

SPECIFICATION SHEET

SUBJECT

BLACKSTAR CIR. LED HIGH BAY

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____



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 and shopping malls.

SPECIFICATION FEATURES

Construction

- Cold forged, anti-corrosive high purity 1060 aluminium housing
- 10 ft cable included
- Carbon steel with electrophoresis coating mounting ring

Beam Angle

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

Shielding

- PC (Polycarbonate) lens (standard and frosted)

Compliance

- IP65
- cULus
- DLC

Mounting

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

Warranty

- 5-Year Warranty (Standard)
- 10-Year Limited Warranty (Optional)

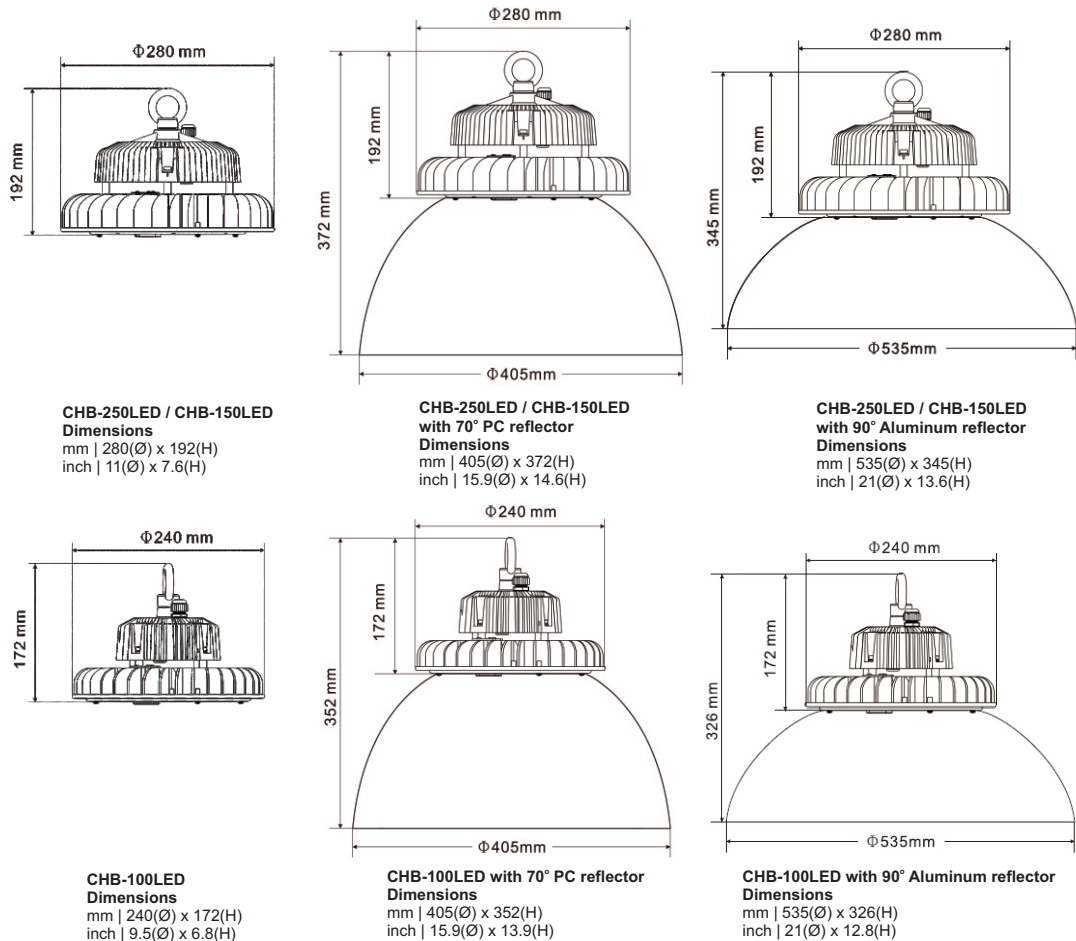


**CIRCULAR
LED HIGH BAY
BLACKSTAR
circular high bay**





































CHB SERIES

Circular High Bay

Wattage(s)	100W, 150W, 250W
Voltage	120-277V, 200-480V
Dimmable	0-10V
CCT	4000K & 5000K
CRI	>70
Efficacy	150lm/W
Lumen Maintenance	L70 > 420,000h Lumen maintenance at 36,000 hrs = 95.6%
Operating Temperature	-40°C to 50°C
Inherent Surge Protection	6kV



