REV 8 PRIME

SPECIFICATION SHEET
NEW CONSTRUCTION

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø8.1" | Oversize Trim : 8.46" | Ceiling Cutout : 8.25"
Maximum Ceiling Thickness : 1.5" | Height : 8.6" | Weight : 17.63 / 18.82 lbs

Material
Housing : Forged Aluminum Heatsink
Reflector : Flow Forming Aluminum

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

Lumen Output
8,370 lm (95W), 10,685 lm (125W), 12,905 lm (145W), 21,205lm (185W), 24,865lm (225W)

Dimming
Superior 0-10V : Dims to 1%
DMX : High resolution dims to 0.1%
TRC: Linear line-voltage phase control, dims to 1%
LDE1 : Hi-Lume 1% EcoSystem LED Driver

Color Quality	**Rated Life**
CRI 85, CRI 93	> 60,000 Hours (L70)

Finish

Black White

Color Temperature

2700K 3000K 3500K 4000K

Optics

30° 45° 55° Wide

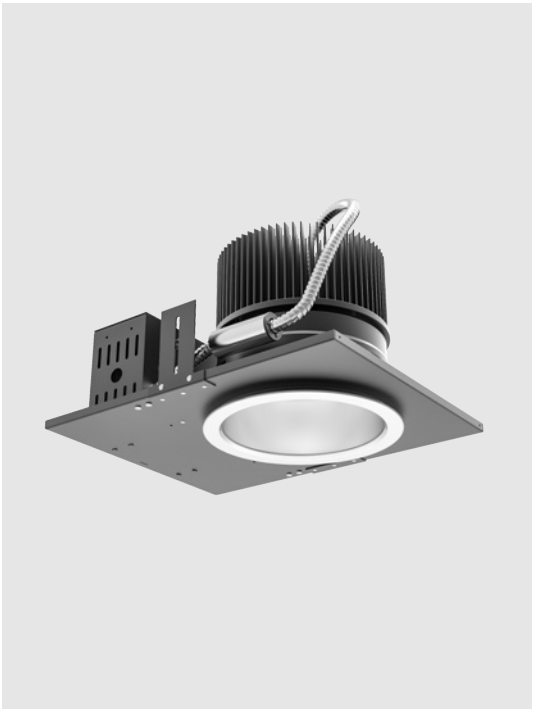
Warranty
5 Year limited warranty

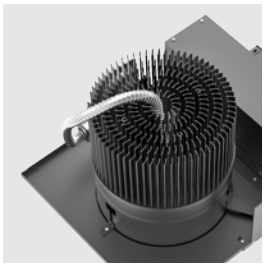
Listing

Precision Engineered For High Performance.

The REV series are a revolutionary range of 4, 6 and 8-inch aperture recessed downlights that feature a deep, double optical reflector design with high efficacy performance.

All downlights feature Colorflip™ Warm Dim, Tunable White and W+RGB technology for a truly versatile range of applications, and are available in new construction and retrofit configurations.





METEOR

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REV 8 PRIME

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

METEOR

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

R8PN-185-309-277-LDE1-WD-WHT-NO

QUANTITY

R8PN	MODEL	REV 8 PRIME WITH NEW CONSTRUCTION FRAME		
185	WATTAGE	○ 95 95W ● 185 185W	○ 125 125W ○ 225 225W	○ 145 145W
309	CCT / CRI	○ 278 2700K / CRI 85 ● 309 3000K / CRI 93	○ 279 2700K / CRI 93 ○ 358 3500K / CRI 85	○ 308 3000K / CRI 85 ○ 408 4000K / CRI 85
277	VOLTAGE	○ 120 120V	● 277 277V	
LDE1	DIMMING	○ NOD Non-Dimming ○ DMX(RJ45) DMX dims to 0.1% (RJ45 Sockets)	○ SPV Superior 0-10V dims to 1% ○ TRC[1] Linear line-voltage phase control, dims to 1%	○ DMX DMX dims to 0.1% (XLR Sockets) ● LDE1[2] Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black
WD	BEAM ANGLE	○ 30 30° ● WD[3] Wide (With diffuser)	○ 45 45°	○ 55 55°
WHT	FINISH[3]	○ BLK Black	● WHT White	
NO	ACCESSORIES	● NO No Accessories ● EMP Remote Emergency Pack ○ SCA820 Sloped Ceiling Adapter 18°-22° ○ BUB Butterfly Bracket	○ DF[5] Diffuser ○ SCA810 Sloped Ceiling Adapter 8°-12° ○ SCA825 Sloped Ceiling Adapter 23°- 27°	○ SPD[6] Surge Protector ○ SCA815 Sloped Ceiling Adapter 13°-17° ○ 2CPL 2' X 2' X 1" Custom Metal Ceiling Panel

[1] *Option is only compatible with 120V*
[2] *Option is not compatible with 225W*
[3] *Please factor in change in lumen output with WD -20%*
[4] *Finish indicates trim only, with standard matte silver reflector*
[5] *Please factor in change in lumen output with Diffuser (-20% with WD; -12% with other degrees)*
[6] *Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries*

