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.

Frame/Shielding

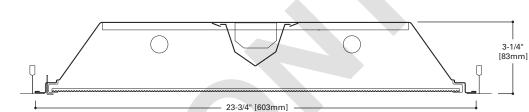
Heavy gauge flat steel door is die formed with reinforced mitered corners. Housing and door frame assemblies incorporate full width mechanical light traps. Light stabilized, acrylic prismatic lens.

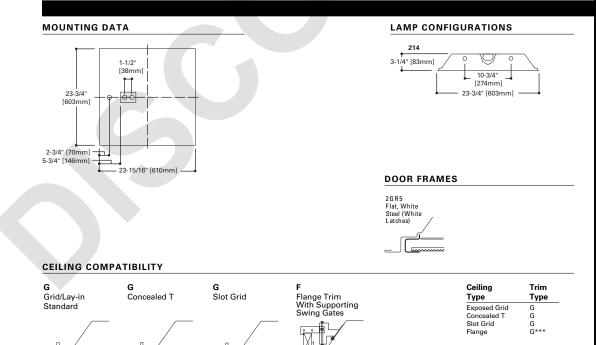
Controls

P

С

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 Controls (www.coopercontrol.com) to maximize energy savings.





Specifications and dimensions subject to change without notice. Consult your representative for additional options and finishes.

Metalux

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roject	
omments	Date
repared by	



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

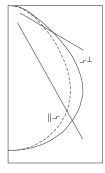
*Standard G (Grid) Type Fixtures can be field converted by adding trim kits. See Compatibility Section or Consult Factory. **Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements. ***When ordering Flange Kit for installation in drywall ceilings, see options and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





ADF110890 September 7, 2023 4:36 PM

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		80	%			7	0%			50%)		30%	, D		10%		0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
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	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	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	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	Along II	45°	Across ⊥
0	775	775	775
5	775	773	776
10	764	766	772
15	745	753	764
20	718	732	749
25	683	705	731
30	640	672	701
35	583	626	668
40	511	564	625
45	432	486	559
50	351	407	471
55	276	331	366
60	214	239	269
65	167	167	193
70	124	108	140
75	92	76	108
80	66	59	80
85	38	35	47
90	0	0	0

Candela

Zonal Lumen Summary

Coefficients of Utilization

Zone	Lumens	%Lamp	%Fixture
0-30	612	23.5	30.9
0-40	1003	38.6	50.7
0-60	1672	64.3	84.5
0-90	1979	76.1	100.0
0-180	1979	76.1	100.0

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2096	2713	2159
55	1651	2190	1645
65	1356	1567	1307
75	1220	1432	1114
85	1496	1850	1299

ORDER INFORMATION

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

Rating ⁽⁵⁾ Blank= Standard	Number of Lamps 2=2 Lamps (Not included)	Voltage ⁽²⁾ 347V=347 Volt UNV=Universal	Ballast Type EBT=T5 or T5HO Electronic Program Rapid Start Total Harmonic Distortion < 10%.			Options FR=Fire	
NTW-SW4= Chicago Rated Vidth	Wattage 14T5-14W T5 (24") 24T5-24W T5HO (24")	Voltage 120-277 ⁽³⁾ Options GL=Single Element Fuse	Standard Ballast Factor=1.0 Ballast/FactorType EBT_N=15 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Normal Ballast Factor=.90 ⁽⁴⁾	3 =3 Bal	lasts	Packagi U=Unit	•
rim Type	Shielding A=#12 Acrylic Pattern A125=#12 Pattern Acryli	GM=Double Element Fuse Flex=Flex Installed	EBT_H=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor=1.15 ⁽⁶⁾ EBT_NDIM=T5 Electronic Program Rapid Start.	EQ-CLI	ESSORIES P-U=T-BAR Sa -22W-U=Field	afety Earth	nquake Clips ⁽¹⁾ Flange Kit
B=Grid/Lay-in Standard)	(.125" Thick) A19/156=#19 Pattern Acrylic (.156" Thick)	EL=Emergency Installed (13)	Total Harmonic Distortion < 10%. Step Dimming, Normal Ballast Factor=.95-1.0 ^m EBT HDIM=15 Electronic Program Rapid Start.	FCTK	A – 24	I. <u>R</u> .	<u>W</u> – <u>U</u>
Sories' RB=General Purpose T5 Commercial Troffer ⁽¹⁾ DTES: ⁽¹⁾ An EQ Grid Clip is recommended for all 9/16' ceiling systems. ⁽²⁾ Products also ailable in non-US voltages and frequencies for international markets: ⁽³⁾ Not available when ecifying emergencies, voltage must be specific. ⁽⁴⁾ .90 ballast factor available for 2 or 3 14W T5 28W T5 lamps only. ⁽⁶⁾ For NYC rated product, see separate specification sheets. ⁽⁶⁾ 1-Lamp Illast in a High Ballast factor not available. ⁽⁷⁾ 1-Lamp step dimming ballast in a Normal Ballast ctro not available. 2-Lamp ballast will not operate 1-Lamp. ⁽⁶⁾ For a complete listing of Fifthlight chnology products and other solutions from Cooper Controls, visit www.coopercontrol.com. ⁽⁶⁾ 0-10V last do not include DALI facture. Please select DALI ballast for use with Fifth Light system. ¹ Specification grade 0-10V dimming ballast are NEMA premium and CEE listed. They are compatible th low mercury and energy saving famps. ⁽¹⁾ Specification Grade 0-10V ballast not available for 24W HO lamps. ⁽¹⁾ ¹ Please specify required voltage, 120V or 277V. secifications & dimensions subject to change without notice. Consult your Cooper Lighting presentative for availability and ordering information.		(2) -	Total Harmonic Distortion < 10%. Step Dimming, High Ballast Factor=1.15	Trim Kit Field Convertible	22 =2' × 2 24 =2' × 4		M=Natural W=White
		0-10V Dimming Ballasts ⁽⁹⁾ 5LTV5_=T5 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 5LTVS5_=T5 0-10V Spec Grade Program Rapid Stat Total Harmonic Distortion < 10%. Ballast Factor 1.0 ⁽¹⁰⁾ . ⁽¹⁰⁾ 5LTV5H_=T5HO 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 ⁽¹²⁾ 5LTV5SH_=T5HO 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10% Ballast Factor 1.0 ⁽¹⁰⁾ . ⁽¹¹⁾ Fifth Light DALI Ballasts ⁽⁸⁾ 5LT5_=T5 DALI Program Rapid Start. Total Harmonic Distortion < 10%.	d	J Blank=S R=In Rov E=End R	v	U=Unit Pack	
		Ballast Factor 1.0		SHIPPI	IG DAT	A	
			5LT5H_ =T5HO DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0		Catalog N 2GR5-214		Wt . 15



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