

# Highly efficient with balanced illumination and simple to use.

## DDA5G12LL232 DEEPCEL PARABOLIC TROFFER



20" X 60" RECESSED FLUORESCENT  
12 CELL PARABOLIC LOUVER  
STATIC OR AIR SUPPLY/RETURN  
2 LAMP T8 OR T12

Full-length air slots and one-piece faceplate create clean lines and attractive ceiling appearance. The precise fitting 3" deep louver provides good glare control.

Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Catalog No: \_\_\_\_\_  
Fixture Type: \_\_\_\_\_  
Mfg: \_\_\_\_\_ Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Ordering Guide

Explanation of Catalog Number Example: DDA5G12LL232120SO

| Recessed<br>Fluorescent | Body<br>Style                                   | Fixture<br>Width | Ceiling<br>Type                                                | Num.<br>of Cells                                   | Louver<br>Finish                                                                            | Ballast<br>Cover                                            | Lamp<br>Qty.          | Lamp/<br>Fixture<br>Length                         | Voltage                                                                                 | Ballast Type                                                                    | Options                                        |
|-------------------------|-------------------------------------------------|------------------|----------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------|
| <b>DD</b>               |                                                 | <b>5</b>         |                                                                |                                                    |                                                                                             | <b>L</b>                                                    | <b>2</b>              |                                                    |                                                                                         |                                                                                 |                                                |
| Deepcel                 | <b>A</b> = Air<br>Handling<br><b>S</b> = Static | <b>5</b> = 20"   | <b>G</b> = Grid<br>(Lay-in T-bar)<br><b>T</b> = Narrow<br>Grid | <b>12</b> =<br>12 cells<br><b>18</b> =<br>18 cells | <b>L</b> = Low<br>Iridescence<br>Semi Specular<br><b>P</b> = Low<br>Iridescence<br>Specular | Louver<br>Mounting<br>Method<br><b>L</b> = Lay-in<br>Louver | <b>2</b> = 2<br>Lamps | <b>32</b> = T8<br><b>34</b> = T12<br>(Nominal 48") | <b>UNV</b> =<br>120/277V<br><b>120</b> = 120V<br><b>277</b> = 277V<br><b>347</b> = 347V | <b>LE</b> = T12 Magnetic<br><b>SO</b> = T8 Electronic<br><b>PS</b> = T8 Dimming | Add<br>appropriate<br>suffix to<br>catalog No. |

# DDA5G12LL232

## DEEPCEL PARABOLIC TROFFER

### Features

- Only 6.5" deep.
- Faceplate made with die-formed 20 gauge cold rolled steel with edges hemmed for rigidity.
- Precise fitting 3" deep louver.
- Easily removable ballast cover.
- Twin knockout access plate.
- Fixture efficiency 66.4%.

### Specifications

**Performance:** In an installation of 2 lamp 32W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than 0.72. To prevent veiling reflectances, luminaire output in the 30°–90° zone shall not be less than 66.9%.

**Materials:** Chassis parts are die-formed code gauge cold rolled steel. Faceplate is die-formed 20 gauge cold rolled steel with the edges hemmed for rigidity.

**Louver:** Post anodized aluminum.

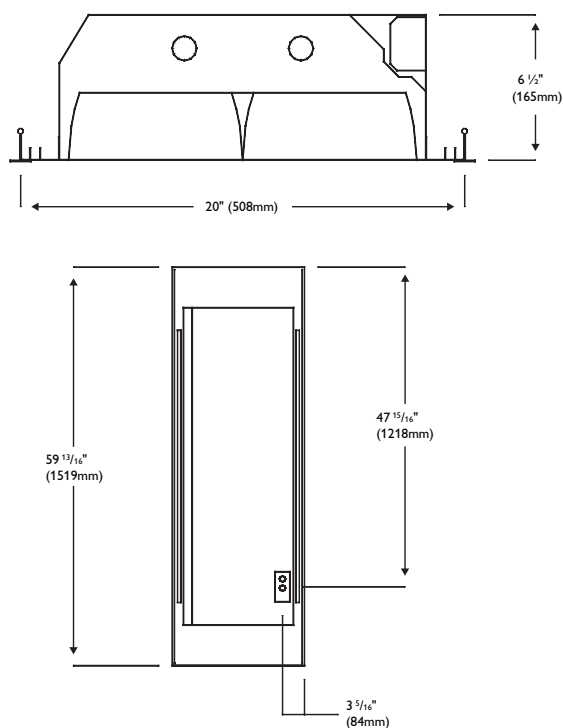
**Finish:** Chassis exterior white baked polyester powder coat. Louver, low iridescence semi-specular.

**Electrical:** Rapid start HPF, thermally protected class "P" ballast C.B.M. certified by E.T.L. If K.O. is within 3" of ballast, use wire suitable for at least 90° (194°F).

