

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.

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. KO's 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

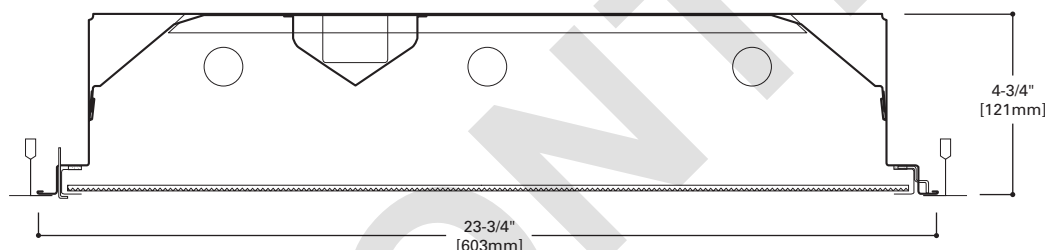
Positive Cam latch with baked enamel finish. Safety-lock T-hinges allow hinging and latching either side.

Frame/Shielding

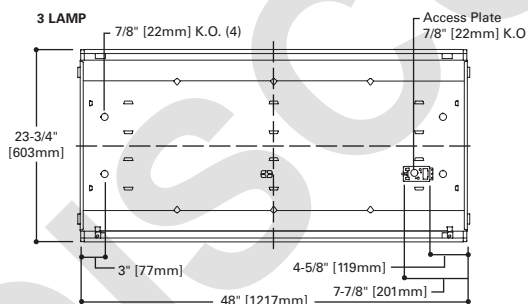
Die formed, heavy gauge, flat steel door with reinforced mitered corners and baked white enamel finish. Positive light seals. Light stabilized 100% virgin acrylic prismatic shielding. Standard #12 pattern. Optional shielding available.

Controls

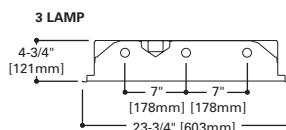
Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Controls (www.coopercontrol.com) to maximize energy savings.



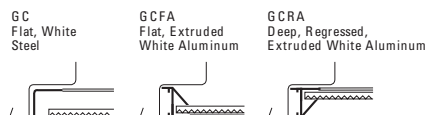
MOUNTING DATA



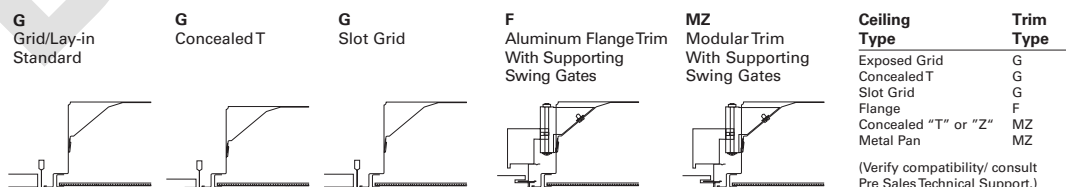
LAMP CONFIGURATIONS



DOOR FRAMES



CEILING COMPATIBILITY



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.)



2GC
328T8
332

2' X 4' TROFFER
3 T8 LAMPS

Specification Deep Troffer

whiteoptics™



IMPROVING LIGHTING EFFICIENCY AND DESIGN

powered by

fifthlight
technology

ENERGY DATA

Input Watts:

EB Ballast & STD Lamps

328T8 (67)

332 (81)

EB Ballast & STD Lamps

328T8 (73)

332 (86)

Luminaire Efficacy Rating

LER = FL-67

Catalog Number: 2GC-332A

Yearly Cost of 1000 lumens,

3000 hrs at .08 KWH = \$3.58

*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-332A-UNV-EB81-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⁽⁶⁾
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**⁽⁷⁾
 3=3 Lamps

Wattage ⁽⁴⁾
28T8=28W T8 (48")
32=32W T8 (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 ⁽⁶⁾
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 ^{(6), (12)}

Ballast Type

EB8_ =T8 Electronic Start.
 Total Harmonic Distortion < 10%
EB8_ /**PLUS**=T8 Electronic Start.
 Total Harmonic Distortion
 < 10%. High Ballast Factor
 > 1.15.

ER8_ =T8 Electronic Program Rapid
 Start. Total Harmonic Distortion <
 10%

High Performance T8 Ballasts

HB8_ =T8 Electronic Instant Start.
 Total Harmonic Distortion < 10%.
 Standard Ballast Factor .86 – .88

HB8_ **L**=T8 Electronic Instant Start.
 Total Harmonic Distortion <
 10%. Low Ballast Factor
 .77 – .82

HB8_ **N**=T8 Electronic Instant Start.
 Total Harmonic Distortion <
 10%. Normal Ballast Factor 1.0

HB8_ **H**=T8 Electronic Instant Start.
 Total Harmonic Distortion <
 10%. High Ballast Factor
 1.15 – 1.20

HR8_ **T8** Electronic Program Rapid
 Start. Total Harmonic Distortion <
 10%. Standard Ballast Factor
 .86 – .88

HR8_ **DIM**=T8 Electronic Program Rapid
 Start. Total Harmonic
 Distortion < 10%. Step
 Dimming. Ballast Factor .88

HR8_ **L**=T8 Electronic Program Rapid
 Start. Total Harmonic Distortion
 < 10%. Low Ballast Factor
 .71 – .79

HR8_ **H**=T8 Electronic Program Rapid
 Start. Total Harmonic Distortion
 < 10%. High Ballast Factor
 1.15 – 1.20

0-10V Dimming Ballasts ⁽⁹⁾

SLTV8_ =T8 0-10V Program Rapid Start.
 Total Harmonic Distortion <
 10%. Ballast Factor 0.87 ^{(10), (11)}

Fifth Light DALI Ballasts ⁽⁸⁾

SLT8_ =T8 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

RLS=Rotor Lock Socket
 (T8 Lamp only)
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⁾ When utilizing 28W T8 lamps, HPT8 Ballast must be specified. 32W lamps are 90 CRI only.

⁽⁵⁾ Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack.

⁽⁶⁾ Specify row configuration, type in catalog number when ordering complete fixture.

⁽⁷⁾ Standard off-center ballast on 3-lamp fixtures.

⁽⁸⁾ For a complete listing of FifthlightTechnology products and other solutions from Cooper Controls, visit www.coopercontrol.com.

⁽⁹⁾ 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system.

⁽¹⁰⁾ Standard 0-10V ballast not available for 28W T8 lamps.

⁽¹¹⁾ Voltage must be specified for Standard 0-10V 32W 3 and 4-lamp ballast. 4-lamp ballast versions must be 277V.

⁽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-328T8A	31 lbs.
2GC-WO-332A	31 lbs.