

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

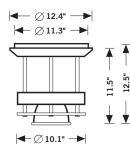
Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

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

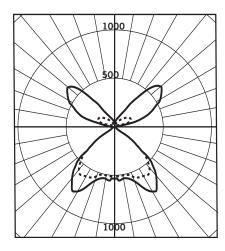
0 - 60

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<</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

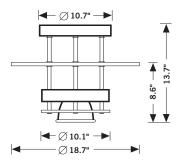
Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

LAMPING

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

MOUNTING

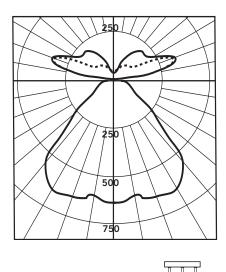
Fixture may be either pendant or surface mounted. See reverse for pendant mounting detail. Specify grid or hard ceiling for surface mounting. Fixture is shipped fully assembled.





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Photometrics



LUMINAIRE

Descrip fluoresc			2 with	three 2	26 Watt	quad-		ZONE 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

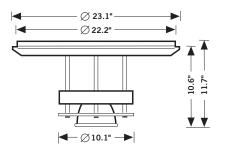
EXAMPLE: CEN3-120-HRD

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

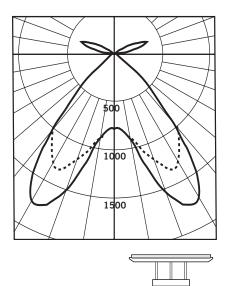
60 - 90

90 - 180

0 - 180

0 - 90

Photometrics



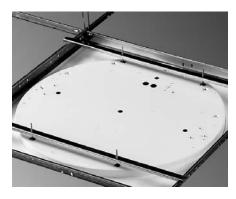
LUMINAIRE
Description: Centra 3 with three 26 watt quad-pin fluorescent lamps.
Catalog Number: CEN3-120-GRD
Efficiency: 59.1%

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

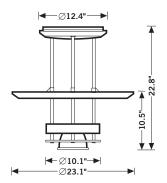
Specify 120 or 277 volt. Fixture and all electrical components are U.L./C.U.L. listed. Supplied with (2) internal electronic ballasts, allowing for separate switching if desired. Dimming may be specified.

LAMPING

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

MOUNTING

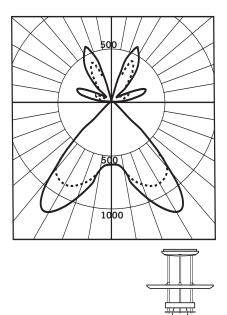
Fixture may be either pendant or surface mounted. See reverse for pendant mounting detail. Specify grid or hard ceiling for surface mounting. Fixture is shipped as 2 pieces – large ring and main housing. Assembly is tool-less.





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	' 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.

