

# modaLIGHT<sup>®</sup>

## SPECIFICATION

## MODA GRAZE RS INTERIOR SO 3000K HCRI 1FT

### Line Voltage LED Linear Fixture.

Standard output solid state linear system with integral 100-277v AC power supply. Fully dimmable with 0-10v dimmers. Connect up to 50 feet of product using the quick connect modular connections that come with each fixture. Adjustable mounting bracket allows for easy adjustment when directing the light source. No color over angle, uniform light with no dead spots. Choose your grazing option with a wealth of different optics to choose from.



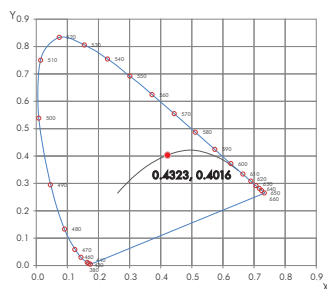
### OUTPUT

Delivered Lumens	540.00 - 590.00
CCT & SDMC	3000k - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4323 y: 0.4016 u: 0.2531 v: 0.5286
Color Bin Tolerance	Single Bin
Efficacy (lm/w)	77.14 - 84.28
CRI	91
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

### ELECTRICAL

Input Voltage	100-277v AC 50Hz/60Hz
Power Consumption	7w per ft (0.06A)
Power Factor	≥ 0.85
Dimming	0-10v Dimming Control
Emergency	N/A

### CIE 1931 CHROMATICITY DIAGRAM



### R VALUES

R1	R2	R3	R4	R5
92	93	93	90	91
R6	R7	R8	R9	R10
91	91	90	93	92
R11	R12	R13	R14	R15
92	91	93	92	91

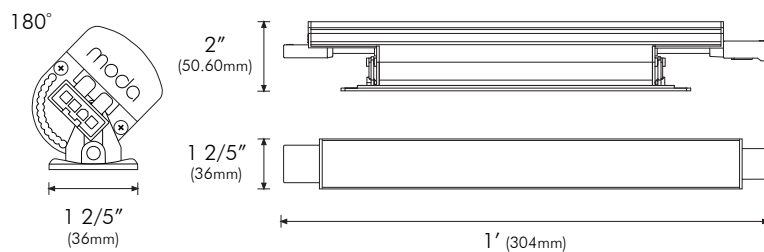
Project Name:

Notes:

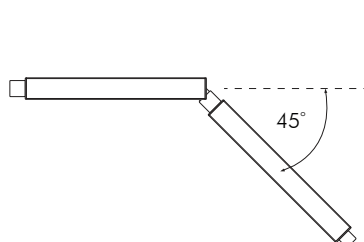
### PHYSICAL

Applications	Grazer, Accent & Indirect General Illumination
Dimensions	Length 1' (304mm) Width 1 2/5" (36mm) Height 2" (50.60mm)
Weight	14.4oz (408g)
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens
Thermal Management	MODA Aluminum Heat Sink
Optics	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, 30°x60°x5°
Fixture Connections	Integral Male & Female Connectors
Operating Temperature	-22°F ~ 122°F (-30°C ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

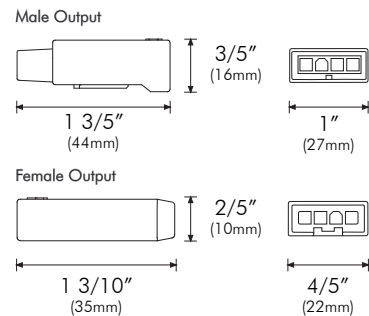
### DIMENSIONS



### ANGLE ADJUSTMENT



### CONNECTOR DIMENSIONS



### MODA TECHNOLOGY

modaBIN™ modaPHOSPHOR™  
modaDRIVER™ modaSOFT™  
modaLOCK™ modaKWIK CONNECT™  
modaOPTIC™ modaTHERMOPLASTICS™  
modaHIGH CRI modaTHERMAL MANAGEMENT™

### STANDARDS & CERTIFICATIONS



Due to continuous improvements and innovations, specifications may change without notice. Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.

