

### Catalog Number

\_\_\_\_ FIXTURE

CEN1 - Centra 1

VOLTAGE 120 - 120 Volt

277 - 277 Volt

**MOUNTING** HRD - Surface mount, hard ceiling GRD - Surface mount, grid ceiling

DIM - Electronic dimming

EXAMPLE: CEN1-120-HRD

# Specifications

#### CONSTRUCTION

Fixture elements and ceiling reflector are anodized aluminum and chrome. Decorative ring is float glass.

#### FINISH

Steel rods, circular lamp housing and top plate have chromed finish.

#### SHIELDING

Downlight reflector is spun aluminum.

#### ELECTRICAL

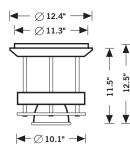
Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

#### LAMPING

Three 26 watt quad-pin fluorescent lamps. Lamps not included.

#### MOUNTING

Fixture is surface mounted. Specify grid or hard ceiling mount. Fixture is shipped fully assembled.





# énergie

% FIXT

16.2

30.2

47.6

49.3

50.7

100.0

1.7

ZONAL LUMEN SUMMARY

509.4

950.2

52.9

1496.4

1549.3

1595.1

3144.4

LUMENS % LAMP

9.4

17.6

27.7

1.0

28.7

29.5

58.2

ZONE

0 - 30

0 - 40

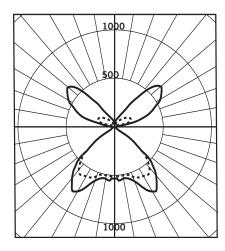
0 - 60

60 - 90

0 - 90

90 - 180 0 - 180

## **Photometrics**



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Description: Centra 1 with three 26 watt quad-pin fluorescent lamps.

