

PROJECT:	SPECIFIER:	TYPE:	QTY:	DATE:
1	2	3	4	5
6	7	8	9	10
11				



TECH OPTIONS



DESCRIPTION

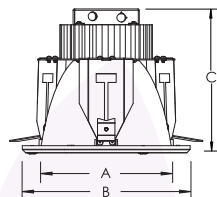
Specification grade downlight for vandal-resistant and wet location covered ceiling applications. Cast aluminum gasketed trim ring equipped with locking mechanism and countersunk tamper-resistant fasteners. Trim ring available in automotive grade electroplated cosmetic finishes including exquisite nickel chrome. Secure polycarbonate flush lens available in diffuse or clear. High quality electrocoated metal construction with adjustable mounting clips for easy installation into wide range of ceilings and mounting requirements including new construction, remodeler, and IC box. Thermal protection in case of improper insulation use.

FEATURES

- Housing & Trim:** aluminum diecast gasketed trim ring with locking mechanism including countersunk tamper-resistant fasteners, cosmetic electroplated finishes available
- Cutout:** round
- Optic:** gasketed flush polycarbonate lens available in diffuse or clear
- Beams:** narrow, medium, wide
- Lumen Output (nominal):** up to 9860+ lm, 110 lm/W
- Mounting:** new construction, remodeler, and IC housing box
- Heat Sink:** extruded anodized aluminum for higher outputs or electrocoated aluminum bracket for lower outputs
- LED:** PerfectWhite™ human centric, Tunable White, Warm Dim, Static white CRI 90+ & 95+, Sunlike 97, RGBW
≤1x3 SDCM standard, ≤1x2 SDCM available upon request
LED Lumen Maintenance: L70 > 50,000hrs

DIMENSIONS

- Aperture (A):** 7.49" Ø
- Flange (B):** 9.65" Ø
- Height (C):** 6.67" - 9.04"
- Min. Ceiling Opening:** 8.31" Ø
- Ceiling Thickness:** 0.05" - 2.20" thk



WARRANTY 5 Year Limited Warranty (Covers Standard Components)

RATINGS & CERTS

Made In USA with Global Components
Wet Location Rated



1: TYPE **RB8V-RDW** Recessed Downlight, Wet Location

2: LED COLOR & CRI

WD97-3018K* Warm Dim 3000-1800K 97+	SW90-40K 4000K Static White 90+
WD92-4027K* Warm Dim 4000-2700K 92+	SW90-50K 5000K Static White 90+
LX90-RGBW** Lumenetix RGB + 8000-1650K White 90+	SW95-27K 2700K Static White 95+
PC90-30K 3000K PerfectWhite™ 90+	SW95-30K 3000K Static White 95+
SW80-27K 2700K Static White 80+	SW95-35K 3500K Static White 95+
SW80-30K 3000K Static White 80+	SW95-40K 4000K Static White 95+
SW80-35K 3500K Static White 80+	SL97-27K 2700K Sunlike 97
SW80-40K 4000K Static White 80+	SL97-30K 3000K Sunlike 97
SW80-50K 5000K Static White 80+	SL97-35K 3500K Sunlike 97
SW80-57K 5700K Static White 80+	SL97-40K 4000K Sunlike 97
SW80-65K 6500K Static White 80+	SL97-50K 5000K Sunlike 97
SW90-27K 2700K Static White 90+	TW90-4018K*** Tunable White 4000-1800K 90+
SW90-30K 3000K Static White 90+	TW90-6527K*** Tunable White 6500-2700K 90+
SW90-35K 3500K Static White 90+	

*Warm dim compatible with traditional single channel dimming methods

**Tunable full color and white with DMX; Tunable white and full color preset scenes only with 2x 0-10V; Tunable white only 8000-1650K with Lutron Ecosystem, Dali2, & Wattstopper DLM

3000lm Max Output *Two-step MacAdam Ellipse available upon request. Use "2SP" after LED code

3: LUMENS

10LM	1000 lm
15LM	1500 lm
21LM	2100 lm
30LM	3000 lm
43LM*	4300 lm
60LM	6000 lm
70LM	7000 lm
80LM	8000 lm
90LM	9000 lm
100LM	10,000 lm

*DIMA1 max output.

