

# MOON RECESSED

Dynamic White | RGBW



## DESCRIPTION

With extreme design flexibility and high aesthetic impact, the MOON RECESSED is a perfect in-grade solution for illuminating paths, walkways, entrances, or distinctive illumination of architectural or landscape elements. Recess depth is less than 4" allowing for easy installation in any element. The power to create intense emotions through different shades and colors of light is excentuated with a trimless full glass version, alongside two other trim variants, all with stainless steel frame. Luminaire is IP68 rated and is resistant to submersion to a maximum depth of 4.9' for up to 30 minutes. Remote power supply is available separately.

Date: \_\_\_\_\_ Type: \_\_\_\_\_ Catalog Number: \_\_\_\_\_

Project Name: \_\_\_\_\_



Heavy Duty Trim RGBW



Standard Trim Dynamic White



Trimless RGBW

## ORDERING INFORMATION

LUMINAIRE						
MODEL	TRIM	CCT	CONTROL	VOLTAGE	OPTIC *	OPTION
MOON-R Moon Recessed	<b>HD</b> Heavy Duty Trim ø100mm / 3.9"	<b>RGBW30K</b> RGBW 3000K White	<b>DMX-RDM</b> DMX/RDM	<b>UNV</b> 120 - 277V	<b>NB</b> Narrow 14°	<b>LVR</b> Internal Honeycomb Louver
	<b>STD</b> Standard Trim ø80mm / 3.1"	<b>RGBW40K</b> RGBW 4000K White			<b>MB</b> Medium 23°	
	<b>TRMLSS</b> Trimless ø69mm / 2.7"	<b>DW</b> Dynamic White (3000K to 6500K)			<b>WB</b> Wide 35°	
					<b>EW</b> Extra Wide 56°	

\*Consult factory for availability of other optical options.

See Page 4 for ordering information of available accessories.



www.Griven-USA.com

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on [www.griven-usa.com](http://www.griven-usa.com) are the most recent ones available.

		MOON RECESSED		
		HEAVY DUTY TRIM	STANDARD TRIM	TRIMLESS
PHYSICAL	HOUSING	Anodized Aluminum Body with Stainless Steel Flange	Stainless Steel Flange and Body	
	LENS	PMMA with Tempered Glass Screen		
	LOAD BEARING CAPACITY	4409 Pounds	Walk Over Only	
	DRIVER LOCATION	Remote (Sold Separately)		
	DIMENSIONS	See page three for detailed dimensional artwork.		
	WEIGHT	2.2 Pounds	2 Pounds	
	OPERATING TEMPERATURE	-40°F to 104°F (-40°C to 40°C)		

ELECTRICAL	POWER	4.6 Watts		
	CURRENT	0.04 amps at 120 volts 0.02 amps at 277 volts		
	CONTROL	DMX/RDM		
	CABLE	Power & DMX Cable Without Connectors		
	CABLE LENGTH	39.3"		

PHOTOMETRIC	LED	RGBW 3000K	RGBW 4000K	Dynamic White (3000K-6500K)
	DELIVERED LUMEN OUTPUT	up to 116 lumens	up to 132 lumens	up to 211 lumens
	EFFICACY	up to 25 lumens per watt	up to 29 lumens per watt	up to 46 lumens per watt
	LUMEN MAINTENANCE	L70 > 55,000 Hours at 77°F*		

LIGHT DISTRIBUTIONS	CCT	DATA	DISTRIBUTION / BEAM ANGLE			
			Narrow	Medium	Wide	Extra-Wide
			14°	23°	35°	56°
RGBW 3000K	LUMENS	116	93	95	96	
	EFFICACY	25	20	21	21	
	MAX. CANDELA	1549	429	228	129	
RGBW 4000K	LUMENS	132	106	108	109	
	EFFICACY	29	23	23	24	
	MAX. CANDELA	1762	489	260	129	
DYNAMIC WHITE	LUMENS	211	168	172	173	
	EFFICACY	46	37	37	38	
	MAX. CANDELA	2817	776	413	205	

Values based on full output.

