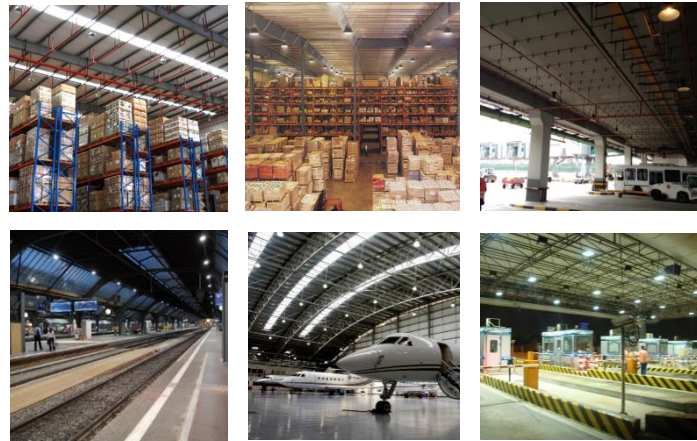




DELTA LED HIGH BAY LIGHT



Easy Interchangeable System

Our patent "Plug and Use" Removable Power Supply design makes maintenance simple and easy. It only takes 5 minutes to replace a driver unit without hiring any certified electrician. Greatly reduce maintenance cost and truly enhance the lifetime of the light at minimal cost.



Corrosion Resistant

By adopting dedicated processing treatments on the heat sink and other parts, these luminaires have excellent anti-corrosion and UV-resistance.

IP65

Robust, Protective Design

A robust, protective design gives these luminaires an IP of 65 and the ability to handle harsh environments.



Optimal Optical Design

The unique and scientific combination design of lens and diffuser used gives good quality and quantity of light, where you need it. With options of beam angles to choose from, these luminaires are ideal for a number of applications.



Quality Core Component

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality COB packages from CITILED – chipsets that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines on the outside.



Complies with Multinational Certifications

Approved by authorized national laboratories for UL (USA and Canada), CE (Europe), C-Tick and SAA (Australia)

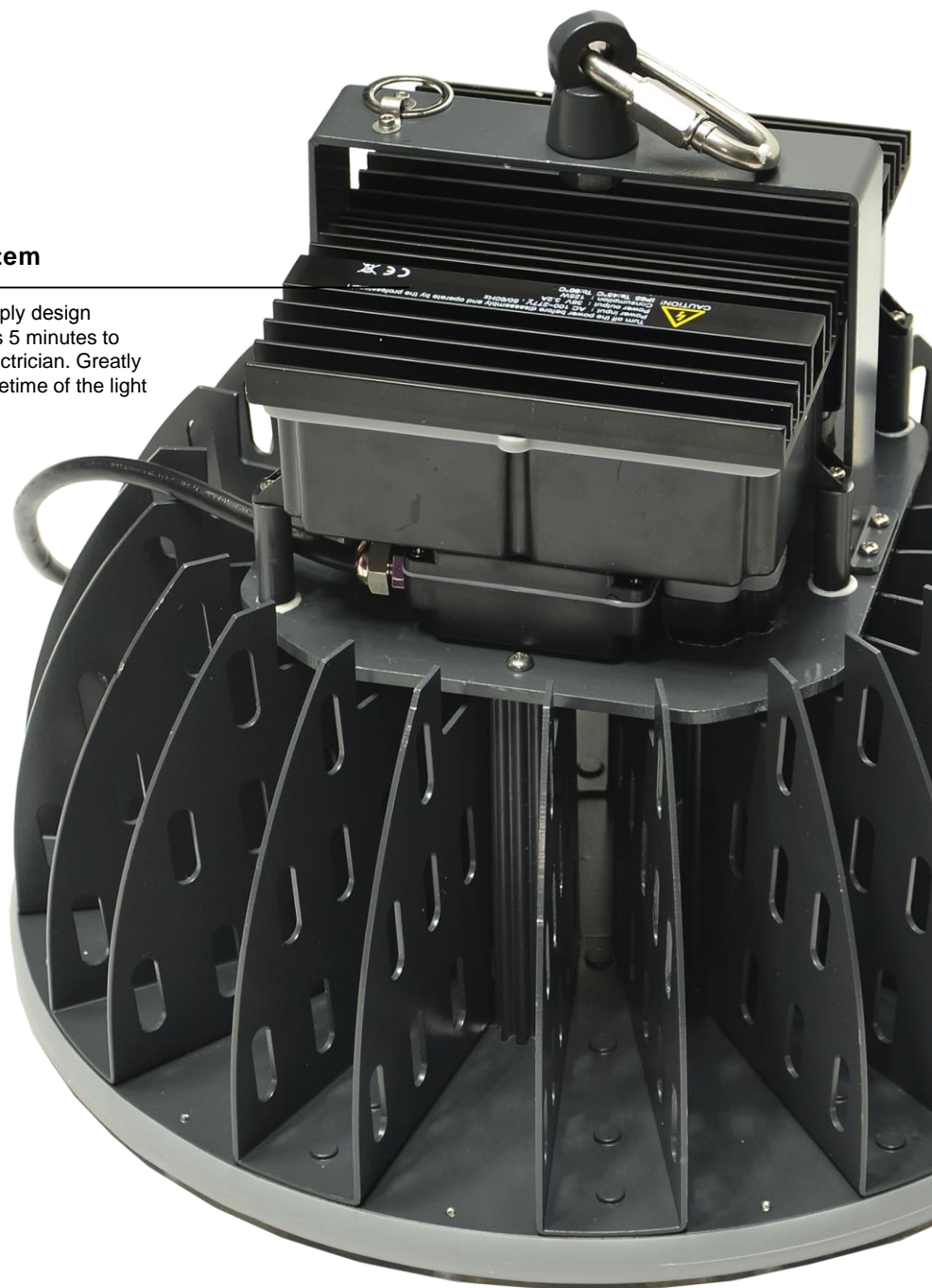
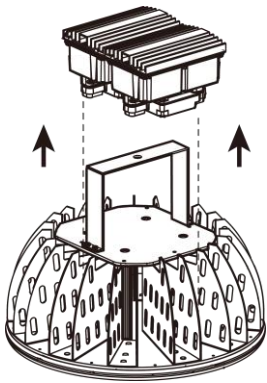