ORDERING CODE, ENERGY AND PERFORMANCE DATA

	Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (lm/W)	Certification
	CHB-250LED50K-347-D	35216	240	200-480	5000K	147	 
	CHB-250LED40K-347-D	35013	240	200-480	4000K	146	 
	CHB-150LED50K-347-D	21927	151	200-480	5000K	145	 
	CHB-150LED40K-347-D	21782	151	200-480	4000K	144	 
	CHB-100LED50K-347-D	15131	101	200-480	5000K	150	 
	CHB-100LED40K-347-D	14735	100	200-480	4000K	147	 
	CHB-250LED50K-120M-D	34555	241	120-277	5000K	143	 
	CHB-250LED40K-120M-D	34074	241	120-277	4000K	142	 
	CHB-150LED50K-120M-D	21727	154	120-277	5000K	141	 
	CHB-150LED40K-120M-D	21340	154	120-277	4000K	138	 
	CHB-100LED50K-120M-D	14599	99	120-277	5000K	147	 
	CHB-100LED40K-120M-D	14164	98	120-277	4000K	144	 

- 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) **(Not Sold Separately, must be pre-installed)**
- CHB-MOUNT BRACKET KIT (S) | Mount Bracket Kit for CHB 100W (Small) **(Not Sold Separately)**

CONTROLS (OPTIONAL)

- SMR5052 | 609V RC Microwave Motion Sensor
- SMR4032 | 054V RC Microwave Motion Sensor
- 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)
- SMI1502 | PIR Occupancy Sensor 120-347V (Not IP-rated)
- SMI1503 | PIR Occupancy Sensor 120-347V, Dimmable (Not IP-rated)
- EMP-P4035 | Emergency Battery Pack for CHB type fixtures (CHB 100W & 150W - 120V Only)



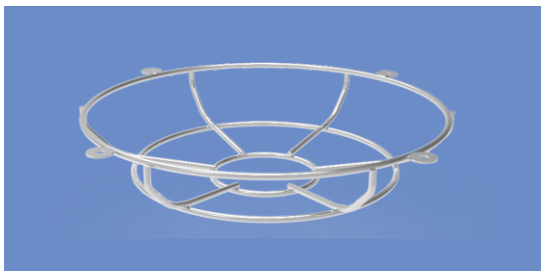
OPTIONAL ACCESSORIES



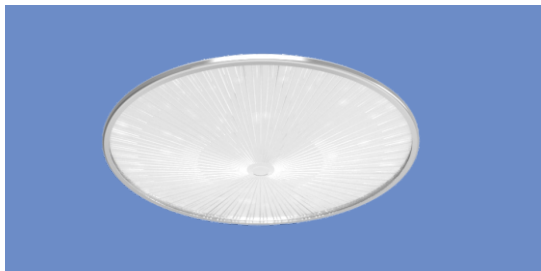
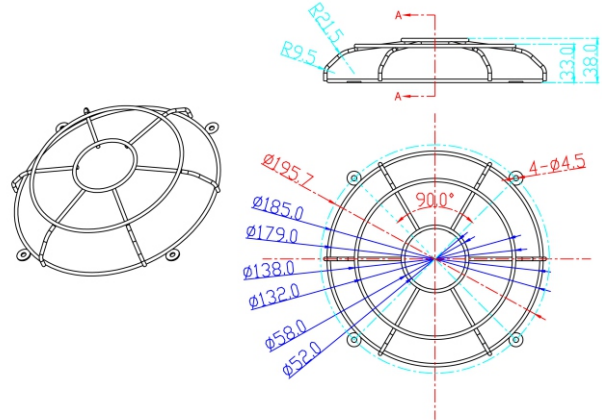
CHB-PCR | 70° PC Reflector for CHB

