

Modul-Aim™

MOD1

Modular Base Unit (Patent Pending)

DESCRIPTION

A true modular approach that will let you configure linear, L, cross, square, staggered units and even more configurations by assembling the units together in a fast and easy way (Patent Pending).

SPECIFICATIONS

HOUSING DETAILS
 Powder coated, 22 gauge 0.036" (0.91 mm) galvanized steel housing.
 Can be configured with butterfly brackets and mounting bars in regular or suspended ceilings or with remodeler installation supports (Patent Pending) in standard ceiling applications only when renovating.
 Perfect fit into ceiling. No light leakage.
 Each part of the housing should be at LEAST 3" (76 mm) from insulation.
 Can fit in ceilings up to 2" (51 mm) thick for Remodeler and 1" (51 mm) for New Construction.
 Junction box is also accessible from below the ceiling for ease of maintenance.

LED ENGINE
Standard:
 Lumileds Luxeon CoB 1205, delivers a lumen maintenance greater than 70% after 50,000 hours of operation (L_{70}). Provides a high quality true color and a clean white light without hot spots. Color binning within 3 steps on MacAdam ellipse which surpasses ANSI binning requirements.

Offered in 2,700K, 3,000K, 3,500K and 4,000K. 90+ CRI (97 nominal).

Several driver models available offering 3 dimming options:
 ELV: 120V to 277V (20W and 40W)
 0-10V: 120V to 277V (20W and 40W)
 Lutron Ecosystem addressable: 120V to 277V (20W)

CrispWhite:
 Lumileds LUXEON CoB 1205 with CrispWhite Technology delivers the warm saturated colors of high 90 + CRI solutions while creating the natural crisp whiteness required for merchandising. Offered in 3,000K only.

Several driver models available offering 3 dimming options:
 ELV: 120V to 277V (20W and 40W)
 0-10V: 120V to 277V (20W and 40W)
 Lutron Ecosystem addressable: 120V to 277V (20W)

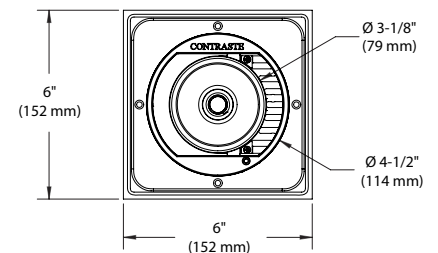
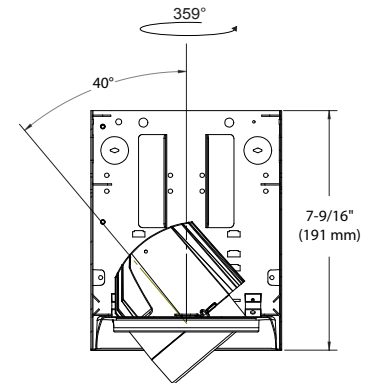
Lumenetix Warm Dimming:
 Lumenetix Araya DDM1 Dynamic Dimming Module delivers dimmable white light that warms as it dims reproducing dimming conditions of a halogen lamp. It allows the user to change the color temperature from 3,050K at full intensity to 1,800K at minimum intensity all this while ensuring a 90+ CRI over the full dimming range.
 Lumenetix: 100V to 240V (20W)

Lumenetix Color Tuning:
 Lumenetix Araya CTM1 Color Tuning Module allows the user to program millions of color combinations using a user friendly Bluetooth application available on iOS mobile devices. The application allows programming of different scenes, colors, and color temperatures while the day-to-day control is ensured by standard 0-10V wall mounted dimmers. 90+ CRI.
 Lumenetix: 100V to 240V (20W)

Project	
Notes	
Fixture Type	
Date	



MOD1-110X-XXX



Modul-Aim™

MOD1

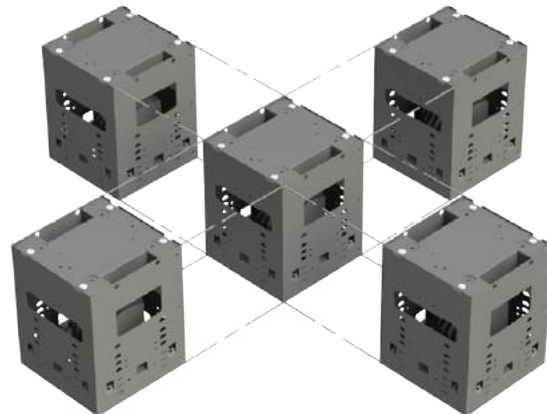
SPECIFICATIONS (CONT'D)