Catalog Number: CEN1-120-HRD

Efficiency: 58.2%

#### **COEFFICIENTS OF UTILIZATION**

	8	80			70					50			10		
70	50	30	10	70	50	30	10		50	30	10	50	30	10	10
.62	.62	.62	.62	.57	.57	.57	.57		.48	.48	.48	.32	.32	.32	.29
.58	.55	.53	.52	.53	.51	.49	.48		.43	.42	.41	.30	.29	.29	.26
.53	.49	.46	.43	.49	.46	.43	.40		.39	.37	.35	.27	.26	.25	.23
.49	.44	.40	.37	.45	.41	.37	.34		.35	.32	.30	.24	.23	.22	.20
.45	.39	.35	.31	.41	.36	.33	.30		.31	.28	.26	.22	.21	.19	.17
.41	.35	.30	.27	.38	.34	.29	.26		.28	.25	.23	.20	.18	.17	.15
.38	.31	.27	.24	.35	.29	.25	.22		.25	.22	.20	.18	.17	.15	.14
.35	.28	.24	.21	.32	.27	.23	.20		.24	.20	.18	.17	.15	.14	.12
.33	.26	.21	.18	.30	.24	.20	.18		.21	.18	.16	.15	.13	.12	.11
.30	.23	.19	.16	.28	.22	.18	.16		.19	.16	.14	.14	.12	.11	.10
.28	.21	.17	.15	.26	.20	.16	.14		.18	.15	.13	.13	.11	.10	.09
	.62 .58 .53 .49 .45 .41 .38 .35 .33 .30	70         50           .62         .62           .58         .55           .53         .49           .49         .44           .45         .39           .41         .35           .38         .31           .35         .28           .33         .26           .30         .23	.62         .62         .62           .58         .55         .53           .53         .49         .46           .49         .44         .40           .45         .39         .35           .41         .35         .30           .38         .31         .27           .35         .28         .24           .33         .26         .21           .30         .23         .19	70         50         30         10           .62         .62         .62         .62           .58         .55         .53         .52           .53         .49         .46         .43           .49         .44         .40         .37           .45         .39         .35         .31           .41         .35         .30         .27           .38         .31         .27         .24           .35         .28         .24         .21           .33         .26         .21         .18           .30         .23         .19         .16	70         50         30         10         70           .62         .62         .62         .62         .57           .58         .55         .53         .52         .53           .53         .49         .46         .43         .49           .49         .44         .40         .37         .45           .45         .39         .35         .31         .41           .41         .35         .30         .27         .38           .38         .31         .27         .24         .35           .35         .28         .24         .21         .32           .33         .26         .21         .18         .30           .30         .23         .19         .16         .28	70         50         30         10         70         50           .62         .62         .62         .57         .57           .58         .55         .53         .52         .53         .51           .53         .49         .46         .43         .49         .46           .49         .44         .40         .37         .45         .41           .45         .39         .35         .31         .41         .36           .41         .35         .30         .27         .38         .34           .38         .31         .27         .24         .35         .29           .35         .28         .24         .21         .32         .27           .33         .26         .21         .18         .30         .24           .30         .23         .19         .16         .28         .22	70         50         30         10         70         50         30           .62         .62         .62         .57         .57         .57           .58         .55         .53         .52         .53         .51         .49           .53         .49         .46         .43         .49         .46         .43           .49         .44         .40         .37         .45         .41         .37           .45         .39         .35         .31         .41         .36         .33           .41         .35         .30         .27         .38         .34         .29           .38         .31         .27         .24         .35         .29         .25           .35         .28         .24         .21         .32         .27         .23           .33         .26         .21         .18         .30         .24         .20           .30         .23         .19         .16         .28         .22         .18	70         50         30         10         70         50         30         10           .62         .62         .62         .57         .57         .57         .57           .58         .55         .53         .52         .53         .51         .49         .48           .53         .49         .46         .43         .49         .46         .43         .40           .49         .44         .40         .37         .45         .41         .37         .34           .45         .39         .35         .31         .41         .36         .33         .30           .41         .35         .30         .27         .38         .34         .29         .26           .38         .31         .27         .24         .35         .29         .25         .22           .35         .28         .24         .18         .30         .24         .20         .18           .33         .26         .21         .18         .30         .24         .20         .18           .30         .23         .19         .16         .28         .22         .18         .16	70         50         30         10         70         50         30         10           .62         .62         .62         .57         .57         .57         .57           .58         .55         .53         .52         .53         .51         .49         .48           .53         .49         .46         .43         .49         .46         .43         .40           .49         .44         .00         .37         .45         .41         .37         .34           .45         .39         .35         .31         .41         .36         .33         .30           .41         .35         .30         .27         .38         .34         .29         .26           .38         .31         .27         .24         .35         .29         .25         .22           .35         .28         .24         .21         .32         .27         .32         .20           .33         .26         .21         .18         .30         .24         .20         .18           .30         .23         .19         .16         .28         .22         .18         .16	70         50         30         10         70         50         30         10         50           .62         .62         .62         .62         .57         .57         .57         .57         .48           .58         .55         .53         .52         .53         .51         .49         .48         .43           .49         .46         .43         .49         .46         .43         .40         .39           .49         .44         .40         .37         .45         .41         .37         .34         .35           .45         .39         .35         .31         .41         .36         .33         .30         .31           .41         .35         .30         .27         .38         .34         .29         .26         .28           .38         .31         .27         .24         .35         .20         .24           .33         .26         .21         .32         .27         .23         .20         .24           .33         .26         .21         .38         .24         .20         .18         .21           .30         .23         .19	70         50         30         10         70         50         30         10         50         30           .62         .62         .62         .62         .57         .57         .57         .57         .48         .48           .58         .55         .53         .52         .53         .51         .49         .48         .43         .42           .53         .49         .46         .43         .49         .40         .37         .35         .32           .49         .44         .40         .37         .45         .41         .37         .34         .35         .32           .45         .39         .35         .31         .41         .36         .33         .30         .31         .28           .41         .35         .30         .27         .38         .34         .29         .26         .28         .25           .38         .31         .27         .24         .35         .20         .24         .20           .33         .26         .21         .32         .27         .23         .20         .24         .20           .33         .26         .21	70         50         30         10         70         50         30         10         50         30         10           .62         .62         .62         .62         .57         .57         .57         .48         .48         .48           .58         .55         .53         .52         .53         .51         .49         .48         .43         .42         .41           .53         .49         .46         .43         .40         .39         .37         .35           .49         .44         .40         .37         .45         .41         .37         .34         .35         .32         .30           .45         .39         .35         .31         .41         .36         .33         .30         .31         .28         .26           .41         .35         .30         .27         .38         .34         .29         .26         .28         .25         .23           .38         .31         .27         .24         .35         .29         .25         .22         .20         .35           .33         .26         .21         .18         .30         .24         .20	70         50         30         10         70         50         30         10         50         30         10         50           .62         .62         .62         .62         .57         .57         .57         .57         .48         .48         .48         .32           .58         .55         .53         .52         .53         .51         .49         .48         .43         .42         .41         .30           .49         .46         .43         .40         .39         .37         .35         .27           .49         .44         .40         .37         .45         .41         .37         .34         .35         .32         .30         .24           .45         .39         .35         .31         .41         .36         .33         .30         .31         .28         .26         .22           .41         .35         .30         .27         .38         .34         .29         .26         .28         .25         .23         .20           .38         .31         .27         .24         .35         .29         .25         .22         .26         .22         .18	70         50         30         10         70         50         30         10         50         30         10         50         32         32         32           58         .55         .53         .52         .53         .51         .49         .48         .43         .42         .41         .30         .29         .53         .49         .46         .43         .40         .39         .37         .35         .27         .26           .49         .44         .40         .37         .45         .41         .37         .34         .35         .32         .30         .24         .23           .41         .35         .30         .27         .38         .34 <th>70         50         30         10         70         50         30         10         50         30         22         32&lt;</th>	70         50         30         10         70         50         30         10         50         30         22         32<





