

**Modul-Aim™**

NWMOD

Project

Notes

Fixture Type

Date

**Assembled New Construction Housings  
(Patent Pending)**

## DESCRIPTION

Assembled Modul-Aim units for new construction installations offered in 1, 2, 3, "L" or 4 "square" head configurations.



## SPECIFICATIONS

HOUSING  
DETAILS

Powder coated, 22 gauge 0.036" (0.91 mm) galvanized steel housing.  
Configured with butterfly brackets (Patent Pending) with mounting bars for fixed or suspended ceilings (included).  
Perfect fit into ceiling. No light leakage.  
Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configuration).  
Can fit in ceilings up to 1" (25 mm) thick.  
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)



**CONTRAST**  
LIGHTING

2015-12

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# Modul-Aim™

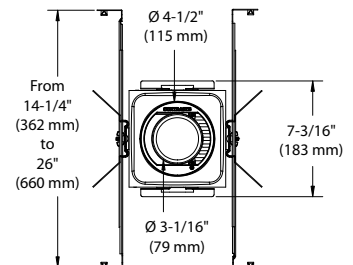
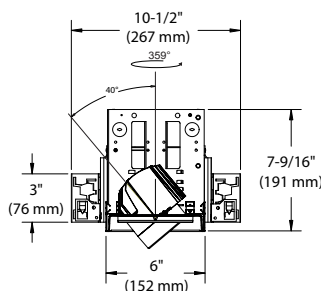
## NWMOD

### SPECIFICATIONS (CONT'D)

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

### ASSEMBLED MODELS

#### NWMOD1

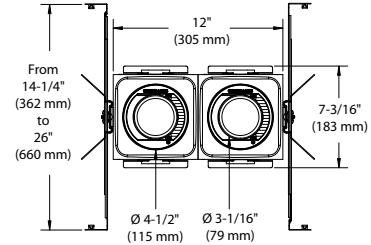
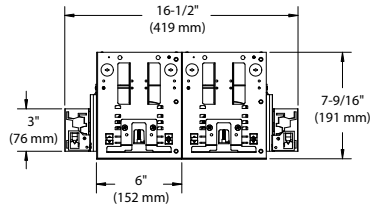


# Modul-Aim™

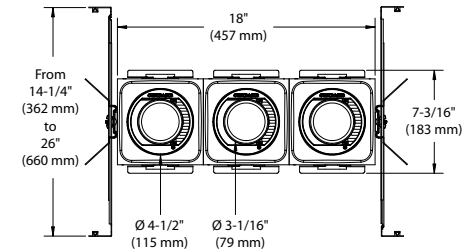
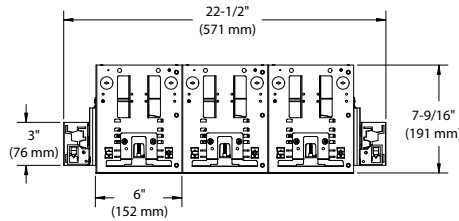
NWMOD

## ASSEMBLED MODELS (CONT'D)

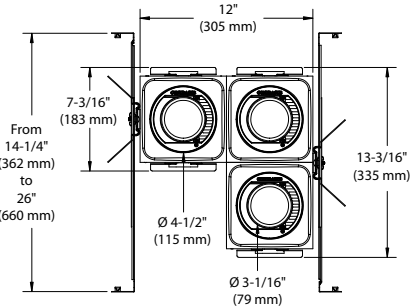
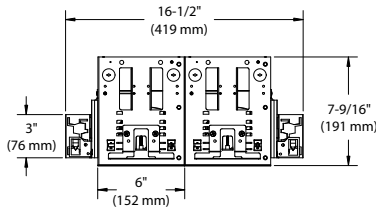
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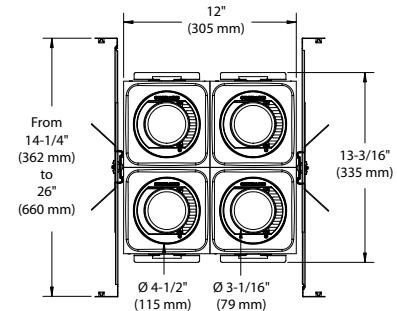
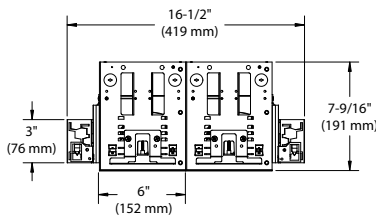
### NWMOD3



