

SPECIFICATION SHEET

SUBJECT

BLACKSTAR CIR. LED HIGH BAY

CUSTOMER PROJECT

Project: _____

Type: _____

Cat. No.: _____

Qty: _____

Date: _____

EEL Rep: _____

EELighting

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Telephone: 905 415 8878 Fax Number: 905 415 8872 Toll Free Telephone: 855 415 8878 Toll Free Fax: 855 415 8872

DESCRIPTION

The BLACKSTAR Circular LED High Bay luminaires have a similar look and feel of the traditional high bay luminaires. They are suitable for wet locations and ideal for large indoor spaces, such as warehouses, industrial buildings, churches, gymnasiums, swimming pools and shopping malls.

SPECIFICATION FEATURES

Construction

Cold forged, anti-corrosive high purity aluminium housing provides excellent thermal transfer to extend component life
10 ft cable included

Electrical

Circular LED High Bay has a High Performance Long Life LED System complete with electrical drivers for optimal performance
Premium LED chips available in 5000K and 4000K, with a typical CRI: >70
150LPW
High Efficacy 0-10V Dimmable Driver
Ambient temperature -40°C to 50°C
Electronic Drivers are available in 120-277 / 180-528 Volt
Protected against surges and transients per ANSI C62.41-2002 category C low (6KV, 1.2/50µS & 3KA, 8/20µS) standard Combo waves and (6KV, 100KHz) Ring wave
L70 > 420,000h
L36000 = 95.6%

Mounting

Suspension mount and yoke mount
(fixture can be mounted as close as possible to the ceiling surface, except for direct contact)

Finish

Black finish

Beam Angle

Standard 120°
Optional 70° with PC Reflector
90° with Aluminum Reflector

Compliance

IP65, cULus, DLC

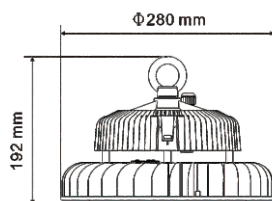
Warranty

5 years

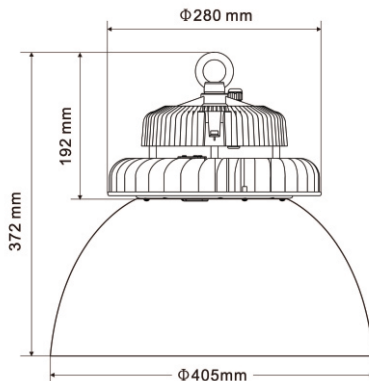


**CIRCULAR
LED HIGH BAY**

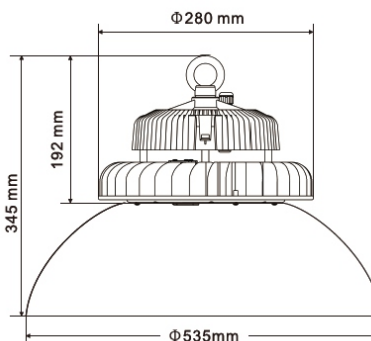
BLACKSTAR
circular high bay



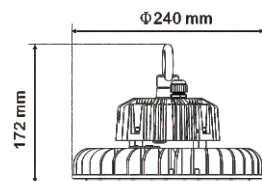
CHB-250LED / CHB-150LED
Dimensions
mm | 280(Ø) x 192(H)
inch | 11(Ø) x 7.6(H)



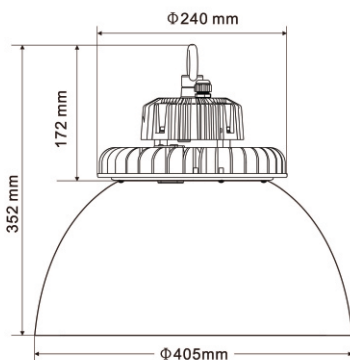
CHB-250LED / CHB-150LED
with 70° PC reflector
Dimensions
mm | 405(Ø) x 372(H)
inch | 15.9(Ø) x 14.6(H)