DELIVERED LUMENS	Performance 1 (20W) Standard: 1,267 lumens @ 3,000K, 63 lm/W Performance 2 (40W) Standard: 2,180 lumens @ 3,000K, 55 lm/W Performance 1 (20W) "CrispWhite": 1,195 lumens @ 3,000K, 56 lm/W Performance 2 (40W) "CrispWhite": 2,075 lumens @ 3,000K, 52 lm/W Warm Dimming (20W): 936 lumens @ 3,000K, 47 lm/W Color Tuning (20W): 936 lumens @ 4,000K, 47 lm/W	<i>* Average lumens output shown. Consult ies files on our Website for more details.</i>
UNIT FINISH	Powder coated: Matte White (-11) or Matte Black (-22)	
OPTIC SYSTEM	Interchangeable optional optical reflectors and lenses available to customize your lighting.	
	Choice of available lenses: Standard: No lens Accessories (sold separately): Clear (C), Frosted (F), Honeycombs (H), Linear (L), Prismatic (P) and Solite (S) (Color lenses available upon request.)	
	Optical reflectors available: (Standard and CrispWhite) S: Spot → 15° MS: Medium Spot → 19° M: Narrow Flood → 32° W: Flood → 45° <i>* Average beams shown. Consult ies files on our Website for more details.</i>	Optical reflectors available: (Lumenetix) M: Narrow Flood → 26° W: Flood → 41°
ADJUSTABILITY	Swivel: 359° Tilt: 40° Locking device: Only one screw to lock both axis into position.	
HEAT SINK	High quality aluminum injected heat sink ensuring maximum heat dissipation.	
CEILING CUTOUT	For a simple unit: 6-1/4" x 6-1/4" (159 mm x 159 mm)	
CERTIFICATION	<ul style="list-style-type: none"> cULus for damp locations Energy Star® certified 	
WARRANTY	1 year on components against manufacturing defects. 5 years on LED modules and drivers.	

MODULAR CONCEPT

The cubic shape of the MOD1 base unit allows you to configure it in almost any shape and any direction.

Use remodeler, new construction or suspension cable installation kits, depending on the application.



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2015-12

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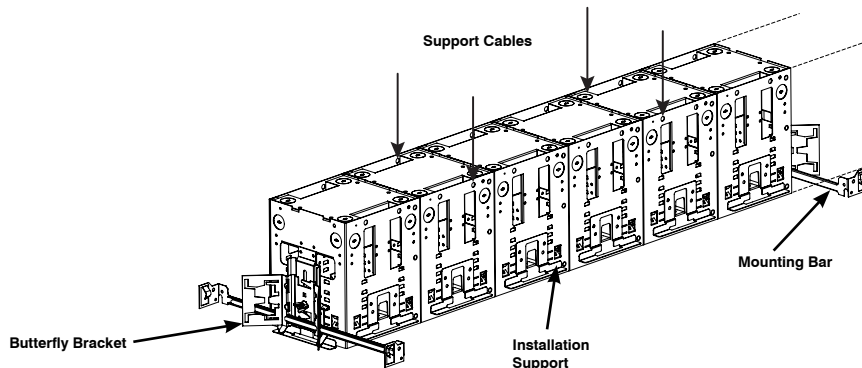
MODULAR CONCEPT (CONT'D)

General limitations

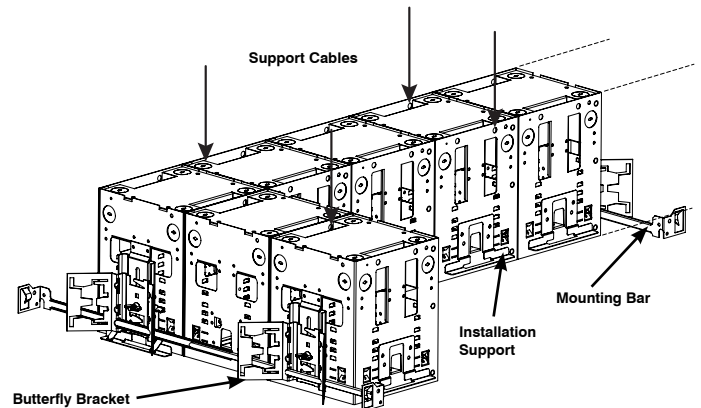
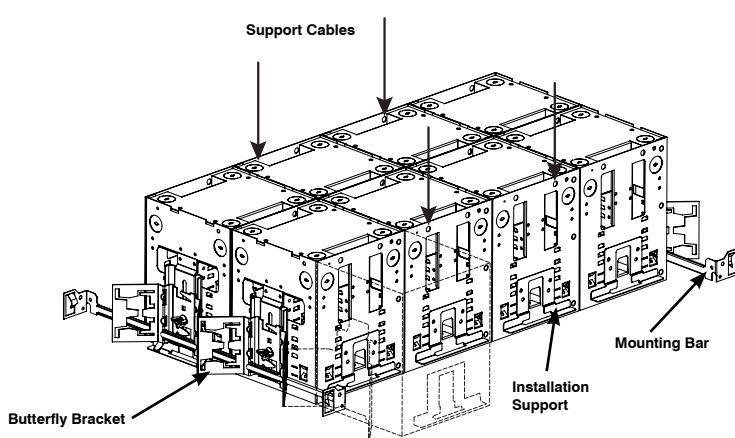
- Maximum of 20 units per electrical circuit
- 8-1/2" clearance in height required in the ceiling
- Each unit weighs 5 pounds. Respect your national and local building codes regarding weight permitted in a ceiling
- Modul-Aim product configurator is available on our Website to help you calculate required installation kits based on your configuration

New Construction Limitations

- Three rows maximum
- One new construction installation kit (INST-NW) including two butterfly brackets, 2 mounting bars and 6 installation supports to be installed on each row
- For more than 5 units in a row, cables (INST-SU) fixed to the building structure are required in addition to the New Construction installation kit (INST-NW)



- Two new construction installation kits (INST-NW) are required for double and triple rows. Position two butterfly brackets and one mounting bar on each side of the row. Install the installation supports along the row



**Note: A triple row assembly requires a ceiling space of 20" between joists.
Make sure you have enough room to install the unit.**



