

8.5" ROUND DOWNLIGHT – VERTICAL LAMP

PV85

CFL

| | |
|------------|--------|
| CATALOG #: | TYPE: |
| PROJECT: | NOTES: |

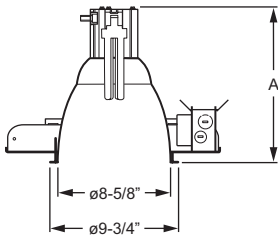
EXAMPLE **PV85 - 1 32T - CS - OPTIONS - EB1 - UNV**

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SERIES NUMBER OF LAMPS WATTAGE/TYPE REFLECTOR FINISH OPTIONS BALLAST TYPE VOLTAGE



CROSS SECTION



| Wattage/Type | Dim. A |
|--------------|-----------|
| 18T | 10-3/16" |
| 26Q | 11-13/16" |
| 26T | 10-11/16" |
| 32T | 11-5/16" |
| 42T | 11-13/16" |

ORDERING INFORMATION

SERIES
PV85 8.5" Round Downlight–Vertical Lamp

| # OF LAMPS | WATTAGE/TYPE |
|------------|----------------------------|
| 1 | 18T, 26Q, 26T, 32T, or 42T |

REFLECTOR FINISH

| | |
|------------|-----------------------------------|
| CS | Clear semi-specular (standard) |
| SPC | Clear specular |
| CG | Champagne gold |
| GD | Gold |
| PW | Pewter |
| SG | Satin-glow |
| STR | Straw |
| WH | Painted white reflector, textured |
| WT | Wheat |

OPTIONS

For EM and EM/ITS ballast options, see [Technical Info](#). (EM is not available with RETRO option. EM/ITS option is not available with CP or YOKE options).

| | |
|-------------|---|
| F | Fuse (must specify voltage) |
| MWT | Matte white trim |
| MB | Micro-baffle |
| YOKE | Yoke mount reflector (not available with EM/ITS option) |
| CP | Chicago Plenum (CCEA) (not available with EM/ITS) |

OPTIONS (Continued)

| | |
|---------------|---|
| AC/CGS | Accent cone with clear glass lens (acrylic or polycarbonate lens options also available). |
| AC/CPG | Accent cone with clear prismatic tempered glass lens |
| MB/CGS | Micro-baffle with clear glass lens (acrylic or polycarbonate lens options also available). |
| MB/CPG | Micro-baffle with clear prismatic tempered glass lens |
| SCA__° | Sloped ceiling adapter (Specify degree of slope in 5° increments, 10°-30°. SCA increases fixture height, see Technical Info for details.) |
| RETRO | Retrofit mounting pan assembly (see Technical Info for details; not available with EM option) |

BALLAST TYPE

| | |
|----------------|---|
| EB1 | 1-lamp electronic ballast |
| EBD1*__ | 1-lamp electronic dimming ballast (must specify 120V or 277V only; must specify manufacturer, see Technical Info for dimming ballast options) |

VOLTAGE

| | |
|------------|----------|
| 120 | 120V |
| 277 | 277V |
| UNV | 120-277V |

FEATURES

- ▶ Self-flanged aluminum reflector prevents light leaks and is available in assorted colors.
- ▶ Finned, extruded aluminum heat sink socket housing dissipates heat for cooler operation.
- ▶ Adjustable hanger brackets with bar hangers standard.
- ▶ Easy-access, 14-gauge galvanized steel junction box with two snap-on covers.
- ▶ This fixture is proudly made in the USA.



PV85

8.5" ROUND DOWNLIGHT – VERTICAL LAMP

CFL

PHOTOMETRY INFORMATION

Catalog #: **PV85-132T-120-EB**

SPECIFICATIONS

Housing – 20-gauge, die-formed, galvanized steel pan/plaster frame.

Reflector – Low-iridescent aluminum. Clear semi-specular (CS) finish standard.

Electrical – Electronic ballast. Prewired at factory for easy field installation.

Mounting – Recessed.

Pan size: 12" x 16-1/4" Ceiling cutout: ø9-1/8"

Pan size w/SCA: 17" x 23"

Cutout w/SCA: ø12-1/2"

Labels –

- UL/CUL listed for through-branch circuit wiring and dry or damp locations.
- UL/CUL listed for wet location under covered ceiling when specified with ___/CGS or ___/CPG option.
- City of Chicago Environmental Air approved when specified with CP option.

Warranty – 5-year limited warranty, see hew.com/warranty.

TEST REPORT INFORMATION

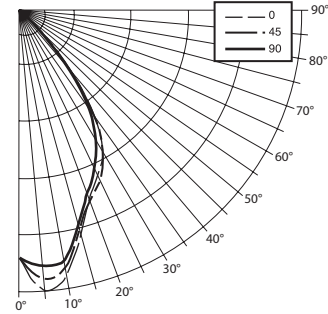
- Test Report #: 10430.0
- Date: 08/27/99
- Lamp Type: CFM32W/GX24q/35
- Lamp Quantity: 1
- Rated Lumens: 2400.

