

| Surface Cylinder (Complete Unit) |                        | Housing          | Lamp                          |
|----------------------------------|------------------------|------------------|-------------------------------|
| C4CEX20T4EU                      | Electronic 120V / 277V | Painted Aluminum | 20W T4.5 Ceramic Metal Halide |
| C4CEX39T4EU                      | Electronic 120V / 277V | Painted Aluminum | 39W T4.5 Ceramic Metal Halide |
| C4CEX20T4EUA                     | Electronic 120V / 277V | Satin Aluminum   | 20W T4.5 Ceramic Metal Halide |
| C4CEX39T4EUE                     | Electronic 120V / 277V | Satin Aluminum   | 39W T4.5 Ceramic Metal Halide |

### Features

- Glass Shroud:** Clear glass cylinder provides visual interest and a contemporary decorative element; glass diffuser and reflector exposed.
- Glass Diffuser:** Etched glass cylindrical diffuser provides cutoff to the light source delivering smooth even illumination.
- Cylinder Base Cover:** Powder coated (to match base) die-cast cover is removable to access wiring and ballast.
- Cylinder Base:** Powder coated matte silver die-cast aluminum base supports glass cylinder and conceals electrical components.
- Reflector:** Highly polished specular aluminum. Precisely controls and directs light downward providing high-efficiency optics.
- Lamp Shield:** High-temperature glass as required by code; captive during re-lamping. Light diffusion provides exceptionally smooth beam.
- Socket Housing:** Galvanized steel, pre-wired with G8.5 pulse rated socket. Snaps onto upper reflector for secure attachment without tools; unitized construction assures proper optical alignment of lamp to reflector.
- Electronic Ballast:** 20W / 39W electronic universal (120/277V)

### Electrical

**Electronic Ballast:** 120V/277V dual voltage, encased, high power factor, T.H.D., -15%, thermally and transient protected, RMI/RFI complies with FCC Part 18 non-consumer limits, shut-down circuit at end of lamp life, sound rating "A", -5° F minimum starting temperature, Type 1 outdoor rating.

| Ballast | ANSI Code | Voltage | Max. Amps | Input Watts |
|---------|-----------|---------|-----------|-------------|
| 20W MH  | M156      | 120/277 | 0.21/0.10 | 23          |
| 39W MH  | M130      | 120/277 | 0.39/0.17 | 44          |

### Options and Accessories

- CA4CWBS:** Wall Mount Kit – Silver.  
Cast aluminum back plate, suitable for mounting over 4" octagon outlet box.
- CACPS:** 120" Cable Pendant Kit – Silver.  
Cast aluminum back plate, suitable for mounting over 4" octagon outlet box. Provided with (3) 0.050" cables, power cable and 6 1/2" decorative plate. Installs over 4" octagon Outlet box. Cable can be cut to length on site.
- CACSS:** Stem Kit – Silver (45° Swivel, 37" Long).  
Provided with 5/8" dia. Stem and 5 1/2" Canopy. Self-aligning swivel provides max. 45° vertical tilting. Installs over 4" octagonal outlet box. Stem can be cut to length on site.
- CAEXPT:** Expo Rod & Trim Kit

### Labels

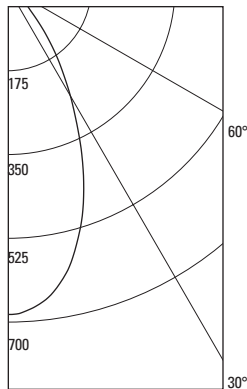
UL Listed (suitable for wet locations), CSA, I.B.E.W.

| Job Information  | Type: |
|------------------|-------|
| <b>Job Name:</b> |       |
| <b>Cat. No.:</b> |       |
| <b>Lamp(s):</b>  |       |
| <b>Notes:</b>    |       |

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### 20W T4.5 G.E. CERAMIC MH, LUMEN RATING = 1700 LMS., AROMAT 20W ELECTRONIC BALLAST

