REV 8 PRIME

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø8.1" | Oversize Trim : 9.13" | Maximum Ceiling Thickness : 1.5"
Opening of Mounting Frame : 8" to 9" | Height : 8.6" | Weight : 16.13 lbs

Material
Housing : Forged Aluminum Heatsink
Reflector : Flow Forming Aluminum

Power Input
185W, 225W | 120V, 277V

Lumen Output
17,505 lm (185W), 21,320 lm (225W)

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

Color Quality	Rated Life
CRI 85+	> 60,000 Hours (L70)

Finish

Black   White

Color Temperature

TNW   ColorFlip™ Tunable White
2700K ↔ 6500K

Optics

45°   55°   Wide

Warranty
5 Year limited warranty
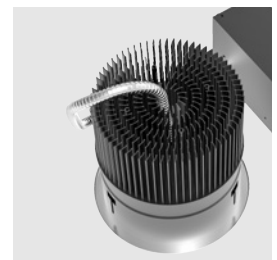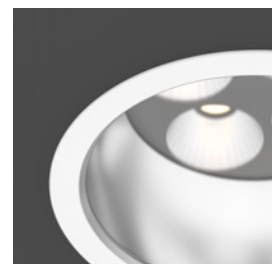
Listing

cETLus Intertek   FC   ENERGY STAR

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

REV 8 PRIME
QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

METEOR

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

R8PR	MODEL	**REV 8 PRIME RETROFIT**		
	WATTAGE	**185** 185W	**225** 225W	
TNW	CCT / CRI	**TNW** 2700K-6500K		
	VOLTAGE	**120** 120V	**277** 277V	
	DIMMING	**SPV** Superior 0-10V dims to 1%	**DMX** DMX dims to 0.1% (XLR Sockets)	**DMX(RJ45)** DMX dims to 0.1% (RJ45 Sockets)
	BEAM ANGLE	**45** 45°	**55** 55°	**WD¹** Wide (With diffuser)
	FINISH²	**BLK** Black	**WHT** White	
	ACCESSORIES	**NO** No Accessories **GR12⁵** Goof Ring 9.2" to 14"	**DF³** Diffuser **GR14⁵** Goof Ring 9.2" to 16"	**SPD⁴** Surge Protector

¹ *Please factor in change in lumen output with WD -20%*
² *Please factor in change in lumen output with Diffuser (-20% with WD; -12% with other degrees)*
³ *Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries*
⁴ *Includes new reflector*
⁵ *Finish indicates trim only, with standard matte silver reflector*

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TECHNICAL DETAILS

Electrical
- 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 @ 60,000 Hrs

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

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 Housing
- Aperture : Ø8.1"
- Height : 8.6"
- Weight : 16.13 lbs
- Material : Forged Aluminum Heatsink
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 9.13"
- Opening of Mounting Frame : 8" to 9" Max
- 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

Warranty
- 5-year limited warranty
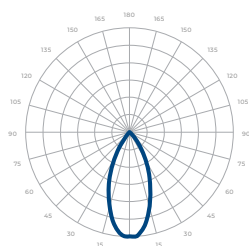
Listing
- ETL Damp Location Listed
- FCC
- Energy Star Rated

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
185W	16,420lm	17,060lm	17,320lm	19,175lm	19,155lm	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%

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

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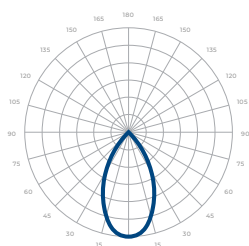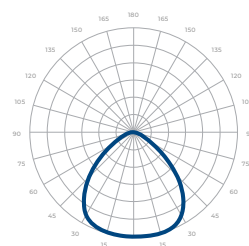
DMX REQUIREMENTS

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

DMX IN — DMX OUT

RJ45 Sockets

DMX IN   DMX OUT
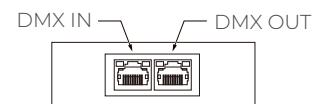
XLR Sockets

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

8.62"

Max ceiling thickness: 1.5"

Ø8.03" Min
Ø9" Max
Ø9.13"

To LED Module
15" Flexible Conduit
Power Box
To Existing Junction Box

Goof Ring 12

Ø8" Min
Ø9" Max
Ø14"

Goof Ring 14

Ø8" Min
Ø9" Max
Ø16"

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