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TECHNICAL DETAILS

Electrical

- 8,370 lm (95W), 10,685 lm (125W), 12,905 lm (145W) 21,205 lm (185W), 24,865 lm (225W)
- Power Input: 120V or 277V
- Operating Temperature: -40°F~112°F
- Surge Protection: Built-in is 4KV
- Emergency Pack with Mounting Plate: Philips Bodine BSL20B2UEK55C1I1
- Power Factor Greater than 0.9

LED Features

- Color Temperature : 2700K, 3000K, 3500K, 4000K
- CRI 85, CRI 93
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 60,000 Hrs

Optics

- Flow Forming Aluminum Reflector
- Beam Angle : 30°, 45°, 55°, WD (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)

Not Compatible with 225W Option :

- TRC: Linear line-voltage phase control, dims to 1% (120V only)
- LDE1 : Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black

New Construction Housing

- Aperture : Ø8.1"
- Height : 8.6"
- Weight : 17.63 lbs/ 18.82 lbs
- Material : Forged Aluminum Heatsink
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 8.46"
- 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

*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
- Energy Star
- CE
- UKCA

PERFORMANCE SUMMARY*

Delivered Lumens				
CCT/WATTAGE	2700K	3000K	3500K	4000K
95W	7,290lm	7,960lm	8,230lm	8,370lm
125W	9,325lm	10,155lm	10,480lm	10,685lm
145W	11,305lm	12,285lm	12,660lm	12,905lm
185W	18,970lm	20,090lm	20,645lm	21,205lm
225W	22,250lm	23,560lm	24,210lm	24,865lm

Current Consumption		
WATTAGE / VOLT	120V	277V
95W	0.87A	0.38A
125W	1.15A	0.50A
145W	1.33A	0.58A
185W	1.65A	0.71A
225W	2.02A	0.87A

** Beam Angle 30° Tolerance ±8%*

Emergency Pack Lumen Output Table			
CCT	2700K	3000K	4000K
LUMEN	1,640lm	1,760lm	1,890lm

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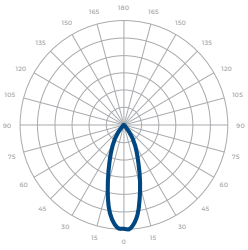
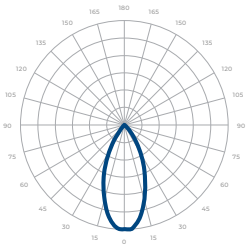
PHOTOMETRICS

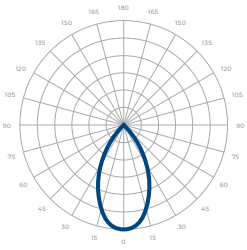
Below is a typical photometric representation of the Rev 8 Prime fixture. Please download IES files to ensure exact photometric value.



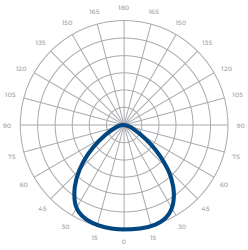
30°



45°



55°



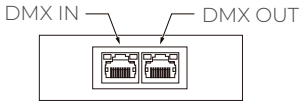
WIDE

DMX REQUIREMENTS

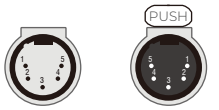
The Rev 8 fixture with DMX is a **single channel dmx** unit. When placing an order, please indicate DMX address. (The DMX address will be listed on the back of the fixture). Do not connect more than 32 fixtures per DMX daisy chain.

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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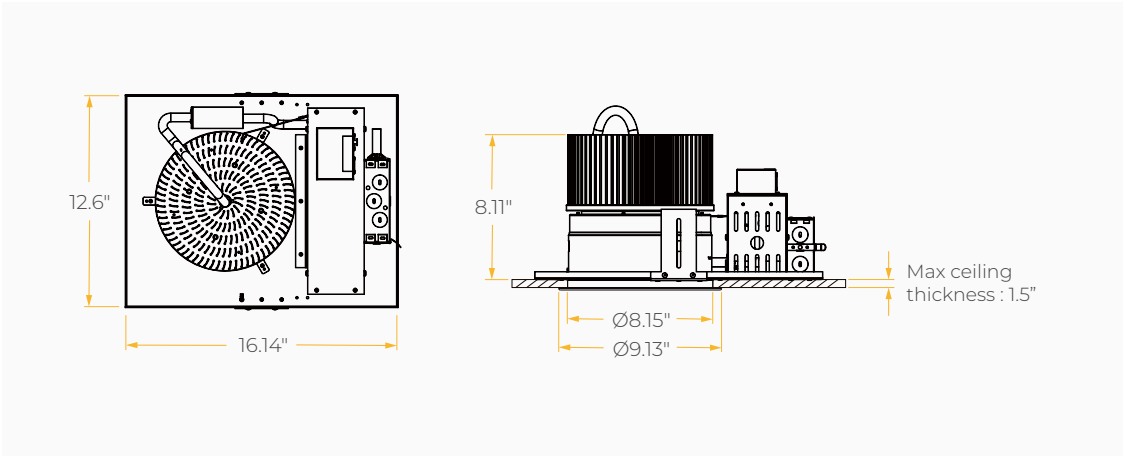
COMPATIBLE TRC DIMMER LIST

