REV 8 PRIME

SPECIFICATION SHEET
TUNABLE WHITE

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø9" | Oversize Trim : 9.13" | Ceiling Cutout : 8.25"
Maximum Ceiling Thickness : 1.5" | Height : 8.6"
Weight : 17.63 lbs/18.82 lbs (New Construction), 16.13 lbs (Retrofit)

Material
Housing : Forged Aluminum Heatsink
Reflector : Flow Forming Aluminum

Power Input
95W, 125W, 145W, 185W, 225W | 120V, 277V

Lumen Output
8,990 lm (95W), 11,825 lm (125W), 13,720 lm (145W), 17,505 lm (185W), 21,320 lm (225W)

Dimming
Superior 0-10V : dims to 1%, dims to dark
DMX : High resolution dims to 0.1%

Color Quality	**Rated Life**
CRI 85+	> 100,000 Hours (L70)

Finish

Black White

Color Temperature

ColorFlip™ Tunable White
2700K ↔ 6500K

Optics

45° 55° Wide

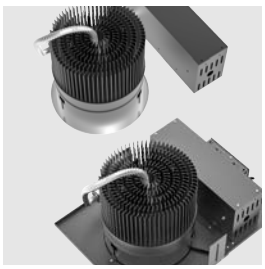
Warranty
5 Year limited warranty

Listing

Precision Engineered For High Performance.

8-inch aperture high lumen recessed downlight utilizing Meteor Lighting's proprietary ColorFlip™ Tunable White solution, that results in superior efficacy and heat management.

This product is compatible with all existing 0-10V and DMX control systems. Bringing human centric lighting to your spaces.



METEOR

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HIGH LUMEN RECESSED DOWNLIGHT

METEOR

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

The product configurator function on this page works only with the latest version of Chrome or Adobe Acrobat Reader.

	MODEL	**R8PN** REV 8 Prime with New Construction Frame	**R8PR** REV 8 Prime Retrofit	
	WATTAGE	**95** 95W **185** 185W	**125** 125W **225** 225W	**145** 145W
TNW	CCT / CRI	**TNW** 2700K-6500K		
	VOLTAGE	**120** 120V	**277** 277V	
	DIMMING	**SPV** Superior 0-10V dims to 1%, dims to dark	**DMX** DMX dims to 0.1% (XLR Sockets)	**DMXR** DMX dims to 0.1% (RJ45 Sockets)
	BEAM ANGLE	**45** 45°	**55** 55°	**WD**[1] Wide (With diffuser)
	FINISH*	**BLK** Black	**WHT** White	
	ACCESSORIES	**DF**[2] Diffuser **GR14**[4] Goof Ring 9.2" to 16" **SCA820**[5] Sloped Ceiling Adapter 18°-22°	**SPD**[3] Surge Protector **SCA810**[5] Sloped Ceiling Adapter 8°-12° **SCA825**[5] Sloped Ceiling Adapter 23°- 27°	**GR12**[4] Goof Ring 9.2" to 14" **SCA815**[5] Sloped Ceiling Adapter 13°-17° **2CPL**[6] 2' X 2' X 1" Custom Metal Ceiling Panel

CLEAR FORM

[1] *WD option reduces delivered lumens by ~20%*
[2] *DF option reduces delivered lumens by ~12% (~20% with WD)*
[3] *Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries*
[4] *GR includes new reflector and is not compatible with R8PN*
[5] *SCA is not compatible with R8PR*
[6] *2CPL is not compatible with R8PR, SCA810, SCA815, SCA820, SCA825*
* *Finish indicates trim only, with standard matte silver reflector*

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REV 05062026

TECHNICAL DETAILS

Electrical

- 8,990 lm (95W), 11,825 (125W), 13,720 (145W), 17,505 lm (185W), 21,320 lm (225W)
- Power Input : 120V or 277V
- Operating Temperature : -13°F~112°F
- Surge Protection : Built-in is 4KV
- Power Factor Greater than 0.9

LED Features

- ColorFlip™ Tunable White 2700K ↔ 6500K
- CRI 85+
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 100,000 Hrs

Optics

- Flow Forming Aluminum Reflector
- Beam Angle : 45°, 55°, Wide (With diffuser)

Advanced Dimming

- Proprietary VX Driver™ is integrated across all dimming options, delivering video flicker-free performance and full compliance with IEEE 1789.
- Superior 0-10V : dims to 1%, dims to dark
- DMX : High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

New Construction Housing

- Aperture : Ø8.15" (New Construction), Ø9" (Retrofit)
- Height : 8.6"
- Weight : 17.63 lbs/ 18.82 lbs (New Construction), 16.13 lbs (Retrofit)
- Material : Forged Aluminum Heatsink
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 8.46" (New Construction), 9.13" (Retrofit)
- Ceiling Cutout : 8.25"
- Maximum Ceiling Thickness : 1.5"
- Tool-less top access allows service from above and below
- Light engine, optics, and driver(s) accessible from below ceiling
- Goof Ring 14" : Aluminum, standard white finish; O. D. 16"; other size and finish available, please inquire

