# **COOPER LIGHTING SOLUTIONS - METALUX®**

# DESCRIPTION

The GR8IC is a T8-dedicated lensed troffer designed to offer premium performance in a low profile housing. T8 dedication and optimized lamp to lens spacing provides the best in energy efficiency and optical control. The GR8IC's shallow, low profile housing is compatible with even highly restrictive plenums. Luminaires are compatible with today's popular ceiling systems.

The GR8IC offers great performance and great quality. The series is designed for installation when the housing will be in direct contact with insulation.

# SPECIFICATION FEATURES

# Construction

Unitized low profile recessed housing is die formed of code gauge prime cold rolled steel with full length stiffeners and unibody endplate for added strength. Ballast cover is easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring for easy lampholder replacement. Ample KOs are provided for continuous row wiring. Built-in grid-lock feature for safety and convenience.

# Electrical\*\*

Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Rotor-lock lampholders. UL/CUL listed. Type IC Rated for direct contact with insualtion. Suitable for damp locations.

#### Finish

Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibition. Lighting grade baked white enamel finish with premium reflectance for high efficiency.

# Hinging/Latching

Positive spring loaded steel latches and safety lock T-hinges provide secure, high quality door fit and allow hinging and latching from either side.

Catalog #	Туре
Project	-
Comments	Date
Prepared by	

# Frame/Shielding

Heavy gauge flat steel door is die formed with reinforced mitered corners. Housing and door frame assemblies incorporate full width mechanical light traps. Light stabilized, acrylic prismatic lens.

# Controls

LAMP CONFIGURATIONS

23-3/4" [603mm]

3-1/4" [83mm]

X=5-3/8"

[137mm]

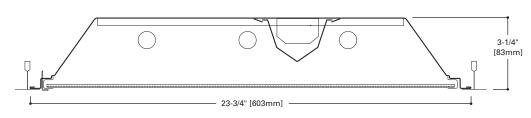
Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Lighting Solutions (www.cooperlighting.com) to maximize energy savings.



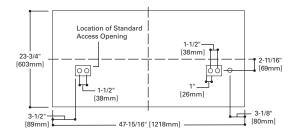
# 2GR8IC 328T8 332

2'X 4'TROFFER 3 T8 LAMPS

General Purpose T8 Commercial Troffer FOR USE IN INSULATED CEILINGS



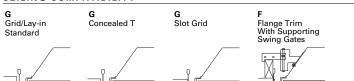
# MOUNTING DATA



# DOOR FRAMES



# CEILING COMPATIBILITY



Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G
Flange	G***

# ENERGY DATA

Input Watts: **EB Ballast & STD Lamps** 328T8 (67) 332 (91)

Luminaire Efficacy Rating LER = FL-75 Catalog Number: 2GR8IC-332A

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.20

\*Standard G (Grid) Type Fixtures can be field converted by adding trim kits. See Compatibility Section or Consult Factory.

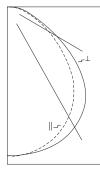
\*\*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

\*\*\*When ordering Flange Kit for installation in drywall ceilings, see options and accessories compatibility section and ordering logic.



COOPER LIGHTING SOLUTIONS

# PHOTOMETRICS



### Candela

Electronic Ballast
(3) F28T8 lamps 3100 lumens
Spacing criterion: (II) 1.2 x mounting height, $(\perp)$ 1.4 x
mounting height
Efficiency 77.6%
Test Report: 2GR8IC-332A.IES
LER = FL-75
Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.20

2GR8IC-332A

Angle	Along II	45°	Across ⊥		
0	2717	2717	2717		
5	2719	2706	2716		
10	2684	2685	2708		
15	2622	2648	2691		
20	2537	2592	2655		
25	2419	2510	2594		
30	2276	2400	2503		
35	2101	2256	2383		
40	1888	2059	2225		
45	1630	1808	1991		
50	1342	1537	1688		
55	1082	1248	1345		
60	847	928	1011		
65	640	632	731		
70	471	405	527		
75	333	271	394		
80	237	206	295		
85	127	127	169		
90	12	25	36		

# Coefficients of Utilization

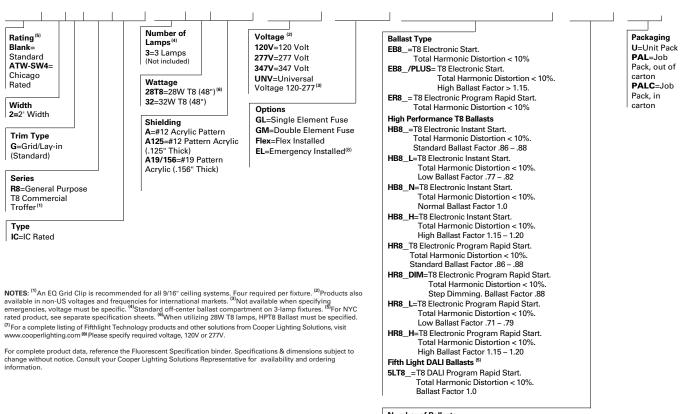
	Eff	ecti	ve fl	oor c	avity r	eflec	tanc	е	20%									
rc	80%			70%			50%				30%			10%				
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	92	92	92	92	90	90	90	90	86	86	86	82	82	82	79	79	79	78
1	85	81	78	75	83	80	77	74	76	74	72	73	71	70	70	69	67	66
2	78	72	67	62	76	70	65	62	67	63	60	65	62	59	62	60	57	56
3	71	63	57	52	69	62	56	52	60	55	51	58	54	50	56	52	49	48
4	65	56	50	45	64	55	49	45	53	48	44	52	47	43	50	46	43	41
5	60	51	44	39	59	50	43	39	48	43	38	47	42	38	45	41	37	36
6	56	46	39	34	54	45	39	34	44	38	34	42	37	33	41	37	33	32
7	52	41	35	30	50	41	35	30	40	34	30	39	33	30	38	33	29	28
8	48	38	31	27	47	37	31	27	36	31	27	35	30	27	34	30	26	25
9	45	35	29	24	44	34	28	24	33	28	24	33	28	24	32	27	24	23
10	42	32	26	22	41	32	26	22	31	26	22	30	25	22	30	25	22	20

# Zonal Lumen Summary Luminance Data

Zone	Lumens	%Lamp	%Fixture	Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
0-30	2162	23.2	30.0	45	3697	4101	4516
0-40	3564	38.3	49.4	55	3026	3490	3761
0-60	6046	65.0	83.8	65	2429	2399	2774
0-90	7213	77.6	100.0	75	2064	1679	2442
0-180	7213	77.6	100.0	85	2337	2337	3110

# ORDERING INFORMATION

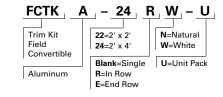
# SAMPLE NUMBER: 2GR8IC-332A-UNV-EB81-U



Number of Ballasts 1=1 Ballast 2=2 Ballasts 3=3 Ballasts

### ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips<sup>(1)</sup> FCTKA-24W-U=Field Installed Flange Kit



#### SHIPPING INFORMATION

Catalog No.	Wt.			
2GR8IC-328T8A	20 lbs.			
2GR8IC-332A	20 lbs.			



 Visit our web site at www.cooperlighting.com

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