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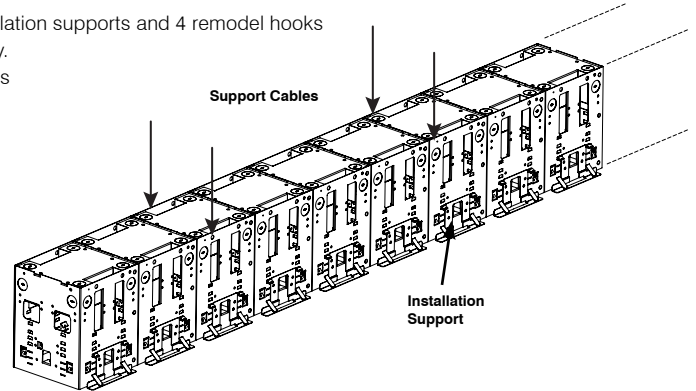
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MOD1

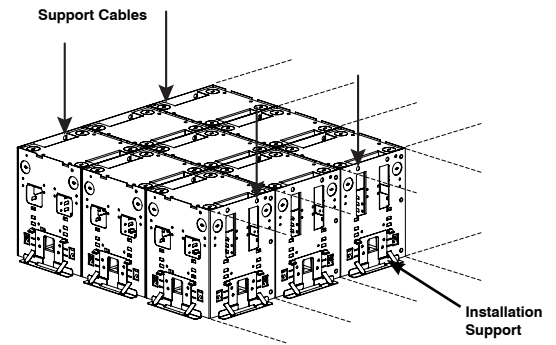
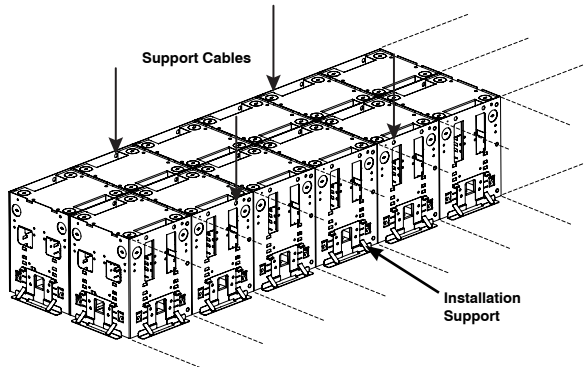
MODULAR CONCEPT (CONT'D)

Remodeler Limitations

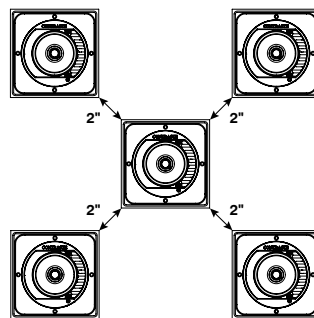
- Single or double rows: One remodeler installation kit (INST-RE) including 2 installation supports and 4 remodel hooks is required per 2 supporting faces and must be installed all around the assembly. Cables (INST-SU) fixed to the building structure are required for more than 9 units



- 3 rows, 4 rows and more: One remodeler installation kit (INST-RE) per 2 supporting faces is required and must be installed all around the assembly. Cables (INST-SU) fixed to the building structure are required for more than 8 units



- For a checkboard pattern, available in remodeler only, a space of 2" is required between each unit corners. Structural reinforcement may be required and is the installer responsibility



Suspension Installation

- Each unit weighs 5 pounds. Plan enough cables to fix to the structure to support your assembly
- Our suspension installation kit (INST-SU) sold as an accessory, supports a maximum of 20 units. For product configurations exceeding that limit, plan enough suspension cables
- Suspension installation kit (INST-SU) can act as support cables to complete remodeler (INST-RE) and new construction (INST-NW) installation kits