### NWMODL



### NWMODS



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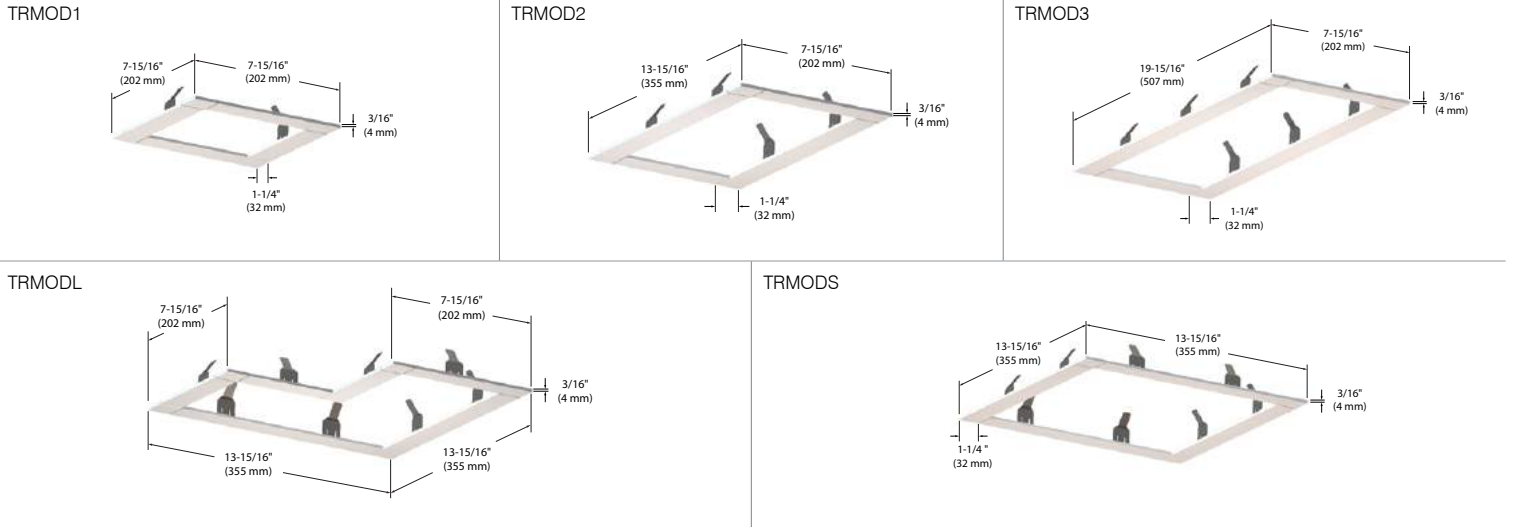
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# Modul-Aim™