SONARAY®

DELTA LED HIGH BAY LIGHT

EIS Easy Interchangeable System

Our patent "Plug and Use" Removable Power Supply design makes maintenance simple and easy. It only takes 5 minutes to replace a driver unit without hiring any certified electrician. Greatly reduce maintenance cost and truly enhance the lifetime of the light at minimal cost.

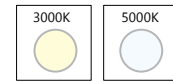




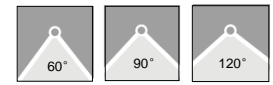
Specifications

Material: Aluminum
 Optical Accessories: Lamp shade + diffuser
 Housing Color: Light Grey
 Driver: Built-in
 Input Voltage: 100-277V ~ 50/60Hz
 Power Factor: ≥ 0.9
 Operating Temperature: $-25^{\circ}\text{C} \sim +45^{\circ}\text{C}$, $-13^{\circ}\text{F} \sim +113^{\circ}\text{F}$
 Lifetime: $\geq 50,000$ hrs

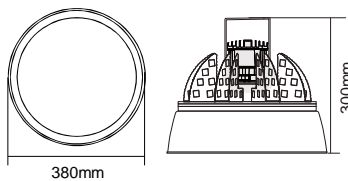
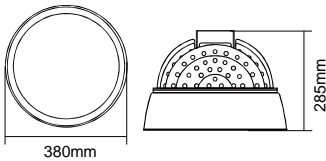
Color Temperature



Beam Angle



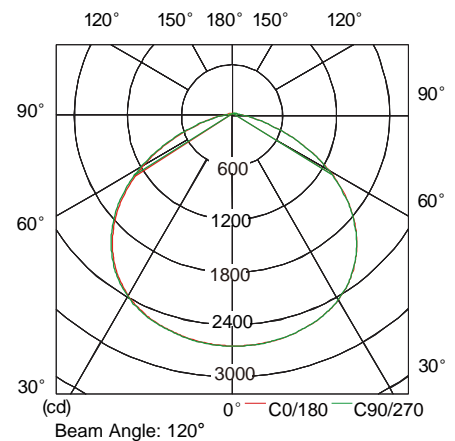
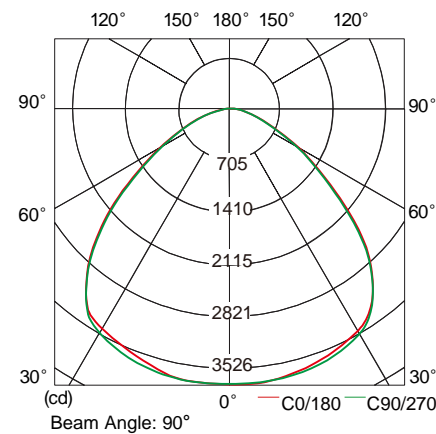
IP65