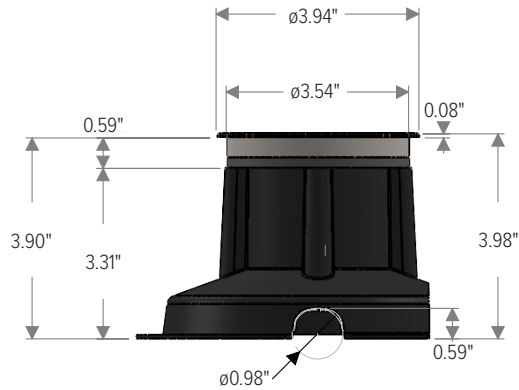
CERTIFICATIONS	SAFETY	ETL Certified for Wet Locations		
	INGRESS PROTECTION	IP68		
	IMPACT RATING	IK10 (Heavy Duty Trim) or IK09 (Standard and Trimless Variants)		
	WARRANTY	Five Year Limited Warranty		

\* LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

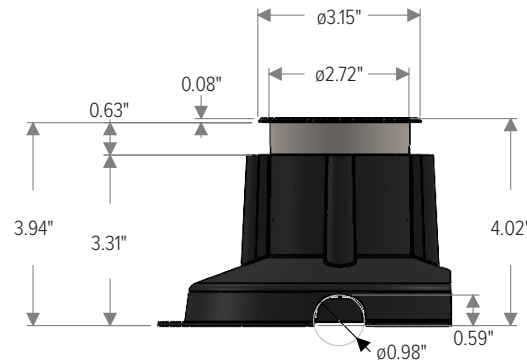
## DIMENSIONS

All dimensions are shown in inches unless otherwise noted.

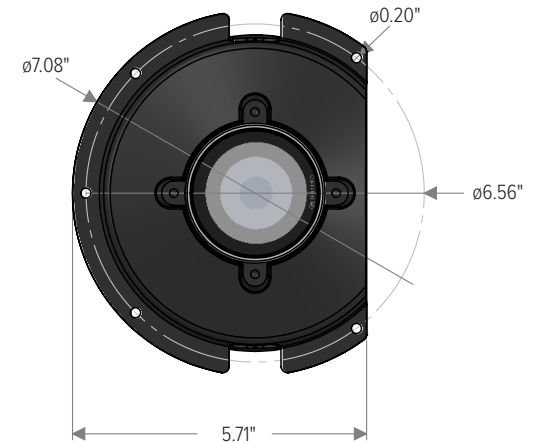
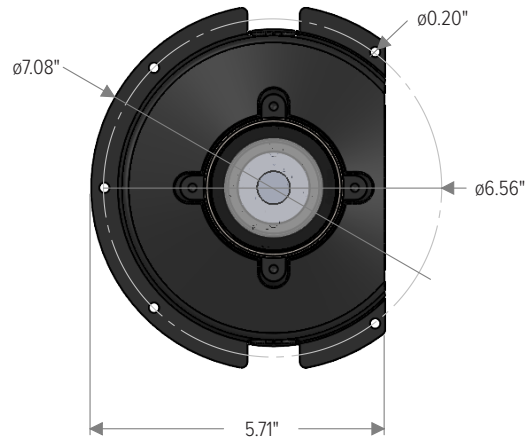
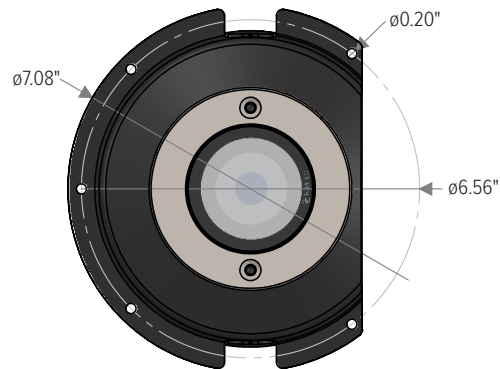
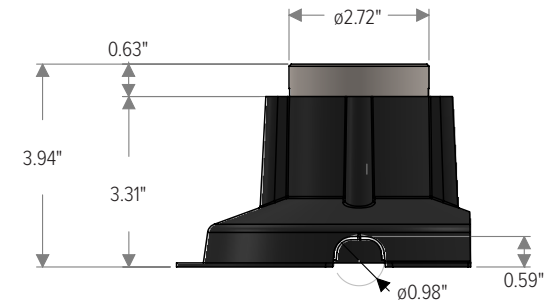
*Moon Recessed - Heavy Duty Trim*



