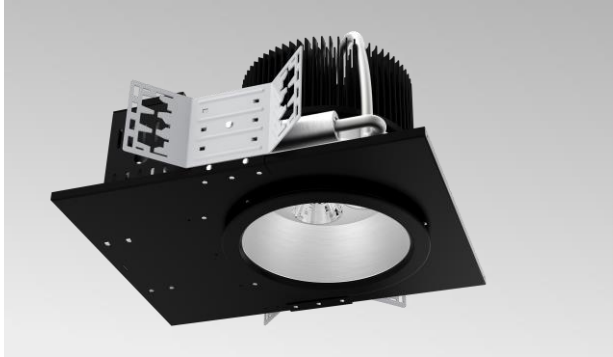ADVANCED HIGH CEILING

REV 8 Prime - New Construction
Tunable White Version (ColorFlip™)

METEOR

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

Quantity		Type	
Project		Note	

Delivered Lumens*

ColorFlip™	2700K	3000K	3500K	4000K	4500K	5000K	5700K	6500K	*Lumen Multiplier
X CCT Signal (%)	0%	10%	25%	45%	60%	70%	85%	100%	45° __baseline__
0-10V CCT Voltage	0	1	2.5	4.5	6	7	8.5	10	55° __0.95__
225W	20075 lm	20832 lm	21110 lm	23332 lm	23284 lm	23091 lm	22454 lm	21323 lm	
185W	16424 lm	17059 lm	17318 lm	19174 lm	19154 lm	18958 lm	18396 lm	17505 lm	
CRI	**85**	**86**	**87**	**88**	**88**	**87**	**86**	**85**	

Electrical System

- 185W, 225W
- Power Input: 120V or 277V
- Operating Temperature: -13°F~112°F
- Surge Protection: 4KV
- Remote Emergency Pack: Bodine BSL20LV
- Power Factor Greater than 0.9

LED Technology

- ColorFlip™ (Tunable White: 2700K ←→ 6500K)
- 85+ CRI
- Beam Angle: 45°, 55°, 100° (with diffuser)
- Rated Life > 60,000 Hours (L70)

Advanced Dimming

(Proprietary VX Driver is incorporated to all dimming options for video flicker-free lighting)

- Superior 0-10V: dims to 1% (2 channel)
  1 channel control dimming. 1 channel control CCT.
- DMX: high resolution dims to 0.1% (2 channel)
  (Supports ANSI E1.20 RDM protocol)

New Construction

- Non-IC Rated, insulation must be kept >1ft from housing.
- Aperture: 8.1" (207mm)
- Trim Size: 8.46" (214mm)
- Ceiling Cutout: 8.25" (210mm)
- Maximum ceiling thickness: 1.5" (38mm)
- Tool-less top access allows service from above and below.
- Light engine, optics, and driver(s) accessible from below ceiling
- Weight: 17.63lbs / 18.82lbs

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
- CE

*METEOR LIGHTING reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.

ADVANCED HIGH CEILING
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METEOR

How To Specify:

Ordering Example: R8PN-185-TNW-120-SPV-45-WHT

4-5 weeks lead time on over 75% of specifications.

Model	Wattage		CCT / CRI		Voltage		Dimming	
R8PN								
R8PN	**185**	185W	**TNW**	2700K - 6500K	**120**	120V	**SPV**	Superior 0-10V dims to 1%
REV 8-inch Prime with	**225**	225W			**277**	277V	**DMX**	DMX dims to 0.1% (XLR Sockets)
New Construction frame							**DMX(RJ45)**	DMX dims to 0.1% (RJ45 Sockets)

Beam Angle		Finish		Accessories	
45	45º	**BLK**	Black	**DF**[1]	Diffuser
55	55º	**WHT**	White	**SPD**[2]	Surge Protector
WD[1]	100º (with diffuser)			**SCA810**	Sloped Ceiling Adapter 8°-12°
				SCA815	Sloped Ceiling Adapter 13°-17°
				SCA820	Sloped Ceiling Adapter 18°-22°
				SCA825	Sloped Ceiling Adapter 23°-27°

[1]Please factor in change in lumen output with diffuser (-20% with WD; -12% with other degrees).

[1]Please factor in change in lumen output with diffuser (-20% with WD; -12% with other degrees).
[2]Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries.

ADVANCED HIGH CEILING

REV 8 Prime - New Construction
Tunable White Version (ColorFlip™)

METEOR

Dimensions

12.6"

16.14"

8.11"

0.59"

Ø8.15"
Ø9.13"

Sloped ceiling adapter

11.9"
Ceiling opening:11.6"
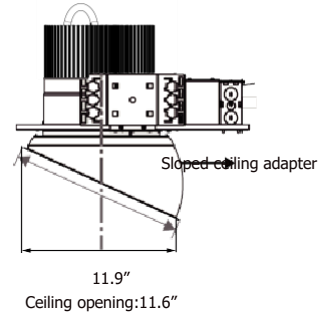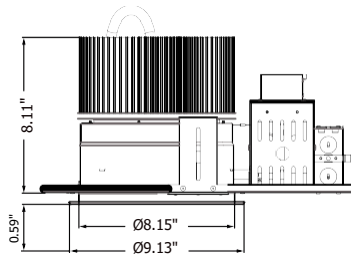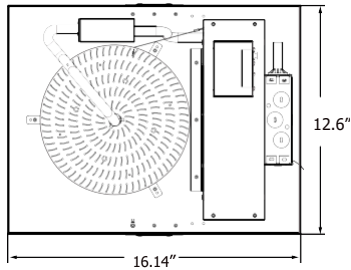
Cut 11.6" opening in ceiling for sloped ceiling adapter (same center as fixture frame opening)

DMX Requirements*

The 8" REV LED fixture with DMX unit has TWO CHANNEL per fixture (1 to control intensity, 1 to control color). Fixture will be controlled by DMX number controlling intensity. We do not recommend more than 32 fixtures per DMX daisy chain.

When placing order, please indicate DMX address (refer to DMX Address example below). DMX address will be listed on the back of each fixture.

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

The LED fixture provide RJ45 Socket or XLR socket to connect. (DMX cable NOT included.) The final fixture should be terminated by the use of DMX Terminator (by others).

RJ45 Sockets

XLR Sockets

(PUSH)

DMX IN   DMX OUT

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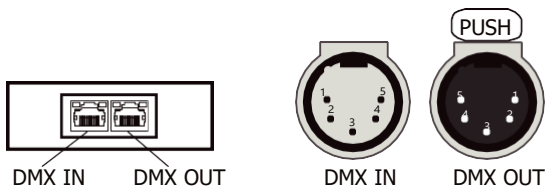
CONNECTION	RJ45 (CAT5e)	5-PIN XLR
Common	WHITE/BROWN(PIN7) & BROWN (PIN 8)	PIN 1
Signal -	ORANGE (PIN 2)	PIN 2
Signal +	WHITE/ORANGE (PIN 1)	PIN 3
Spare	-	PIN 4
Spare	-	PIN 5

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 for DMX installation. Belden 9729 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed. Below is a list of other compatible Belden cables.

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