



# A Bright Choice

HEXALED



**C**ONTRASTE

*Contraste is synonymous with confidence. The Company offers a vast choice of recessed and pendant luminaires, decorative glass shades as well as wall mount fixtures. All products are manufactured in Québec and are of the highest quality. Contraste product excellence can be evidenced in its vertically integrated manufacturing and its many energy-efficient product innovations that allow the Company to make a major contribution towards the protection of the environment.*



# HEXALED

Always on the lookout to help you save energy while providing high quality lighting, Contrast combined advanced technology LED components to create a new and powerful unit that will meet every specification project needs.

HexaLED lets you design streamlined, elegant accent and general lighting concepts for architectural interiors that yield between 60 and 85 lumens per watt. These powerful, cost-efficient luminaires are suitable for a wide range of modern decors in retail stores, restaurants, lobbies, hotels, office spaces, conference rooms, museums and art galleries, public areas and other interiors.

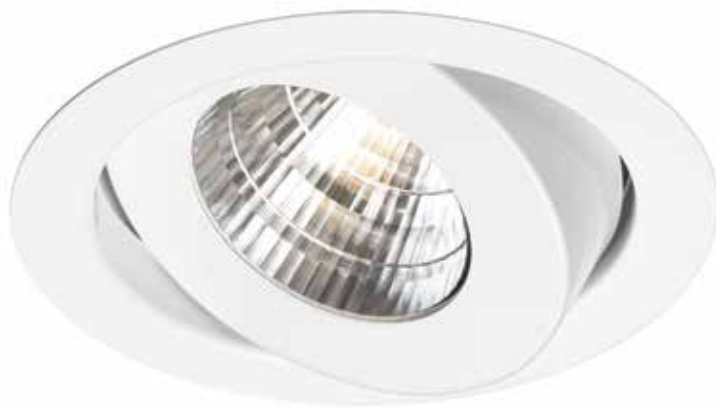
Beyond its ability to deliver low-energy lighting, HexaLED is a beautiful addition to any space, combining 30° lockable adjustability, advanced LED technology, excellent color rendering, beam spread options and other desirable features.

With three wattage options (22W, 30W and 40W) and lumen outputs ranging from 1,700 to 3,100 lumens, HexaLED downlights exceed Energy Star® requirements and are ideally suited to best-in-class energy-efficient lighting designs and LEED® certified buildings. Fixtures come with two CRI options: over 80 and over 90 (3,000 K versions only). For added lighting flexibility, there is a choice of beam spreads, namely narrow spot (15°), medium (21°) and wide (46°) flood.

