



LED Circular Highbay Light

High Efficacy up to 160 lm/W and up to 75% in energy savings available in 100W-240W configurations.

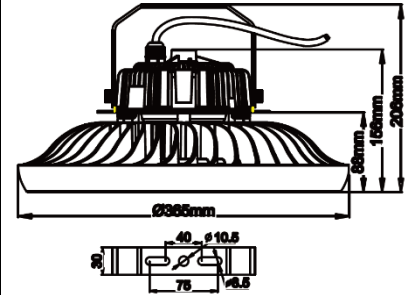
APPLICATIONS

- Parking
- Manufacturing
- Warehouse
- Commercial
- Sports Facilities
- Automotive
- Showrooms

AUTHORIZED BY:

NAME:	DATE:
-------	-------

DIMENSIONS & WEIGHT	
PRODUCT LINE	LCB-150/180
LENGTH (cm)	36.5
WIDTH (cm)	36.5
HEIGHT (cm)	20.6
NET WEIGHT (Kg)	7
PCS / CARTON	1
CARTON WEIGHT (Kg)	8.5



ORDERING INFORMATION		
CNX-LCB		
PRODUCT TYPE	COLOR TEMPERATURE	WATTAGE
CNX-LCB	40 – 4000K 45 – 4500K 50 – 5000K	150 – 150 WATTS 180 – 180 WATTS

PRODUCT SPECIFICATIONS

Construction Characteristics:

- Single die-cast aluminum housing (Black)
- Glass/Polycarbonate/Acrylic lens available
- High grade thermal paste for optimal PCB to fixture cooling
- Weight: 7 Kg
- Powder coat finish
- IP 65 – suitable for outdoor use

Optical Characteristics:

- CRI (Color Rendering Index): >70
- 110 degree optics (60 degree available upon request)

Electrical Characteristics:

- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -20 ~ +70C
- Built in 4kV protection
- Optional Surge Protection: 10kV/10kA or 20kV/20kA
- 100,000 switching cycles

PRODUCT OPTIONS		
INPUT VOLTAGE	ADDITIONAL SURGE PROTECTION	LENS COVER
P1 – 120~277 VAC P2 – 200~480 VAC	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION	GL – CLEAR GLASS PC – CLEAR POLYCARBONATE AC – CLEAR ACRYLIC
CONTROL	REFLECTOR	DRIVER FORM-FACTOR
CTR – CNX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	AL6 – 60 DEGREE ALUMINUM AL9 – 90 DEGREE ALUMINUM XXX – NO REFLECTOR	SQR – RECTANGLE DRIVER RND – ROUND DRIVER (P1 ONLY)

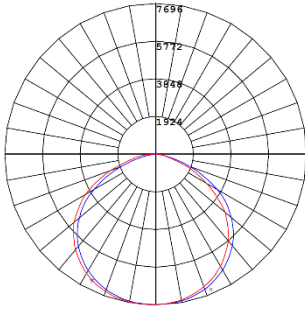
ELECTRICAL DATA			
NUMBER LEDS	SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
252 – 252 LEDS	150 WATTS	22,500 LUMENS	150 LM/W
252 – 252 LEDS	180 WATTS	27,000 LUMENS	150 LM/W

*Available in 60 degree optics upon special request

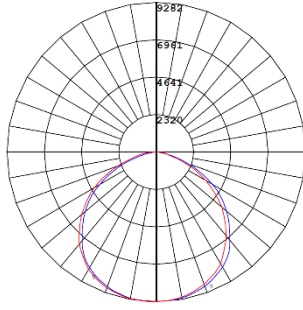
*Available in 3,000k upon special request

LINEAR CIRCULAR HIGHBAY LCB – 150/180

POLAR CANDELA CURVE	POLAR CANDELA CURVE	ILLUMINANCE AT A DISTANCE	ILLUMINANCE AT A DISTANCE
LCB – 150	LCB – 180	LCB – 150	LCB – 180