VDC20171801  
955 White Drive Las Vegas, NV 89119 | T: 702 407 7775  
F: 702 407 7773 | www.modalight.com | © Copyright 2016

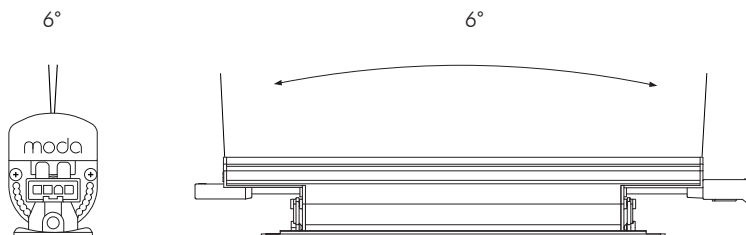
# modaLIGHT<sup>®</sup>

## SPECIFICATION

MODA GRAZE RS INTERIOR  
SO 3000K HCRI 1FT

### 6° BEAM ANGLE

Lumens	590.00
Efficacy (lm/w)	84.28

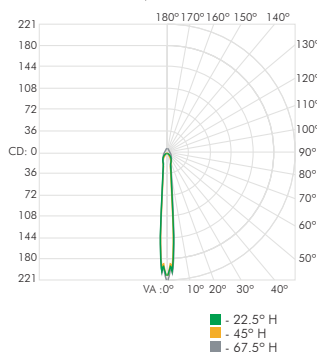


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	54.62 fc	5.7 ft 5.6 ft
4.0 ft	13.65 fc	11.3 ft 11.3 ft
6.0 ft	6.82 fc	17.0 ft 16.9 ft
8.0 ft	3.41 fc	22.7 ft 22.5 ft
10.0 ft	1.70 fc	28.3 ft 28.2 ft
12.0 ft	1.36 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

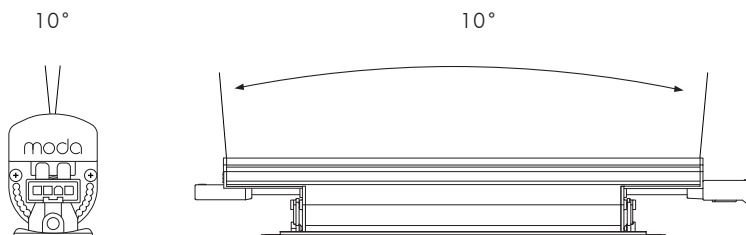
Zone	Lumens	% Lamp	% Fixt
0-30	524.51	N.A.	88.90%
0-40	552.83	N.A.	93.70%
0-60	578.79	N.A.	98.10%
60-90	10.03	N.A.	1.70%
0-90	590.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	590.00	N.A.	100.00%

### LUMENS PER ZONE

Zone	Lumens	% Total
0-10	274.35	46.50%
10-20	187.62	31.80%
20-30	62.54	10.60%
30-40	27.73	4.70%
40-50	16.52	2.80%
50-60	9.44	1.60%
60-70	6.49	1.10%
70-80	3.54	0.60%
80-90	1.18	0.20%
90-100	0.00	0.00%

### 10° BEAM ANGLE

Lumens	578.00
Efficacy (lm/w)	82.57

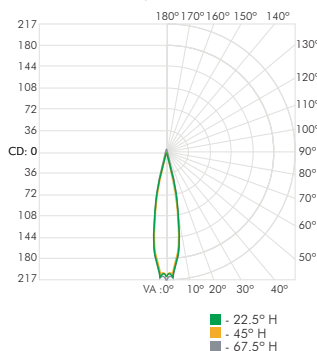


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	53.51 fc	5.7 ft 5.6 ft
4.0 ft	13.37 fc	11.3 ft 11.3 ft
6.0 ft	6.68 fc	17.0 ft 16.9 ft
8.0 ft	3.34 fc	22.7 ft 22.5 ft
10.0 ft	1.67 fc	28.3 ft 28.2 ft
12.0 ft	1.33 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	513.84	N.A.	88.90%
0-40	541.58	N.A.	93.70%
0-60	567.01	N.A.	98.10%
60-90	9.82	N.A.	1.70%
0-90	578.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	578.00	N.A.	100.00%

### LUMENS PER ZONE

Zone	Lumens	% Total
0-10	268.77	46.50%
10-20	183.80	31.80%
20-30	61.26	10.60%
30-40	27.16	4.70%
40-50	16.18	2.80%
50-60	9.24	1.60%
60-70	6.35	1.10%
70-80	3.46	0.60%
80-90	1.15	0.20%
90-100	0.00	0.00%