# TRIM FINISHES



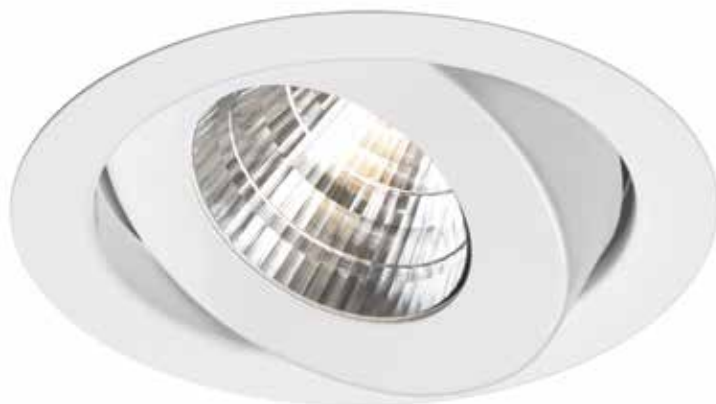
White -01



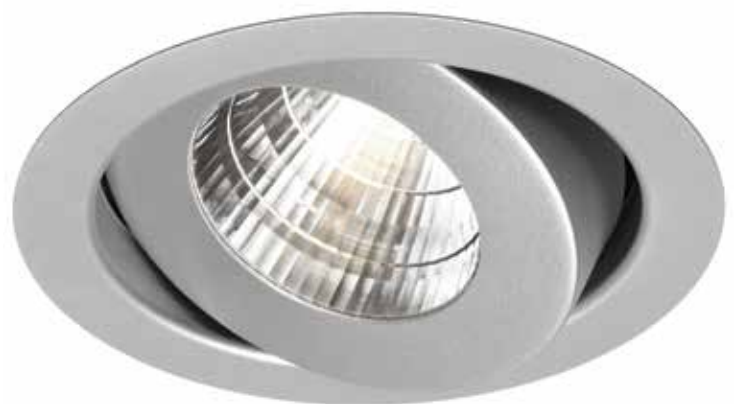
Black -02



Matte White -11



Metallic Grey -15





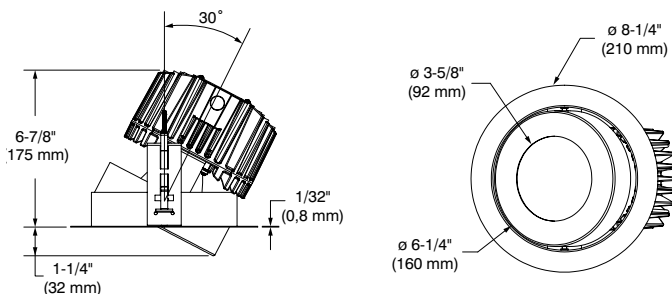
# SPECIFICATIONS

## FOR TRIM

COLOR TEMPERATURE	3,000K, 3,500K and 4,000K		
LED MODULE	CREE CXA2530 LED providing binning freedom with single 4 step MacAdam ellipse color performance control which exceeds ANSI binning requirements		
LUMEN OUTPUT	1,700 lumens to 3,100 lumens 60 to 85 lumens/watt		
	<b>22W</b>	<b>30W</b>	<b>40W</b>
<b>3,000K</b>	1,700 lms	2,220 lms	2,700 lms
<b>3,500K</b>	1,850 lms	2,400 lms	2,900 lms
<b>4,000K</b>	1,950 lms	2,550 lms	3,100 lms
CRI	80 + standard 90 + available with 3,000K		
TRIM	Plated die-formed steel, with powder coating, marine grade option available. Adjustable center is lockable.		
BEAM	15°, 21° and 46°, adjustable and lockable		
LENS	Clear glass lens		
HEAT SINK	Very high quality injected and aluminum ensuring maximum heat dissipation		
LIFESPAN	L70 @ 50,000 hours		
HOUSING	Can be used with 6" Contraste new construction and remodel housing ex.: NWHEXUxxx		
WARRANTY	5 year warranty on LED module and driver		

## FOR HOUSING

HOUSING DETAILS	Galvanized steel Below-ceiling accessible.
MOUNTING	<b>Ceiling cutout:</b> 6-3/4" (171mm)
	<b>NEW CONSTRUCTION HOUSING</b> Perfect fit into ceiling. No light leak. Fit into up to 7/8" (22 mm) ceiling thickness. Mounting bars lock into place and adjust from 10" (254 mm) to 24-1/2" (457 mm) on the integral T-Bars tabs. May be installed in trusses or suspended ceilings. 18" BX for easy installation and access to the trim.
	<b>REMODEL HOUSING</b> Perfect fit into ceiling. No light leak. Fit into up to 7/8" (22 mm) ceiling thickness. 18" (457 mm) BX for easy installation and access to the trim.
DRIVER	Constant current output. Universal (110 to 277V c.a.) Optional LED Emergency Driver available.
WATTAGE	22W, 30W and 40W
DIMMING	3 compatible types of dimmers: ELV, 0-10V and Lutron Hi-Lume A-Series LED Driver with Eco System Control / 3-wire (CCR). Please see Web site for Suggested Compatible Dimmers list
WARRANTY	5 year warranty on LED module and driver



# ORDERING INFORMATION

Contraste products are available all over North America. Stock items can be delivered anywhere in Canada or in the U.S. within a few days.