**Lumenetix white max output 3480 lm.

See page 2 LED Power Info for chip-specific lumens

4: VOLTAGE

U	120-277Vac
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5: DIMMING / DRIVER

DIMA1*	1% Universal Dim 0-10V/TRIAC/ELV (4300lm max output)
AVI	Bluetooth Avi-on BLE Wireless for static white, warm-dim, tunable white & RGBW
10V	<10% Dim 0-10V
10V1	1% Dim 0-10V
10VMC1	1% Dim 0-10V multi-channel for tunable white & Lumenetix full color presets + tunable white
10VMC21	0.1% Dim 0-10Vx2 dim-to-off for tunable white
LTEA	1% Dim Lutron Hi-Lume 2-Wire (120V only)
LUT1	1% Dim Lutron Hi-Lume EcoSystem Soft-on & Fade Black
LUTZ1**	0.1% Dim Lutron Hi-Lume Premium EcoSystem Soft-On & Fade Black for static white & Lumenetix tunable white
ELD1	1% Dim eldoLED ECDriver
ELDZ1	0.1% Dim eldoLED SOLOdrive dim-to-off
DMXZ1	0.1% Dim DMX for tunable white & Lumenetix tunable full color and white
DALIZ1	0.1% Dim Dali2 for tunable white & Lumenetix tunable white
DALMCZ1	0.1% dim-to-dark DALI2 DT8 dual channel for tunable white
WATTZ1	0.1% Dim Wattstopper DLM for Lumenetix tunable white

* Standard non-linear dim-to-off for 0-10V dimming; for linear dimming add -LIN at end of dim code

** <20W available for static white

*** Most drivers use logarithmic dimming curve as standard. For linear curve add "LIN" after Dimming Code

6: BEAM

BN	25° narrow beam
BM	35° medium beam
BW	60° wide beam

7: LENS

CLR	Clear Polycarbonate Flush Lens
DIF	Diffuse Polycarbonate Flush Lens

8: TRIM FINISH

*All electroplated finishes have protective coating to prevent corrosion

WH White Matte Powder	BC Black Chrome Plated
BK Black Matte Powder	BH Brush Brass Plated
AMI Anti-microbial Powder	BR Polished Brass Plated
BZ Oil-rub Bronze Brush Plated	NB Nickel Brush Plated
CB Copper Brush Plated	NC Polished Nickel Chrome Plated
CU Polished Copper Plated	

9: IC RATING (OPTIONAL)

IC	Insulated ceiling
	*Enclosed box required; contact factory for remodeler IC options

10: ACCESSORY

HBH	Ceiling frame with hanger bars & butterfly bracket kit, extendable
EN	Enclosed box with ceiling plate & bars
FMC	Flex metal whip, 24-inch for AC power
BB4	Battery Backup 4W for 90 mins
BB8	Battery Backup 8W for 90 mins
GOR	Adapter Goof Ring
REM	Remodel Ring

*Code compliant with all U.S. requirements with applicable controls

10: CONTROL

VIVE	Lutron Vive
ANL	Acuity nLight
AIRNL	Acuity nLight Air
CAS	Casambi Ready
ENT	Enlighted

LED POWER INFO *Insulated ceiling (IC) rating up to 30W / ~3000 lm IC rated*

Static White LED 80+ CRI @ 3000K (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
10LM	1,061 lm	9.83W	108 lm/W
15LM	1,486 lm	13.76W	108 lm/W
21LM	2,130 lm	19.32W	110.3 lm/W
30LM	2,982 lm	27.05W	110.3 lm/W
43LM	4,260 lm	38.64W	110.3 lm/W
60LM	5,964 lm	54.09W	110.3 lm/W
70LM	6,815 lm	61.82W	110.3 lm/W
80LM	7,667 lm	69.55W	110.3 lm/W
90LM	8,926 lm	80.97W	110.3 lm/W
100LM	9,861 lm	89.44W	110.3 lm/W

Static White LED 90+ CRI @ 3000K (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
09LM	899 lm	9.83W	91.4 lm/W
13LM	1,258 lm	13.76W	91.4 lm/W
18LM	1,803 lm	19.32W	93.3 lm/W
25LM	2,525 lm	27.05W	93.3 lm/W
36LM	3,607 lm	38.64W	93.3 lm/W
50LM	5,049 lm	54.09W	93.3 lm/W
60LM	6,131 lm	65.68W	93.3 lm/W
70LM	7,033 lm	75.34W	93.3 lm/W
80LM	8,221 lm	88.07W	93.3 lm/W
90LM	8,751 lm	93.75W	93.3 lm/W

PerfectWhite LED 90+ CRI @ 3000K (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
09LM	924 lm	13.50W	68.4 lm/W
13LM	1,347 lm	19.29W	69.8 lm/W
19LM	1,886 lm	27.01W	69.8 lm/W
27LM	2,694 lm	38.58W	69.8 lm/W

Sunlike LED 97 CRI @ 3000K (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
07LM	706 lm	10.06W	70.2 lm/W
10LM	988 lm	14.08W	70.2 lm/W
14LM	1,425 lm	19.89W	71.7 lm/W
20LM	1,995 lm	27.84W	71.7 lm/W
28LM	2,867 lm	40.00W	71.7 lm/W

Warm Dim LED 92+ CRI @ Full Intensity (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
09LM	900 lm	14.36W	62.6 lm/W
12LM	1,263 lm	20.17W	62.6 lm/W
18LM	1,806 lm	28.24W	63.9 lm/W
26LM	2,580 lm	40.34W	63.9 lm/W