PART NO.					
Lutron DVCL-153P	**Lutron** TGCL-153P	**Lutron** S-600P	**Lutron** SELV-300P	**Lutron** CT-103P	**Lutron** DV603P
Lutron MAELV600	**Lutron** FAELV500	**Lutron** SCL-153P	**Lutron** MACL-153M	**Lutron** DVLV600P	**Lutron** RRD-6CL
Leviton IPI06-1LZ	**Leviton** VPE06	**Leviton** 6673-10W	**Leviton** VPI06-ILT	**Leviton** 6161	**Leviton** LGCL-153PL
Leviton IPL06	**Cooper** DLC03P-W	**Cooper** SLC03P	**Cooper** DAL06P	**Cooper** AAL06A-C2	

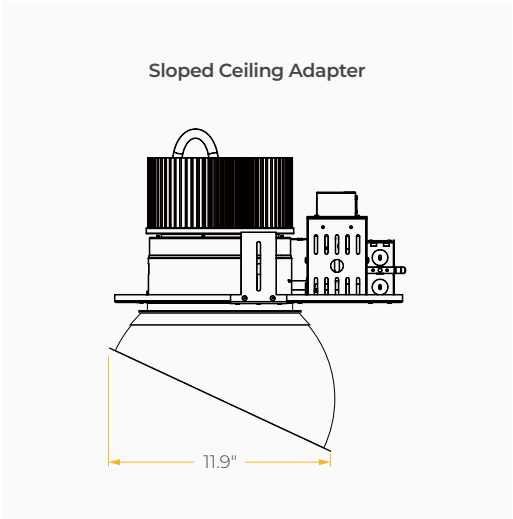
COMPATIBLE LDE1 DIMMER LIST

LUTRON PART NO.						
RMJ-ECO32-DV-B	FCJ/FCJS-ECO	QSN-1ECO-S	QSN-2ECO-S	QSGRJ-_E	QSGR-_E	QP2-_ _ 2C
QP2-_ _ 4C	QP2-_ _ 6C	QP2-_ _ 8C	LQSE-2ECO-D			

DIMENSIONS



Sloped Ceiling Adapter



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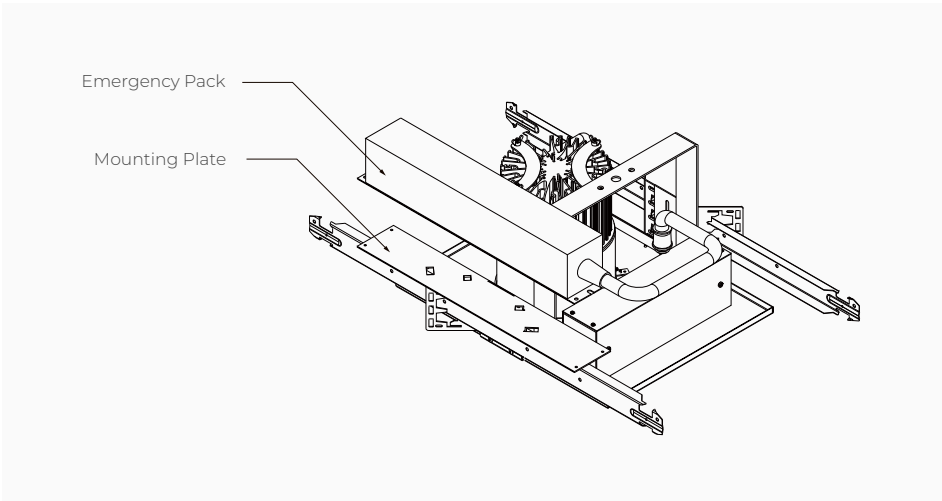
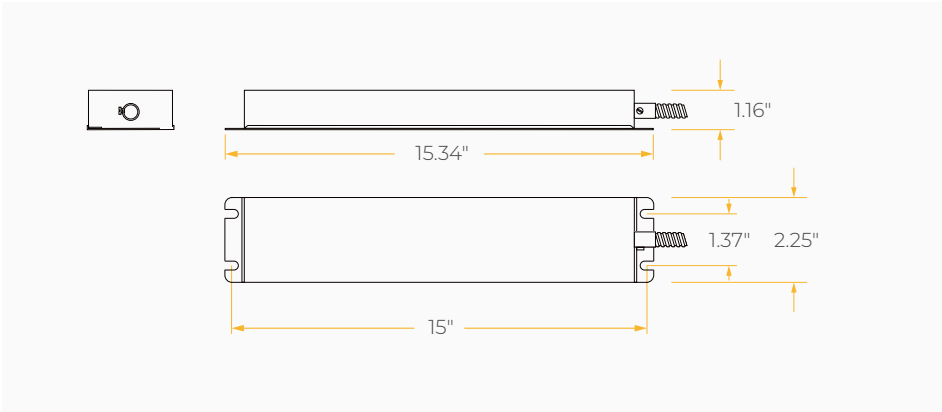
REMOTE EMERGENCY PACK





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