DESCRIPTION

- 1/32W PLT Compact Fluorescent Lamp
- 8.5" Diameter Recessed Luminaire
- Low-Iridescent Semi-Specular Reflector with Open Bottom

CANDLEPOWER DISTRIBUTION

| Vertical Angle | Horizontal Angle | | | Zonal Lumens |
|----------------|------------------|-------|-------|--------------|
| | 0° | 45° | 90° | |
| 0° | 1272. | 1272. | 1272. | |
| 5° | 1439. | 1380. | 1312. | 130.7 |
| 15° | 1199. | 1163. | 1146. | 329.8 |
| 25° | 941. | 965. | 900. | 434.7 |
| 35° | 671. | 678. | 627. | 414.0 |
| 45° | 139. | 154. | 146. | 106.2 |
| 55° | 5. | 5. | 5. | 4.5 |
| 65° | 1. | 1. | 1. | 1.0 |
| 75° | 0. | 0. | 0. | .0 |
| 85° | 0. | 0. | 0. | .0 |
| 90° | 0. | 0. | 0. | |



LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixture |
|-------------------------|--------|--------|-----------|
| 0 - 30 | 895. | 37.3 | 63.0 |
| 0 - 40 | 1309. | 54.6 | 92.1 |
| 0 - 60 | 1420. | 59.2 | 99.9 |
| 0 - 90 | 1421. | 59.2 | 100.0 |
| Total Luminaire: | | | |
| 0 - 180 | 1421. | 59.2 | 100.0 |

IES Spacing Criteria: End = 1.0
Diagonal = 1.0
Across = 1.0

ZONAL CAVITY COEFFICIENTS

| | Ceiling | | | | | | | | | | |
|-------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | .80 | .70 | | .50 | | .30 | | .10 | | .00 | |
| Room Cavity Ratio | Wall | .70 | .50 | .30 | .70 | .50 | .30 | .50 | .30 | .10 | |
| | 0 | .70 | .70 | .70 | .69 | .69 | .69 | .66 | .66 | .66 | |
| | 1 | .67 | .66 | .64 | .66 | .65 | .63 | .62 | .61 | .60 | |
| | 2 | .64 | .61 | .59 | .63 | .60 | .58 | .58 | .57 | .55 | |
| | 3 | .61 | .57 | .54 | .60 | .56 | .54 | .55 | .53 | .51 | |
| | 4 | .58 | .53 | .50 | .57 | .53 | .50 | .51 | .49 | .47 | |
| | 5 | .55 | .50 | .46 | .54 | .49 | .46 | .48 | .45 | .43 | |
| | 6 | .52 | .47 | .43 | .51 | .46 | .43 | .45 | .43 | .40 | |
| | 7 | .49 | .44 | .40 | .48 | .43 | .40 | .43 | .40 | .37 | |
| | 8 | .46 | .41 | .37 | .46 | .40 | .37 | .40 | .37 | .34 | |
| | 9 | .44 | .38 | .34 | .43 | .37 | .34 | .37 | .34 | .31 | |
| 10 | .41 | .35 | .31 | .40 | .35 | .31 | .34 | .31 | .29 | | |

Effective Floor Cavity Reflectance = .20

QUANTITY ESTIMATOR

| Room Size | ±50 fc. | ±75 fc. | ±100 fc. |
|---------------------------|---------|---------|----------|
| 20' x 20' (400 sq. ft.) | 16 | 20 | 30 |
| 30' x 30' (900 sq. ft.) | 30 | 49 | 64 |
| 40' x 40' (1,600 sq. ft.) | 56 | 81 | 110 |

Calculations based on standard reflectance of 80/50/20 and a light loss factor of 1.0 with a 10'-0" ceiling height.

| LAMP BASE DATA | |
|----------------|---------|
| WATTAGE | BASE |
| 18T | GX24q-2 |
| 26Q | G24q-3 |
| 26T | GX24q-3 |
| 32T | GX24q-3 |
| 42T | GX24q-4 |

| REFLECTOR FINISH MULTIPLIER | | |
|-----------------------------|---------------------|-------------------|
| CATALOG NUMBER | REFLECTOR FINISH | CONVERSION FACTOR |
| CS | Clear semi-specular | 1.00 |
| SPC | Clear specular | 1.02 |
| CG | Champagne Gold | 0.96 |
| GD | Gold | 0.93 |
| PW | Pewter | 0.86 |
| SG | Satin-glow | 0.83 |
| STR | Straw | 0.97 |
| WH | White, textured | 0.90 |
| WT | Wheat | 0.88 |
| MB | Micro-baffle | 0.60 |