Model No.	Type	Power (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Color Temperature (K)	CRI (Ra)	Beam Angle (°)	Driver	Weight (kg/lb)
HB-3100	I	100	8800	88	5000	≥ 80	90	Standard	4.6/10.14
HB-3100	I	100	7700	77	5000	≥ 80	120	Standard	4.6/10.14
HB-3100A	I	100	8800	88	5000	≥ 80	90	With EIS [®]	5.43/11.97
HB-3100A	I	100	7700	77	5000	≥ 80	120	With EIS [®]	5.43/11.97

*Note: EIS[®] Easy Interchangeable System

Light Distribution Curve



Illuminance Distribution

Beam Angle: 90° 5000K		
1	3527	255
2	882	510
3	392	764
4	220	1019
5	141	1274
6	98	1529
7	72	1783
8	55	2038
9	44	2293
10	35	2548
11	29	2802
12	25	3057
13	21	3312
14	18	3567
15	16	3821
H(m)	E(lx)	D(cm)

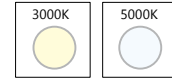
Beam Angle: 120° 5000K		
1	2574	318
2	644	637
3	286	955
4	161	1274
5	103	1592
6	72	1910
7	53	2229
8	40	2547
9	32	2866
10	26	3184
11	21	3502
12	18	3821
13	15	4139
14	13	4457
15	11	4776
H(m)	E(lx)	D(cm)



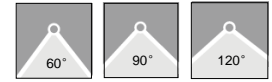
Specifications

Material: Aluminum
 Optical Accessories: Lens
 Driver: Built-in
 Input Voltage: 100-277V ~ 50/60Hz
 Power Factor: ≥ 0.9
 Operating Temperature: -25°C~+45°C, -13°F~+113°F
 Lifetime: ≥ 50,000hrs

Color Temperature



Beam Angle

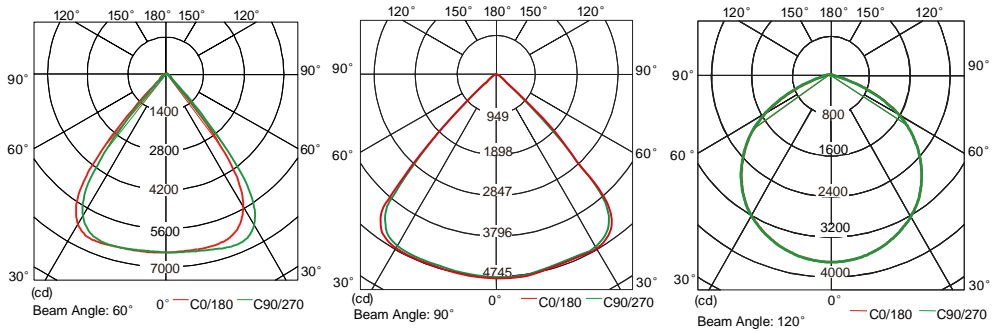


IP65

Model No.	Type	Power (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Color Temperature (K)	CRI (Ra)	Beam Angle (°)	Driver	Weight (kg/lb)
HB-3100	II	100	9200	92	5000	≥80	60	Standard	4.8/ 10.58
HB-3100	II	100	8600	86	5000	≥80	90	Standard	4.8/ 10.58
HB-3100	II	100	9800	98	5000	≥80	120	Standard	4.8/ 10.58
HB-3100A	II	100	9200	92	5000	≥80	60	With EIS [®]	5/ 11.02
HB-3100A	II	100	8600	86	5000	≥80	90	With EIS [®]	5/ 11.02
HB-3100A	II	100	9800	98	5000	≥80	120	With EIS [®]	5/ 11.02

*Note: EIS[®] Easy Interchangeable System

Light Distribution Curve



Illuminance Distribution

Beam Angle: 60°
5000K

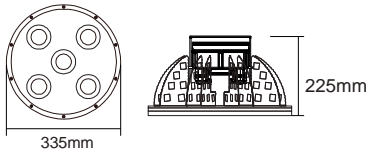
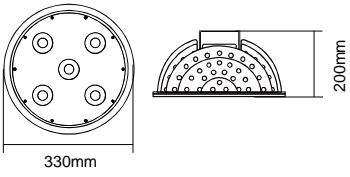
H(m)	E(lx)	D(cm)
1	6453	158
2	1613	316
3	717	473
4	403	631
5	258	789
6	179	947
7	132	1104
8	101	1262
9	80	1420
10	65	1578
11	53	1735
12	45	1893
13	38	2051
14	33	2209
15	29	2367