### Catalog Number

\_\_\_\_ FIXTURE

CEN2 – Centra 2

VOLTAGE 120 – 120 Volt 277 – 277 Volt

#### \_ MOUNTING

PEN – Pendant mount HRD – Surface mount, hard ceiling GRD – Surface mount, grid ceiling

\_\_\_ OPTIONS DIM – Electronic dimming

EXAMPLE: CEN2-277-HRD

## Specifications

#### CONSTRUCTION

Fixture elements and ceiling reflector are anodized aluminum and chrome. Decorative ring is float glass. Upper ring is frosted glass.

#### FINISH

Steel rods, circular lamp housing and top plate have chromed finish.

#### SHIELDING

Downlight reflector is spun aluminum.

#### ELECTRICAL

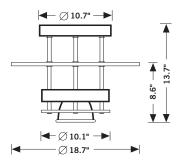
Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

#### LAMPING

Three 26 watt quad-pin fluorescent lamps. Lamps not included.

#### MOUNTING

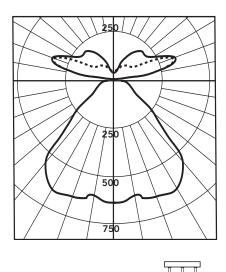
Fixture may be either pendant or surface mounted. See reverse for pendant mounting detail. Specify grid or hard ceiling for surface mounting. Fixture is shipped fully assembled.





# énergie

## Photometrics



LUMINAIRE

Descrip fluoresc			2 with	three 2	26 Watt	quad-		<b>ZONE</b> 0 - 30 0 - 40 0 - 60	54 91	LUMENS 541.4 919.7 1420.2		MP	% FIXT 19.2 32.5 50.3		
Catalog Efficier			EN2-2	77-HRD	)			60 - 90 0 - 90 90 - 180 0 - 180	16 11	9.4 59.7 66.7 26.4	4.4 30.7 21.6 52.3		8.5 58.7 41.3 100.0		
	OF U	ZATIO	N 7			50			10		0				
PW RCR	70	50	30	10	70	50	30	10	50	30	10	50	30	10	10
0	.57	.57	.57	.57	.53	.53	.53	.53	.46	.46	.46	.34	.34	.34	.31
1	.52	.50	.48	.46	.49	.47	.45	.44	.41	.39	.38	.30	.29	.29	.26
2	.48	.44	.41	.38	.45	.41	.39	.36	.36	.34	.32	.27	.26	.25	.22
3	.44	.39	.35	.32	.41	.37	.33	.31	.32	.30	.28	.24	.23	.21	.19
4	.40	.35	.31	.28	.38	.33	.29	.26		.26	.24	.22	.20		.17
5	.37	.31	.27	.24	.35	.29	.26	.23		.23	.21	.20	.18		.15
6	.34	.28	.24	.21	.32	.27	.23	.20		.20	.18	.18	.16	.15	.13
7	.32	.26	.21	.19	.30	.24	.20	.18		.18	.16	.16	.15	.13	.15
8	.30	.23	.19	.16	.28	.22	.18	.16		.17	.14	.15	.13	.12	.11
9	.28	.21	.17	.15	.26	.20	.17	.14		.15	.13	.14	.12	.11	.10
10	.26	.20	.16	.13	.24	.19	.15	.13	.17	.14	.12	.13	.11	.10	.09