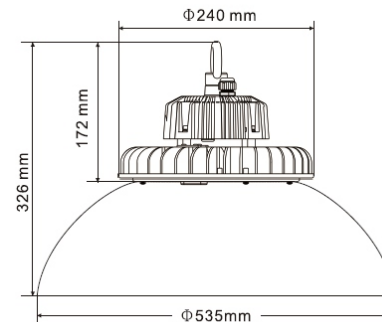
CHB-250LED / CHB-150LED
with 90° Aluminum reflector
Dimensions
mm | 535(Ø) x 345(H)
inch | 21(Ø) x 13.6(H)



CHB-100LED
Dimensions
mm | 240(Ø) x 172(H)
inch | 9.5(Ø) x 6.8(H)



CHB-100LED with 70° PC reflector
Dimensions
mm | 405(Ø) x 352(H)
inch | 15.9(Ø) x 13.9(H)



CHB-100LED with 90° Aluminum reflector
Dimensions
mm | 535(Ø) x 326(H)
inch | 21(Ø) x 12.8(H)



www.eelighting.ca

EELSS19W02

ORDERING CODE, ENERGY AND PERFORMANCE DATA

	Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (lm/W)	Certification	Type
	CHB-250LED50K	35216	240	120-277 or 180-528	5000K	147	 	Standard
	CHB-250LED40K	35013	240	120-277 or 180-528	4000K	147	 	Standard
	CHB-150LED50K	21927	151	120-277 or 180-528	5000K	145	 	Standard
	CHB-150LED40K	21782	151	120-277 or 180-528	4000K	144	 	Standard
	CHB-100LED50K	15131	101	120-277 or 180-528	5000K	150	 	Standard
	CHB-100LED40K	14863	100	120-277 or 180-528	4000K	148	 	Standard

NOTE:

- Lumens are estimated
- Lumens may vary based on lens option
- DLC qualified may not apply to all versions within a model. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

OPTIONAL ACCESSORIES

CHB-PCR | 70° PC Reflector for CHB
 CHB-ALUR | 90° Aluminum Reflector for CHB
 CHB-ALUR (V2) | 90° Aluminum Reflector for CHB (Version 2)
 CHB-FROSTEDLENS | Frosted lens for CHB
 CHB-WG | Wireguard for CHB
 CHB-CBC | Clear Bottom Cap for PC Reflector
 CHB-PMAM12 | Piping Mount Adaptor for CHB 150W & 250W
 CHB-PMAM10 | Piping Mount Adaptor for CHB 100W
 CHB-CABLE CONNECTOR | Cable Connector for CHB
 CHB-MOUNT BRACKET KIT (L) | Mount Bracket Kit for CHB 150W & 250W (Large)
 CHB-MOUNT BRACKET KIT (S) | Mount Bracket Kit for CHB 100W (Small)
 MC054V & MS347 | IP65 Microwave Motion Sensor 120-277V & Motion Sensor Device
 ULT-HC419S & CHBSBC | On-Off Sensor Control 120-277V & Sensor Bracket Cover
 ULT-HC419V & CHBSBC | Tri-level Dimming Control 120-277V & Sensor Bracket Cover
 WATERPROOF5HJBOX | Waterproof Junction Box with Bracket for Wiring (5 Holes)



CHB-PCR | 70° PC Reflector for CHB



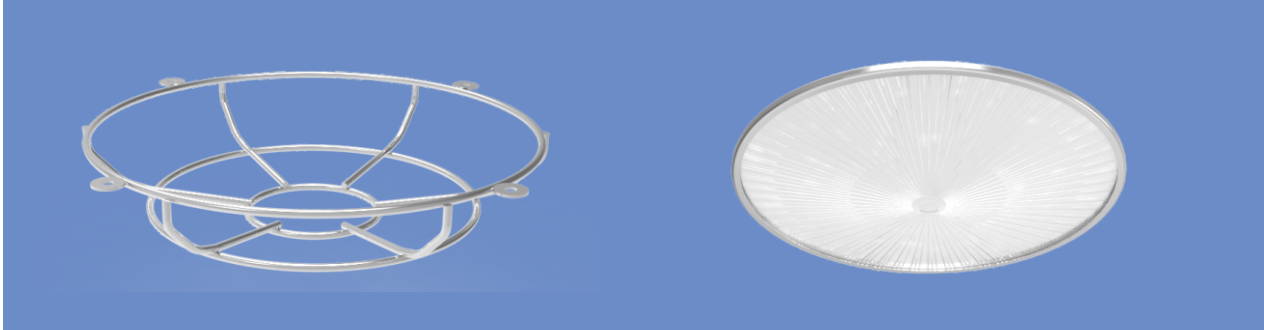
CHB-ALUR | 90° Aluminum Reflector for CHB



