



# Ordering Information

(under flap)



**Lightolier®**  
A Genlyte Thomas Company

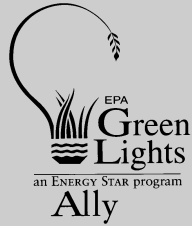
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A.I.A. Division 16  
Brochure 29113

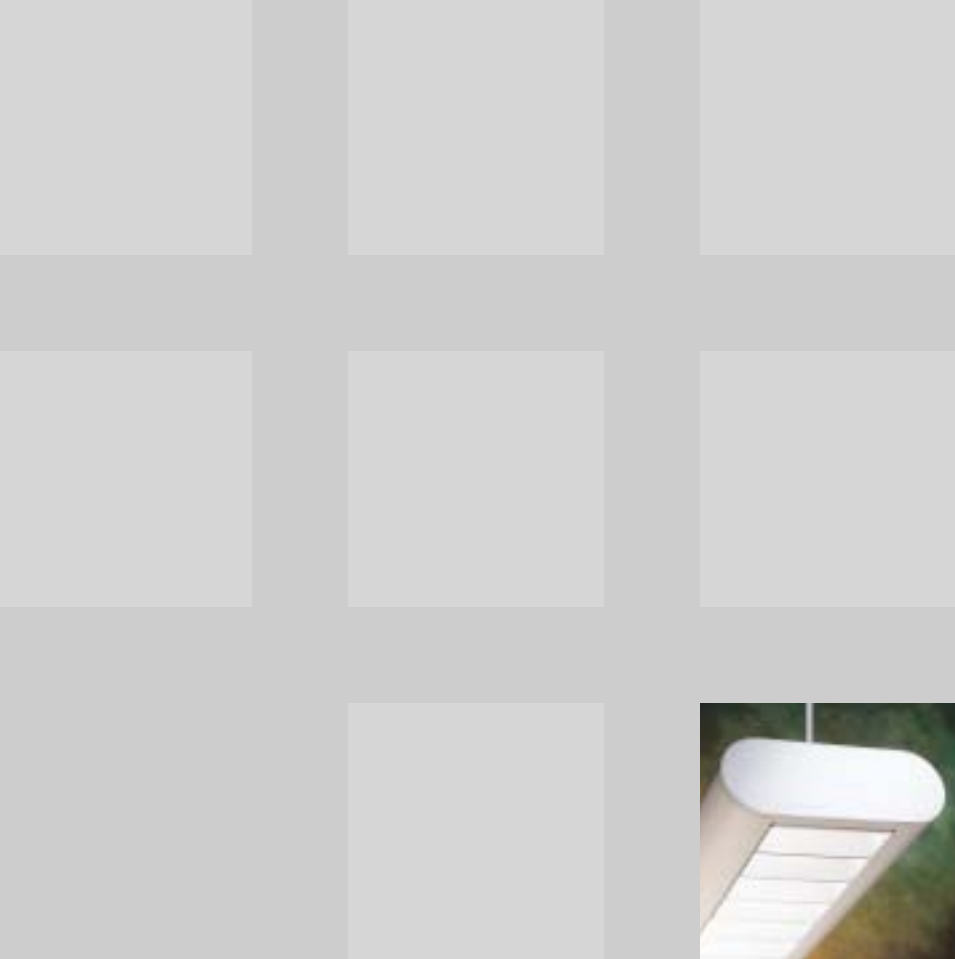
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# Lowprofile CD7

## Lowprofile™ CD7

*An elegant design engineered for high performance.*



LIGHTOLIER®

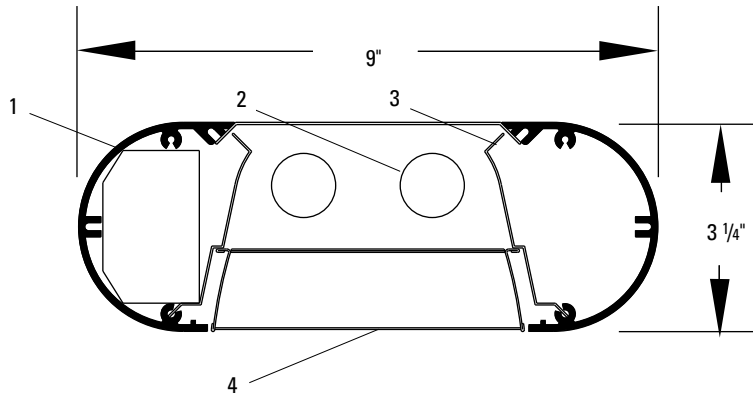


CD7 with Louver



CD7 with Lens

Specifications



- 1 Housing:** Extruded aluminum. Die-cast end cap mechanically attached with no exposed fasteners. Concealed access holes in end plate for through wiring.
- 2 Lamping:** One, two or three T8 fluorescent lamps, as specified. Provided by others.
- 3 Reflector:** Accurate parabolic-shaped, die-formed semi-specular anodized aluminum reflector.
- 4 Shielding:** Louver or Lens as specified. Louver: parabolic-shaped, die formed semi-specular anodized aluminum. Provides low brightness in lengthwise and crosswise views with 37 degree shielding lengthwise. Concealed latches operate from either side. Lens: extruded 100% acrylic clear prismatic lens.

