

BR//GHT[®]
SPECIAL LIGHTING



TORTUS 5
CEILING LIGHTING | OUTDOOR

INTRODUCTION

PRODUCT FEATURES

- The heat sink is made of die-cast aluminum with powder coating.
- Good heat dispersion, light weight, and good anti-corrosion.
- Lifespan can reach up to 100000Hrs, with lumen output remain 78.24%.
- UGR is lower than 25 when the light is with lens.
- Voltage is AC100-277V.
- 100W-200Watts can replace HID of 200-600watts.
- 1-10V, DALI, microwave sensor, daylight sensor, zigbee, and etc. are optional.



TECHNICAL DETAILS

TORTUS 5 100W

Specifications

Optical Data

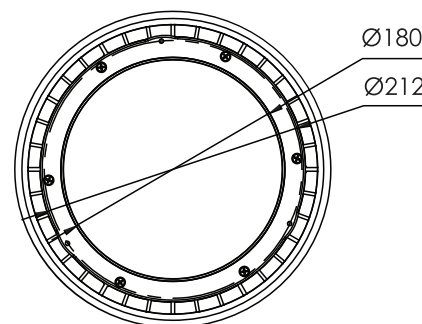
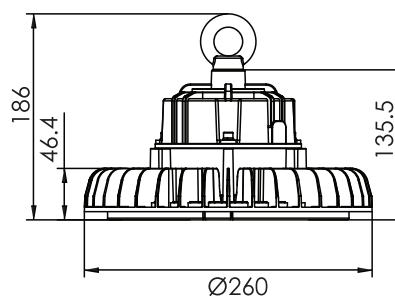
LED Type	SEOUL
LED QTY	185pcs
Efficiency	120lm/W - 140lm/W
Luminous Flux	12,000Lm - 14,000Lm
CCT	3000K - 4000K
CRI	>80Ra
Beam Angle	120° - (DALI 60° - 90° - 120°)

Electrical Data

Wattage	100W
Driver	SOSEN (0 - 10V) - LIFUD (0 - 10V) - SOSEN DALI
Input Voltage	AC100-277V
Power Frequency	50/60Hz
Power Factor	0.93
Total Harmonic Distortion	<15%

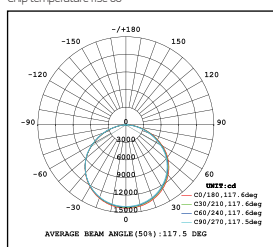
Others

IP	IP65
Lens Material	PC/Glass
Heat Radiator	die-cast aluminum
Lifetime	L70,>100000H
Operating Temperature	-30~+50 °C
Net weight	2.7±0.5KG

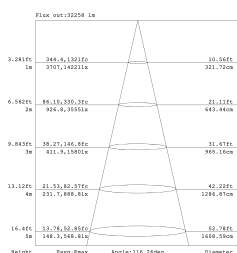


Luminaire photometric test report

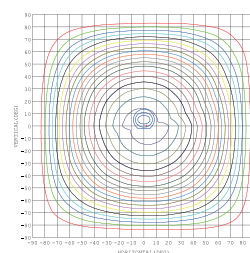
Chip temperature rise 60°



Luminous intensity distribution diagram



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



Conical surface Flux(120deg):
32900lm
%lum = 78.0%
%lamp = 78.0%

TECHNICAL DETAILS

TORTUS 5 150W

Specifications

Optical Data

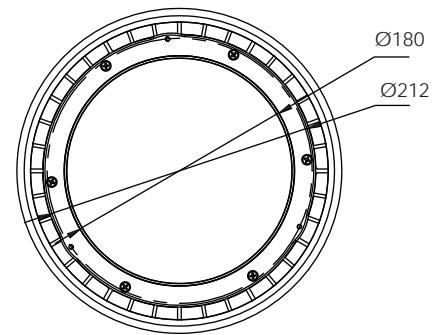
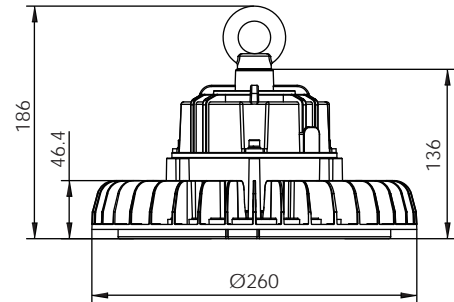
LED Type	SEOUL
LED QTY	225pcs
Efficiency	120lm/W - 140lm/W
Luminous Flux	18,000Lm - 21,000Lm
CCT	3000K - 4000K
CRI	>80Ra
Beam Angle	120° - (DALI 60° - 90° - 120°)

