## DESCRIPTION

The GR5 is a T5-dedicated lensed troffer designed to offer premium performance in a low profile housing. The GR5's shallow, low profile housing is compatible with even highly restrictive plenums. Luminaires are compatible with today's popular ceiling systems.

The GR5 offers great performance and great quality. The series is an excellent choice for commercial offices, schools, hospitals, retail merchandising and many other applications.

# SPECIFICATION FEATURES

#### Construction

Unitized low profile recessed housing is die formed of code gauge prime cold rolled steel with full length stiffeners and mechanical endplate attachment 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. 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 cam action steel latches and safety lock T-hinges provide secure, high quality door fit and allow hinging and latching from either side.

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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

10-3/4'

[274mm] 23-3/4" [603mm]

214 3-1/4" [83mm]

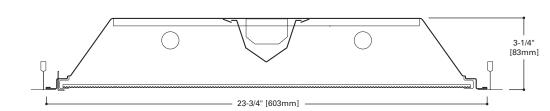
DOOR FRAMES

2 G R 5

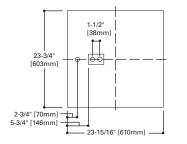
Flat, White Steel (White

Latches)

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.

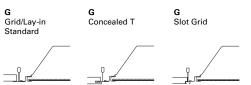


# MOUNTING DATA



# CEILING COMPATIBILITY

ooper





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



# **2GR5** 214T5 224T5

2' X 2' TROFFER 2 LAMP T5

General Purpose T5 Commercial Troffer



# ENERGY DATA

Input Watts: EB Ballast & STD Lamps 214T5 (32), 224T5 (53)

Luminaire Efficacy Rating LER = FL-60 Catalog Number: 2GR5-214T5 Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$4.00

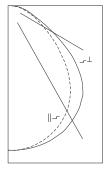
\*Standard G (Grid) Type Fixtures can be field converted by adding trim kits. See Compatibility Section or Consult Factory. \*\*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements. \*\*\*When ordering Flange Kit for installation in drywall ceilings, see options and accessories compatibility section and ordering logic.

#### LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS





# PHOTOMETRICS



#### 2GR5-214T5A Electronic Ballast

(2) 14W T5 lamps 1300 lumens

Spacing criterion: (II) 1.2 x mounting height,  $(\perp)$  1.3 x mounting height Efficiency 76.1%

Test Report: 2GR5-214T5A.IES

LER = FL-60

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$4.00

rc rw	80%				70%				50%			30%			10%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
CR																		
0	91	91	91	91	88	88	88	88	85	85	85	81	81	81	78	78	78	76
1	83	80	77	74	81	78	75	73	75	73	71	72	70	68	69	68	66	65
2	76	5 70	66	61	74	69	65	61	66	63	59	64	61	58	62	59	57	55
3	70	62	57	52	68	61	56	51	59	54	51	57	53	50	55	52	49	47
4	64	56	49	45	63	55	49	44	53	48	44	51	47	43	49	46	42	41
5	59	) 50	44	39	58	49	43	38	48	42	38	46	41	38	45	41	37	36
6	55	5 45	39	34	54	45	38	34	43	38	34	42	37	33	41	36	33	31
7	51	41	35	30	50	41	34	30	39	34	30	38	33	30	37	33	29	28
8	48	38	31	27	46	37	31	27	36	31	27	35	30	27	34	30	26	25
9	45	5 35	29	24	43	34	28	24	33	28	24	32	28	24	32	27	24	23
10	42	32	26	22	41	32	26	22	31	26	22	30	25	22	29	25	22	21

Angle in Deg

%Fixture

30.9

50.7

84.5

100.0

100.0

%Lamp

23.5

38.6

64.3

76 1

76.1

Average 45-Deg cd/sm

Average 0-Deg

cd/sm

Average 90-Deg cd/sm

**Coefficients of Utilization** 

# Candela

#### ORDER INFORMATION

SAMPLE NUMBER: 2GR5-214T5A-UNV-EBT1-U

Zone

0-30

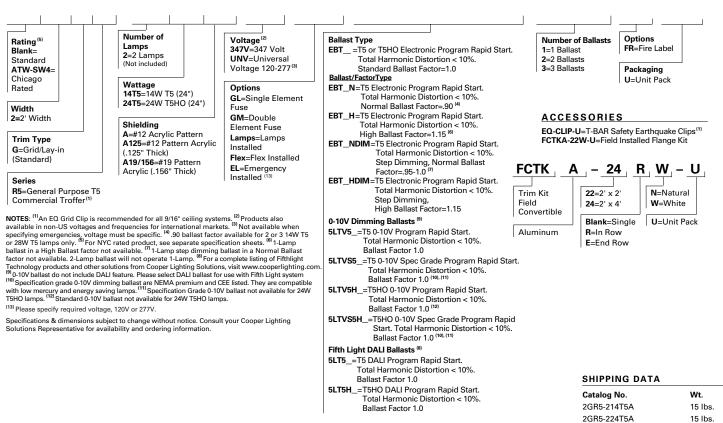
0-40

0-60

0-90

0-180

Lumens



# 

Cooper Lighting Solutions 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com

Specifications and dimensions subject to change without notice.