Electrical

-  Specify 120 volt or 277 volt. 3 conductor, 12 gauge wire. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Rapid start, HPF, class “P” thermally protected. PowerSpec® HDF dimming ballast is available.

Mountings

-  **Cable Suspension** (not shown) – 4 1/2" diameter flat canopy finished enamel white, 1/16" diameter stainless steel aircraft cable adjustable up to 36", adjustable cable gripper.
- Stem Mounting** (not shown) – 4 1/2" diameter flat canopy finished enamel white. 1/2" diameter stem. Chrome plate or white finish. Can be cut to length on job. Self-aligning swivel provides adjustability up to 38 degrees. The stem assembly shall meet or exceed the requirements set forth in the State of California Uniform Building Code for suspended lighting fixtures installed in seismic zone four.

Surface and wall mounting (not shown) – consult factory.

Finish

-  Powder coated baked white enamel. Custom colors available, consult factory.

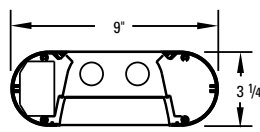
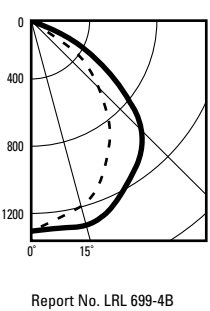
Options & Accessories

Fusing, two circuit switching, emergency batteries available – consult factory.

Labels

UL, ULc and IBEW.

CD7 Direct Louver



- CD7-1:** 1 lamp T8  
67.7% efficiency, 0% ^ 100% v
  - CD7-2:** 2 lamp T8  
53.0% efficiency, 0% ^ 100% v
  - CD7-3:** 3 lamp T8  
47.5% efficiency, 0% ^ 100% v
- All performance data shown are for 2 lamp T8. For other lamping options please refer to spec sheets.

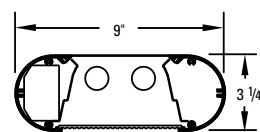
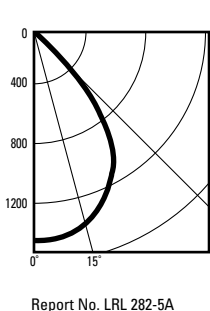
|                   | % Wall Reflectance |    |    |
|-------------------|--------------------|----|----|
|                   | 50                 | 30 | 10 |
| Room Cavity Ratio | 0                  | 63 | 63 |
| 1                 | 58                 | 56 | 55 |
| 2                 | 53                 | 54 | 49 |
| 3                 | 49                 | 46 | 44 |
| 4                 | 45                 | 41 | 39 |
| 5                 | 41                 | 38 | 35 |
| 6                 | 38                 | 34 | 31 |
| 7                 | 34                 | 31 | 28 |
| 8                 | 31                 | 28 | 25 |
| 9                 | 29                 | 25 | 22 |
| 10                | 25                 | 21 | 19 |

Application Data

| Fixture Spacing             | Footcandles | Watt/Sq Ft |
|-----------------------------|-------------|------------|
| 50' x 70' Space             |             |            |
| 8' x 8' (64 sq ft/fixture)  | 35          | 1.0        |
| 8' x 10' (80 sq ft/fixture) | 17          | 0.8        |
| 12' x 16' x 8.5' Space      |             |            |
| 6' x 8' (48 sq ft/fixture)  | 34          | 1.2        |
| 8' x 8' x 8.5' Space        |             |            |
| 8' x 8' (64 sq ft/fixture)  | 19          | 1.0        |

Reflectances: 80% Ceiling, 50% Wall, 20% Floor  
Light Loss Factor = .75 (.88 BF x 8.5)

CD7 Direct Lens



- CD7-4:** 1 lamp T8  
53.9% efficiency, 0% ^ 100% v
  - CD7-5:** 2 lamp T8  
45.7% efficiency, 0% ^ 100% v
  - CD7-6:** 3 lamp T8  
49.3% efficiency, 0% ^ 100% v
- All performance data shown are for 2 lamp T8. For other lamping options please refer to spec sheets.