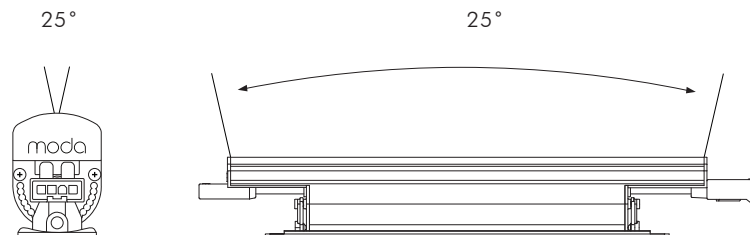
# modaLIGHT<sup>®</sup>

## SPECIFICATION

MODA GRAZE RS INTERIOR  
SO 3000K HCRI 1FT

### 25° BEAM ANGLE

Lumens	564.00
Efficacy (lm/w)	80.57

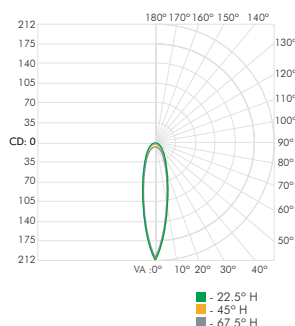


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	52.22 fc	5.7 ft 5.6 ft
4.0 ft	13.05 fc	11.3 ft 11.3 ft
6.0 ft	6.52 fc	17.0 ft 16.9 ft
8.0 ft	3.26 fc	22.7 ft 22.5 ft
10.0 ft	1.63 fc	28.3 ft 28.2 ft
12.0 ft	1.30 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

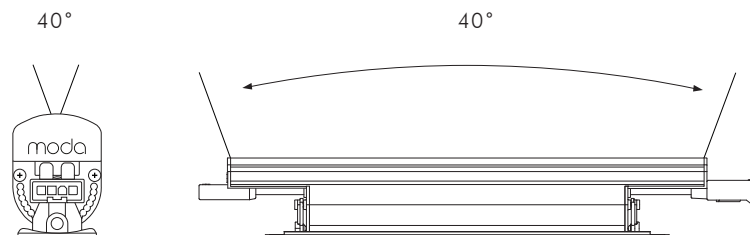
Zone	Lumens	% Lamp	% Fixt
0-30	501.39	N.A.	88.90%
0-40	528.46	N.A.	93.70%
0-60	553.28	N.A.	98.10%
60-90	9.58	N.A.	1.70%
0-90	564.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	564.00	N.A.	100.00%

### LUMENS PER ZONE

Zone	Lumens	% Total
0-10	262.26	46.50%
10-20	179.35	31.80%
20-30	59.78	10.60%
30-40	26.50	4.70%
40-50	15.79	2.80%
50-60	9.02	1.60%
60-70	6.20	1.10%
70-80	3.38	0.60%
80-90	1.12	0.20%
90-100	0.00	0.00%

### 40° BEAM ANGLE

Lumens	554.00
Efficacy (lm/w)	79.14

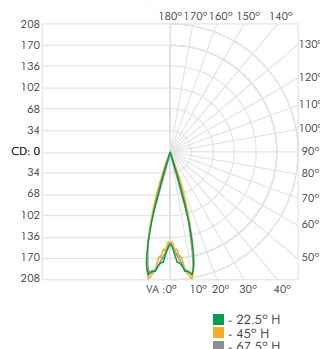


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	51.29 fc	5.7 ft 5.6 ft
4.0 ft	12.82 fc	11.3 ft 11.3 ft
6.0 ft	6.41 fc	17.0 ft 16.9 ft
8.0 ft	3.20 fc	22.7 ft 22.5 ft
10.0 ft	1.60 fc	28.3 ft 28.2 ft
12.0 ft	1.28 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	492.50	N.A.	88.90%
0-40	519.09	N.A.	93.70%
0-60	543.47	N.A.	98.10%
60-90	9.41	N.A.	1.70%
0-90	554.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	554.00	N.A.	100.00%

### LUMENS PER ZONE

Zone	Lumens	% Total
0-10	257.61	46.50%
10-20	176.17	31.80%
20-30	58.72	10.60%
30-40	26.03	4.70%
40-50	15.51	2.80%
50-60	8.86	1.60%
60-70	6.09	1.10%
70-80	3.32	0.60%
80-90	1.10	0.20%
90-100	0.00	0.00%