CHB-ALUR | 90° Aluminum Reflector for CHB

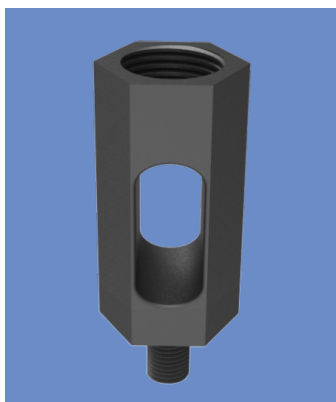
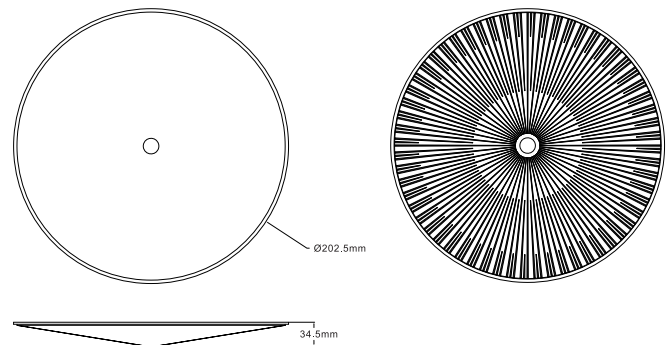
CHB-ALUR (V2) | 90° Aluminum Reflector for CHB (Version 2)



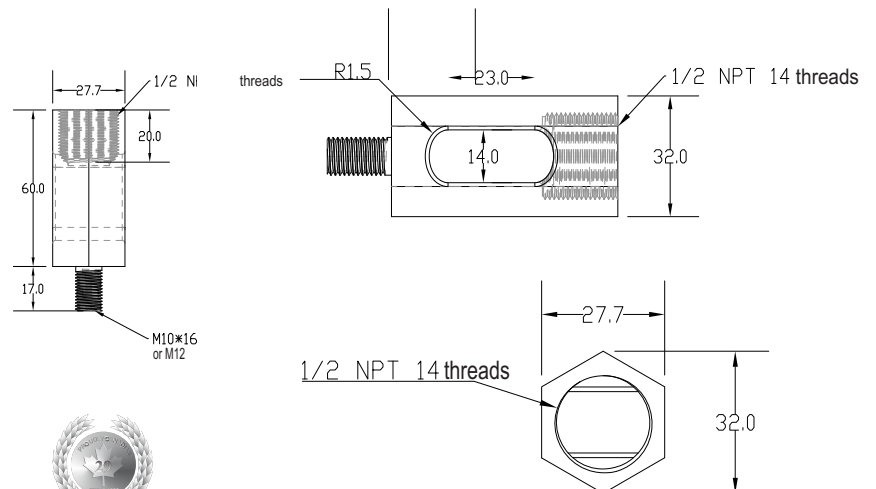
CHB-WG | Wireguard for CHB



CHB-CBC | Clear Bottom Cap for CHB PC Reflector

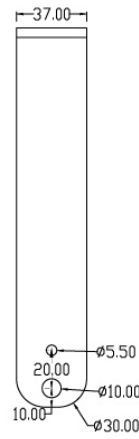
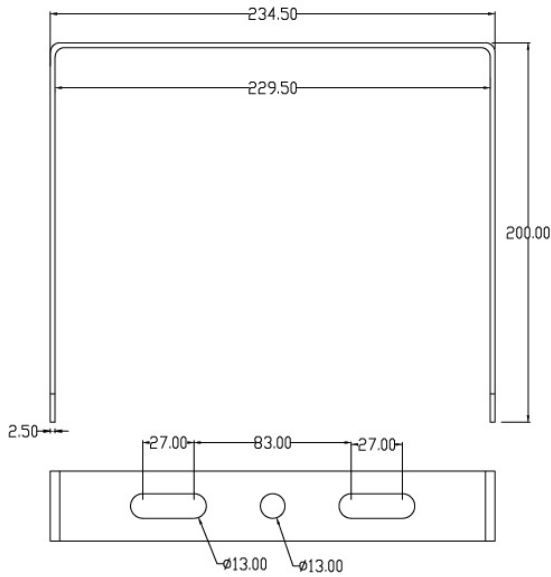


CHB-PMAM12 / CHB-PMAM10
Piping Mount Adaptor for CHB

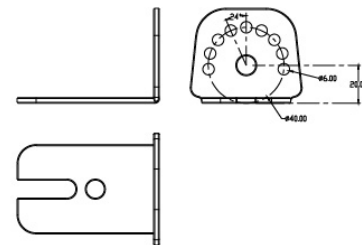


Please allow for tolerance on specifications and dimensions.
If required, please consult EEL.