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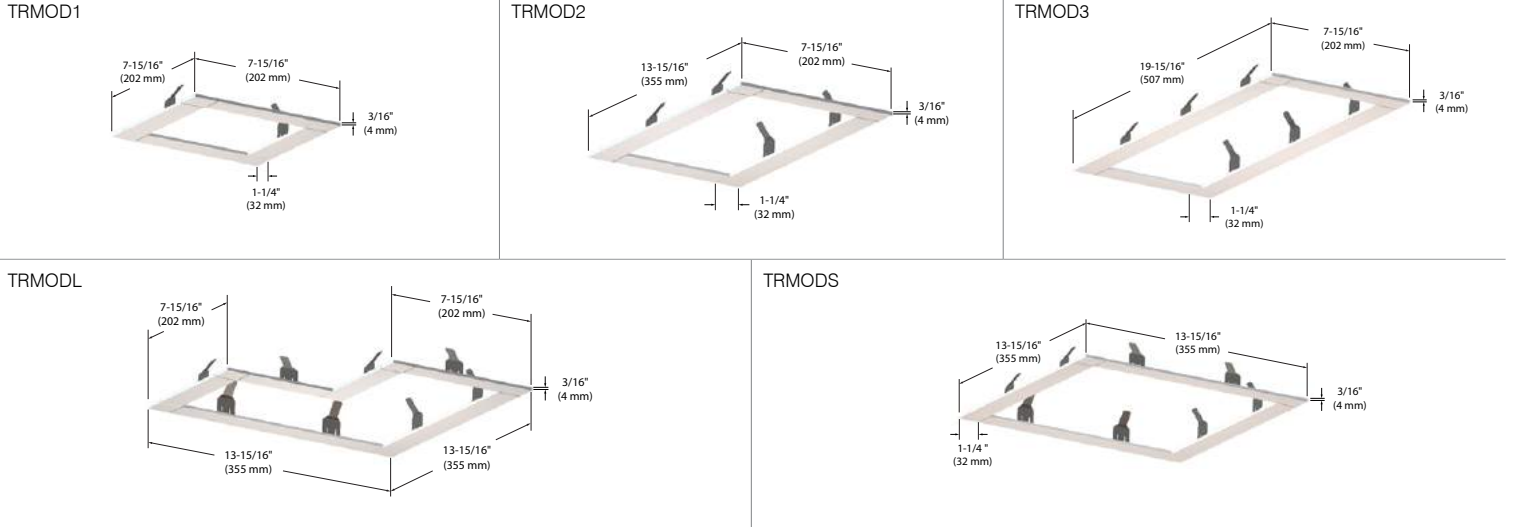
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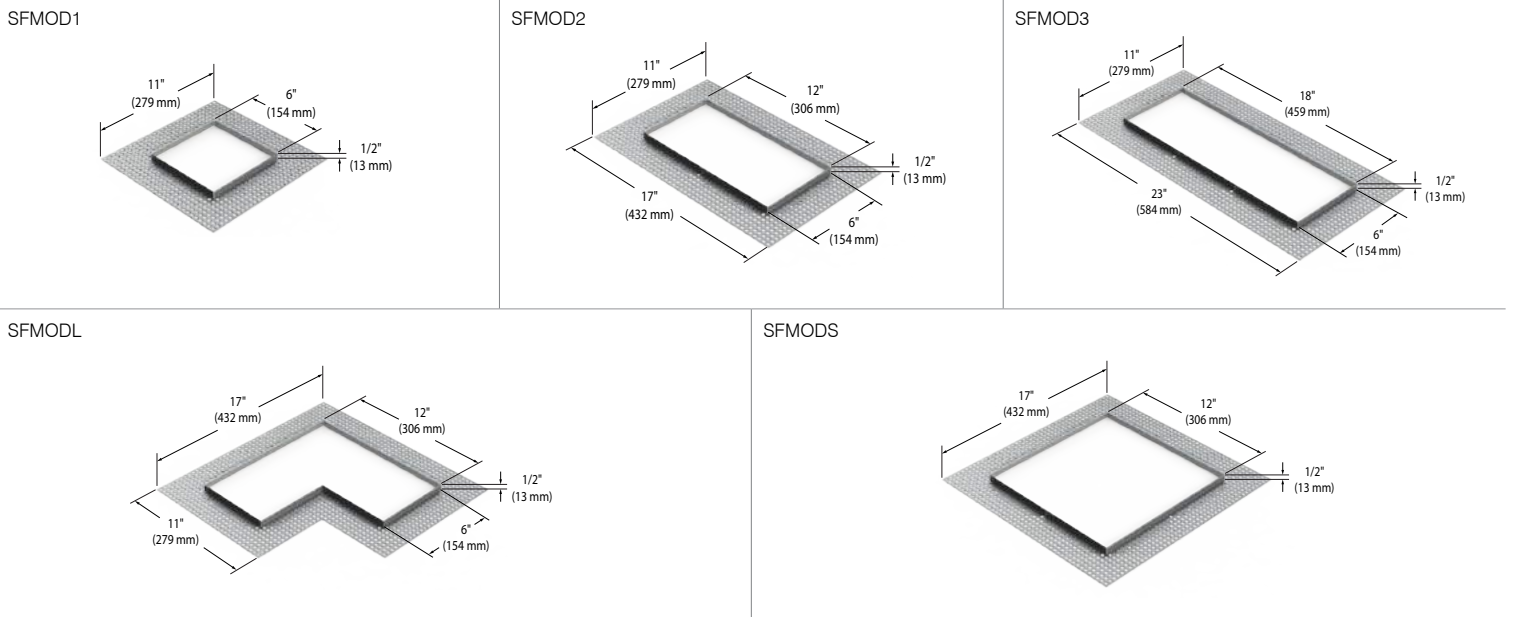
MOD1

TRIMS

Available finishes: Matte White (-11), Metallic Grey (-15) and Matte Black (-22)



MESH PLATE (Trimless)



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MASK

Available finishes: Matte White (-11) and Matte Black (-22)

MASK1-11



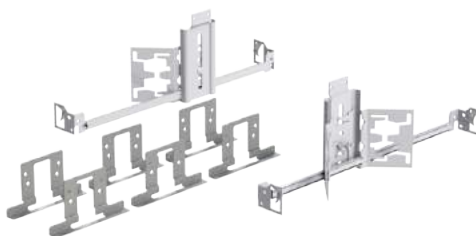
MASK1-22



INSTALLATION KIT

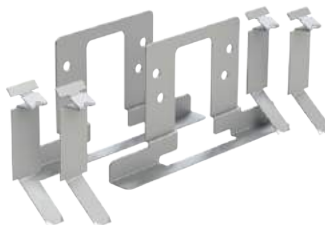
New Construction Installation Kit INST-NW

- 6 Installation Supports
- 2 Butterfly Brackets
- 2 Adjustable Mounting Bars (14-1/4" to 26")
- Screws included



Remodel Installation Kit INST-RE

- 2 Installation Supports
- 4 Remodel Hooks
- Screws included



Suspension Installation Kit INST-SU

- 2 Cables 10'
- 2 Hooks per Cable
- 2 Adjustable Snap Hook



* Can act as support cables to complete remodeler (INST-RE) and new construction installation kit (INST-NW).