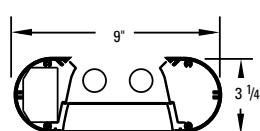
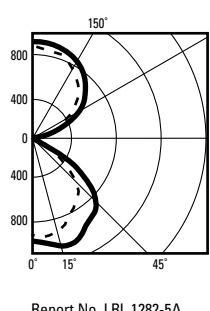
|                   | % Wall Reflectance |    |    |
|-------------------|--------------------|----|----|
|                   | 50                 | 30 | 10 |
| Room Cavity Ratio | 0                  | 54 | 54 |
| 1                 | 49                 | 48 | 47 |
| 2                 | 45                 | 43 | 41 |
| 3                 | 42                 | 39 | 37 |
| 4                 | 38                 | 35 | 33 |
| 5                 | 35                 | 32 | 30 |
| 6                 | 32                 | 29 | 27 |
| 7                 | 30                 | 27 | 24 |
| 8                 | 27                 | 24 | 22 |
| 9                 | 25                 | 22 | 20 |
| 10                | 22                 | 19 | 17 |

Application Data

| Fixture Spacing             | Footcandles | Watt/Sq Ft |
|-----------------------------|-------------|------------|
| 50' x 70' x 8.5' Space      |             |            |
| 8' x 8' (64 sq ft/fixture)  | 38          | 1.0        |
| 8' x 10' (80 sq ft/fixture) | 18          | 0.8        |
| 12' x 16' x 8.5' Space      |             |            |
| 6' x 8' (48 sq ft/fixture)  | 36          | 1.2        |
| 8' x 8' x 8.5' Space        |             |            |
| 8' x 8' (64 sq ft/fixture)  | 21          | 1.0        |

Reflectances: 80% Ceiling, 50% Wall, 20% Floor  
Light Loss Factor = .75 (.88 BF x 8.5)

CD7 Direct/Indirect Louver



- CD7-7:** 1 lamp T8  
80.3% efficiency, 53.5% ^ 46.5% v
  - CD7-8:** 2 lamp T8  
78.9% efficiency, 55.8% ^ 44.2% v
  - CD7-9:** 3 lamp T8  
79.9% efficiency, 55.3% ^ 44.7% v
- All performance data shown are for 2 lamp T8. For other lamping options please refer to spec sheets.

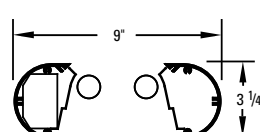
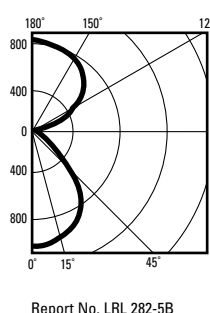
|                   | % Wall Reflectance |    |    |
|-------------------|--------------------|----|----|
|                   | 50                 | 30 | 10 |
| Room Cavity Ratio | 1                  | 74 | 72 |
| 2                 | 66                 | 62 | 59 |
| 3                 | 59                 | 54 | 50 |
| 4                 | 53                 | 48 | 43 |
| 5                 | 48                 | 42 | 38 |
| 6                 | 43                 | 37 | 33 |
| 7                 | 39                 | 33 | 29 |
| 8                 | 35                 | 29 | 25 |
| 9                 | 32                 | 26 | 22 |
| 10                | 28                 | 22 | 19 |

Application Data

|     | Ceiling Height | Susp. Dist. | Illum. (FC) | Max. Lum. | Lum. Ratio | W/ Sq Ft |
|-----|----------------|-------------|-------------|-----------|------------|----------|
| 10' | 9'             | 18'         | 72          | 123       | 8.3        | 1.5      |
| 12' | 10.5'          | 24'         | 60          | 92        | 7.4        | 1.3      |
| 8'  | 9'             | 18'         | 71          | 119       | 6.9        | 2.0      |
| 12' | 10.5'          | 24'         | 71          | 90        | 8.6        | 2.0      |

Reflectances: 80% Ceiling, 50% Wall, 20% Floor  
Light Loss Factor = .75 (.88 BF x 8.5)

CD7 Direct/Indirect Lens



- CD7-10:** 1 lamp T8  
84.1% efficiency, 57.8% ^ 42.2% v
  - CD7-11:** 2 lamp T8  
78% efficiency, 54.6% ^ 45.4% v
  - CD7-12:** 3 lamp T8  
83.6% efficiency, 54.6% ^ 45.4% v
- All performance data shown are for 2 lamp T8. For other lamping options please refer to spec sheets.

