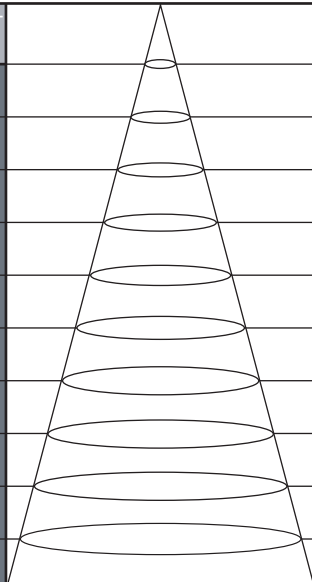


# COBRA

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
24"	WLLED24	2000 LM	20W/120-277V	4K	80+	50,000 HOURS

## WLLED24 FOOTCANDLE DIAGRAM

MOUNTING HEIGHT (METERS)	FOOTCANDLES AT NADIR	DIAMETER (CENTIMETERS)
1m	212.0, 691.8lx	275.65
2m	53.00, 172.9lx	551.29
3m	23.55, 76.87lx	826.94
4m	13.25, 43.24lx	1102.58
5m	8.479, 27.67lx	1378.23
6m	5.888, 19.22lx	1653.87
7m	4.326, 14.12lx	1929.52
8m	3.312, 10.81lx	2205.16
9m	2.617, 8.541lx	2480.81
10m	2.120, 6.918lx	2756.46



## WLLED24 ZONAL LUMEN SUMMARY

ZONE	LUMENS	% OF LUMINAIRE
0-30	529.5	27.6
0-40	860.6	44.9
0-60	1502	78.3
0-90	1902	99.1
90-180	17	0.9

## WLLED24 AVERAGE LUMINANCE (cd/m<sup>2</sup>)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)	
	0	90
85	3300	1001
80	2725	1595
75	2644	1978
70	2661	2227
65	2694	2396
60	2761	2515
55	2771	2609
50	2815	2684
45	2852	2749

## WLLED24 COEFFICIENTS OF UTILIZATION

CEILING CAVITY REFLECTANCE	80			70			50			0
	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
WALL REFLECTANCE										
ROOM CAVITY RATIO (RCR)	EFFECTIVE FLOOR CAVITY REFLECTANCE 20% ** VALUES ARE EXPRESSED AS LUMENS DELIVERED TO THE TASK SURFACE **									
k = 0.6	58	46	39	57	46	39	56	45	39	32
0.8	68	56	49	67	56	49	65	55	48	41
1	76	65	58	75	64	57	72	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.5	88	78	71	86	77	71	83	75	69	62
2	95	86	80	93	85	79	89	83	77	69
2.5	99	91	85	97	89	84	93	87	82	73
3	102	95	90	100	94	88	96	90	86	78
4	106	100	95	103	98	94	99	95	91	82
5	108	104	99	106	102	98	101	98	95	85

## WLLED24 DISTRIBUTION CURVE (cd/klm)

