip

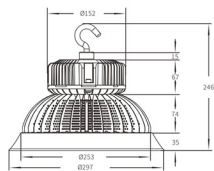
WARRANTY
5 YEARS | **IP65** | **160LM/W**



Item Code	Voltage	Power (W)	Lumen Efficiency (±10%)	CRI	Power Factor	Beam Angle	IP	Product Size (LxWxH/mm)
01HB-NG2-90W	AC90-300V	90W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ297x205
01HB-NG2-110W	AC90-300V	110W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ297x205
01HB-NG2-130W	AC90-300V	130W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ297x235
01HB-NG2-150W	AC90-300V	150W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ297x235



90W / 110W



130W / 150W



PC



45°



70/90°



Sports Lighting Net



Frosted Cover



Adjustable Ball
for Surface Mounting

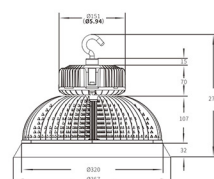
Navigator | LED Highbay Series

Meanwell Driver + LG5050 Chip

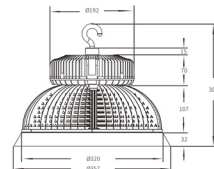
WARRANTY
5 YEARS | **IP65** | **160LM/W**



Item Code	Voltage	Power (W)	Lumen Efficiency (±10%)	CRI	Power Factor	Beam Angle	IP	Product Size (LxWxH/mm)
01HB-NG2-160W	AC90-300V	160W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ357x279
01HB-NG2-180W	AC90-300V	180W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ357x279
01HB-NG2-200W	AC90-300V	200W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ357x304
01HB-NG2-240W	AC90-300V	240W	130lm/w 150lm/w 160lm/w	75	0.9	110°	65	φ357x304



160W / 180W



200W / 240W



PC



45°



70/90°



Sports Lighting Net

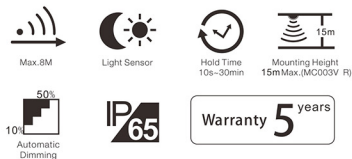


Frosted Cover



Adjustable Ball
for Surface Mounting

Navigator Series – LED HIGH BAY Microwave Sensor

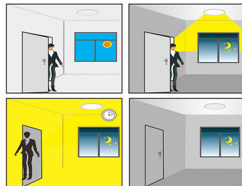


Summary

when a person moves into the sensor zone and reaches the requirements of lighting, the microwave sensor switched on automatically and the time delay system starts operating. The light is on as long as the person is in the zone. The sensor starts calculating the time-delay when the person leaves and then the time-delay is over, The sensor switches off and the light is off or turn down. Our lighting system can achieve the goal of being safe convenient, smart and energy efficient.

General Characteristics

Watts	<1W
Voltage	AC120-277V
Detection zone	Max.(DxH): 16mx8m
Detection	10%/25%/50%/75%/100%
Stand-by period	5S/5min/10min/30min/1j/Disable
Hold time	5S/30S/90S/3min/20min/30min
Daylightsensor	5lux/10lux/30lux/50lux/Disable
Dim down	10%/20%/30%/40%/50%
Mounting Height	15m Max
Motion detection	0.5-3m/s
Detection angle	150° (wall installation) 360° (ceiling installation)
Permissible Ambient Temperature	-35°C--+70°C



IP ratings

The IP rating system provides a means of classifying the degrees of protection from dust, water and impact afforded by electrical equipment and enclosures.

The system is recognised in most European countries and is set out in BS EN 60529: 1992 Degrees of protection provided by enclosures (IP code).

FIRST NUMBER Protection against solid objects		SECOND NUMBER Protection against liquids	
IP	TESTS	IP	TESTS
0	no protection	0	no protection
1	protected against solid objects over 50mm, eg. accidental touch by hands.	1	protected against vertically falling drops of water.
2	protected against solid objects over 12mm, eg. fingers.	2	protected against direct sprays of water up to 15° from the vertical.
3	protected against solid objects over 2.5mm (tools + wires).	3	protected against sprays to 60° from the vertical.
4	protected against solid objects over 1mm (tools, wires + small wires).	4	protected against water sprayed from all directions – limited ingress permitted.
5	protected against dust – limited ingress (no harmful deposit).	5	protected against low pressure jets of water from all directions – limited ingress permitted.
6	totally protected against dust.	6	protected against strong jets of water, eg. for use on shipdecks – limited ingress permitted.
		7	protected against the effects of temporary immersion between 15cm and 1m. Duration of test 30 minutes.
		8	protected against long periods of immersion under pressure.