Beam Angle: 90°
5000K

H(m)	E(lx)	D(cm)
1	5878	202
2	1469	404
3	653	605
4	367	807
5	235	1009
6	163	1211
7	120	1412
8	92	1614
9	73	1816
10	59	2018
11	49	2219
12	41	2421
13	35	2623
14	30	2825
15	26	3026

Beam Angle: 120°
5000K

H(m)	E(lx)	D(cm)
1	3587	297
2	897	594
3	399	891
4	224	1187
5	144	1484
6	100	1781
7	73	2078
8	56	2375
9	44	2672
10	36	2968
11	30	3265
12	25	3562
13	21	3859
14	18	4156
15	16	4453

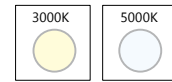




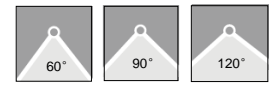
Specifications

Material: Aluminum
 Optical Accessories: Lamp shade + Lens
 Driver: Built-in
 Input Voltage: 100-277V ~ 50/60Hz
 Power Factor: ≥ 0.9
 Operating Temperature: $-25^{\circ}\text{C} \sim +45^{\circ}\text{C}$, $-13^{\circ}\text{F} \sim +113^{\circ}\text{F}$
 Lifetime: $\geq 50,000$ hrs

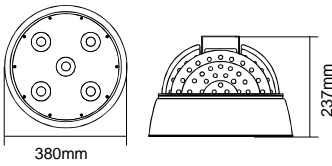
Color Temperature



Beam Angle

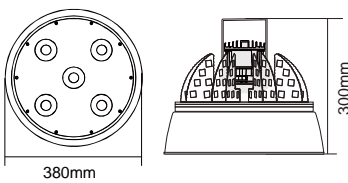


IP65

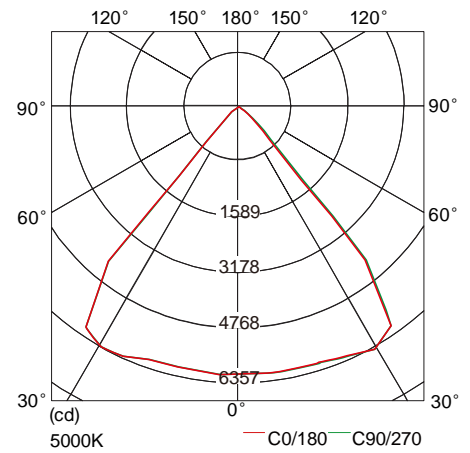
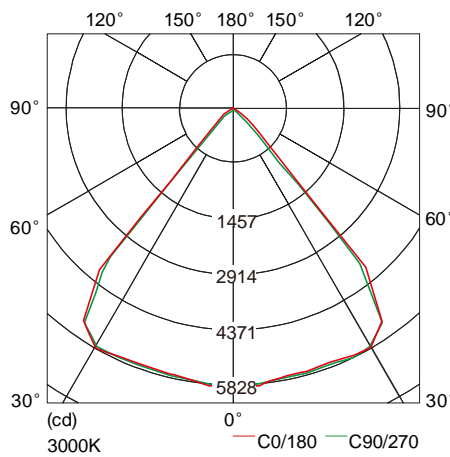


Model No.	Type	Power (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Color Temperature (K)	CRI (Ra)	Beam Angle (°)	Driver	Weight (kg/lb)
HB-3100	III	100	9000	90	3000	≥ 80	90	Standard	5.22/ 11.51
HB-3100	III	100	10100	101	5000	≥ 80	90	Standard	5.22/ 11.51
HB-3100A	III	100	9000	90	3000	≥ 80	90	With EIS[®]	5.22/ 11.51
HB-3100A	III	100	10100	101	5000	≥ 80	90	With EIS[®]	5.22/ 11.51

*Note: **EIS[®]** Easy Interchangeable System



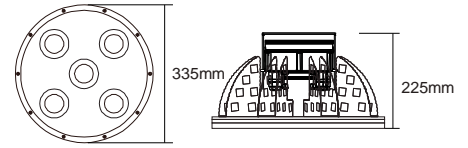
Light Distribution Curve



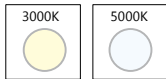


Specifications

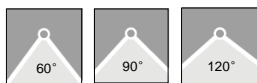
Material: Aluminum
 Optical Accessories: Lamp shade + Lens
 Driver: Built-in
 Input Voltage: 100-277V ~ 50/60Hz
 Power Factor: ≥ 0.9
 Operating Temperature: -25°C~+45°C, -13°F~+113°F
 Lifetime: ≥ 50,000hrs



