



PRODUCT SPECIFICATION

The CRC series is designed for use in all levels of correctional facilities, behavioral health units, and high abuse applications. Anti-ligature for patient safety.

Mounting

Suitable for installation in recessed 15/16"-1.5" T-Grid or hard ceiling applications. Hard ceiling (flange) type mounts via swing arm brackets that extend and clamp with a single screw action. Swing arm bracket also serves as connection for earthquake cables.

Housing

18 gauge die-formed cold rolled steel with seams welded and ground smooth. Standard. Other options available.

Door

One-piece die-formed cold rolled steel overlapping door with 14 gauge lens retainers. Freedom Hinge™ design permits removal and hinging from either side. 304 Stainless steel available.

Internal Lens

Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

Driver

0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring

Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Hardware

Recessed, stainless steel, tamper-proof fasteners.

Certifications

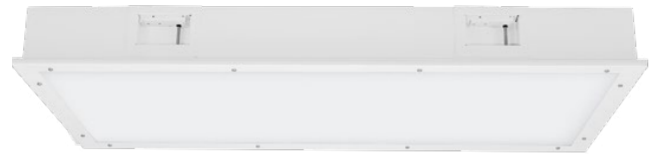
UL Listed damp or wet location. Wet location option is IP65 rated. Included in NYS OMH Patient Safety Standards.

Job Name _____

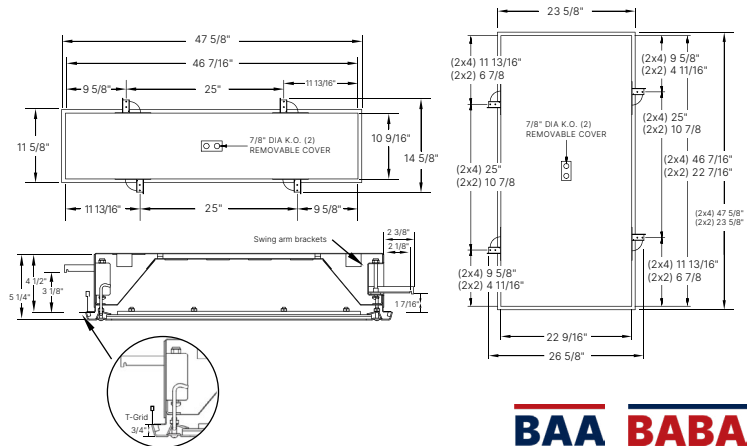
Fixture Type _____

Catalog No. _____

Approval _____ Date _____



Ceiling Grid / Flange Design



	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen		
CRC	-	-	/	-	-	-	-	-	DM	-	/	-	-	-		
one Luminaire Size	14	1 x 4, three rows max	22	2 x 2	24	2 x 4	seven Finish	R	Brushed (Stainless steel only)	W	White	twelve Door Fasteners	AP	Stainless steel allen head with pin		
two LED Source		Refer to the LED Source Table on Page 2 for available options.	three Color Temperature	30	3000K	35	3500K	40	4000K	50	5000K	thirteen UL Listing	D	Damp Location		
four CRI	80	80 CRI	90	90 CRI	five Door Gauge	N	18 gauge, minimum security	D	16 gauge, medium security	X	14 gauge, maximum security	U	12 gauge, super max, <u>CRS only</u>	W	Wet Location	
six Door Material	C	Cold rolled steel	S	304 Stainless steel	eight Voltage	VAR	Variable, 120-277 V, 50/60Hz	347	347VAC, 60Hz	nine Driver	DM	0-10Vdc Dimming, <u>standard</u>	fourteen Options	2C	Two-circuit wired	
seven Internal Lens	122	Optic Plus LED diffusing acrylic, <u>standard</u>	130	.125 in. LED diffusing Lexan	53	.125 in. K12 prismatic acrylic	12	.125 in K12 prismatic polycarbonate	15	.156 in. K12 prismatic polycarbonate	16	.187 in. K12 prismatic polycarbonate	AM	Anti-microbial coating (exposed areas)		
eleven External Lens	30	.187 in. clear polycarbonate	32	.250 in. clear polycarbonate	36	.375 in. clear polycarbonate	38	.500 in. clear polycarbonate	90	.187 in. clear tempered glass	92	.250 in. clear tempered glass	96	.375 in. clear tempered glass	CU	Canadian UL Listing
														CP	CCEA Chicago	
														EM	Emergency battery backup	
														FH	Fuse and holder	
														NL-LED	Night light, LED (Amber available) 5-100% Adjustability	
														IMS	Integral Occ Sensor	
														PF	Plaster frame	
														AWN	Lutron Athena Wireless Node RF Only	
														Housing Material		
														AH	Aluminum - 16 gauge	
														DH	Cold rolled steel - 16 gauge	
														SH	Stainless steel - 18 gauge	

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
1' x 4' Fixture									
1W20	2114	103	2146	105	2142	104	2272	111	20.5
1W30	3130	105	3177	106	3270	109	3364	113	29.9
1W40	4282	104	4346	106	4474	109	4602	112	41.0
1W55	5489	100	5571	102	5735	105	5899	108	54.8
2W70	7065	105	7170	106	7381	109	7592	112	67.6
2W85	8564	104	8692	106	8948	109	9203	112	82.1
2W100	10978	100	11142	102	11470	105	11797	108	109.6
2' x 2' Fixture									
2W28	2753	105	2794	107	2876	110	2958	113	26.1
2W43	4142	105	4204	106	4328	109	4452	112	39.6
2W58	5544	101	5627	103	5793	106	5958	109	54.8
4W85	8285	104	8409	106	8656	109	8903	112	79.3
4W110	11089	101	11254	103	11585	106	11917	109	109.6
2' x 4' Fixture									
2W43	4448	116	4514	117	4647	121	4780	124	38.5
2W61	6160	116	6252	117	6436	121	6619	124	53.3
2W75	7853	110	7970	111	8204	115	8439	118	71.5
2W95	10124	108	10275	110	10577	113	10879	116	93.7
2W110	11548	105	11720	107	12065	110	12409	113	109.6
3W135	14077	109	14287	111	14707	114	15128	117	128.9
3W165	17321	105	17580	107	18097	110	18614	113	164.4
4W195	20248	108	20550	110	21154	113	21759	116	187.4
4W225	23095	105	23440	107	24129	110	24819	113	219.2

Lens Multiplier - Use the multipliers below to adjust the delivered lumens

Internal Lens			External Lens		
53	.125 in. K12 prismatic acrylic	1.00	30	.187 in. Clear polycarbonate	1.02
12	.125 in K12 prismatic polycarbonate	.98	32	.250 in. Clear Polycarbonate	1.00
15	.156 in. K12 prismatic polycarbonate	.97	36	.375 in. Clear polycarbonate	.96
16	.187 in. K12 prismatic polycarbonate	.95	38	.500 in. Clear polycarbonate	.92
122	Optic Plus diffusing acrylic	1.00	90	.187 in. Clear tempered glass	1.04
130	.125 in. LED diffusing Lexan	.95	92	.250 in. Clear tempered glass	1.03
90 CRI Multiplier		.83	96	.375 in. Clear tempered glass	.99

Delivered lumen output calculated using 122 inner lens and 32 (.250" Clear Polycarbonate) outer lens (Highlighted above).

Specified Output Option

L.C. Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

Example Model:

CRC24-XX'SO-40/80-DCW-VARDM-122/32-(XX²/LUMENS)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.