CHB-ALUR (V2) | 90° Aluminum Reflector for CHB (Version 2)

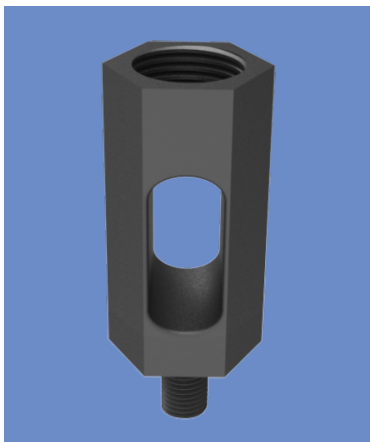
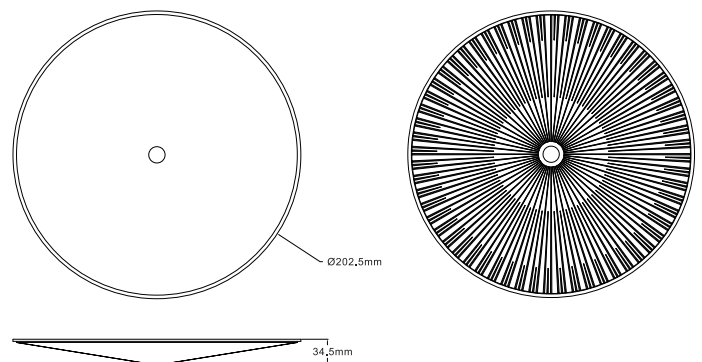
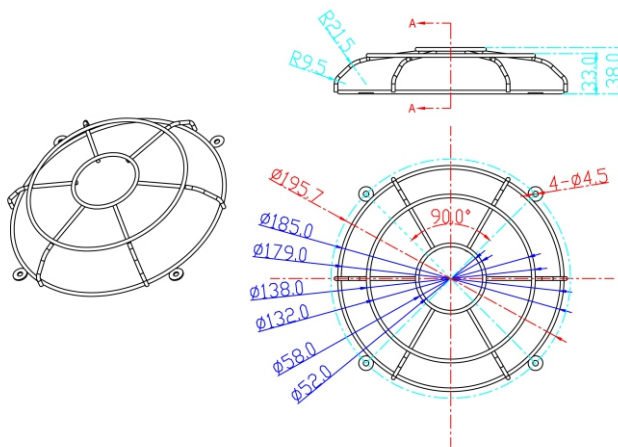