Vertical Plane Through: 0 - 90 Horizontal
Horizontal Cone Through: 4 Vertical
Maximum Candela = 7695.89 at 0 H 4 V



Vertical Plane Through: 0 - 90 Horizontal
Horizontal Cone Through: 4 Vertical
Maximum Candela = 9287.92 at 0 H 4 V

	Center Beam fc	Beam Width	
17.0ft	26.6 fc	55.1 ft	56.4 ft
34.0ft	6.65 fc	110.2 ft	112.8 ft
51.0ft	2.96 fc	165.3 ft	169.2 ft
68.0ft	1.66 fc	220.4 ft	225.6 ft
85.0ft	1.06 fc	275.5 ft	282.0 ft
102.0ft	0.74 fc	330.7 ft	338.4 ft

■ Vert. Spread: 116.7°
■ Horiz. Spread: 117.8°

	Center Beam fc	Beam Width	
17.0ft	32.1 fc	51.2 ft	52.4 ft
34.0ft	8.02 fc	102.4 ft	104.8 ft
51.0ft	3.57 fc	153.7 ft	157.2 ft
68.0ft	2.01 fc	204.9 ft	209.7 ft
85.0ft	1.28 fc	256.1 ft	262.1 ft
102.0ft	0.89 fc	307.3 ft	314.5 ft

■ Vert. Spread: 112.8°
■ Horiz. Spread: 114.1°

MOUNTING OPTIONS

	Round Driver Mounting (only available for P1 configurations)	
	Rectangle Driver Mounting	

REFLECTOR OPTIONS

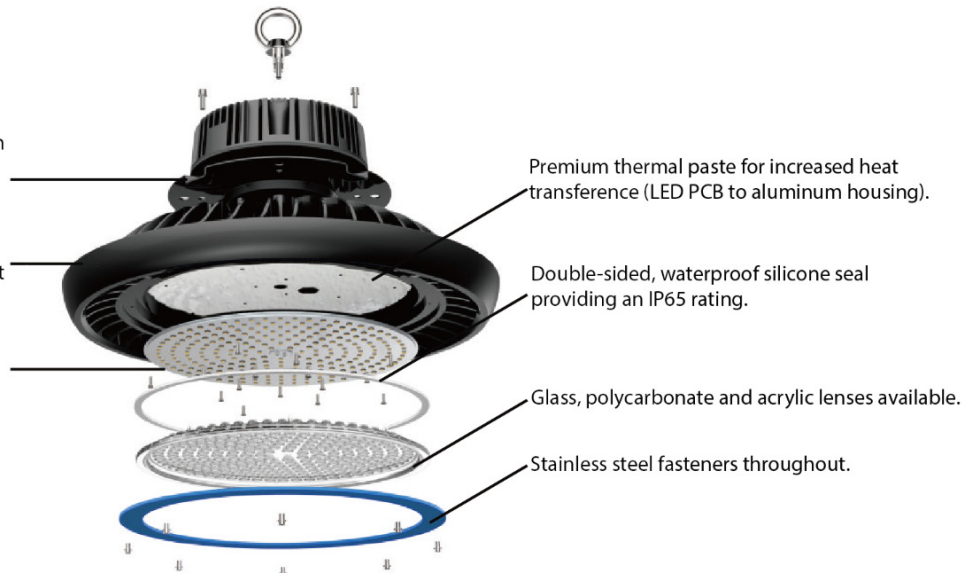
	Aluminum Reflector (60 and 90 degree configurations)
--	--

Exploded Drawing

Thermal insulated plate separates the driver from the die-cast fixture, reducing heat transfer to the driver - providing a longer lifespan.

Single die-cast aluminum housing, providing effective thermal dissipation. Epoxy powder coat finish.

Ultra-efficient LEDs delivering up to 160lm/W.



Premium thermal paste for increased heat transference (LED PCB to aluminum housing).

Double-sided, waterproof silicone seal providing an IP65 rating.

Glass, polycarbonate and acrylic lenses available.

Stainless steel fasteners throughout.