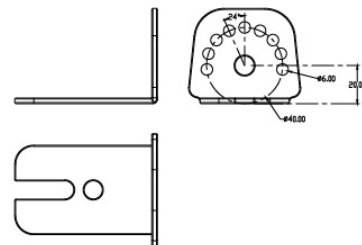
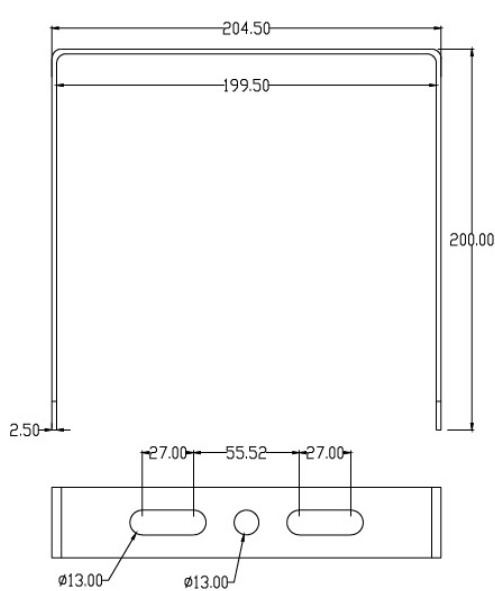
MOUNTING ACCESSORIES



CHB-MOUNT BRACKET KIT



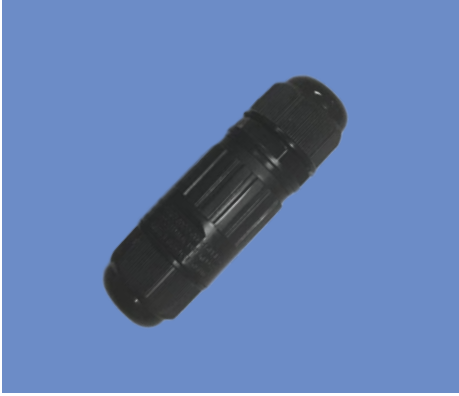
CHB-MOUNT BRACKET KIT (L) | Mount Bracket Kit for CHB 150W & 250W (Large)



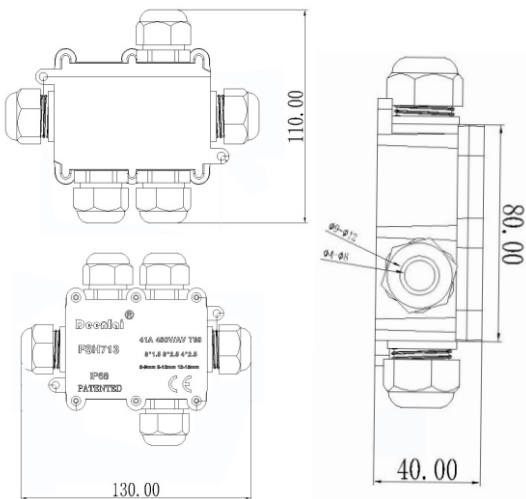
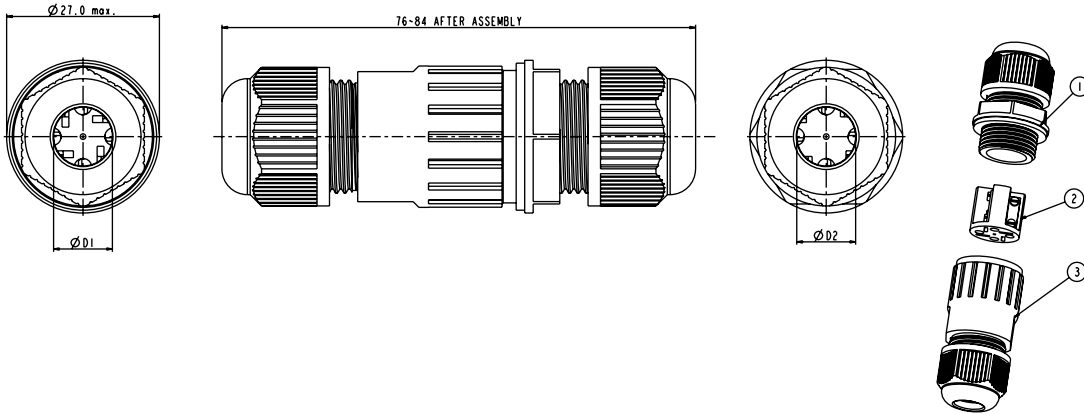
CHB-MOUNT BRACKET KIT (S) | Mount Bracket Kit for CHB 100W (Small)