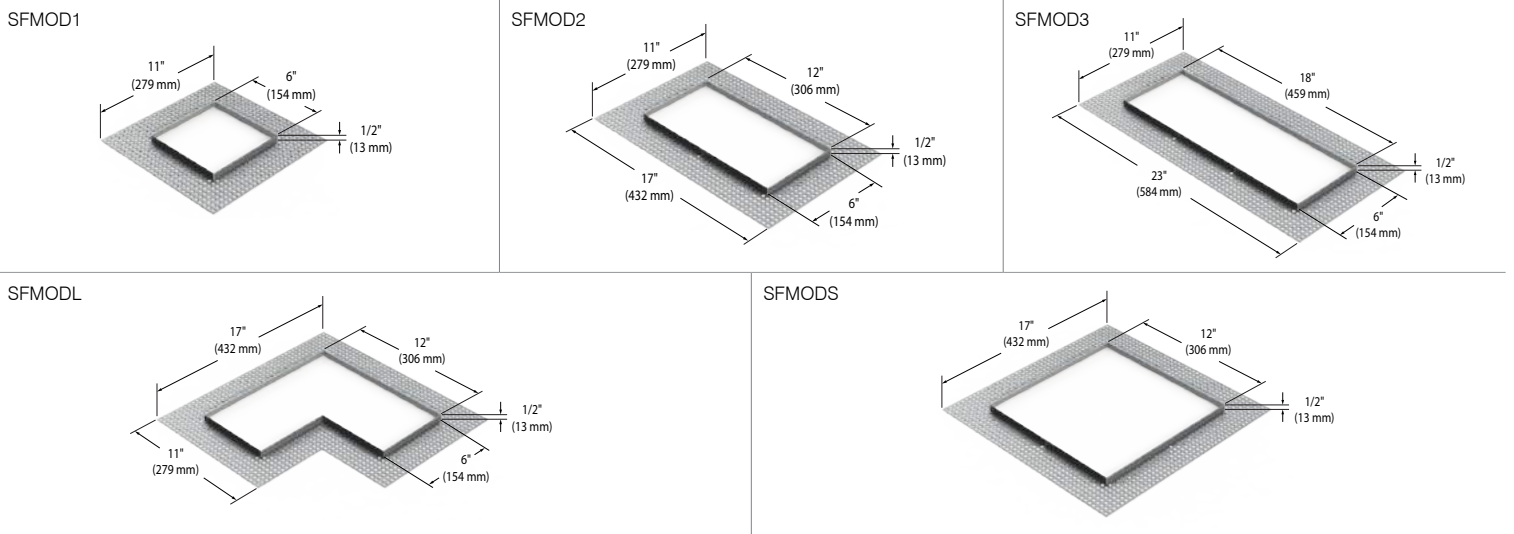
## NWMOD

### TRIMS

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



### MESH PLATE (Trimless)



### MASK

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



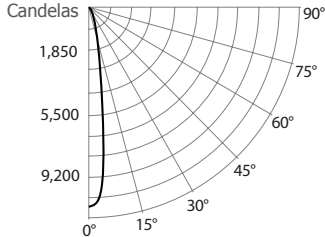
# Modul-Aim™

NWMOD

## 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	
RCR	0	119	119	111	111	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

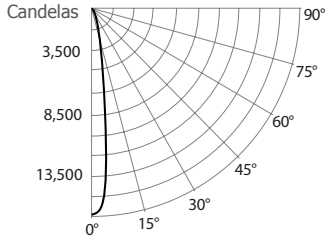
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflection factor of 80%/50%/30%.

#### 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	
RCR	0	119	119	111	111	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		



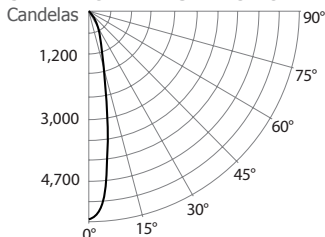
# Modul-Aim™

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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

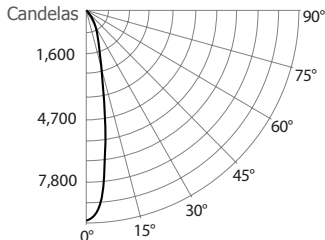
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflection factor of 80%/50%/30%.

#### 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		



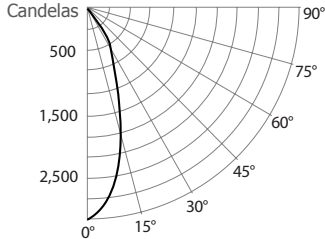
# Modul-Aim™

NWMOD

## 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

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

#### COEFFICIENT OF UTILIZATION - %

RCC %	80		50		30		
RWC %	50	30	50	30	50	30	
<b>RCR</b>	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

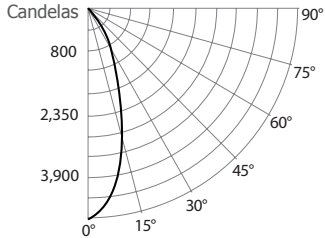
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflection factor of 80%/50%/30%.