## How to Order

For information on distributors, local representatives or stores best able to serve your needs, please call our customer service at: 1 888 839-4624 or visit our Website at [www.contrastlighting.com](http://www.contrastlighting.com).

### ORDERING CODES for Trim

Example: **HEXD1-01MG-3080S**

LED SERIES	TYPE	LENS	FINISHES	MARINE GRADE	COLOR TEMPERATURES	CRI	BEAMS
<b>HEX</b>	<b>D</b>	<b>L</b>					
<b>HEX</b>	<b>D</b> Adjustable	<b>L</b> Lens	<b>-01</b> White <b>-02</b> Black <b>-11</b> Matte White <b>-15</b> Metallic Grey	... Standard <b>MG</b> Marine Grade	<b>-30</b> 3,000K <b>-35</b> 3,500K <b>-40</b> 4,000K	<b>80</b> 80 + <b>90</b> 90 +   (Only for 3,000K)	<b>S</b> Spot (15°) <b>M</b> Narrow Flood (21°) <b>W</b> Flood (46°)

**MARINE GRADE** - Unless otherwise indicated, trims are for interior use, cold and exterior locations where fixtures are not subjected to direct rain or snow exposure like under soffits. MARINE GRADE treatment is recommended.

### ORDERING CODES for New Construction Housing

Example: **NWHEX1D1P1**

HOUSING TYPE	MODEL SERIES	VOLTAGE	DRIVER	PERFORMANCE	LED EMERGENCY DRIVER (optional)	REVISION
<b>NW</b>	<b>HEX</b>					
<b>NW</b>	<b>HEX</b> HexaLED	<b>1</b> 120V <b>2</b> 277V	<b>D1</b> ELV** <b>D2</b> 0-10V <b>D3</b> Lutron Hi-Lume A-Series Eco System / 3-wire (CCR)	<b>P1</b> 22W <b>P2</b> 30W <b>P3</b> 40W	<b>-EM</b>	<b>-R1</b> (1D1P1 only)

\*\* (Only for P1 and P2, not available on P3)

### ORDERING CODES for Remodel Housing

Example: **REHEX1D1P1**

HOUSING TYPE	MODEL SERIES	VOLTAGE	DRIVER	PERFORMANCE
<b>RE</b>	<b>HEX</b>			
<b>RE</b>	<b>HEX</b> HexaLED	<b>1</b> 120V <b>2</b> 277V	<b>D1</b> ELV** <b>D2</b> 0-10V <b>D3</b> Lutron Hi-Lume A-Series Eco System / 3-wire (CCR)	<b>P1</b> 22W <b>P2</b> 30W <b>P3</b> 40W

\*\* (Only for P1 and P2, not available on P3)

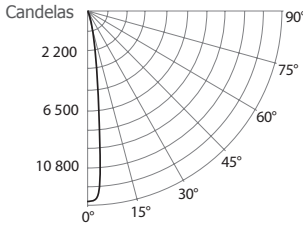
# PHOTOMETRIC DATA

## 3,000K POWER 1

For temperature 3,500K,  
add 7% to the photometric data  
of the temperature 3,000K.

### 3,000K, Power 1, Spot Beam

#### CANDLEPOWER DISTRIBUTION



#### CONE OF LIGHT

Distance	FC	DIA
06'	435,0	1,6
08'	244,7	2,1
10'	156,6	2,7
12'	108,8	3,2
14'	79,9	3,7
16'	61,2	4,2
18'	48,3	4,8
20'	39,2	5,3

Beam: 15°  
Beam Edge defined as 50%  
of Maximum Nadir Candle-power.