INSTALLATION ACCESSORIES

Support Bracket MOD 103806

* Screws not included



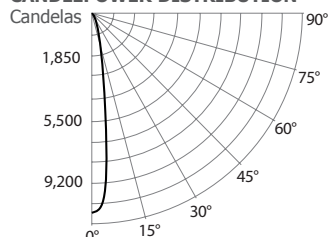
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MOD1

PHOTOMETRIC DATA

3,000K, 90 + of CRI, Spot, Performance 1

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	291.4	1.5
08'	163.9	2.0
10'	104.9	2.5
12'	72.9	3.0
14'	53.5	3.5
16'	41.0	4.0

Beam: 14.2"
Beam Edge defined as 50% of Maximum Nadir Candlepower.

LUMINAIRE

Modul-Aim Performance 1 LED	3,000K Spot
CBCP / Lumens	10,492 / 1,241
Watts	120V 277V 20.9W 21.4W
Operating AMPS	0.17A 0.07A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	90 +
Lumens/Watt	59.3
Spacing Criteria	0.24

COEFFICIENT OF UTILIZATION - %

RCC %	80			50			30		
RWC %	50	30	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106	106	
	2	108	105	103	101	100	98		
	4	99	95	96	93	94	92		
	6	92	88	90	87	89	86		
	8	87	82	85	82	84	81		
	10	82	78	81	77	80	77		

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,121.7	90.4%
0-40	1,231.5	99.2%
0-60	1,241.0	100%
60-90	0	0%
0-90	1,241.0	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	62	0.93
6'	35	0.52
7'	24	0.36
8'	24	0.36
9'	16	0.23

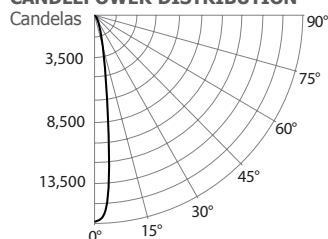
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	10,492	40	17
5	7,932	50	3
10	2,683	60	0
15	1,017	70	0
20	613	80	0
25	534	90	0
30	458		

3,000K, 90 + of CRI, Spot, Performance 2

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	458.1	1.5
08'	257.7	2.0
10'	164.9	2.5
12'	114.5	3.0
14'	84.1	3.5
16'	64.4	4.0

Beam: 14.2"
Beam Edge defined as 50% of Maximum Nadir Candlepower.

LUMINAIRE

Modul-Aim Performance 2 LED	3,000K Spot
CBCP / Lumens	16,491 / 1,950.5
Watts	120V 277V 38.7W 39.2W
Operating AMPS	0.32A 0.14A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	90 +
Lumens/Watt	50.4
Spacing Criteria	0.24

COEFFICIENT OF UTILIZATION - %

RCC %	80			50			30		
RWC %	50	30	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106	106	
	2	108	105	103	101	100	98		
	4	99	95	96	93	94	92		
	6	92	88	90	87	89	86		
	8	87	82	85	82	84	81		
	10	82	78	81	77	80	77		

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,762.9	90.4%
0-40	1,935.5	99.2%
0-60	1,950.5	100%
60-90	0	0%
0-90	1,950.5	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	98	1.72
6'	55	0.96
7'	38	0.67
8'	38	0.67
9'	24	0.43

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	16,491	40	27
5	12,466	50	4
10	4,217	60	0
15	1,598	70	0
20	963	80	0
25	839	90	0
30	720		



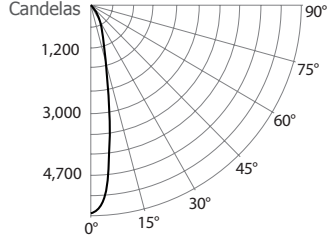
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PHOTOMETRIC DATA

3,000K, 90 + of CRI, Medium Spot, Performance 1

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	164.6	2.1
08'	92.6	2.9
10'	59.3	3.6
12'	41.2	4.3
14'	30.2	5.0
16'	23.1	5.7

Beam: 20.2°
Beam Edge defined as 50% of Maximum Nadir Candlepower.

LUMINAIRE

Modul-Aim Performance 1 LED	3,000K Medium Spot	
CBCP / Lumens	5,926	/ 1,194.4
Watts	120V	277V
	20.9W	21.4W
Operating AMPS	0.17A	0.07A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90 +	
Lumens/Watt	57.1	
Spacing Criteria	0.35	

COEFFICIENT OF UTILIZATION - %

RCC %	80			50			30		
RWC %	50	30	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106	106	
	2	107	104	102	100	99	97		
	4	98	93	94	91	93	90		
	6	90	86	88	84	87	83		
	8	84	79	82	79	81	78		
	10	78	74	77	74	77	73		

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,068.3	89.4%
0-40	1,182.3	99%
0-60	1,194.4	100%
60-90	0	0%
0-90	1,194.4	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	60	0.93
6'	34	0.52
7'	23	0.36
8'	23	0.36
9'	15	0.23

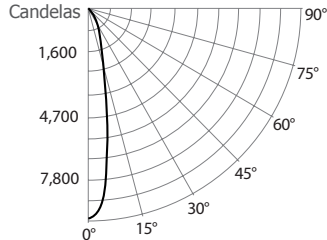
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	5,926	40	27
5	5,139	50	3
10	3,003	60	0
15	1,287	70	0
20	741	80	0
25	545	90	0
30	453		

3,000K, 90 + of CRI, Medium Spot, Performance 2

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	258.7	2.1
08'	145.5	2.9
10'	93.1	3.6
12'	64.7	4.3
14'	47.5	5.0
16'	36.4	5.7

Beam: 20.2°
Beam Edge defined as 50% of Maximum Nadir Candlepower.