*Note: C-Channel / Mounting Channels / T-Bar Hangers are purchased from a third party

Warranty

- 5-year limited warranty

Listing

- ETL Damp Location Listed
- FCC

PERFORMANCE SUMMARY*

ColorFlip™	2700K	3000K	3500K	4000K	4500K	5000K	5700K	6500K
DMX CCT Signal (%)	0%	10%	25%	45%	60%	70%	85%	100%
0-10V CCT Voltage	0	1	2.5	4.5	6	7	8.5	10
95W	8,430lm	8,760lm	8,895lm	9,845lm	9,830lm	9,735lm	9,450lm	8,990lm
125W	11,095lm	11,525lm	11,700lm	12,950lm	12,940lm	12,810lm	12,430lm	11,825lm
145W	12,870lm	13,370lm	13,575lm	15,025lm	15,010lm	14,860lm	14,420lm	13,720lm
185W	16,420lm	17,060lm	17,320lm	19,170lm	19,150lm	18,960lm	18,400lm	17,505lm
225W	20,075lm	20,830lm	21,110lm	23,330lm	23,285lm	23,090lm	22,455lm	21,320lm
CRI	**85**	**86**	**87**	**88**	**88**	**87**	**86**	**85**

** Beam Angle 45° Tolerance ±8%*

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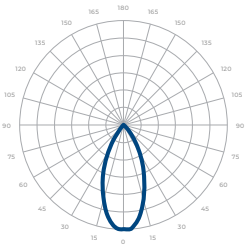
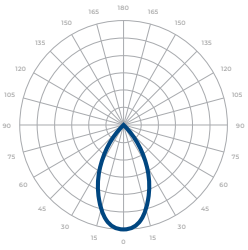
PHOTOMETRICS

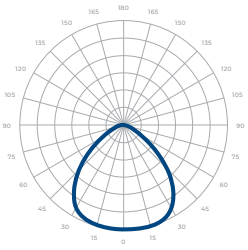
Below is a typical photometric representation of the Rev 8 Prime fixture. Please download IES files to ensure exact photometric value.



45°



55°



WIDE

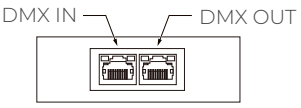
DMX REQUIREMENTS

The Rev 8 Tunable White fixture with DMX unit has **two channels** per fixture (1 to control intensity, 1 to control color). When placing an order, please indicate DMX address. (The DMX address will be listed on the back of the fixture). Do not connect more than 32 fixtures per DMX daisy chain.

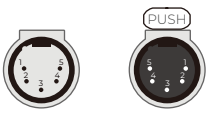
DMX Address		
Fixture	**Intensity Control (ex. X)**	**Color Control (ex. X+1)**
#1	1	2
#2	3	4
#3	5	6

The fixture can be connected with RJ45 or XLR sockets. DMX cables **are not** included; please refer to compatible DMX cabling list for more information. The final fixture on each daisy chain should be terminated by the use of a DMX terminator purchased from a 3rd party or from Meteor.

CONNECTION	RJ45 (CAT5e)	5-PIN XLR
Common	WHITE/BROWN(PIN7) & BROWN (PIN 8)	PIN 1
Signal -	ORANGE (PIN 2)	PIN 2
Signal +	WHITE/ORANGE (PIN 1)	PIN 3
Spare	-	PIN 4
Spare	-	PIN 5



RJ45 Sockets



DMX IN DMX OUT

XLR Sockets

COMPATIBLE DMX CABLING LIST

DMX uses a cable consisting of two twisted pairs plus a shield to carry data. The cable must be specifically impedance matched for the digital DMX signal, meaning that microphone cable or other non-rated cable **must not be used to carry DMX**. Network cable (Cat5, 5e or 6 cable) may be used to carry DMX in an installation; however special consideration must be given to shielding and termination. Under no circumstances should solid core cable like Cat5 be terminated into a screw down connector.

Meteor recommends the use of Belden 9729 or Belden 9841 for DMX installation. Belden 9729/9841 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed.