#### 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

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

#### COEFFICIENT OF UTILIZATION - %

RCC %	80		50		30		
RWC %	50	30	50	30	50	30	
<b>RCR</b>	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		



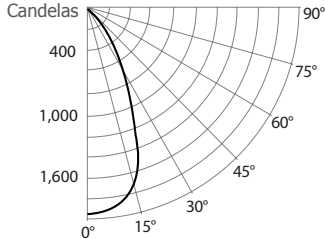
# Modul-Aim™

NWMOD

## 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

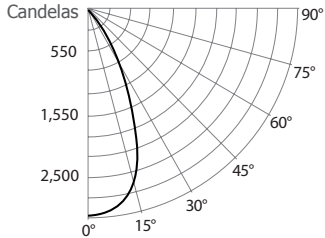
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflection factor of 80%/50%/30%.

#### 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™

NWMOD

## 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	96
Color Rendering Index (CRI)	

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](http://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	96
Color Rendering Index (CRI)	

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](http://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	96
Color Rendering Index (CRI)	

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](http://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	96
Color Rendering Index (CRI)	

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](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: LVBP-JP-JUBZ (6/22/2015)  
Model Number: MOD1-XX-D2-27W  
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	97
Color Rendering Index (CRI)	

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](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: LVBP-33Q5KS (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)	55.05

Color Accuracy	97
Color Rendering Index (CRI)	

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](http://www.lightingfacts.com) for the Label Reference Guide.

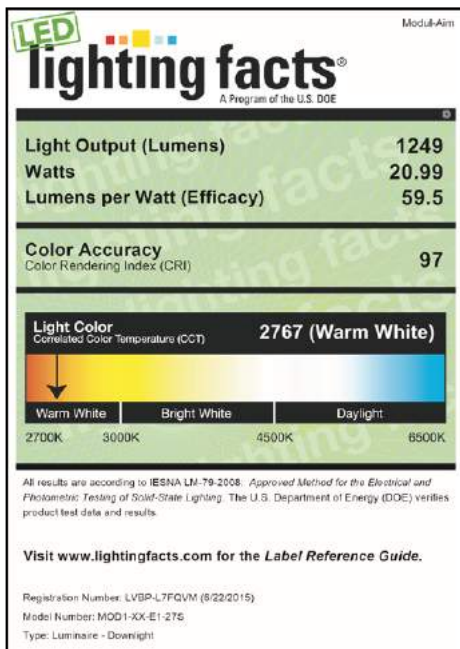
Registration Number: LVBP-8K2QLE (6/22/2015)  
Model Number: MOD1-XX-E1-27MS  
Type: Luminaire - Downlight



# Modul-Aim™

NWMOD

## 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)

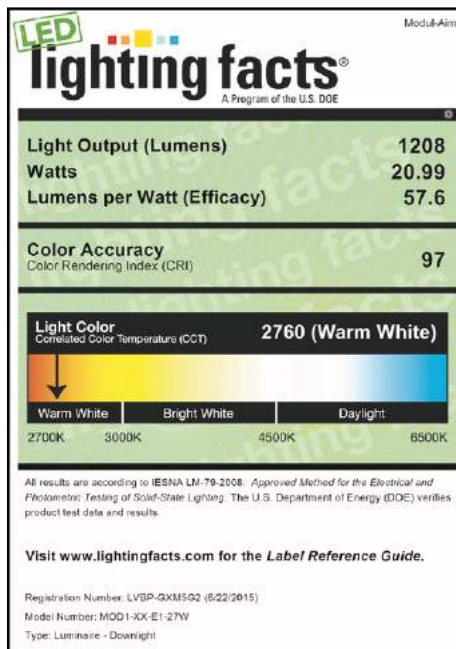


Warm White | Bright White | Daylight  
2700K | 3000K | 4500K | 6500K

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](http://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)