LUMINAIRE

Modul-Aim Performance 2 LED	3,000K Medium Spot	
CBCP / Lumens	9,313	/ 1,877.1
Watts	120V	277V
	38.8W	39.3W
Operating AMPS	0.32A	0.14A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90 +	
Lumens/Watt	48.4	
Spacing Criteria	0.35	

COEFFICIENT OF UTILIZATION - %

RCC %	80			50			30		
RWC %	50	30	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106	106	
	2	107	104	102	100	99	97		
	4	98	93	94	91	93	90		
	6	90	86	88	84	87	83		
	8	84	79	82	79	81	78		
	10	78	74	77	74	77	73		

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,678.8	89.4%
0-40	1,858.0	99%
0-60	1,877.1	100%
60-90	0	0%
0-90	1,877.1	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	94	1.72
6'	53	0.97
7'	37	0.67
8'	37	0.67
9'	23	0.43

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	9,313	40	43
5	8,076	50	5
10	4,719	60	0
15	2,022	70	0
20	1,165	80	0
25	857	90	0
30	711		



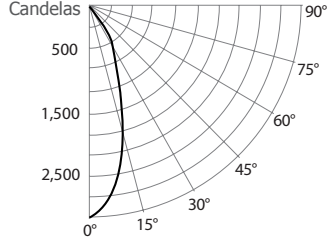
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MOD1

PHOTOMETRIC DATA

3,000K, 90 + of CRI, Narrow Flood, Performance 1

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	82.4	3.6
08'	46.3	4.8
10'	29.7	6.0
12'	20.6	7.2
14'	15.1	8.4
16'	11.6	9.6

Beam: 33.5°
Beam Edge defined as 50% of Maximum Nadir Candlepower.

LUMINAIRE

Modul-Aim Performance 1 LED	3,000K	Narrow Flood
CBCP / Lumens	2,965	/ 1,189.5
Watts	120V	277V
	20.9W	21.4W
Operating AMPS	0.17A	0.07A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90 +	
Lumens/Watt	56.9	
Spacing Criteria	0.58	

COEFFICIENT OF UTILIZATION - %

RCC %	80		50		30		
RWC %	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106
	2	106	102	101	98	98	96
	4	95	91	92	88	90	87
	6	86	82	84	80	83	79
	8	79	74	78	73	77	73
	10	73	68	72	68	71	67

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,053.4	88.6%
0-40	1,173.8	98.7%
0-60	1,185.8	99.7%
60-90	3.7	0.3%
0-90	1,189.5	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	59	0.93
6'	33	0.52
7'	23	0.36
8'	23	0.36
9'	15	0.23

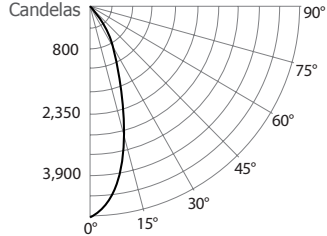
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	2,965	40	23
5	2,810	50	4
10	2,348	60	2
15	1,722	70	1
20	1,065	80	1
25	715	90	0
30	502		

3,000K, 90 + of CRI, Narrow Flood, Performance 2

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	129.4	3.6
08'	72.8	4.8
10'	46.6	6.0
12'	32.4	7.2
14'	23.8	8.4
16'	18.2	9.6

Beam: 33.5°
Beam Edge defined as 50% of Maximum Nadir Candlepower.

LUMINAIRE

Modul-Aim Performance 2 LED	3,000K	Narrow Flood
CBCP / Lumens	4,659	/ 1,869.2
Watts	120V	277V
	38.8W	39.3W
Operating AMPS	0.32A	0.14A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90 +	
Lumens/Watt	48.1	
Spacing Criteria	0.58	

COEFFICIENT OF UTILIZATION - %

RCC %	80		50		30		
RWC %	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106
	2	106	102	101	98	98	96
	4	95	91	92	88	90	87
	6	86	82	84	80	83	79
	8	79	74	78	73	77	73
	10	73	68	72	68	71	67

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,655.4	88.6%
0-40	1,844.6	98.7%
0-60	1,863.4	99.7%
60-90	5.8	0.3%
0-90	1,869.2	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	92	1.72
6'	52	0.97
7'	36	0.67
8'	36	0.67
9'	23	0.43

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	4,659	40	37
5	4,416	50	6
10	3,690	60	4
15	2,707	70	2
20	1,674	80	2
25	1,124	90	0
30	789		



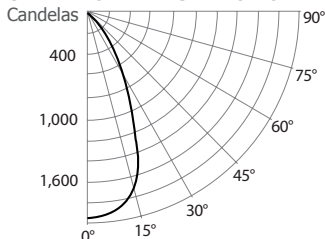
Modul-Aim™

MOD1

PHOTOMETRIC DATA

3,000K, 90 + of CRI, Flood, Performance 1

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	54.4	5.4
08'	30.6	7.2
10'	19.6	8.9
12'	13.6	10.7
14'	10.0	12.5
16'	7.6	14.3

Beam: 48.2"
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Modul-Aim Performance 1 LED	3,000K Flood
CBCP / Lumens	1,958 / 1,225.9
Watts	120V 277V 20.9W 21.4W
Operating AMPS	0.17A 0.07A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	90 +
Lumens/Watt	58.7
Spacing Criteria	0.82