MOUNTING ACCESSORIES



CHB-CABLE CONNECTOR | Cable Connector for CHB



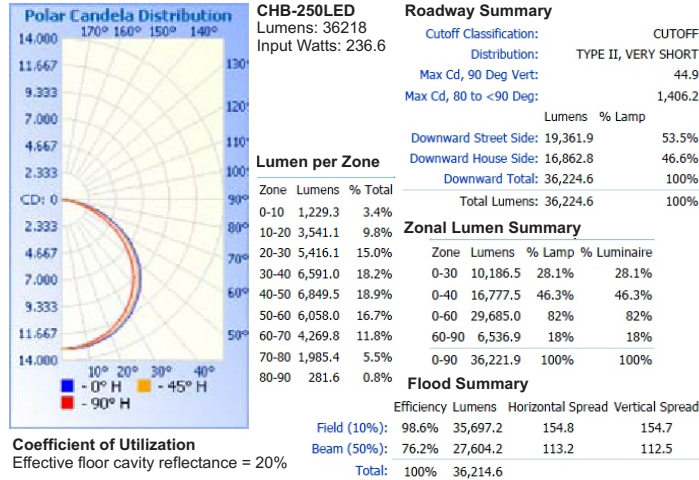
WATERPROOF5HJBOX | Waterproof Junction Box



SMR4032 & SMR5052 | IP65 Microwave Motion Sensor 120-277V & Motion Sensor Device

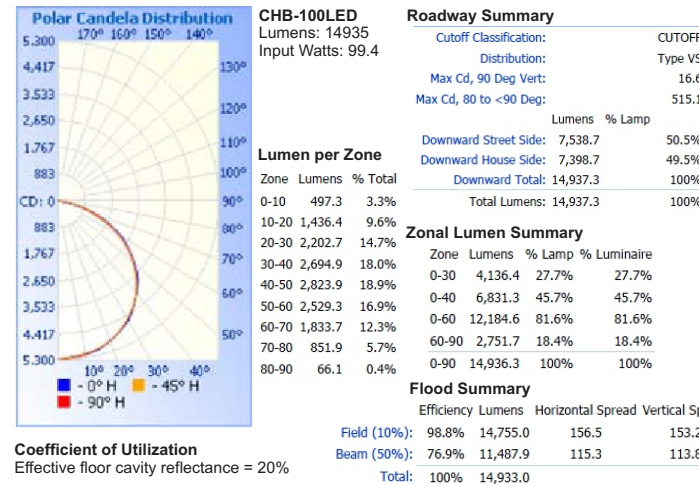
PHOTOMETRICS

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



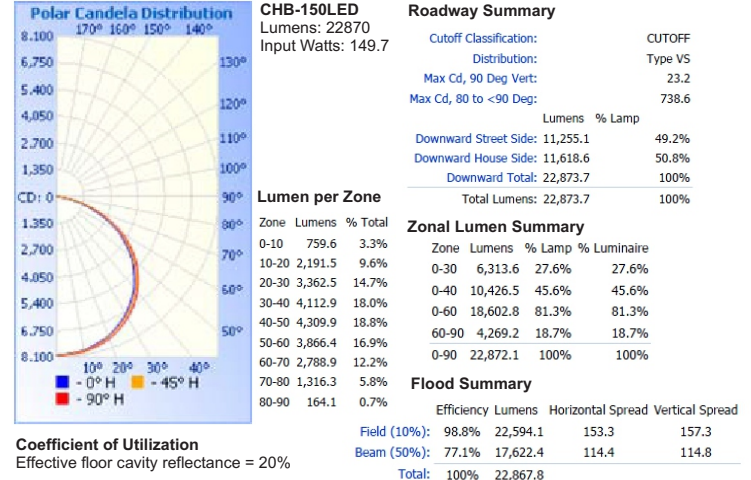
RCC %:	80				70				50				30				10				0					
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	50	30	20	0		
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00								
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.86	.98	.95	.93	.95	.92	.90	.91	.89	.87	.85								
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	0	50	30	20	0	50	30	20	0	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	1.06	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								
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5	.76	.64	.55	.48	.74	.63	.54	.46	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44								
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.41	.53	.46	.41	.51	.45	.41	.39								
7	.65	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34								
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9	.57	.43	.35	.30	.55	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.34	.29	.27								
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.27	.38	.31	.27	.37	.31	.26	.25								

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RCC %:	80				70				50				30				10				0					
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	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	1.06	1.02	1.02	1.02	1.00								
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