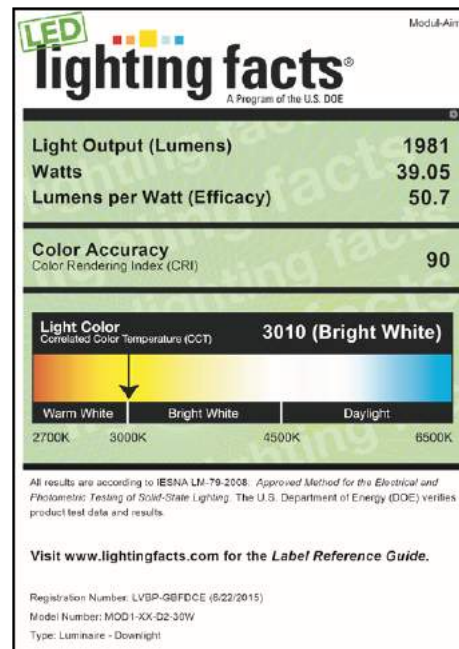


Warm White | Bright White | Daylight  
2700K | 3000K | 4500K | 6500K

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](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: LVBP-QXM5Q2 (8/22/2015)  
Model Number: MOD1-XX-E1-2760  
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)

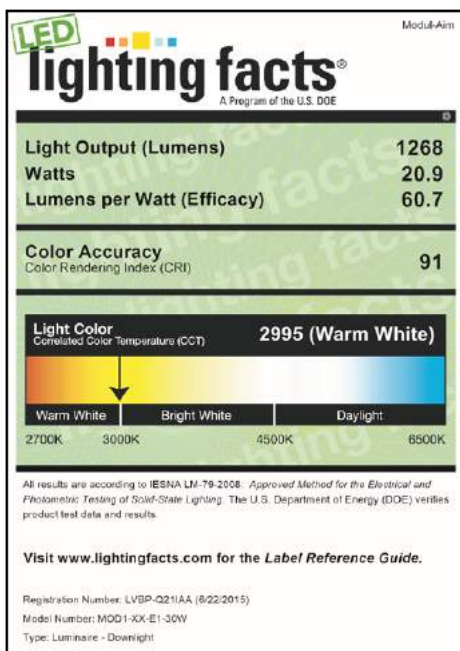


Warm White | Bright White | Daylight  
2700K | 3000K | 4500K | 6500K

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](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: LVBP-QBFDCE (8/22/2015)  
Model Number: MOD1-XX-E1-3010  
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](http://www.lightingfacts.com) for the Label Reference Guide.

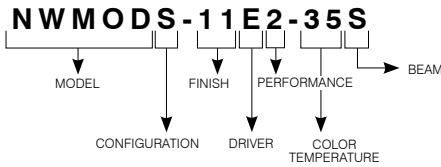
Registration Number: LVBP-Q211AA (8/22/2015)  
Model Number: MOD1-XX-E1-30W  
Type: Luminaire - Downright



# Modul-Aim™

## NWMOD

### NEW CONSTRUCTION UNIT WITH STANDARD LED ENGINE CODIFICATION EXAMPLE

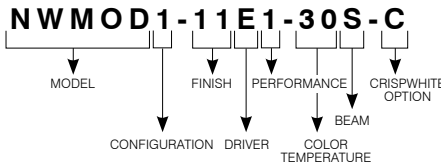


### ORDERING CODE for New Construction Unit with Standard LED Engine

MODEL	CONFIGURATION	FINISH	DRIVER	PERFORMANCE	COLOR TEMPERATURE	BEAM
<b>NWMOD</b>						
<b>NWMOD</b> New Construction	<b>1</b> 1 unit	<b>-11</b> Matte White	<b>E</b> ELV	<b>1</b> 1,267 Lumens (delivered)	<b>-27</b> 2,700K	<b>S</b> Spot 15°
	<b>2</b> 2 units	<b>-22</b> Matte Black	<b>D</b> 0-10V	<b>2</b> 2,180 Lumens (delivered)	<b>-30</b> 3,000K	<b>MS</b> Medium Spot 19°
	<b>3</b> 3 units		<b>A</b> Lutron Ecosystem Addressable		<b>-35</b> 3,500K	<b>M</b> Narrow Flood 32°
	<b>L</b> 3 units "L" shape				<b>-40</b> 4,000K	<b>W</b> Flood 45°
	<b>S</b> 4 units square shape					
(Available with Performance 1 only)						

Trim, mask and trimless mesh plate to be ordered separately based on your configuration.

