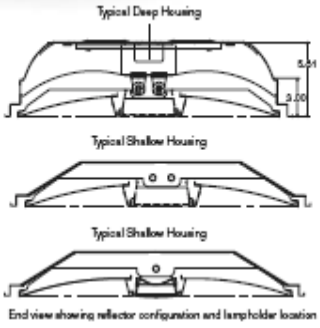
Recessed Direct/Indirect Troffer Retrofit Kits

Elegant Design: The RDI ACR provides the look and feel of a deep RDI luminaire -- subtle soft indirect elements, interest and depth across the ceiling plane -- with a kit that consumes minimal space and material.

Efficient Solution: The contoured panels of the "louver" are high transmission acrylic that provide a low-brightness glow, with the majority of the light controlled through the center baffle element.



End view showing reflector configuration and lampholder location

Prelimary Specifications

Door Frame: Frameless box flange can be configured to most hinge/latch locations. Features positive latching mechanism for easy re-lamping. Flanged version available for standard and narrow door frame insertion. KC framed versions available.

Direct Optical Component: Precision parabolic blades available in any of our standard finishes or perforated basket version.

Diffuser: (2) White frosted acrylic diffuser panels

Reflector: Multi-radii high reflectance white reflector distributes light through the acrylic diffusers eliminating lamp imaging and providing low-brightness glow.

Gear Tray/Socket Bars: 22-gauge cold-rolled steel construction. Cut-outs and knock-outs for easy wiring.

Luminaire Type: Customized to fit most standard recessed lensed or parabolic housings 2x2' and 2x4'

Lamps: 1, 2 or 3-lamp T8, Biax, or T5 fluorescent wiring kits available.

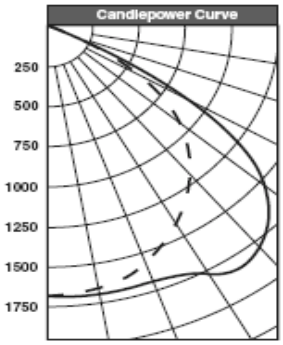
LOUVER		W	L
RDIAC22SSS-SD	2x2 Acrylic RDI w/ Baffle - STD Door Frame	22.70"	22.65"
RDIAC22SSS-ND	2x2 Acrylic RDI w/ Baffle - NRW Door Frame	22.20"	22.50"
RDIAC24SSS-SD	2x4 Acrylic RDI w/ Baffle - STD Door Frame	22.70"	46.65"
RDIAC24SSS-ND	2x4 Acrylic RDI w/ Baffle - NRW Door Frame	22.20"	46.50"
REFLECTOR OPTION			
RDIARK222LT5	AC RDI Wiring Kit and Reflector 2' 2L T5		
RDIARK222LT8	AC RDI Wiring Kit and Reflector 2' 2L T8		
RDIARK221LT5	AC RDI Wiring Kit and Reflector 2' 1L T5		
RDIARK221LT8	AC RDI Wiring Kit and Reflector 2' 1L T8		
RDIARK242LT5	AC RDI Wiring Kit and Reflector 4' 2L T5		
RDIARK242LT8	AC RDI Wiring Kit and Reflector 4' 2L T8		
RDIARK241LT5	AC RDI Wiring Kit and Reflector 4' 1L T5		
RDIARK241LT8	AC RDI Wiring Kit and Reflector 4' 1L T8		

*For Shallow Kwik Change Option please remove door frame designation of "SD" or "ND" and add (SK) to part number – i.e. RDIAC22SSS-SK
For Deep Cell Parabolic Reflector Option add (DC) to part number RDIARK222LT5-DC

RDIAC24SSSD
Direct / Indirect Luminaire
Specular Louver
Acrylic HT Lens
Lamps: (2) F32T8
Rated Lumens: 2900

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	1372.6	23.7	27.6
0-40	2349.5	40.5	47.3
0-60	4395.5	75.8	88.5
0-90	4966.3	85.6	100.0
60-90	570.8	9.8	11.5
90-180	0.0	0.0	0.0
0-180	4966.3	85.6	100.0



COEFFICIENTS OF UTILIZATION

Room Cavity Ratio	CEILING CAVITY REFLECTANCE																	
	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	00
0	102	102	102	102	100	100	100	100	95	95	95	91	91	91	87	87	87	86
1	95	91	88	85	92	89	86	84	85	83	81	82	80	79	79	78	76	75
2	87	80	75	71	84	79	74	70	76	72	68	73	70	67	70	68	65	63
3	79	71	64	59	77	70	64	59	67	62	58	65	60	57	63	59	56	54
4	73	63	56	50	71	62	55	50	60	54	49	58	53	49	56	52	48	46
5	67	56	49	43	65	55	48	43	53	47	43	52	46	42	50	45	42	40
6	61	50	43	38	60	50	43	37	48	42	37	47	41	37	45	40	36	35
7	57	46	38	33	55	45	38	33	44	37	33	42	37	32	41	36	32	31
8	53	41	34	29	51	41	34	29	40	33	29	39	33	29	38	33	29	27
9	49	38	31	26	48	37	31	26	36	30	26	35	30	26	35	30	26	24
10	46	35	28	24	45	34	28	24	34	28	24	33	27	23	32	27	23	22

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