# modaLIGHT<sup>®</sup>

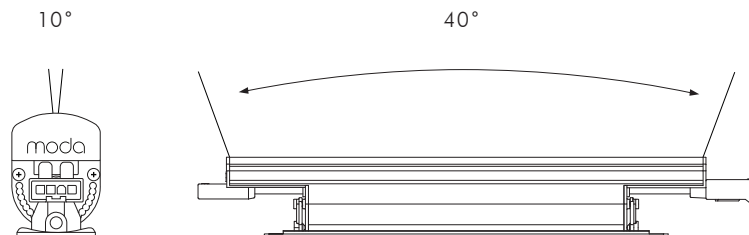
## SPECIFICATION

# MODA GRAZE RS INTERIOR

## SO 3000K HCRI 1FT

### 10° x 40° BEAM ANGLE

Lumens	545.00
Efficacy (lm/w)	77.85

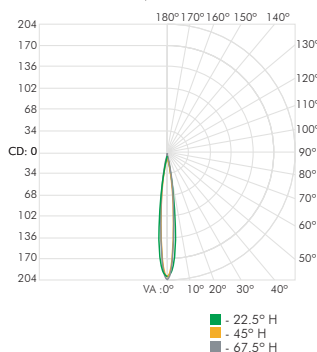


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	50.46 fc	5.7 ft 5.6 ft
4.0 ft	12.61 fc	11.3 ft 11.3 ft
6.0 ft	6.30 fc	17.0 ft 16.9 ft
8.0 ft	3.15 fc	22.7 ft 22.5 ft
10.0 ft	1.57 fc	28.3 ft 28.2 ft
12.0 ft	1.26 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

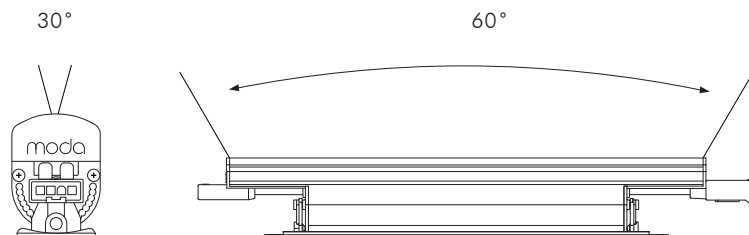
Zone	Lumens	% Lamp	% Fixt
0-30	484.50	N.A.	88.90%
0-40	510.66	N.A.	93.70%
0-60	534.64	N.A.	98.10%
60-90	9.26	N.A.	1.70%
0-90	545.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	545.00	N.A.	100.00%

### LUMENS PER ZONE

Zone	Lumens	% Total
0-10	253.42	46.50%
10-20	173.31	31.80%
20-30	57.77	10.60%
30-40	25.61	4.70%
40-50	15.26	2.80%
50-60	8.72	1.60%
60-70	5.99	1.10%
70-80	3.27	0.60%
80-90	1.09	0.20%
90-100	0.00	0.00%

### 30° x 60° BEAM ANGLE

Lumens	542.00
Efficacy (lm/w)	77.42

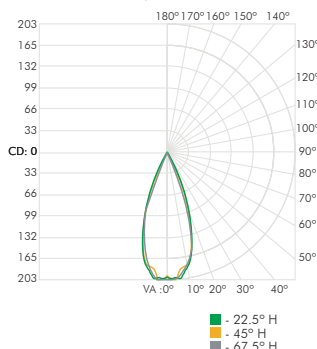


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	50.18 fc	5.7 ft 5.6 ft
4.0 ft	12.54 fc	11.3 ft 11.3 ft
6.0 ft	6.27 fc	17.0 ft 16.9 ft
8.0 ft	3.13 fc	22.7 ft 22.5 ft
10.0 ft	1.56 fc	28.3 ft 28.2 ft
12.0 ft	1.25 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	481.83	N.A.	88.90%
0-40	507.85	N.A.	93.70%
0-60	531.70	N.A.	98.10%
60-90	9.21	N.A.	1.70%
0-90	542.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	542.00	N.A.	100.00%

### LUMENS PER ZONE

Zone	Lumens	% Total
0-10	252.03	46.50%
10-20	172.35	31.80%
20-30	57.45	10.60%
30-40	25.47	4.70%
40-50	15.17	2.80%
50-60	8.67	1.60%
60-70	5.96	1.10%
70-80	3.25	0.60%
80-90	1.08	0.20%
90-100	0.00	0.00%