ZONAL LUMEN SUMMARY

# Pendant Mounting Diagram



**PENDANT MOUNT** Pendant mount version suspended with four aircraft cables, up to 78" in length. Aircraft cable is fully adjustable.





# Specifications

#### CONSTRUCTION

All surround elements of fixture constructed of steel. Decorative ring is float glass. Reflecting disk constructed of post-anodized, 99.99% pure aluminum, spun to ensure maximum glare reduction.

#### SHIELDING

Downlight reflector is spun aluminum.

#### FINISH

Steel rods and circular lamp housing are chromed finish.

#### ELECTRICAL

Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

### Catalog Number

\_\_\_\_ FIXTURE

CEN3 – Centra 3

**VOLTAGE** 120 – 120 Volt 277 – 277 Volt

**MOUNTING** HRD – Surface mount, hard ceiling

GRD – Surface mount, grid ceiling

OPTIONS
 DIM – Electronic dimming

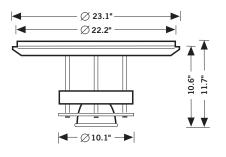
EXAMPLE: CEN3-120-HRD

#### LAMPING

Three 26 watt quad-pin fluorescent lamps. Lamps not included.

#### MOUNTING

Fixture is surface mounted. Specify grid or hard ceiling surface mount. See reverse for mounting detail. Fixture is shipped fully assembled.





# énergie

% FIXT

35.2

61.4

78.8

79.5

20.5

100.0

0.7

ZONAL LUMEN SUMMARY

1124.8

1959.6

2516.7

2538.1

654.0

3192.0

21.3

LUMENS % LAMP

20.8

36.3

46.6

0.4

47.0

12.1

59.1

ZONE

0 - 30

0 - 40

0 - 60

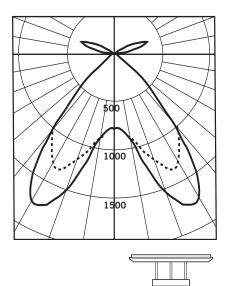
60 - 90

90 - 180

0 - 180

0 - 90

## **Photometrics**



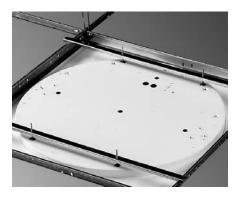
LUMINAIRE
<b>Description:</b> Centra 3 with three 26 watt quad-pin fluorescent lamps.
Catalog Number: CEN3-120-GRD
Efficiency: 59.1%

#### COEFFICIENTS OF UTILIZATION

L

OOLI		1115	01 1												
PCC		8	0			7	'0			50			10		0
PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	10
RCR															
0	.67	.67	.67	.67	.65	.65	.65	.65	.59	.59	.59	.49	.49	.49	.47
1	.63	.61	.59	.58	.61	.59	.57	.56	.54	.53	.52	.46	.45	.45	.43
2	.59	.55	.53	.50	.57	.53	.51	.49	.49	.47	.46	.43	.41	.40	.39
3	.55	.50	.47	.44	.53	.48	.45	.43	.45	.43	.40	.39	.38	.36	.35
4	.51	.46	.42	.39	.49	.44	.40	.38	.41	.38	.36	.36	.34	.33	.31
5	.48	.42	.37	.34	.46	.40	.36	.33	.38	.34	.32	.33	.31	.29	.28
6	.44	.38	.34	.30	.43	.37	.33	.30	.35	.31	.29	.31	.28	.26	.25
7	.41	.35	.30	.27	.40	.34	.30	.27	.32	.28	.26	.28	.26	.24	.23
8	.39	.32	.27	.25	.37	.31	.27	.24	.29	.26	.23	.26	.24	.22	.21
9	.36	.29	.25	.22	.35	.28	.25	.22	.27	.24	.21	.24	.22	.20	.19
10	.34	.27	.23	.20	.32	.26	.22	.20	.25	.22	.19	.22	.20	.18	.17

# Mounting Diagrams



#### MOUNTING PLATE

Mounting plate included with fixture. Mounting plate is white-coated sheet steel, and is used for mounting on both grid or hard ceilings. Support rods supplied for grid ceiling mount only.