*Moon Recessed - Standard Trim*



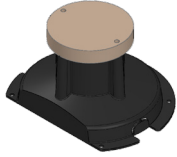
*Moon Recessed - Trimless*



For installation instructions, see separate "Installation Instructions" document.

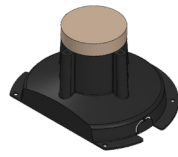
## ACCESSORIES

NOTE: Accessories are ordered and shipped separately from luminaire for field installation.



**MOON-R-HD-RIB**

Recessed Rough-In Box for Heavy  
Duty Trim Variants



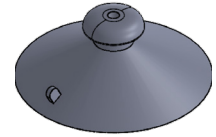
**MOON-R-RIB**

Recessed Rough-In Box for Standard  
Trim and Trimless Variants



**MOON-R-DRP-RIB**

Drop-In Recessed Rough-In Box for  
Standard Trim and Trimless Variants



**MOON-R-SC**

Suction Cup

Consult factory for available remote power supply units.

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## PHOTOMETRICS- CANDELA DISTRIBUTION

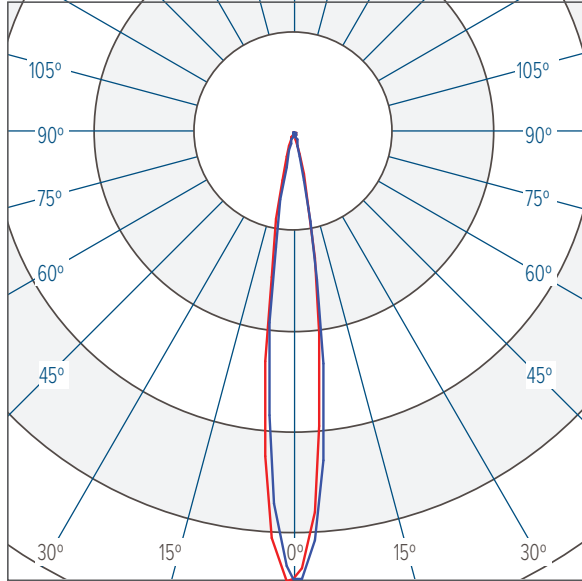
NOTE: Values shown below reflect Dynamic White CCT.

For RGBW 3000K, apply a 0.55 prorate factor. For RGBW 4000K, apply a 0.63 prorate factor.