Electrical Data

Wattage	150W
Driver	SOSEN(0 - 10V) - LIFUD(0 - 10V) - SOSEN DALI
Input Voltage	AC100-277V
Power Frequency	50/60Hz
Power Factor	0.93
Total Harmonic Distortion	<15%

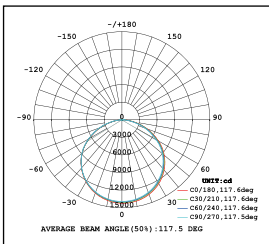
Others

IP	IP65
Lens Material	PC/Glass
Heat Radiator	die-cast aluminum
Lifetime	L70,>100000H
Operating Temperature	-30~+50 °C
Net weight	3.1±0.5KG

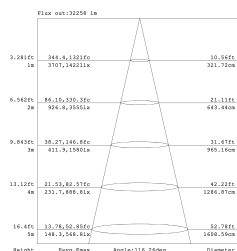


Luminaire photometric test report

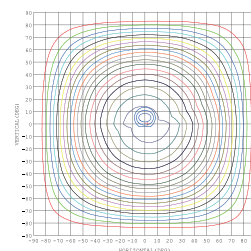
Chip temperature rise 60°



Luminous intensity distribution diagram



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



Conical surface Flux(120deg):
32900lm
%lum = 78.0%
%lamp = 78.0%

TECHNICAL DETAILS

TORTUS 5 200W

Specifications

Optical Data

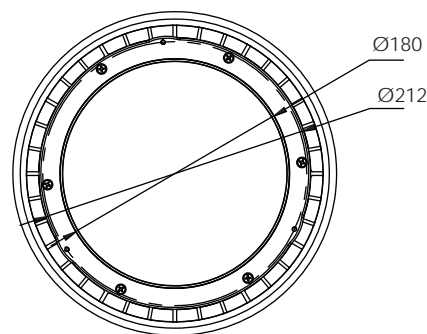
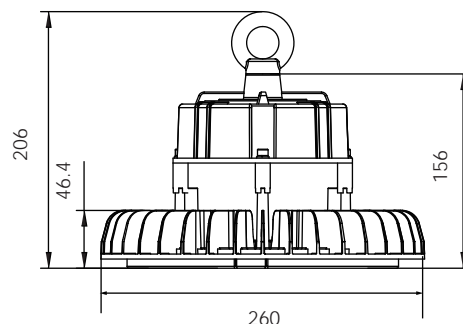
LED Type	SEOUL
LED QTY	335pcs
Efficiency	120lm/W - 140lm/W
Luminous Flux	24,000Lm - 28,000Lm
CCT	3000K - 4000K
CRI	>80Ra
Beam Angle	120° - (DALI 60° - 90° - 120°)

Electrical Data

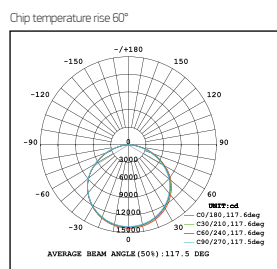
Wattage	200W
Driver	SSOSEN (0 - 10V) - LIFUD (0 - 10V) - SOSEN DALI
Input Voltage	AC100-277V
Power Frequency	50/60Hz
Power Factor	0.93
Total Harmonic Distortion	<15%

Others

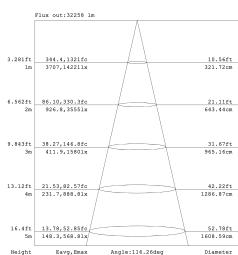
IP	IP65
Lens Material	PC/Glass
Heat Radiator	die-cast aluminum
Lifetime	L70,>100000H
Operating Temperature	-30~+50 °C
Net weight	3.1±0.5KG



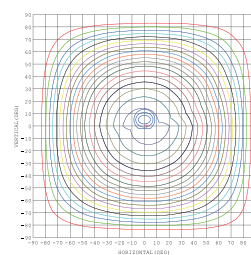
Luminaire photometric test report



Luminous intensity distribution diagram



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



Conical surface Flux (120deg):
32900lm
%lum = 78.0%
%lamp = 78.0%

TECHNICAL DETAILS

TORTUS 5 300W

Specifications

Optical Data

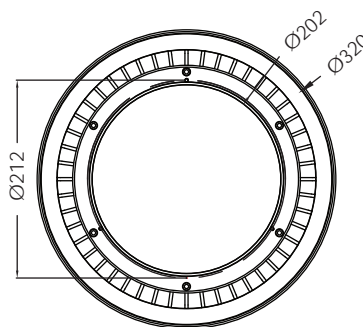
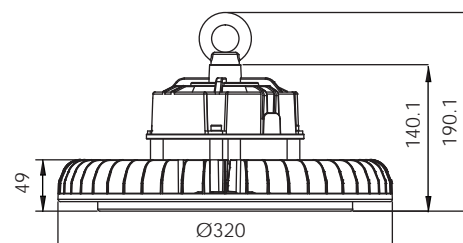
LED Type	Lumileds
LED QTY	455pcs
Efficiency	120lm/W - 140lm/W
Luminous Flux	36,000Lm - 42,000Lm
CCT	3000K - 4000K
CRI	>80Ra
Beam Angle	120° - (DALI 60° - 90° - 120°)