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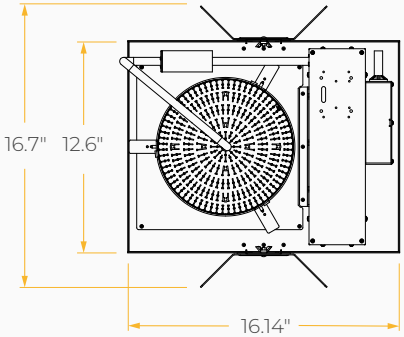
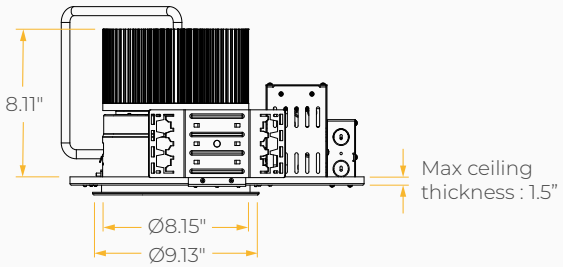
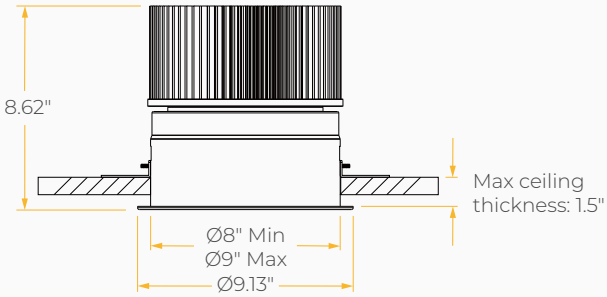
DIMENSIONS

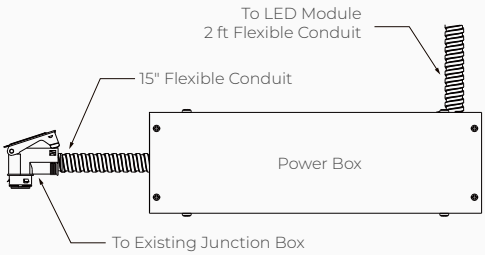
New Construction



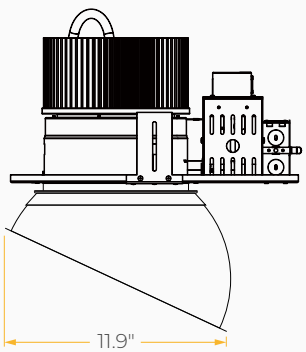


Retrofit





Sloped Ceiling Adapter



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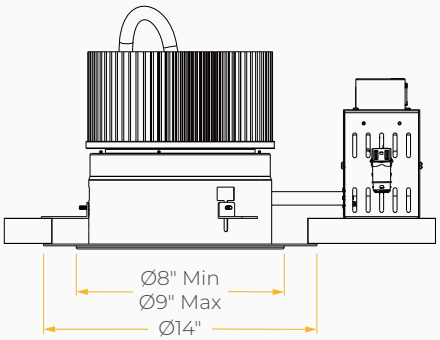
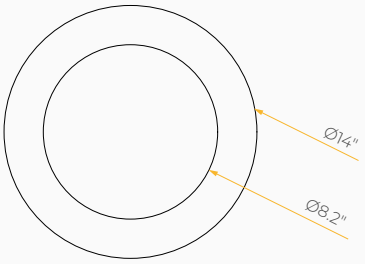
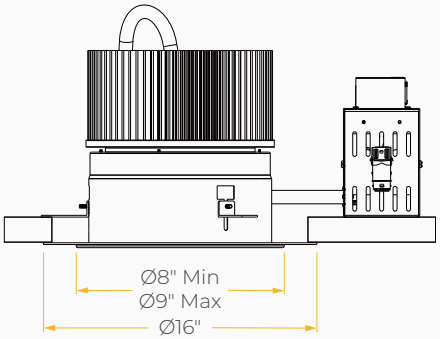
DIMENSIONS

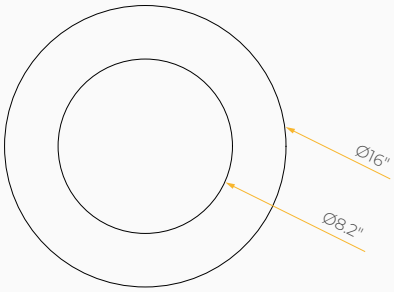
Goof Ring 12"



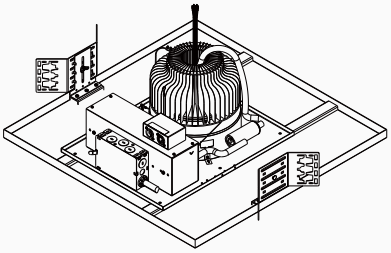


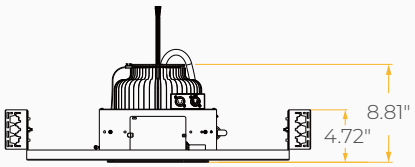
Goof Ring 14"

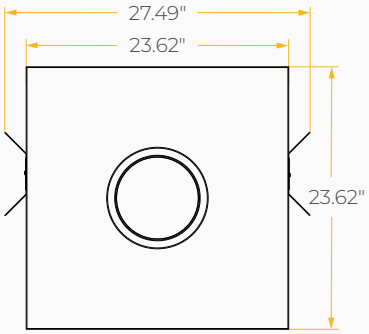




Custom Metal Ceiling Panel







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