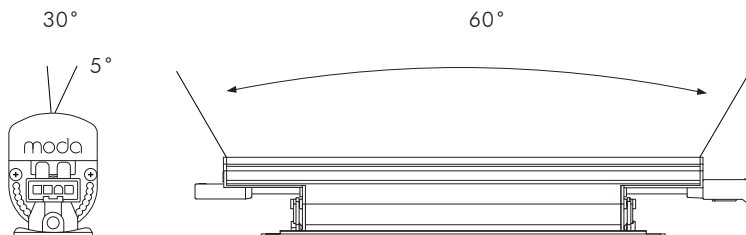
# modaLIGHT<sup>®</sup>

## SPECIFICATION

MODA GRAZE RS INTERIOR  
SO 3000K HCRI 1FT

30° x 60° x 5° BEAM ANGLE

Lumens	540.00
Efficacy (lm/w)	77.14

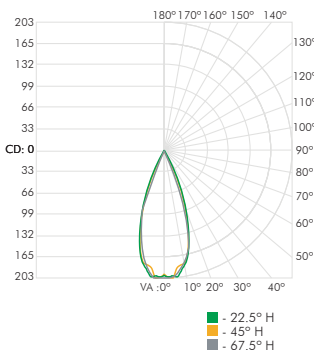


### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	50.00 fc	5.7 ft 5.6 ft
4.0 ft	12.50 fc	11.3 ft 11.3 ft
6.0 ft	6.25 fc	17.0 ft 16.9 ft
8.0 ft	3.12 fc	22.7 ft 22.5 ft
10.0 ft	1.56 fc	28.3 ft 28.2 ft
12.0 ft	1.25 fc	34.0 ft 33.8 ft

■ Vert. Spread: 109.6°  
■ Horiz. Spread: 109.3°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

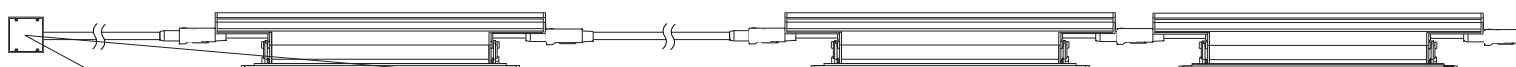
Zone	Lumens	% Lamp	% Fixt
0-30	480.06	N.A.	88.90%
0-40	505.98	N.A.	93.70%
0-60	529.74	N.A.	98.10%
60-90	9.18	N.A.	1.70%
0-90	540.00	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	540.00	N.A.	100.00%

### LUMENS PER ZONE

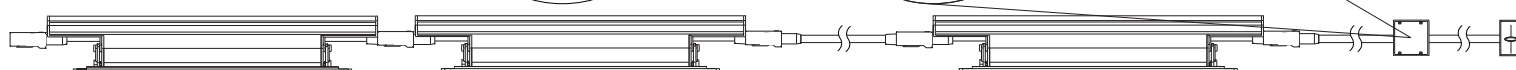
Zone	Lumens	% Total
0-10	251.10	46.50%
10-20	171.72	31.80%
20-30	57.24	10.60%
30-40	25.38	4.70%
40-50	15.12	2.80%
50-60	8.64	1.60%
60-70	5.94	1.10%
70-80	3.24	0.60%
80-90	1.08	0.20%
90-100	0.00	0.00%

## WIRING

### UL / cUL Non-dimming



### 0-10v Dimming



## WIRING LEGEND

UL / cUL	0-10v	CE/PSE*
Ground <span style="color: green;">—</span>	Ground <span style="color: green;">—</span>	Ground <span style="color: green;">—</span>
Live 100-277v <span style="color: black;">—</span>	Live 100-277v <span style="color: black;">—</span>	Live 100-277v <span style="color: brown;">—</span>
Neutral <span style="color: blue;">—</span>	Neutral <span style="color: blue;">—</span>	Neutral <span style="color: blue;">—</span>
Data <span style="color: grey;">—</span>	Data <span style="color: grey;">—</span>	Data <span style="color: grey;">—</span>

\*not illustrated

## MAX RUN LENGTHS

1ft using 120v AC	100 pcs
1ft using 277v AC	100 pcs

Due to continuous improvements and innovations, specifications may change without notice. Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.

VDC20171801  
955 White Drive Las Vegas, NV 89119 | T: 702 407 7775  
F: 702 407 7773 | www.modalight.com | © Copyright 2016

ACCESSORIES



MODA-COVE-GRAZE-RS  
LEADER-CABLE

Power to First Fixture of Run

Leader Cable	Connector
L: 10' (3.05m)	L: 1 2/5" (35mm)
	W: 1 1/10" (27mm)
	H: 2/5" (10mm)



MODA-COVE-GRAZE-RS  
JUMPER-CABLE

Connection Between Fixtures

Jumper Cable:	Connector
L: 1' (305mm)	L: 1 7/10" (43mm)
	W: 1 1/10" (27mm)
	H: 3/5" (15mm)



MODA-COVE-GRAZE-RS  
END-CAP

Must be Fixed to Last Fixture for Safety

L: 1 7/10" (43mm)
W: 1 1/10" (27mm)
H: 3/5" (15mm)

STANDARDS & CERTIFICATIONS

Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377-2015, CE & RoHS Compliant.
Class	1
Environment	Dry Location- IP20
Warranty	5 Year Limited Warranty