Electrical Data

Wattage	300W
Driver	SOSEN(0 - 10V) - LIFUD(0 - 10V) - SOSEN DALI
Input Voltage	AC100-277V
Power Frequency	50/60Hz
Power Factor	0.93
Total Harmonic Distortion	<15%

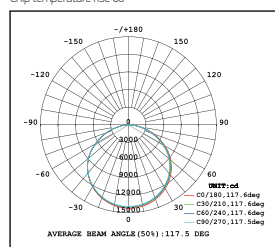
Others

IP	IP65
Lens Material	PC/Glass
Heat Radiator	die-cast aluminum
Lifetime	L70,>100000H
Operating Temperature	-30~+50 °C
Net weight	6.8±0.5KG

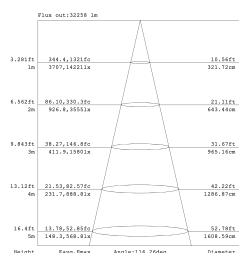


Luminaire photometric test report

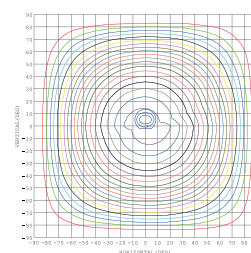
Chip temperature rise 60°



Luminous intensity distribution diagram



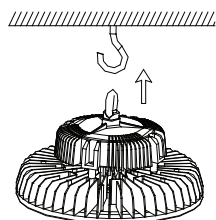
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



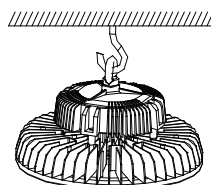
Conical surface Flux(120deg):
32900lm
%lum = 78.0%
%lamp = 78.0%

Installation(Optional)

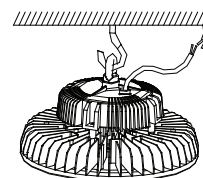
Method 1



Drilling a hole in the ceiling,install a hook.



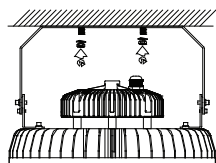
Hanging the fixture.



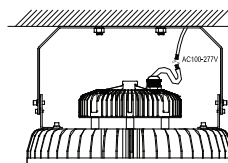
AC100-277V
All wiring finished
inside the junction
box.

Connect the cables. brown-L ,blue-N ,Yellow green-Ground take care of the waterproof processing.

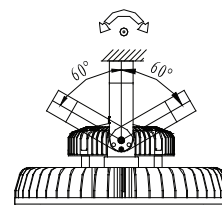
Method 2



Fix the bracket.

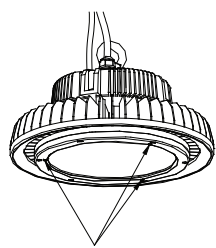


Connect the cables. brown-L ,blue-N ,Yellow green-Ground take care of the waterproof processing.

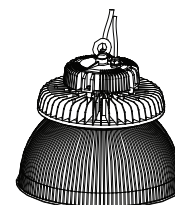
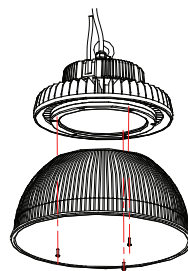


Adjust the bracket to the beam angle you need.

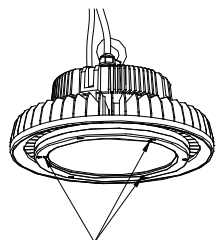
PC reflector Installation



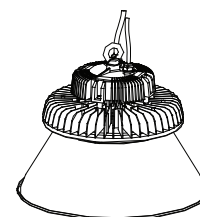
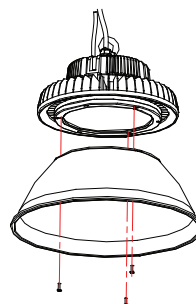
Installation Hold for PC Reflector



AL reflector Installation



Installation Hold for Aluminum Reflector



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SPECIAL LIGHTING

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