|                   | % Wall Reflectance |    |    |
|-------------------|--------------------|----|----|
|                   | 50                 | 30 | 10 |
| Room Cavity Ratio | 0                  | 83 | 83 |
| 1                 | 73                 | 71 | 68 |
| 2                 | 66                 | 62 | 58 |
| 3                 | 59                 | 54 | 50 |
| 4                 | 53                 | 48 | 43 |
| 5                 | 48                 | 42 | 38 |
| 6                 | 43                 | 38 | 34 |
| 7                 | 39                 | 34 | 30 |
| 8                 | 36                 | 30 | 26 |
| 9                 | 33                 | 27 | 24 |
| 10                | 29                 | 24 | 20 |

Application Data

|     | Ceiling Height | Susp. Dist. | Illum. (FC) | Max. Lum. | Lum. Ratio | W/ Sq Ft |
|-----|----------------|-------------|-------------|-----------|------------|----------|
| 10' | 9'             | 18'         | 71          | 123       | 8.4        | 1.5      |
| 12' | 10.5'          | 24'         | 59          | 92        | 7.5        | 1.3      |
| 8'  | 9'             | 18'         | 70          | 119       | 7.0        | 2.0      |
| 12' | 10.5'          | 24'         | 70          | 90        | 8.7        | 2.0      |

Reflectances: 80% Ceiling, 50% Wall, 20% Floor  
Light Loss Factor = .75 (.88 BF x 8.5)

Lowprofile CD7

*Sleek and compact, Lowprofile CD7 makes a dynamic design statement used individually or in graceful linear runs.*



When suspended, the Lowprofile CD7 appears to float in the environment. The bold design and full range of functions make the Lowprofile CD7 ideal for large open areas as well as contained spaces. Its attractive housing is made up of two die cast end caps connected by high quality aluminum extrusions.

Light shielding is by means of a high performance semi-specular parabolic louver or acrylic prismatic lens.

These quality materials combined with a highly efficient reflector system, make the Lowprofile CD7 ideal for settings requiring generous overall illumination as well as those where a soft ambience is to be combined with controlled task lighting. The Lowprofile is designed to provide both superior photometric performance in either indirect/direct or direct light distributions. Whether stem suspended, cable suspended or surface mounted, the Lowprofile CD7 provides high performance in an attractive package.

Architectural Profiles

Round

Square

Recessed

Cove

Accent

Custom

Lightolier Lighting Systems

Lightolier Lighting Systems are modular lighting systems that offer a wide selection of geometric shapes, architectural profiles, scales and finishes.

How to specify and order

How to Specify

| Style | Type                       | Lamps                      |
|-------|----------------------------|----------------------------|
| CD7   | 1 = Direct Louver          | 1 = 1 lamp 4'              |
|       | 2 = Direct Lens            | 2 = 2 lamp 4' or 1 lamp 8' |
|       | 3 = Direct/Indirect Louver | 3 = 3 lamp 4' (T8 only)    |
|       | 4 = Direct/Indirect Lens   | 4 = 2 lamp 8'              |
|       |                            | 6 = 3 lamp 8' (T8 only)    |

Example: CD713

How to Order

| Style | Type                                                                                                         | Mounting                                                       | Length                               | Total Lamps                                                                                                                                                                                                                                                                                                     | Color            | Ballast & Voltage                                                                                                                                                                                                                                                                                                                                            |
|-------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CD7   | <div>1 = Direct Louver<br/>2 = Direct Lens<br/>3 = Direct/Indirect Louver<br/>4 = Direct/Indirect Lens</div> | <div>1 = Surface<br/>2 = Cable<br/>3 = Stem<br/>4 = Wall</div> | <div>4 = 4 feet<br/>8 = 8 feet</div> | <div>1 = 1 Lamp per fixture (4' fixture only)<br/>2 = 2 Lamps per fixture (2 lamp cross section per 4') (1 lamp cross section per 8')<br/>3 = 3 Lamps per fixture (4' fixture only)<br/>4 = 4 Lamps per fixture (2 lamp cross section 8' only)<br/>6 = 6 Lamps per fixture (3 lamp cross section 8' only)</div> | <div>White</div> | <div>Blank = T12 Magnetic 120v<br/>2 = T12 Magnetic 277v<br/>E1 = T12 Electronic 120v<br/>E2 = T12 Electronic 277v<br/>E81 = T8 Electronic 120v<br/>E82 = T8 Electronic 277v<br/>HD1 = T8 PowerSpec HDF Dimming 120v<br/>HD2 = T8 PowerSpec HDF Dimming 277v<br/>M71 = T8 Electronic Dimming Ballast 120v<br/>M72 = T8 Electronic Dimming Ballast 277v</div> |

Example: CD71283WHE1

Individual Fixtures

- Order number of FIXTURES (fixture comes with end caps, mountings and power feeds).

Continuous Rows

- Determine run length. Fixtures can be bolted together and through wired to complete long runs.
- Order appropriate number of FIXTURES to complete the run.