#### LUMINAIRE

Power 1 HexaLED	3,000K Spot Beam
Equivalent Bulbs	20W HID / 2X13W TTT
CBCP / Lumens	15,660 / 1,719
Watts	120V 277V 23,5W 23,5W
Operating AMPS	0,19A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	80 +
Lumens/Watt	73,1
Spacing Criteria	0,24
Certificate LM79-08	00025
Base on luminaire efficiency 85%	

#### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30				
Wall Reflect %	50	30	50	30			
RCR	0	119	119	111	111	106	106
	2	108	105	104	102	101	99
	4	100	97	97	95	96	93
	6	94	90	92	89	91	88
	8	89	85	88	85	87	84
	10	85	81	84	81	83	80

Zonal Cavity Method Effective Floor  
Cavity Reflectance 20%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,666	97%
0-40	1,704	99%
0-60	1,715	99%
60-90	5,3	0,3%
0-90	1,719	100%

#### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	82	1,04
6'	46	0,59
7'	32	0,41
8'	32	0,41
9'	21	0,26

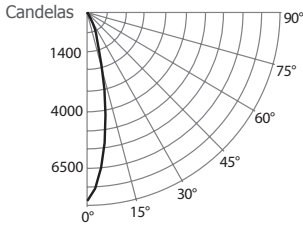
38' X 38' X 10' Room, Workplane 2 1/2" above floor,  
80/50/20% Reflectances

#### CANDELA DISTRIBUTION

DEGREES VERTICAL	CANDELA	DEGREES VERTICAL	CANDELA
0	15,660	45	9
5	12,138	55	2
10	3,727	65	3
15	1,892	75	2
20	1,142	85	2
25	735	90	0
35	44		

### 3,000K, Power 1, Medium Beam

#### CANDLEPOWER DISTRIBUTION



#### CONE OF LIGHT

Distance	FC	DIA
06'	220,3	2,3
08'	123,9	3,1
10'	79,3	3,9
12'	55,1	4,7
14'	40,5	5,4
16'	31,0	6,2
18'	24,5	7,0
20'	19,8	7,8

Beam: 22°  
Beam Edge defined as 50%  
of Maximum Nadir Candle-power.

#### LUMINAIRE

Power 1 HexaLED	3,000K Medium Beam
Equivalent Bulbs	20W HID / 2X13W TTT
CBCP / Lumens	7,930 / 1,584
Watts	120V 277V 23,5W 23,5W
Operating AMPS	0,19A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	80 +
Lumens/Watt	67,4
Spacing Criteria	0,37
Certificate LM79-08	00026
Base on luminaire efficiency 85%	

#### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30				
Wall Reflect %	50	30	50	30			
RCR	0	119	119	111	111	106	106
	2	108	105	103	101	100	98
	4	99	95	96	93	94	91
	6	92	88	90	86	89	86
	8	86	82	85	81	84	81
	10	81	77	80	77	79	76

Zonal Cavity Method Effective Floor  
Cavity Reflectance 20%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,525	96,3%
0-40	1,570	99,1%
0-60	1,581	99,8%
60-90	2,7	0,2%
0-90	1,584	100%

#### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	75	1,04
6'	42	0,59
7'	29	0,41
8'	29	0,41
9'	19	0,26

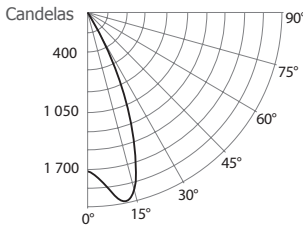
38' X 38' X 10' Room, Workplane 2 1/2" above floor,  
80/50/20% Reflectances

#### CANDELA DISTRIBUTION

DEGREES VERTICAL	CANDELA	DEGREES VERTICAL	CANDELA
0	7,930	45	11
5	6,587	55	3
10	4,392	65	1
15	2,273	75	1
20	1,176	85	0
25	743	90	0
35	54		

### 3,000K, Power 1, Wide Beam

#### CANDLEPOWER DISTRIBUTION



#### CONE OF LIGHT

Distance	FC	DIA
06'	82,4	5,1
08'	46,3	6,8
10'	29,7	8,5
12'	20,6	10,1
14'	15,1	11,8
16'	11,6	13,5
18'	9,2	15,2
20'	7,4	16,9

Beam: 46°  
Beam Edge defined as 50%  
of Maximum Nadir Candle-power.