CANDLEPOWER DISTRIBUTION



| ANGLE | MEAN CP | LUMENS |
|-------|---------|--------|
| 0     | 684     |        |
| 5     | 670     | 63     |
| 10    | 629     |        |
| 15    | 557     | 157    |
| 20    | 465     |        |
| 25    | 360     | 168    |
| 30    | 263     |        |
| 35    | 183     | 117    |
| 40    | 115     |        |
| 45    | 65      | 57     |
| 50    | 49      |        |
| 55    | 48      | 43     |
| 60    | 46      |        |
| 65    | 44      | 43     |
| 70    | 41      |        |
| 75    | 37      | 39     |
| 80    | 33      |        |
| 85    | 29      | 32     |
| 90    | 25      |        |

LUMINANCE SUMMARY CD. / SQ. M.

| ANGLE | MEAN CD/SQ. M |
|-------|---------------|
| 45    | 5075          |
| 55    | 4571          |
| 65    | 5720          |
| 75    | 7871          |
| 85    | 18528         |

| ZONAL LUMENS AND PERCENTAGES |        |        |             |
|------------------------------|--------|--------|-------------|
| ZONE                         | LUMENS | % LAMP | % LUMINAIRE |
| 0-30                         | 387    | 22.79  | 53.92       |
| 0-40                         | 504    | 29.68  | 70.2        |
| 0-60                         | 604    | 35.54  | 84.08       |
| 0-90                         | 718    | 42.27  | 100         |
| 40-90                        | 214    | 12.6   | 29.8        |
| 60-90                        | 114    | 6.73   | 15.92       |
| 90-180                       | 0      | 0      | 0           |
| 0-180                        | 718    | 42.27  | 100         |

Coefficients of Utilization

| CEILING | 80%  |     |     |     | 70% |     | 50% |     | 30% |     |     |
|---------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|         | 70   | 50  | 30  | 10  | 50  | 10  | 50  | 10  | 50  | 10  |     |
| WALL    |  |     |     |     |     |     |     |     |     |     |     |
| RCR     | Zonal Cavity Method - Effective Floor Cavity Reflectance = 20% |     |     |     |     |     |     |     |     |     |     |
| 0       | .50  | .50 | .50 | .50 | .49 | .49 | .47 | .47 | .45 | .45 | .42 |
| 1       | .47  | .45 | .44 | .42 | .44 | .42 | .42 | .40 | .41 | .39 | .37 |
| 2       | .44  | .41 | .39 | .37 | .41 | .37 | .39 | .36 | .38 | .35 | .34 |
| 3       | .41  | .38 | .35 | .33 | .37 | .33 | .36 | .33 | .35 | .32 | .31 |
| 4       | .39  | .35 | .33 | .31 | .35 | .30 | .34 | .30 | .33 | .30 | .29 |
| 5       | .37  | .33 | .30 | .28 | .33 | .28 | .32 | .28 | .31 | .27 | .26 |
| 6       | .35  | .31 | .28 | .26 | .31 | .26 | .30 | .26 | .29 | .26 | .25 |
| 7       | .33  | .29 | .26 | .24 | .29 | .24 | .28 | .24 | .28 | .24 | .23 |
| 8       | .32  | .27 | .25 | .23 | .27 | .23 | .27 | .23 | .26 | .22 | .22 |
| 9       | .30  | .26 | .23 | .21 | .26 | .21 | .25 | .21 | .25 | .21 | .20 |
| 10      | .29  | .24 | .22 | .20 | .24 | .20 | .24 | .20 | .23 | .20 | .19 |

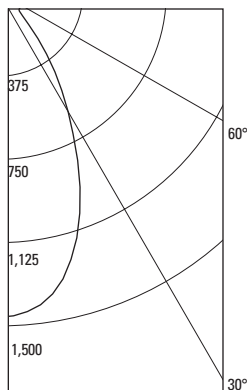
\*\* EFFICIENCY = 42.3% \*\*  
SC = .8

CERTIFIED TEST REPORT NO. 2616FR, DATE: MAY 10, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

