Metalux

DESCRIPTION

The GC Series features a 4-3/4" deep para-contoured White Optics fixture housing and optimum lamp to lens spacing. The series produces total uniformity of light in the luminous area and is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

The specification luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The GC Series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
4-3/4" deep, para-contoured housing, die formed, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Deep "V" ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy endplates are securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. Endplates have integral Grid-Lock feature for safety and convenience.

Electrical*
Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Pressure lock lampholders. UL/CUL listed.** Suitable for damp locations.

White Optics
97% reflective White Optics material with matching PAF ballast cover to help maximize retrofit kit efficiency, distribution, energy savings and payback.

Hinging/Latching
Positive Cam latch with baked enamel finish. Safety-lock T-hinges allow hinging and latching either side.

Frame/Shielding
Die formed, heavy gauge, flat steel door with reinforced mitered corners and baked white enamel finish. Positive light seals. Light stabilized 100% virgin acrylic prismatic shielding. Standard #12 pattern. Optional shielding available.

Controls
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.
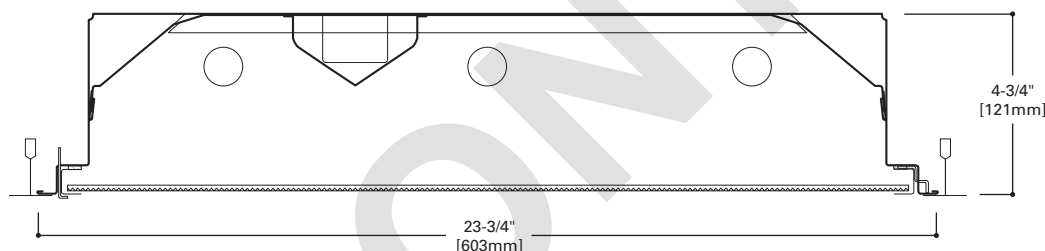
2GC
328T5
354T5
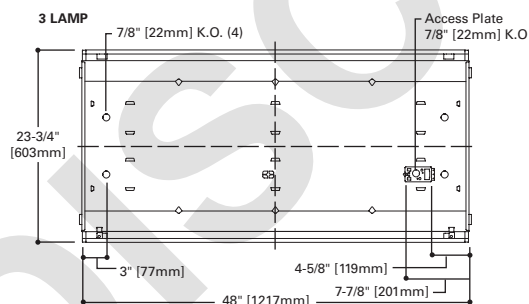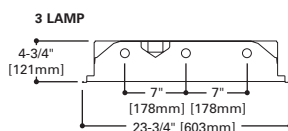
2' X 4' TROFFER
3 T5 LAMPS

Specification Deep Troffer

whiteoptics™

IMPROVING LIGHTING EFFICIENCY AND DESIGN

23-3/4" [603mm]

4-3/4" [121mm]

MOUNTING DATA

3 LAMP

7/8" [22mm] K.O. (4)

Access Plate 7/8" [22mm] K.O

23-3/4" [603mm]

3" [77mm]
4-5/8" [119mm]
7-7/8" [201mm]
48" [1217mm]

LAMP CONFIGURATIONS

3 LAMP

4-3/4" [121mm]

7" [178mm]   7" [178mm]

23-3/4" [603mm]

DOOR FRAMES

GC Flat, White Steel	GCFA Flat, Extruded White Aluminum	GCRA Deep, Regressed, Extruded White Aluminum

CEILING COMPATIBILITY

G Grid/Lay-in Standard	G Concealed T	G Slot Grid	F Aluminum Flange Trim With Supporting Swing Gates	MZ Modular Trim With Supporting Swing Gates
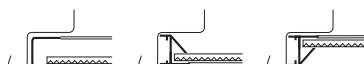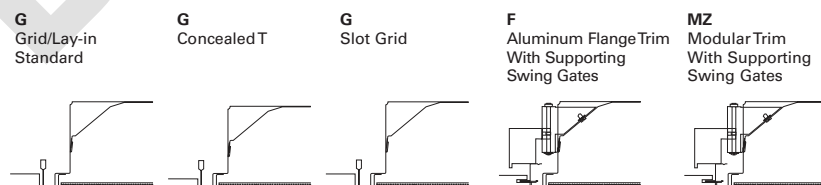
Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G
Flange	F
Concealed "T" or "Z"	MZ
Metal Pan	MZ

(Verify compatibility/ consult Pre Sales Technical Support.)

ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
328T5 (96)
354T5 (185)

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.
**Consult Pre Sales Technical Support.

LINEAR DISCONNECT
Designed to provide safe and convenient means of disconnecting power

ORDERING INFORMATION

SAMPLE NUMBER: 2GC-WO-328T5A-UNV-EBT2-U

Rating
Blank= Standard
NY=New York Rated
ATW-SW4= Chicago Rated

Width
2=2' Width

Trim Type
G=Grid/Lay-in (Standard)[1]
G=Concealed T
G=Slot Grid
F=Aluminum Flange Trim[5]
MZ=Modular Trim
EMZ=Modular Trim (Extended Swing Arm)

Series
C=Specification Deep Troffer

Door Frame
Standard=Flat White Steel Door (Leave Blank)
FA=Flush White Extruded Aluminum c/w Spring Latch
RA=Regressed White Extruded Aluminum (3/8")
FAN=Flush Natural Anodized Extruded Aluminum
RAN=Regressed Natural Anodized Extruded Aluminum (3/8")
FAB=Flush Black Extruded Aluminum
RAB=Regressed Black Extruded Aluminum (3/8")

White Optics
WO=97% Reflective White Optics Finish

Number of Lamps[6]
3=3 Lamps

Wattage
28T5=28W T5 (48")
54T5=54W T5HO (48")

Shielding
A=#12 Acrylic Pattern
A125=#12 Pattern Acrylic (.125" Thickness)
A19/156=#19 Pattern Acrylic (.156" Thickness)
DA=Dropped Dish Matte White Acrylic
IMA48=Injection Molded Acrylic (.150" Thickness)

Option – Aluminum Flange Trim[5]
Blank=SW (Single White)
Type | Color
'S' Single | 'N' Natural
'R' In Row | 'W' White
'E' End of Row

Voltage[2]
120V=120 Volt
277V=277 Volt
347V=347 Volt
UNV=Universal Voltage 120-277[3]

Options
GL=Single Element Fuse
GM=Double Element Fuse
Flex=Flex Installed (Reference Flex ordering information)
EL=Emergency Installed[4], [12]

Ballast Type
EBT__ =T5 or T5HO Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor=1.0
Ballast/Factor Type
EBT__N=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Normal Ballast Factor=.90 [7]
EBT__H=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor=1.15 [8]
EBT__NDIM=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, Normal Ballast Factor=.95-1.0 [10]
EBT__HDIM=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, High Ballast Factor=1.15
Fifth Light DALI Ballasts[9]
5LT5__ =T5 DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0
5LT5H__=T5HO DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0

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

Options
20GA/REP=20 Gauge Housing w/Riveted End Plate
PAF=Painted After Fabrication

Packaging
U=Unit Pack
PAL=Palletized Uncartoned Fixtures
PALC=Palletized Fixtures in Carton

ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips[1]

NOTES: [1] An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. [2] Products also available in non-US voltages and frequencies for international markets. [3] Not available when specifying emergencies, voltage must be specific. [4] Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack. [5] Specify row configuration, type in catalog number when ordering complete fixture. [6] Standard off-center ballast on 3-lamp fixtures. [7] .90 ballast factor available for 2 or 3 14W T5 or 28W T5 lamps only. [8] 1-Lamp ballast in a High Ballast factor not available. [9] For a complete listing of Fifthlight Technology products and other solutions from Cooper Controls, visit www.coopercontrol.com. [10] 1-Lamp step dimming ballast in a Normal Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp. [11] 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system. [12] Please specify required voltage, 120V or 277V.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
2GC-WO-328T5A	31 lbs.
2GC-WO-354T5A	31 lbs.

COOPER
Lighting Solutions

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Specifications and dimensions
subject to change without notice.

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