#### LUMINAIRE

Power 1 HexaLED	3,000K Wide Beam
Equivalent Bulbs	20W HID / 2X13W TTT
CBCP / Lumens	2,965 / 1,645
Watts	120V 277V 23,5W 23,5W
Operating AMPS	0,19A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	80 +
Lumens/Watt	70
Spacing Criteria	0,67
Certificate LM79-08	00027
Base on luminaire efficiency 85%	

#### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30				
Wall Reflect %	50	30	50	30			
RCR	0	119	119	111	111	106	106
	2	106	103	101	99	98	96
	4	96	91	92	89	91	88
	6	87	82	85	81	84	80
	8	80	75	78	74	77	74
	10	74	69	72	68	72	68

Zonal Cavity Method Effective Floor  
Cavity Reflectance 20%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,545	94%
0-40	1,622	98,6%
0-60	1,640	99,7%
60-90	4,3	0,3%
0-90	1,645	100%

#### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	77	1,04
6'	43	0,59
7'	30	0,41
8'	30	0,41
9'	19	0,26

38' X 38' X 10' Room, Workplane 2 1/2" above floor,  
80/50/20% Reflectances

#### CANDELA DISTRIBUTION

DEGREES VERTICAL	CANDELA	DEGREES VERTICAL	CANDELA
0	2,965	45	13
5	3,009	55	6
10	3,090	65	3
15	2,863	75	1
20	2,072	85	0
25	1,059	90	0
35	107		



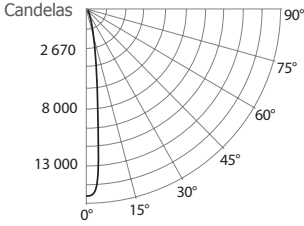
# PHOTOMETRIC DATA

## 3,000K POWER 2

For temperature 3,500K,  
add 7% to the photometric data  
of the temperature 3,000K.

### 3,000K, Power 2, Spot Beam

#### CANDLEPOWER DISTRIBUTION



#### CONE OF LIGHT

Distance	FC	DIA
06'	561,7	1,6
08'	316,0	2,1
10'	202,2	2,6
12'	140,4	3,2
14'	103,2	3,7
16'	79,0	4,2
18'	62,4	4,8
20'	50,6	5,3

Beam: 15°  
Beam Edge defined as 50%  
of Maximum Nadir Candle-power.

#### LUMINAIRE

Power 2 HexaLED	3,000K Spot Beam
Equivalent Bulbs	39W HID / 2X18W TTT
CBCP / Lumens	20,222 / 2,220
Watts	120V 277V 32,5W 32,5W
Operating AMPS	0,27A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	80 +
Lumens/Watt	68,3
Spacing Criteria	0,24
Certificate LM79-08	00028
Base on luminaire efficiency	85%

#### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30				
Wall Reflect %	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106
	2	108	105	103	101	101	99
	4	100	97	97	94	96	93
	6	94	90	92	89	91	88
	8	89	85	88	84	87	84
	10	85	81	84	81	83	80

Zonal Cavity Method Effective Floor  
Cavity Reflectance 20%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	2,146	96,7%
0-40	2,197	99%
0-60	2,212	99,6%
60-90	7,8	0,4%
0-90	2,220	100%

#### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	106	1,44
6'	60	0,81
7'	42	0,56
8'	42	0,56
9'	27	0,36

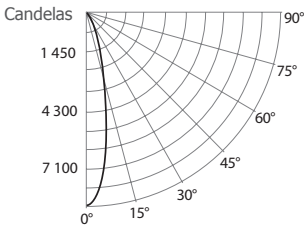
38' X 38' X 10' Room, Workplane 2 1/2" above floor,  
80/50/20% Reflectances

#### CANDELA DISTRIBUTION

DEGREES VERTICAL	CANDELA	DEGREES VERTICAL	CANDELA
0	20,222	45	13
5	15,485	55	3
10	4,825	65	2
15	2,435	75	2
20	1,471	85	3
25	942	90	0
35	59		

### 3,000K, Power 2, Medium Beam

#### CANDLEPOWER DISTRIBUTION



#### CONE OF LIGHT

Distance	FC	DIA
06'	282,6	2,4
08'	159,0	3,1
10'	101,7	3,9
12'	70,7	4,7
14'	51,9	5,5
16'	39,7	6,3
18'	31,4	7,1
20'	25,4	7,8

Beam: 22°  
Beam Edge defined as 50%  
of Maximum Nadir Candle-power.

