ALCON LIGHTING

SPECIFICATION SHEET

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Project Name: Type: Quantity:

Alcon Lighting 12182 Disk Architectural LED Round Mount Down Light

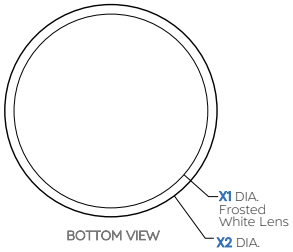
INTENDED USE

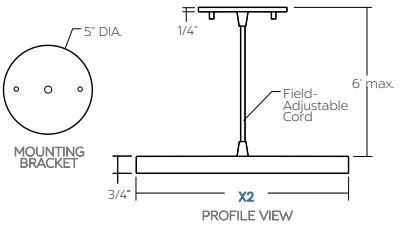
Elevate modern commercial interiors with the versatile Surface and Pendant Disk Architectural LED Down Light, designed to combine functionality with contemporary style. Its sleek, low-profile design minimizes glare while delivering high-performance illumination, making it an ideal choice for enhancing the ambiance of lobbies, hotels, retail spaces, and other commercial interiors.

FEATURES

Construction: 1-Inch Super Slim Thin Die-Cast Aluminum Frame For Low to Medium Height Ceilings. Integral Heat Sink Design for Maximum Heat Rejection
Mounting: Suitable for retrofit, new construction, and remodel applications. Includes universal hardware for standard octagonal junction boxes. Pendant mount is field-cuttable up to 72 inches
Lens: Polycarbonate Frosted White
Color Temperature: 30/35/40K Selectable switch
CRI: 90+
Operating Temperature: Suitable for Temperatures Down to -4°F (-20°C)
Life: 50,000 Hours
Warranty: 3 years carefree for parts & components (Labor not included)
Listings: ETL/CETL Listed, California Title 24/JA8 compliant, Assembled in the USA, Surface mount is Suitable for Wet Location Installations

EMERGENCY BACK-UP BATTERY





Dimensions				
	12182-5	12182-7	12182-12	12182-18
X1	6.125"	8.125"	11"	16-3/32"
X2	5"	7"	12"	18"

ORDERING INFORMATION Example: 12182-S-5-WH-010-EM14

Model	Mounting[1]	Size | Watt | Lumens	Finish[2]	Driver	Options
12182	**S** Surface	**5** 5" | 11W | 1000 Lumens	**WH** White	**ELV** ELV Dimming 120V	**EM14**[5,6] 14W Emergency Back-Up Battery
	P Pendant	**7** 7" | 14W | 1400 Lumens	**BK** Black	**010**[3,4] 0-10V Dimming 120/277V	**XEM25**[5,7] 25W Remote Emergency Back-Up Battery
		12 12" | 22W | 2000 Lumens	**SL** Silver		
		18 18" | 30W | 2000 Lumens	**BZ** Bronze		

1 Only surface mount is wet location rated
2 For pendant mount the finish applies to Canopy & cord
3 Not Title 24/JA8 compliant
4 Requires 4" octagonal junction box with 2-1/8" depth.
5 0-10V Driver Required
6 Only for 5" and 7" size
7 Only for 12" size

PHOTOMETRY

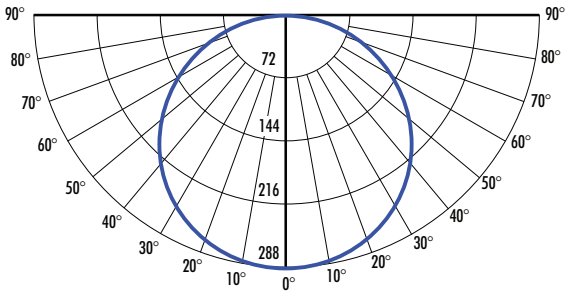
12182-5-50K (1000lm, 11W, 5000K, CRI 90)

System Power:	11W
Test Date:	10/2023
Beam Angle 50%:	117.2°
Field Angle 10%:	167.1°
Color Temperature:	5364K
CRI:	94.7
Lumens Delivered:	881
CBCP:	287.9
Power Factor:	0.92

MULTIPLIERS

2700K	0.94
3000K	**1.00**
3500K	0.99
4000K	0.99
5000K	**1.00**

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	26.21'	4.50
9.0'	29.49'	3.55
10.0'	32.77'	2.88
11.0'	36.04'	2.38
12.0'	39.32'	2.00

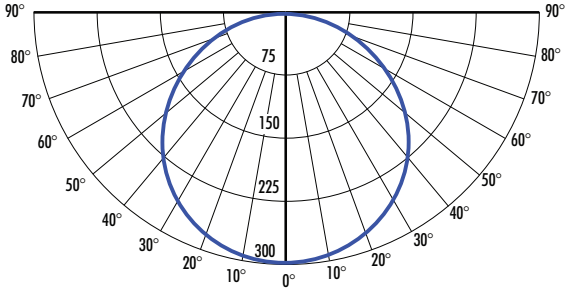
12182-5-40K (1000lm, 11W, 4000K, CRI 90)