### NARROW 14°

CBCP 2817 / 211 lumens

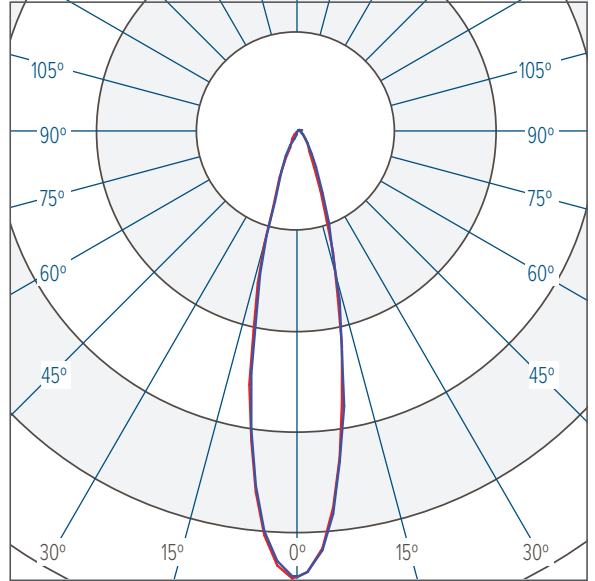
— Horizontal  
— Vertical



### MEDIUM 23°

CBCP 776 / 168 lumens

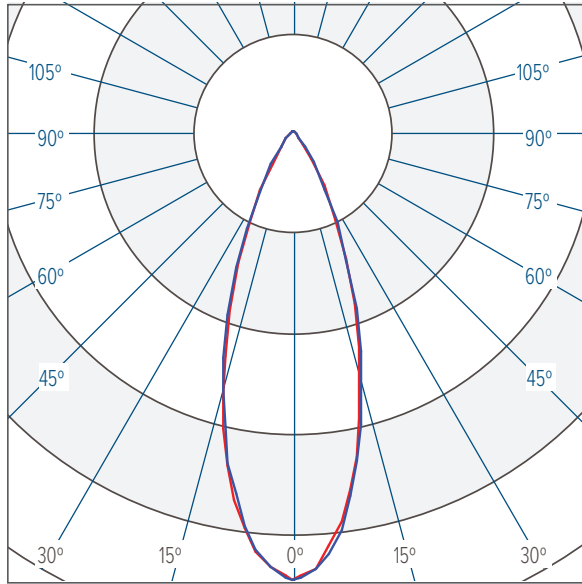
— Horizontal  
— Vertical



### WIDE 35°

CBCP 413 / 172 lumens

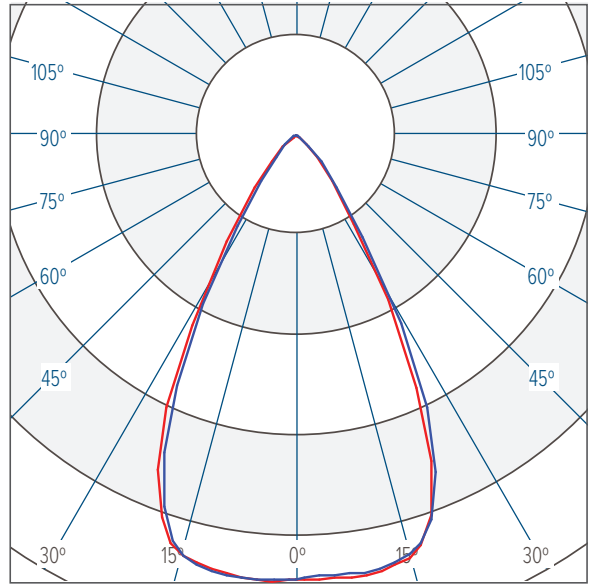
— Horizontal  
— Vertical



### EXTRA-WIDE 56°

CBCP 205 / 173 lumens

— Horizontal  
— Vertical



# MOON RECESSED

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RGBW DMX MODES			
MODE	CHANNEL	FUNCTION	VALUE
Mode 4 Channel- "RGBW 4CH"			
#1	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
Mode 5 Channel- "RGBW 5CH"			
#2	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
	5	0-100% Dimmer	0-255
Mode 6 Channel- "RGBW 6CH"			
#3	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
	5	0-100% Dimmer	0-255
	6	No Strobe	0-5
		0-100% Strobe	6-250
100% Strobe		251-255	
Mode 4 Channel- "RGBW MIX"			
#4	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% Calibrated White (affects RGB channels)	0-255
DYNAMIC WHITE DMX MODES			
MODE	CHANNEL	FUNCTION	VALUE
Mode 2 Channel- "Dynamic White 2CH"			
#1	1	Warm White 100% / Cold White 0%	0-003
		Warm White 100% / Cold White 0%-100%	004-122
		Warm White 100% / Cold White 100%	123-132
		Warm White 100%-0% / Cold White 100%	133-251
	Warm White 0% / Cold White 100%	252-255	
2	Dimmer 0-100%	0-255	
Mode 2 Channel- "Separate White 2CH"			
#2	1	0%-100% Warm White	0-255
	2	0%-100% Cold White	0-255

Note: In the absence of DMX signal, LEDs will remain on.