énergie

### Catalog Number

\_\_\_\_ FIXTURE CEN4 – Centra 4

\_ VOLTAGE

120 – 120 Volt 277 – 277 Volt

#### \_\_ MOUNTING

PEN – Pendant Mount HRD – Surface mount, hard ceiling GRD – Surface mount, grid ceiling

\_ OPTIONS DIM – Electronic dimming

EXAMPLE: CEN4-277-HRD

## Specifications

#### CONSTRUCTION

All surround elements of fixture constructed of steel. Lower, decorative ring is float glass. Reflecting disk constructed of post-anodized, 99.99% pure aluminum, spun to ensure maximum glare reduction.

#### SHIELDING

Downlight reflector is spun aluminum.

#### FINISH

Steel rods, circular lamp housing and top plate have chromed finish.

#### ELECTRICAL

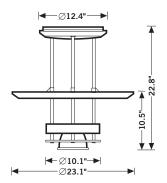
Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

#### LAMPING

Three 26 watt quad-pin fluorescent lamps. Lamps not included.

#### MOUNTING

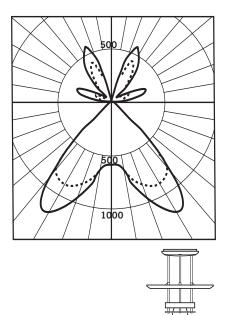
Fixture may be either pendant or surface mounted. See reverse for pendant mounting detail. Specify grid or hard ceiling for surface mounting. Fixture is shipped as 2 pieces – large ring and main housing. Assembly is tool-less.





# énergie

## Photometrics



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**Description:** Centra 4 with three 26 watt quad-pin fluorescent lamps.

Catalog Number: CEN4-277-PEN

Efficiency: 58.5%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	747.1	13.8	23.7
0 - 40	1391.7	25.8	44.1
0 - 60	1843.2	34.1	58.4
60 - 90	24.6	0.5	0.8
0 - 90	1867.8	34.6	59.1
90 - 180	1290.2	23.9	40.9
0 - 180	3158.2	58.5	100.0

#### COEFFICIENTS OF UTILIZATION

PCC		8	0			7	<b>'</b> 0			50			10		0
PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	10
RCR															
0	.64	.64	.64	.64	.60	.60	.60	.60	.52	.52	.52	.38	.38	.38	.35
1	.59	.57	.55	.54	.56	.54	.52	.51	.47	.46	.45	.35	.35	.34	.31
2	.55	.51	.48	.46	.52	.48	.46	.43	.43	.41	.39	.32	.31	.30	.28
3	.51	.46	.42	.40	.48	.44	.40	.38	.39	.36	.34	.30	.28	.27	.25
4	.47	.42	.38	.34	.44	.39		.33	.35	.32	.30	.27	.26	.24	.22
5	.44	.38	.33	.30	.41	.36	.32	.29	.32	.29	.26	.25	.23	.22	.20
6	.40	.34	.30	.27	.38	.32	.28	.26	.29	.26	.24	.23	.21	.20	.18
7	.38	.31	.27	.24	.35	.29	.26	.23	.26	.26	.21	.21	.19	.18	.16
8	.35	.28	.24	.21	.33	.27	.26	.20	.24	.21	.19	.19	.17	.16	.15
9	.33	.26	.22	.19	.31	.25	.21	.18	.22	.19	.17	.18	.16	.14	.13
10	.30	.24	.20	.17	.29	.23	.19	.16	.20	.17	.15	.17	.15	.13	.12

# Pendant Mounting Diagram



**PENDANT MOUNT** Pendant mount version suspended with four aircraft cables, up to 78" in length. Aircraft cable is fully adjustable.