Color Temperature



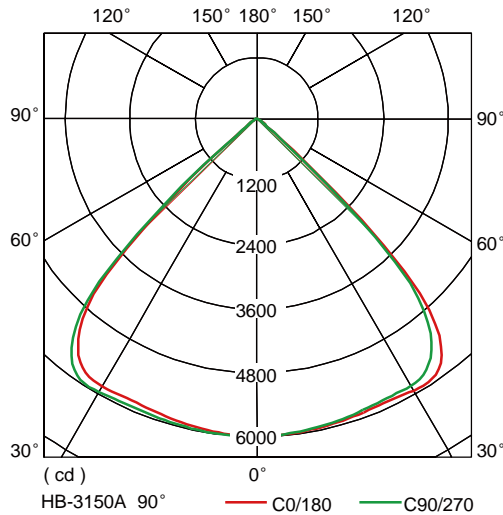
Beam Angle



Model No.	Power (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Color Temperature (K)	CRI (Ra)	Beam Angle (°)	Driver	Weight (kg/lb)
HB-3150	150	12900	86	5000	≥80	90	Standard	5/11.02
HB-3150A	150	11700	78	5000	≥80	90	With <i>EIS</i> [®]	5/11.02

*Note: *EIS*[®] Easy Interchangeable System

Light Distribution Curve



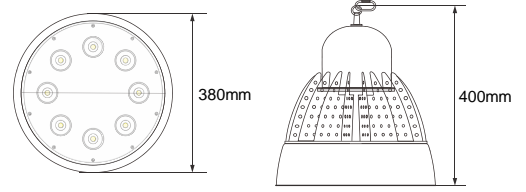
Illuminance Distribution

H(m)	E(lx)	D(cm)
1	5990	205
2	1497	409
3	666	614
4	374	819
5	240	1024
6	166	1228
7	122	1433
8	94	1638
9	74	1843
10	60	2047
11	50	2252
12	42	2457
13	35	2662
14	30	2866
15	27	3071



Specifications

Material: Aluminum
 Optical Accessories: Lamp shade + diffuser
 Housing Color: Light Grey
 Driver: Built-in
 Input Voltage: 100-277V ~ 50/60Hz
 Power Factor: ≥ 0.9
 Operating Temperature: -25°C~+45°C, -13°F~+113°F
 Lifetime: ≥ 50,000hrs

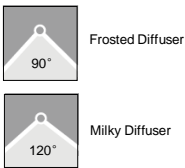


Model No.	Power (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Color Temperature (K)	CRI (Ra)	Beam Angle (°)	Weight (kg/lb)
HB-3180	180	17100	95	5000	≥80	90	6/13.23
HB-3180	180	15840	88	5000	≥80	120	6/13.23

Color Temperature



Beam Angle



Other optional:

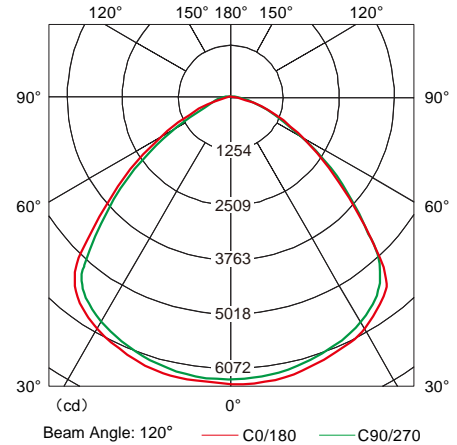
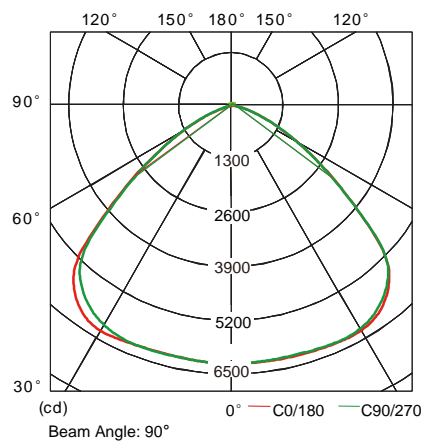