#### LUMINAIRE

Power 2 HexaLED	3,000K Medium Beam
Equivalent Bulbs	39W HID / 2X18W TTT
CBCP / Lumens	10,174 / 2,055
Watts	120V 277V 32,5W 32,5W
Operating AMPS	0,27A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	+ 80
Lumens/Watt	63,1
Spacing Criteria	0,37
Certificate LM79-08	00029
Base on luminaire efficiency	85%

#### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30				
Wall Reflect %	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106
	2	107	104	103	100	100	98
	4	99	95	96	93	94	91
	6	92	87	90	86	88	85
	8	86	82	84	81	84	80
	10	81	77	80	76	79	76

Zonal Cavity Method Effective Floor  
Cavity Reflectance 20%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,973,7	96%
0-40	2,032,8	98,9%
0-60	2,049,1	99,7%
60-90	5,8	0,3%
0-90	2,055	100%

#### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	98	1,44
6'	55	0,81
7'	38	0,56
8'	38	0,56
9'	24	0,36

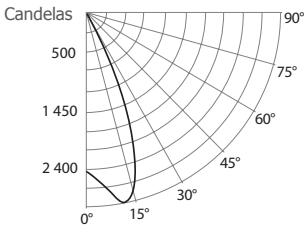
38' X 38' X 10' Room, Workplane 2 1/2" above floor,  
80/50/20% Reflectances

#### CANDELA DISTRIBUTION

DEGREES VERTICAL	CANDELA	DEGREES VERTICAL	CANDELA
0	10,174	45	14
5	8,482	55	5
10	5,675	65	3
15	2,967	75	2
20	1,527	85	2
25	959	90	0
35	71		

### 3,000K, Power 2, Wide Beam

#### CANDLEPOWER DISTRIBUTION



#### CONE OF LIGHT

Distance	FC	DIA
06'	105,6	5,1
08'	59,4	6,8
10'	38,0	8,5
12'	26,4	10,2
14'	19,4	11,8
16'	14,8	13,5
18'	11,7	15,2
20'	9,5	16,9

Beam: 46°  
Beam Edge defined as 50%  
of Maximum Nadir Candle-power.

#### LUMINAIRE

Power 2 HexaLED	3,000K Wide Beam
Equivalent Bulbs	39W HID / 2X18W TTT
CBCP / Lumens	3,801 / 2,115
Watts	120V 277V 32,5W 32,5W
Operating AMPS	0,27A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	80 +
Lumens/Watt	65,3
Spacing Criteria	0,67
Certificate LM79-08	00030
Base on luminaire efficiency	85%

#### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30				
Wall Reflect %	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106
	2	106	102	101	99	98	96
	4	95	91	92	89	90	87
	6	87	82	85	81	83	80
	8	80	75	78	74	77	74
	10	73	69	72	68	72	68

Zonal Cavity Method Effective Floor  
Cavity Reflectance 20%

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,984	93,8%
0-40	2,083,8	98,5%
0-60	2,108	99,7%
60-90	7,2	0,3%
0-90	2,115	100%

#### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	99	1,44
6'	56	0,81
7'	39	0,56
8'	39	0,56
9'	25	0,36

38' X 38' X 10' Room, Workplane 2 1/2" above floor,  
80/50/20% Reflectances

#### CANDELA DISTRIBUTION

DEGREES VERTICAL	CANDELA	DEGREES VERTICAL	CANDELA
0	3,801	45	18
5	3,857	55	8
10	3,959	65	4
15	3,671	75	2
20	2,662	85	1
25	1,363	90	0
35	137		















## Corporate Headquarters

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