COEFFICIENT OF UTILIZATION - %

RCC %	80			50			30		
RWC %	50	30	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106	106	
	2	105	101	100	98	97	95		
	4	94	89	90	87	89	85		
	6	84	79	82	78	81	77		
	8	76	71	75	70	74	70		
	10	69	64	68	64	68	63		

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,061.0	86.6%
0-40	1,212.8	98.9%
0-60	1,224.7	99.9%
60-90	1.1	0.1%
0-90	1,225.9	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	60	0.93
6'	34	0.52
7'	23	0.36
8'	23	0.36
9'	15	0.23

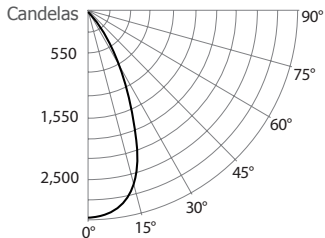
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	1,958	40	34
5	1,910	50	4
10	1,845	60	2
15	1,697	70	0
20	1,316	80	0
25	910	90	0
30	600		

3,000K, 90 + of CRI, Flood, Performance 2

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	85.5	5.4
08'	48.1	7.2
10'	30.8	8.9
12'	21.4	10.7
14'	15.7	12.5
16'	12.0	14.3

Beam: 48.2"
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Modul-Aim Performance 2 LED	3,000K Flood
CBCP / Lumens	3,078 / 1,926.8
Watts	120V 277V 39.0W 39.5W
Operating AMPS	0.33A 0.14A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	90 +
Lumens/Watt	49.4
Spacing Criteria	0.82

COEFFICIENT OF UTILIZATION - %

RCC %	80			50			30		
RWC %	50	30	50	30	50	30	50	30	
RCR	0	119	119	111	111	106	106	106	
	2	105	101	100	98	97	95		
	4	94	89	90	87	89	85		
	6	84	79	82	78	81	77		
	8	76	71	75	70	74	70		
	10	69	64	68	64	68	63		

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,667.7	86.6%
0-40	1,906.2	98.9%
0-60	1,925.0	99.9%
60-90	1.8	0.1%
0-90	1,926.8	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	94	1.73
6'	53	0.97
7'	37	0.68
8'	37	0.68
9'	24	0.43

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflection factor of 80%/50%/30%.

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS	DEGREES/VERTICAL	CANDELAS
0	3,078	40	54
5	3,002	50	7
10	2,901	60	3
15	2,667	70	1
20	2,068	80	0
25	1,430	90	0
30	943		



Modul-Aim™

MOD1

LIGHTING FACTS

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1905
Watts	42.3
Lumens per Watt (Efficacy)	45

Color Accuracy Color Rendering Index (CRI)	96
---	----

Light Color
Correlated Color Temperature (CCT) **2735 (Warm White)**

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-MODHYZ (6/22/2015)
Model Number: MOD1-XX-D2-27M
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1957
Watts	42.45
Lumens per Watt (Efficacy)	46.1

Color Accuracy Color Rendering Index (CRI)	96
---	----

Light Color
Correlated Color Temperature (CCT) **2735 (Warm White)**

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-4QLVXX (6/22/2015)
Model Number: MOD1-XX-D2-27MS
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	2048
Watts	42.28
Lumens per Watt (Efficacy)	48.4

Color Accuracy Color Rendering Index (CRI)	96
---	----

Light Color
Correlated Color Temperature (CCT) **2738 (Warm White)**

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-CDK109 (6/22/2015)
Model Number: MOD1-XX-D2-27S
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1999
Watts	42.3
Lumens per Watt (Efficacy)	47.3

Color Accuracy Color Rendering Index (CRI)	96
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Light Color
Correlated Color Temperature (CCT) **2730 (Warm White)**

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-JP-JUBZ (6/22/2015)
Model Number: MOD1-XX-E1-27M
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1155
Watts	20.98
Lumens per Watt (Efficacy)	55.1

Color Accuracy Color Rendering Index (CRI)	97
---	----

Light Color
Correlated Color Temperature (CCT) **2763 (Warm White)**

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-33Q5KS (6/22/2015)
Model Number: MOD1-XX-E1-27MS
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1155
Watts	20.98
Lumens per Watt (Efficacy)	55.05

Color Accuracy Color Rendering Index (CRI)	97
---	----

Light Color
Correlated Color Temperature (CCT) **2763 (Warm White)**

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-8K2QLE (6/22/2015)
Model Number: MOD1-XX-E1-27MS
Type: Luminaire - Downlight



CONTRAST

L I G H T I N G

Modul-Aim™

MOD1

LIGHTING FACTS (CONT'D)

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1249
Watts	20.99
Lumens per Watt (Efficacy)	59.5

Color Accuracy
Color Rendering Index (CRI) 97

Light Color
Correlated Color Temperature (CCT) 2767 (Warm White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-L7FQVM (8/22/2015)
Model Number: MOD1-XX-E1-276
Type: Luminaire - Downright

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1208
Watts	20.99
Lumens per Watt (Efficacy)	57.6

Color Accuracy
Color Rendering Index (CRI) 97

Light Color
Correlated Color Temperature (CCT) 2760 (Warm White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-QXM5Q2 (8/22/2015)
Model Number: MOD1-XX-E1-27W
Type: Luminaire - Downright

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1981
Watts	39.05
Lumens per Watt (Efficacy)	50.7

Color Accuracy
Color Rendering Index (CRI) 90

Light Color
Correlated Color Temperature (CCT) 3010 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: LVBP-QBFDCE (8/22/2015)
Model Number: MOD1-XX-D2-30W
Type: Luminaire - Downright