Lens
 Weight: 6.37kg/14.04lb
 Dimension: 330×320mm

Beam Angle



Light Distribution Curve



Illuminance Distribution

H(m)	E(lx)	D(cm)
1	6090	268
2	1522	536
3	677	803
4	381	1071
5	244	1339
6	169	1607
7	124	1874
8	95	2142
9	75	2410
10	61	2678
11	50	2945
12	42	3213
13	36	3481
14	31	3748
15	27	4016

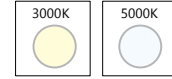
H(m)	E(lx)	D(cm)
1	6272	243
2	1568	485
3	697	728
4	392	971
5	251	1214
6	174	1456
7	128	1699
8	98	1942
9	77	2185
10	63	2427
11	52	2670
12	44	2913
13	37	3156
14	32	3398
15	28	3641



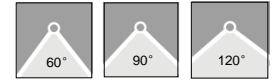
Specifications

Material: Aluminum
 Housing Color: Light Grey
 Driver: Built-in
 Input Voltage: 100-277V ~ 50/60Hz
 Power Factor: ≥ 0.9
 Operating Temperature: -25°C~+45°C, -13°F~+113°F
 Lifetime: ≥ 50,000hrs

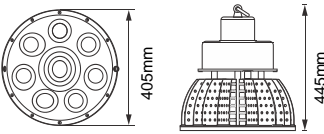
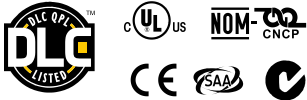
Color Temperature



Beam Angle

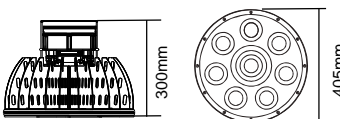


IP65 IK09

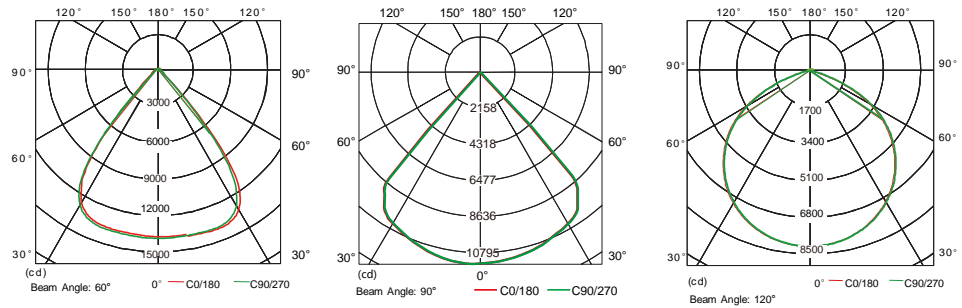


Model No.	Power (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Color Temperature (K)	CRI (Ra)	Beam Angle (°)	Driver	Weight (kg/lb)
HB-3250	250	21250	85	5000	≥80	60	Standard	9.5/20.94
HB-3250	250	22250	89	5000	≥80	90	Standard	9.5/20.94
HB-3250	250	23000	92	5000	≥80	120	Standard	9.5/20.94
HB-3250A	250	21250	85	5000	≥80	60	With EIS [®]	9.7/21.38
HB-3250A	250	22250	89	5000	≥80	90	With EIS [®]	9.7/21.38
HB-3250A	250	23000	92	5000	≥80	120	With EIS [®]	9.7/21.38

*Note: EIS[®] Easy Interchangeable System



Light Distribution Curve



Illuminance Distribution

Beam Angle: 60° 5000K		
1	13970	162
2	3492	324
3	1552	486
4	873	649
5	559	811
6	388	973
7	285	1135
8	218	1297
9	173	1459
10	140	1621
11	116	1784
12	97	1946
13	83	2108
14	71	2270
15	62	2432
H(m)	E(lx)	D(cm)

Beam Angle: 90° 5000K		
1	10767	217
2	2692	433
3	1196	650
4	673	867
5	431	1083
6	299	1230
7	220	1517
8	168	1733
9	133	1950
10	108	2166
11	89	2383
12	75	2600
13	64	2816
14	55	3033
15	48	3250
H(m)	E(lx)	D(cm)

Beam Angle: 120° 5000K		
1	8129	300
2	2032	601
3	903	901
4	508	1201
5	325	1502
6	226	1802
7	166	2102
8	127	2403
9	100	2703
10	81	3003
11	67	3304
12	56	3604
13	48	3904
14	41	4205
15	36	4505
H(m)	E(lx)	D(cm)

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Version 1.5. Edited 2015.06

