REV 6

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø6.3" | Oversize Trim : 8" | Maximum Ceiling Thickness : 2"
Opening of Mounting Frame : 6.35" to 7" | Height : 8" | Weight : 11.02 lbs

Material
Housing : Extruded Aluminum
Reflector : Flow Forming Aluminum

Power Input
40W, 60W, 80W, 100W | 120V, 277V

Lumen Output
3,500 lm (40W), 5,040 lm (60W), 7,215 lm (80W), 8,840 lm (100W)

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

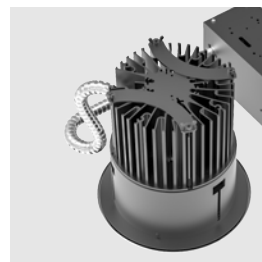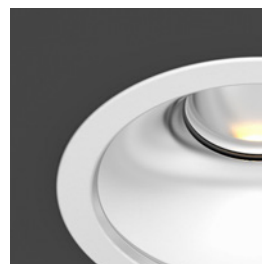40°   60°   Wide

Warranty
5 Year limited warranty

Listing

c ETL us Intertek   FC   ENERGY STAR

Precision Engineered For High Performance.

6-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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SPECIFICATION

PROJECT NAME		DATE	

CATALOG #		QUANTITY	

RS6R	MODEL	**REV 6 RETROFIT**				
	WATTAGE	**40** 40W		**60** 60W		**80** 80W
		100 100W				
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	**40** 40°		**60** 60°		**WD**[1] Wide
	FINISH[2]	**BLK** Black		**WHT** White		
	ACCESSORIES	**SPD**[3] Surge Protector		**DF**[1] Diffuser		**GR8**[4] Goof Ring 8" to 10"

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

[2] Finish indicates Trim only, with standard matte silver reflector.

[3] Surge protector for up to 10KV. Applicable for unstable mains or facilities using high-power machinery.

[4] Includes a new reflector.

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TECHNICAL DETAILS

Electrical

- 3,500 lm (40W)
- 5,040 lm (60W)
- 7,215 lm (80W)
- 8,840 lm (100W)
- Power Input: 120V or 277V
- Operating Temperature: -20°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 : 40°, 60°, 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%
- DMX : High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

Retrofit Housing

- Aperture : Ø6.3"
- Height : 8"
- Weight : 11.02 lbs
- Material : Extruded Aluminum
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 8"
- Opening of Mounting Frame : 6.35" to 7.0" Max
- Maximum Ceiling Thickness : 2"
- Tool-less top access allows service from above and below
- Light engine, optics, and driver(s) accessible from below ceiling
- Goof Ring 8" : Aluminum, standard white finish; O. D. 10"; other size and finish available, please inquire

Warranty

- 5-year limited warranty
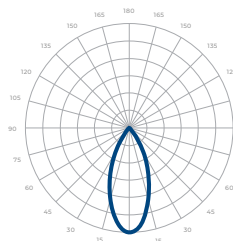
Listing

- ETL Damp Location Listed
- FCC
- Energy Star

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
40W	2,990lm	3,160lm	3,330lm	3,500lm	3,475lm	3,440lm	3,410lm	3,385lm
60W	4,305lm	4,550lm	4,795lm	5,040lm	5,000lm	4,955lm	4,910lm	4,870lm
80W	6,165lm	6,510lm	6,865lm	7,215lm	7,155lm	7,095lm	7,095lm	6,970lm
100W	7,555lm	7,980lm	8,415lm	8,840lm	8,770lm	8,690lm	8,615lm	8,545lm
CRI	85	86	87	88	88	87	86	85

*Beam Angle: 40° * Tolerance ±8%

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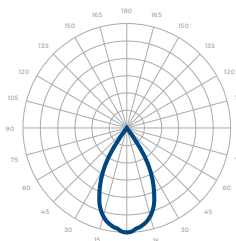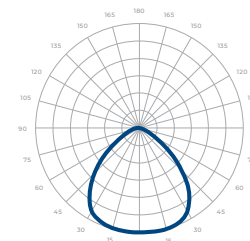Page 3

PHOTOMETRICS

Below is a typical photometric representation of the Rev 6 fixture. Please download IES files to ensure exact photometric value.
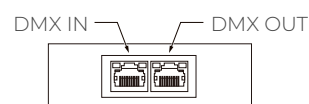
40°	60°	WIDE

DMX REQUIREMENTS

The Rev 6 Tunable White LED fixture with DMX unit has **two channels** 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.

	DMX Address	
Fixture	**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).

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

PUSH

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"

Max ceiling
thickness : 2"

Ø6.3" Min
Ø7" Max
Ø8"

Goof Ring

Ø10"

To LED Module

15" Flexible Conduit

Power Box

To Existing Junction Box

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