LUMINAIRE INPUT WATTS = 23

### 39W T4.5 PHILIPS CERAMIC MH, LUMEN RATING = 3300 LMS., AROMAT 39W ELECTRONIC BALLAST

CANDLEPOWER DISTRIBUTION



| ANGLE | MEAN CP | LUMENS |
|-------|---------|--------|
| 0     | 1461    |        |
| 5     | 1441    | 137    |
| 10    | 1377    |        |
| 15    | 1243    | 349    |
| 20    | 1056    |        |
| 25    | 832     | 386    |
| 30    | 617     |        |
| 35    | 435     | 276    |
| 40    | 269     |        |
| 45    | 147     | 131    |
| 50    | 115     |        |
| 55    | 115     | 102    |
| 60    | 111     |        |
| 65    | 104     | 103    |
| 70    | 95      |        |
| 75    | 85      | 89     |
| 80    | 73      |        |
| 85    | 62      | 68     |
| 90    | 50      |        |

LUMINANCE SUMMARY CD. / SQ. M.

| ANGLE | MEAN CD/SQ. M |
|-------|---------------|
| 45    | 11431         |
| 55    | 11051         |
| 65    | 13572         |
| 75    | 17969         |
| 85    | 39439         |

| ZONAL LUMENS AND PERCENTAGES |        |        |             |
|------------------------------|--------|--------|-------------|
| ZONE                         | LUMENS | % LAMP | % LUMINAIRE |
| 0-30                         | 871    | 26.41  | 53.12       |
| 0-40                         | 1147   | 34.77  | 69.93       |
| 0-60                         | 1380   | 41.85  | 84.18       |
| 0-90                         | 1640   | 49.71  | 100         |
| 40-90                        | 493    | 14.95  | 30.07       |
| 60-90                        | 259    | 7.86   | 15.82       |
| 90-180                       | 0      | 0      | 0           |
| 0-180                        | 1640   | 49.71  | 100         |

Coefficients of Utilization

| CEILING | 80%  |     |     |     | 70% |     | 50% |     | 30% |     |     |
|---------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|         | 70   | 50  | 30  | 10  | 50  | 10  | 50  | 10  | 50  | 10  |     |
| WALL    |  |     |     |     |     |     |     |     |     |     |     |
| RCR     | Zonal Cavity Method - Effective Floor Cavity Reflectance = 20% |     |     |     |     |     |     |     |     |     |     |
| 0       | .59  | .59 | .59 | .59 | .58 | .58 | .55 | .55 | .53 | .53 | .50 |
| 1       | .55  | .53 | .51 | .50 | .52 | .49 | .50 | .47 | .48 | .46 | .44 |
| 2       | .52  | .49 | .46 | .44 | .48 | .43 | .46 | .42 | .44 | .41 | .39 |
| 3       | .49  | .45 | .42 | .39 | .44 | .39 | .43 | .38 | .41 | .38 | .36 |
| 4       | .46  | .42 | .38 | .36 | .41 | .36 | .40 | .35 | .39 | .35 | .33 |
| 5       | .43  | .39 | .35 | .33 | .38 | .33 | .37 | .32 | .36 | .32 | .31 |
| 6       | .41  | .36 | .33 | .30 | .36 | .30 | .35 | .30 | .34 | .30 | .29 |
| 7       | .39  | .34 | .31 | .28 | .34 | .28 | .33 | .28 | .32 | .28 | .27 |
| 8       | .37  | .32 | .29 | .26 | .31 | .26 | .31 | .26 | .30 | .26 | .25 |
| 9       | .35  | .30 | .27 | .25 | .30 | .25 | .29 | .24 | .29 | .24 | .23 |
| 10      | .33  | .28 | .25 | .23 | .28 | .23 | .28 | .23 | .27 | .23 | .22 |

\*\* EFFICIENCY = 49.7% \*\*  
SC = .8

CERTIFIED TEST REPORT NO. 2335FR, DATE: APRIL 19, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

LUMINAIRE INPUT WATTS = 44

**Job Information** **Type:**

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