OPTIONAL ACCESSORIES

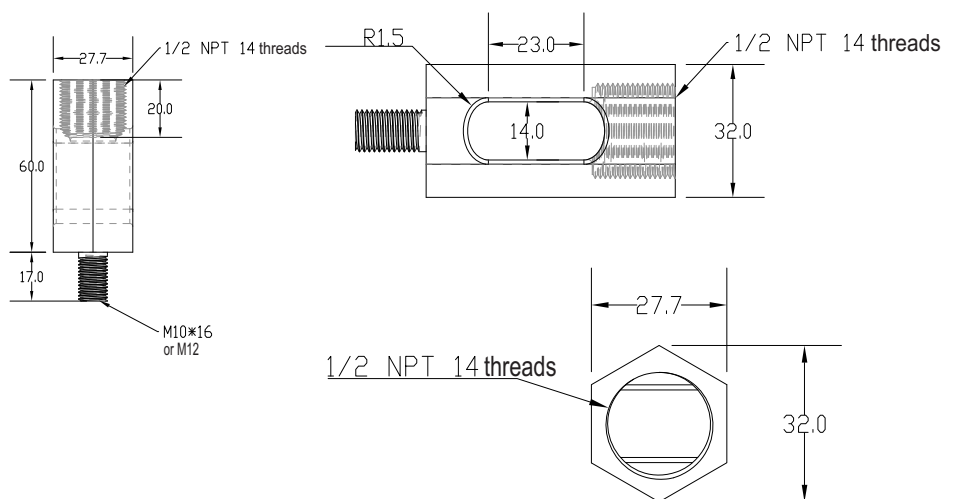


CHB-WG | Wireguard for CHB

CHB-CBC | Clear Bottom Cap for CHB PC Reflector

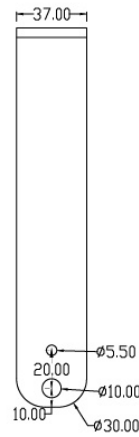
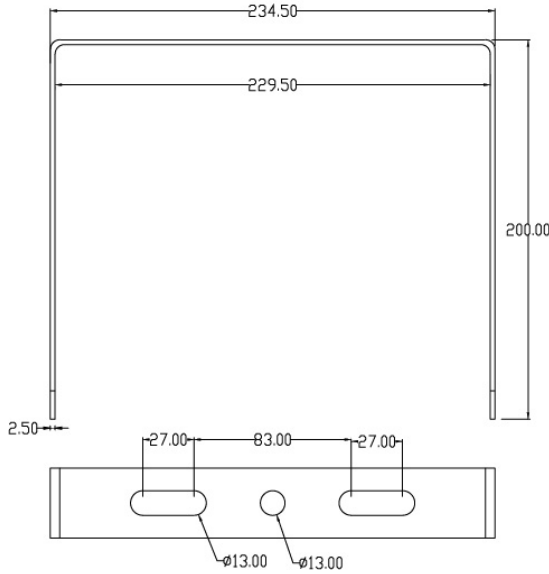


CHB-PMAM12 / CHB-PMAM10
Piping Mount Adaptor for CHB

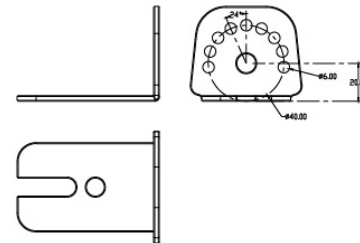




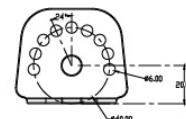
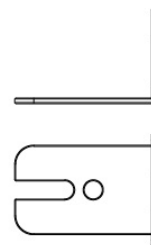
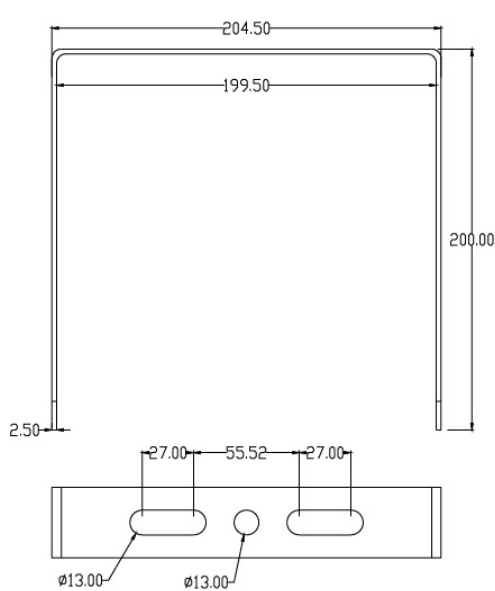
MOUNTING ACCESSORIES



CHB-MOUNT BRACKET KIT



CHB-MOUNT BRACKET KIT (L) | Mount Bracket Kit for CHB 150W & 250W (Large)