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	1268
Watts	20.9
Lumens per Watt (Efficacy)	60.7

Color Accuracy
Color Rendering Index (CRI) 91

Light Color
Correlated Color Temperature (CCT) 2995 (Warm White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008, Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

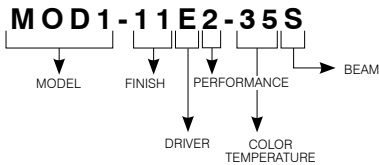
Registration Number: LVBP-Q211AA (8/22/2015)
Model Number: MOD1-XX-E1-30W
Type: Luminaire - Downright



Modul-Aim™

MOD1

MODULAR BASE UNIT WITH STANDARD LED ENGINE CODIFICATION EXAMPLE

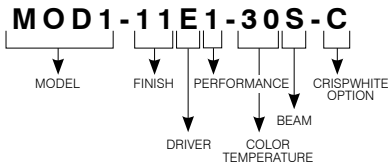


ORDERING CODE for Modular Base Unit with Standard LED Engine

MODEL	FINISH	DRIVER	PERFORMANCE	COLOR TEMPERATURE	BEAM	
MOD1						
MOD1	Modular Base Unit	-11 Matte White -22 Matte Black	E ELV D 0-10V A Lutron Ecosystem Addressable	1 1,267 Lumens (delivered) 2 2,180 Lumens (delivered)	-27 2,700K -30 3,000K -35 3,500K -40 4,000K	S Spot 15° MS Medium Spot 19° M Narrow Flood 32° W Flood 45°
(Available with Performance 1 only)						

Installation kits, trim, mask and trimless mesh plate to be ordered separately based on your configuration.

MODULAR BASE UNIT WITH CRISPWHITE TECHNOLOGY CODIFICATION EXAMPLE



ORDERING CODE for Modular Base Unit with CrispWhite Technology

MODEL	FINISH	DRIVER	PERFORMANCE	COLOR TEMPERATURE	BEAM	CRISPWHITE OPTION	
MOD1				-30		-C	
MOD1	Modular Base Unit	-11 Matte White -22 Matte Black	E ELV D 0-10V A Lutron Ecosystem Addressable	1 1,195 Lumens (delivered) 2 2,075 Lumens (delivered)	-30 3,000K	S Spot 15° MS Medium Spot 19° M Narrow Flood 32° W Flood 45°	-C CrispWhite Technology
(Available with Performance 1 only)							

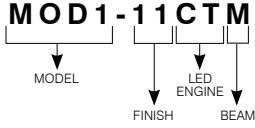
Installation kits, trim, mask and trimless mesh plate to be ordered separately based on your configuration.



Modul-Aim™

MOD1

MODULAR BASE UNIT WITH LUMENETIX ENGINE CODIFICATION EXAMPLE

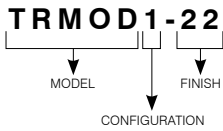


ORDERING CODE for Modular Base Unit with Lumenetix Engine

MODEL	FINISH	LED ENGINE	BEAM
MOD1			
MOD1 Modular Base Unit	-11 Matte White -22 Matte Black	CT Color Tuning WD Warm Dimming	M Narrow Flood 26° W Flood 41°

Installation kits, trim, mask and trimless mesh plate to be ordered separately based on your configuration.

TRIM CODIFICATION EXAMPLE



ORDERING CODE for Trim

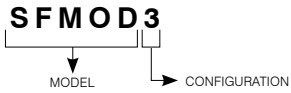
MODEL	CONFIGURATION	FINISH
TRMOD		
TRMOD	1 1 unit 2 2 units 3 3 units L 3 units "L" shape S 4 units square shape	-11 Matte White -15 Metallic Grey -22 Matte Black



Modul-Aim™

MOD1

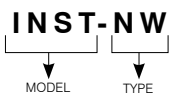
MESH PLATE (TRIMLESS) CODIFICATION EXAMPLE



ORDERING CODE for Mesh Plate (Trimless)

MODEL	CONFIGURATION
SF MOD	
SF MOD	1 1 unit
	2 2 units
	3 3 units
	L 3 units "L" shape
	S 4 units square shape

INSTALLATION KIT CODIFICATION EXAMPLE



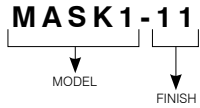
ORDERING CODE for Installation Kit

MODEL	TYPE
INST	
INST	-NW New Construction Installation Kit
	-RE Remodel Installation Kit
	-SU Suspension Installation Kit



Modul-Aim™**MOD1**

MASK CODIFICATION EXAMPLE



ORDERING CODE for Mask

MODEL	FINISH
MASK1	
MASK1	-11 Matte White
	-22 Matte Black

INSTALLATION ACCESSORIES

New Construction Installation Kit: INST-NW**Remodel Installation Kit:** INST-RE**Suspension Installation Kit:** INST-SU**Support Bracket MOD:** 103806

ORDERING CODES for replacement lenses and reflectors

For future on site modifications of the light distribution.

Lenses (to modify light diffusion)

Clear: **103105**
 Frosted: **103189**
 Honeycombs: **103822**
 Linear: **103823**
 Prismatic: **103824**
 Solite: **100741**

Reflectors (to modify the beam angle)*** Only with standard engine and CrispWhite technology**

For a Spot: **103737**
 For a Medium Spot: **103738**
 For a Narrow Flood: **103739**
 For a Flood: **316545**

CONTRAST
 LIGHTING

2015-12

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