**Labels:** Listed by CSA.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org)

### Dimensions



# DDA5G12LL232

## DEEPCEL PARABOLIC TROFFER

### Performance

Report Number: LSC4265

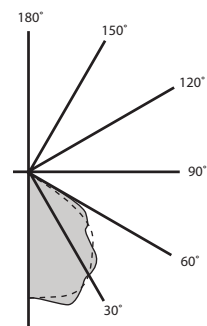
Catalog No: DDA5G12LL232120SO

Lamp Type: 2 F32/35K T8

Lumens per Lamp: 2900

Lumen Input Watts: 90.1

Total Efficiency: 66.4%



#### Candela Distribution

| Angle | Along | 22.5 | 45.0 | 67.5 | Across | Output Lumens |
|-------|-------|------|------|------|--------|---------------|
| 0     | 1535  | 1535 | 1535 | 1535 | 1535   | 148           |
| 5     | 1526  | 1539 | 1555 | 1563 | 1563   |               |
| 10    | 1506  | 1533 | 1565 | 1598 | 1606   |               |
| 15    | 1459  | 1503 | 1575 | 1639 | 1664   |               |
| 20    | 1404  | 1463 | 1583 | 1641 | 1642   |               |
| 25    | 1340  | 1411 | 1549 | 1555 | 1544   | 685           |
| 30    | 1252  | 1359 | 1445 | 1406 | 1435   |               |
| 35    | 1156  | 1280 | 1309 | 1342 | 1394   |               |
| 40    | 1045  | 1180 | 1182 | 1248 | 1201   |               |
| 45    | 924   | 1047 | 1079 | 988  | 968    |               |
| 50    | 777   | 885  | 887  | 852  | 927    | 813           |
| 55    | 631   | 704  | 662  | 764  | 831    |               |
| 60    | 454   | 508  | 524  | 627  | 659    |               |
| 65    | 240   | 283  | 321  | 301  | 247    |               |
| 70    | 51    | 71   | 115  | 61   | 43     |               |
| 75    | 27    | 27   | 31   | 14   | 13     | 34            |
| 80    | 11    | 9    | 5    | 8    | 7      |               |
| 85    | 3     | 0    | 0    | 2    | 0      |               |
| 90    | 0     | 0    | 0    | 0    | 0      |               |

#### Coefficients of Utilization

| RC                | 80%                                                             |    |    |    | 50% |    |    |    | 30% |    |    |  |
|-------------------|-----------------------------------------------------------------|----|----|----|-----|----|----|----|-----|----|----|--|
| RW                | 70                                                              | 50 | 30 | 10 | 50  | 30 | 10 | 50 | 30  | 10 |    |  |
| RCR               | Zonal Cavity Method<br>Effective Floor Cavity Reflectance = .20 |    |    |    |     |    |    |    |     |    |    |  |
| Room Cavity Ratio | 1                                                               | 74 | 72 | 70 | 68  | 67 | 66 | 64 | 65  | 64 | 62 |  |
|                   | 2                                                               | 69 | 65 | 61 | 58  | 61 | 58 | 56 | 59  | 57 | 55 |  |
|                   | 3                                                               | 64 | 58 | 54 | 50  | 55 | 52 | 49 | 54  | 51 | 48 |  |
|                   | 4                                                               | 59 | 52 | 47 | 44  | 50 | 46 | 43 | 48  | 45 | 42 |  |
|                   | 5                                                               | 54 | 47 | 41 | 38  | 45 | 40 | 37 | 43  | 40 | 37 |  |
|                   | 6                                                               | 50 | 42 | 37 | 33  | 40 | 36 | 32 | 39  | 35 | 32 |  |
|                   | 7                                                               | 46 | 38 | 33 | 29  | 36 | 32 | 28 | 35  | 31 | 28 |  |
|                   | 8                                                               | 42 | 34 | 29 | 25  | 33 | 28 | 25 | 32  | 28 | 25 |  |
|                   | 9                                                               | 39 | 31 | 25 | 22  | 29 | 25 | 21 | 29  | 24 | 21 |  |
|                   | 10                                                              | 36 | 28 | 22 | 19  | 27 | 22 | 19 | 26  | 22 | 19 |  |

#### Luminance Data in Candela / Sq. Meter

| Angle | Along | 45   | Across |
|-------|-------|------|--------|
| 45    | 2903  | 3404 | 3053   |
| 55    | 2444  | 2574 | 3231   |
| 65    | 1259  | 1693 | 1304   |
| 75    | 227   | 263  | 108    |
| 85    | 66    | 0    | 134    |

#### Zonal Lumen Summary

| Zone   | Lumens | % Lamp | % Luminaire |
|--------|--------|--------|-------------|
| 0-30   | 1276   | 22.00  | 33.11       |
| 0-40   | 2088   | 36.01  | 54.19       |
| 0-60   | 3518   | 60.67  | 91.31       |
| 0-90   | 3854   | 66.45  | 100.00      |
| 40-90  | 1765   | 30.44  | 45.81       |
| 60-90  | 335    | 5.73   | 8.69        |
| 90-180 | 0      | .00    | .00         |
| 0-180  | 3854   | 66.45  | 100.00      |

### Options/Accessories

**Drywall Kit:** For plaster frames, order Cat. No.: **FK920X5**

**Internal Fusing:** Consult your Philips Lighting representative.

**Radio Interference Filter:** 120, 277 or 347 volt, 50 or 60 Hz.  
SUFFIX: **R**.

**Emergency Lighting System:** SUFFIX: **O**  
(e.g. DDA5G12LL232120SOO)

Emergency battery pack with charger.  
(90 minutes at 15% of lumens for 1 lamp).

**Louver Finish:** Low iridescence, semi-specular is standard.



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Specifications are subject to change without notice.  
[www.philips.com/luminaires](http://www.philips.com/luminaires)

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