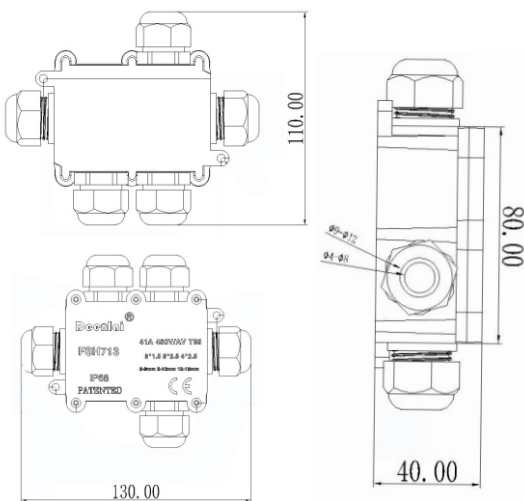
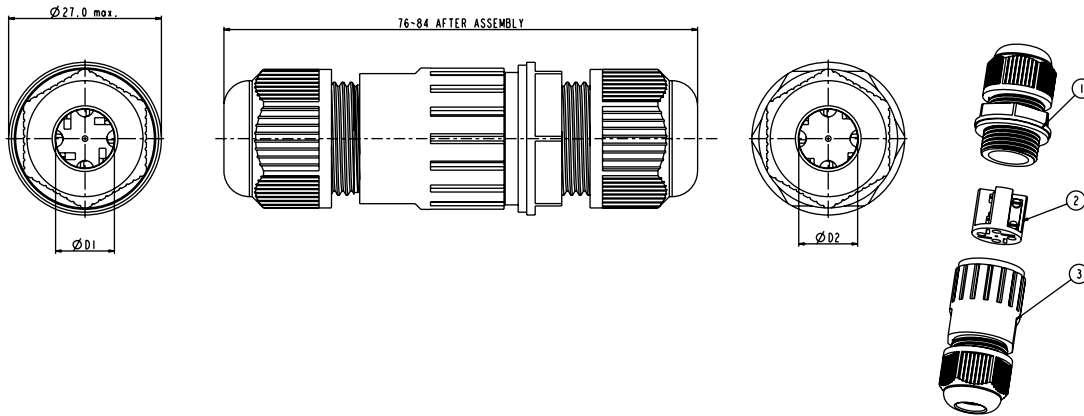
CHB-MOUNT BRACKET KIT (S) | Mount Bracket Kit for CHB 100W (Small)



MOUNTING ACCESSORIES



CHB-CABLE CONNECTOR | Cable Connector for CHB



WATERPROOF5HJBOX | Waterproof Junction Box



MC054V & MS347 | IP65 Microwave Motion Sensor 120-277V & Motion Sensor Device



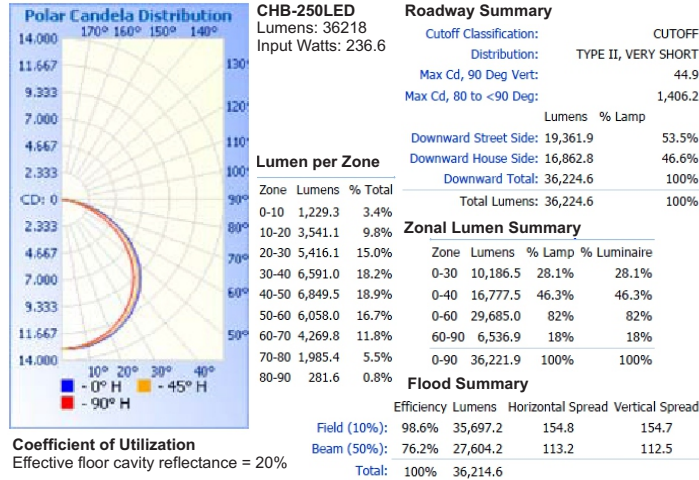
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solutions closer to nature

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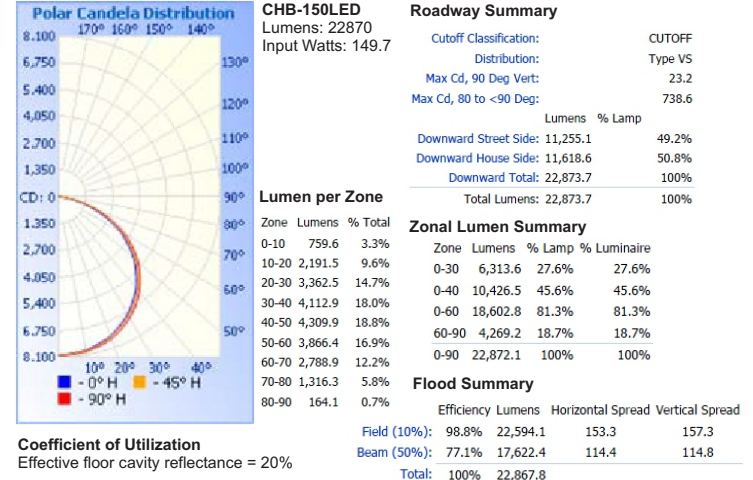
PHOTOMETRICS

Disclaimer: Photometric data result was obtained under clear lens condition.