System Power:	11W
Test Date:	10/2023
Beam Angle 50%:	117.2°
Field Angle 10%:	167.2°
Color Temperature:	4254K
CRI:	94.5
Lumens Delivered:	919
CBCP:	300
Power Factor:	0.98

MULTIPLIERS

3000K	0.96
3500K	1.03
5000K	**1.00**

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	26.21'	4.69
9.0'	29.49'	3.70
10.0'	32.77'	3.00
11.0'	36.04'	2.48
12.0'	39.32'	2.08

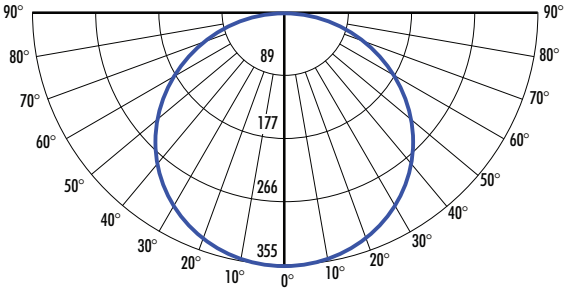
12182-7-40K (1400lm, 14W, 4000K, CRI 90)

System Power:	15W
Test Date:	10/2023
Beam Angle 50%:	120.5°
Field Angle 10%:	170.4°
Color Temperature:	3938K
CRI:	95.0
Lumens Delivered:	1132
CBCP:	354.9
Power Factor:	0.92

MULTIPLIERS

3000K	0.96
3500K	1.01
4000K	**1.00**

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	20.99'	9.86
8.0'	27.99'	5.54
10.0'	34.99'	3.55
12.0'	41.99'	2.46
14.0'	48.99'	1.81

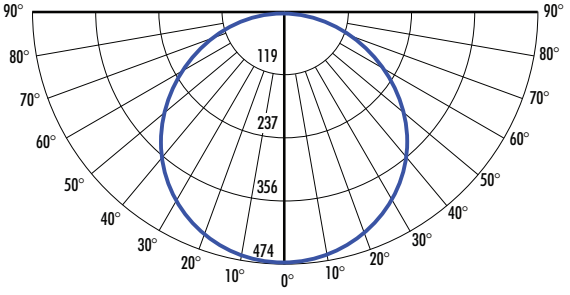
12182-7-50K (1400lm, 14W, 5000K, CRI 90)

System Power:	14W
Test Date:	10/2023
Beam Angle 50%:	116.7°
Field Angle 10%:	170.5°
Color Temperature:	5203K
CRI:	93.3
Lumens Delivered:	1461
CBCP:	300
Power Factor:	0.99

MULTIPLIERS

2700K	0.91
3000K	0.95
3500K	**1.00**
4000K	1.02
5000K	**1.00**

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	19.47'	13.18
8.0'	25.96'	7.41
10.0'	32.45'	4.74
12.0'	38.94'	3.29
14.0'	45.42'	2.42

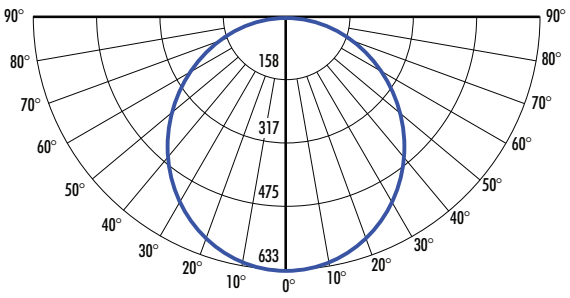
12182-12-35K (2000lm, 22W, 3000K, CRI 90)

System Power:	22.5W
Test Date:	10/2023
Beam Angle 50%:	112.7°
Field Angle 10%:	164.0°
Color Temperature:	3000K
CRI:	90
Lumens Delivered:	1824.25
CBCP:	633
Power Factor:	0.99

MULTIPLIERS

4000K	1.07
3500K	1.04
3000K	**1.00**
2700K	0.99

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	18.0'	17.6
8.0'	24.0'	9.9
10.0'	30.0'	6.3
12.0'	36.1'	4.4
14.0'	42.1'	3.2

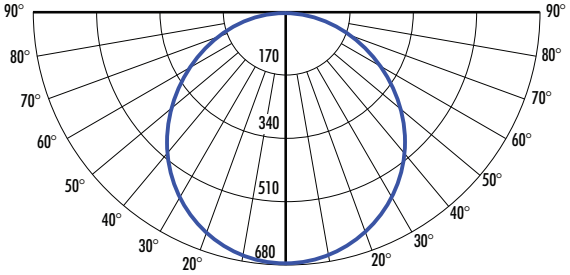
12182-12-40K (2000lm, 22W, 4000K, CRI 90)

System Power:	22.5W
Test Date:	10/2023
Beam Angle 50%:	112.6°
Field Angle 10%:	164.1°
Color Temperature:	4000K
CRI:	90
Lumens Delivered:	1960.3
CBCP:	680
Power Factor:	0.99

MULTIPLIERS

4000K	**1.00**
3500K	0.97
3000K	0.93
2700K	0.92

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	18.0'	18.9
8.0'	24.0'	10.6
10.0'	30.0'	6.8
12.0'	36.0'	4.7
14.0'	42.0'	3.5

COLOR TEMPERATURE GUIDE