### NEW CONSTRUCTION UNIT WITH CRISPWHITE TECHNOLOGY CODIFICATION EXAMPLE



### ORDERING CODE for New Construction Unit with CrispWhite Technology

MODEL	CONFIGURATION	FINISH	DRIVER	PERFORMANCE	COLOR TEMPERATURE	BEAM	CRISPWHITE OPTION
<b>NWMOD</b>					<b>-30</b>		<b>-C</b>
<b>NWMOD</b> New Construction	<b>1</b> 1 unit	<b>-11</b> Matte White	<b>E</b> ELV	<b>1</b> 1,195 Lumens (delivered)	<b>-30</b> 3,000K	<b>S</b> Spot 15°	<b>-C</b> CrispWhite Technology
	<b>2</b> 2 units		<b>D</b> 0-10V	<b>2</b> 2,075 Lumens (delivered)		<b>MS</b> Medium Spot 19°	
	<b>3</b> 3 units	<b>-22</b> Matte Black	<b>A</b> Lutron Ecosystem Addressable		<b>M</b> Narrow Flood 32°		
	<b>L</b> 3 units "L" shape				<b>W</b> Flood 45°		
	<b>S</b> 4 units square shape						
(Available with Performance 1 only)							

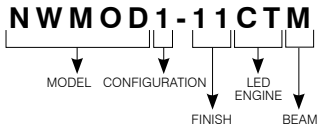
Trim, mask and trimless mesh plate to be ordered separately based on your configuration.



# Modul-Aim™

## NWMOD

### NEW CONSTRUCTION UNIT WITH LUMENETIX ENGINE CODIFICATION EXAMPLE

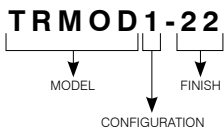


### ORDERING CODE for New Construction Unit with Lumenetix Engine

MODEL	CONFIGURATION	FINISH	LED ENGINE	BEAM
<b>NWMOD</b>				
<b>NWMOD</b> New Construction	<b>1</b> 1 unit <b>2</b> 2 units <b>3</b> 3 units <b>L</b> 3 units "L" shape <b>S</b> 4 units square shape	<b>-11</b> Matte White <b>-22</b> Matte Black	<b>CT</b> Color Tuning <b>WD</b> Warm Dimming	<b>M</b> Narrow Flood 26° <b>W</b> Flood 41°

Trim, mask and trimless mesh plate to be ordered separately based on your configuration.

### TRIM CODIFICATION EXAMPLE



### ORDERING CODE for Trim

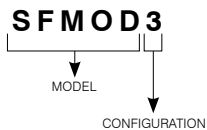
MODEL	CONFIGURATION	FINISH
<b>TRMOD</b>		
<b>TRMOD</b>	<b>1</b> 1 unit <b>2</b> 2 units <b>3</b> 3 units <b>L</b> 3 units "L" shape <b>S</b> 4 units square shape	<b>-11</b> Matte White <b>-15</b> Metallic Grey <b>-22</b> Matte Black



# Modul-Aim™

## NWMOD

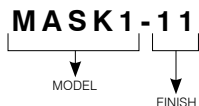
### MESH PLATE (TRIMLESS) CODIFICATION EXAMPLE



### ORDERING CODE for Mesh Plate (Trimless)

MODEL	CONFIGURATION
<b>SFMOD</b>	
<b>SFMOD</b>	<b>1</b> 1 unit
	<b>2</b> 2 units
	<b>3</b> 3 units
	<b>L</b> 3 units "L" shape
	<b>S</b> 4 units square shape

### MASK CODIFICATION EXAMPLE



### ORDERING CODE for Mask

MODEL	FINISH
<b>MASK1</b>	
<b>MASK1</b>	<b>-11</b> Matte White
	<b>-22</b> Matte Black

### 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**