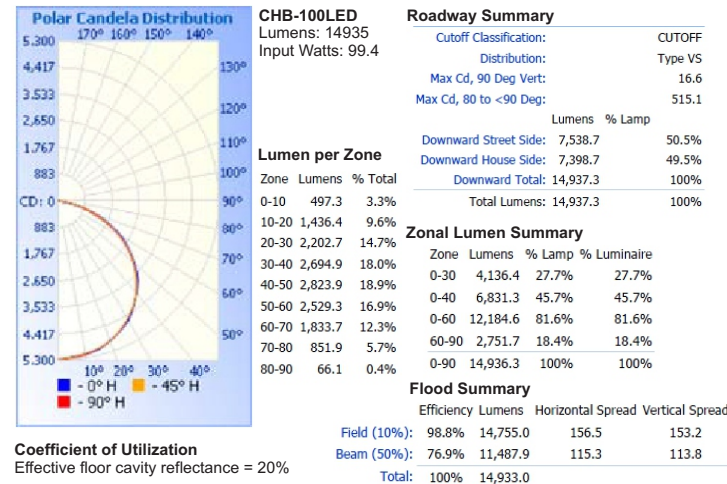
RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	0	50	30	20	10	0	0		
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.86	.98	.95	.93	.95	.92	.90	.91	.89	.87	.85			
2	1.00	.92	.85	.80	.97	.90	.84	.73	.86	.81	.77	.83	.79	.75	.80	.77	.74	.71			
3	.91	.81	.73	.66	.89	.79	.72	.62	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60			
4	.83	.72	.63	.56	.81	.70	.62	.53	.68	.61	.55	.65	.59	.54	.63	.58	.54	.52			
5	.77	.64	.55	.49	.75	.63	.55	.46	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45			
6	.71	.58	.49	.42	.69	.57	.48	.41	.55	.47	.42	.53	.46	.41	.52	.46	.41	.39			
7	.66	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34			
8	.61	.48	.39	.33	.59	.47	.39	.32	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31			
9	.57	.44	.35	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28			
10	.53	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25			

Disclaimer: Photometric data result was obtained under clear lens condition.



RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0			
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.02	1.02	1.02	1.00				
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.86	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85			
2	1.00	.92	.85	.79	.97	.90	.84	.72	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71			
3	.91	.80	.72	.66	.88	.79	.71	.62	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60			
4	.83	.71	.63	.56	.81	.70	.62	.53	.67	.60	.55	.65	.59	.54	.63	.58	.53	.51			
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44			
6	.70	.57	.48	.42	.69	.56	.48	.40	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39			
7	.65	.52	.43	.37	.64	.51	.43	.36	.49	.42	.37	.48	.41	.36	.47	.41	.36	.34			
8	.61	.47	.39	.33	.59	.47	.38	.32	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30			
9	.57	.43	.35	.30	.55	.43	.35	.29	.42	.34	.29	.40	.34	.29	.39	.33	.29	.27			
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.27	.37	.31	.26	.37	.31	.26	.25			

Disclaimer: Photometric data result was obtained under clear lens condition.



RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	0	50	30	20	10	0	0		
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	1.00		
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.86	.98	.95	.93	.95	.92	.90	.91	.89	.87	.85	.83		
2	1.00	.92	.85	.80	.97	.90	.84	.73	.86	.81	.77	.83	.79	.75	.80	.77	.73	.71	.69		
3	.91	.81	.73	.66	.88	.79	.72	.62	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60	.58		
4	.83	.71	.63	.56	.81	.70	.62	.53	.68	.60	.55	.65	.59	.54	.63	.58	.53	.51	.49		
5	.76	.64	.55	.48	.74	.63	.54	.46	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44	.42		
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.41	.53	.46	.41	.51	.45	.41	.39	.37		
7	.65	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34	.33		
8	.61	.47	.39	.33	.59	.47	.39	.32	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30	.29		
9	.57	.43	.35	.30	.55	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.34	.29	.27	.26		
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.27	.38	.31	.27	.37	.31	.26	.25	.24		