Tunable White LED 90+ CRI @ Cool CCT (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
06LM	616 lm	8.55W	72 lm/W
12LM	1,170 lm	17.11W	68.4 lm/W
18LM	1,694 lm	23.53W	72 lm/W
24LM	2,325 lm	32.278W	72 lm/W
30LM	2,893 lm	40.18W	72 lm/W

Lumenetix White LED 90+ CRI @ 4000K

Efficacy	Lumens Delivered	Input Power	Efficacy
08LM	840 lm	20.2W	41.5 lm/W
14LM	1360 lm	33.7W	40.3 lm/W
21LM	2080 lm	56.2W	37 lm/W
35LM	3480 lm	67.4W	51.6 lm/W

LM Multiplier 1 LED CRI

SW80: 1.00
SW90: 0.90
SW95: 0.75

LM Multiplier 2 LED Color

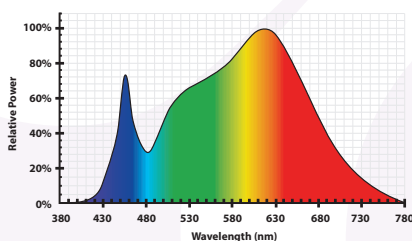
2700K: 0.96
3000K: 1.00
3500K: 1.03
4000K: 1.05
5000K: 1.07

LM Multiplier 3 Trim Finish

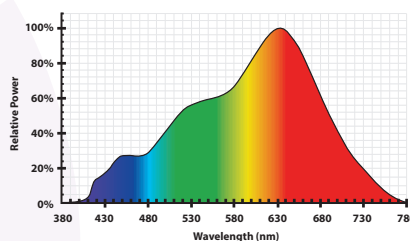
Clear Haze: 1.00
White Paint: 0.90
Black Paint: 0.70

Calculated Delivered Lumens = Delivered Lumen Value x LED CRI x LED Color x Trim Finish

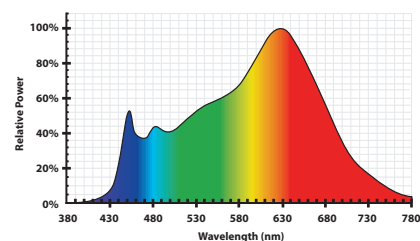
SPECTRAL POWER DISTRIBUTION



Standard LED 90+ CRI @ 3000K



SunLike LED 97 CRI @ 3000K

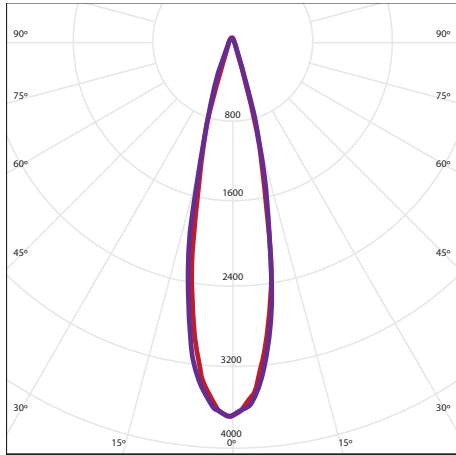


PerfectWhite LED 90+ CRI @ 3000K

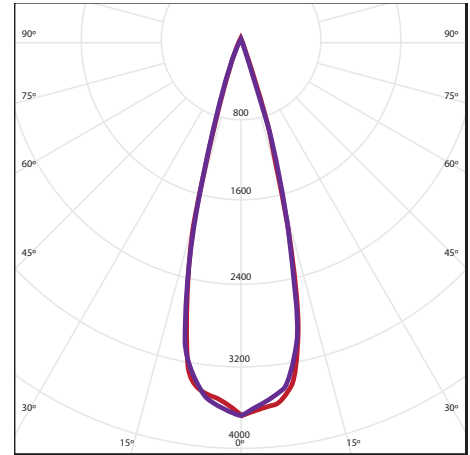
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BEAM DISTRIBUTION

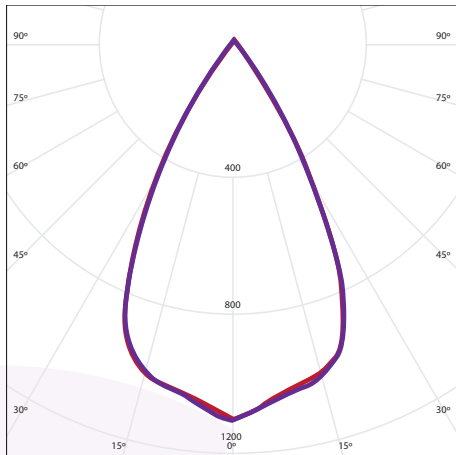
BN - 25° Narrow



BM - 35° Medium



BW - 60° Wide



DIMMING

DIMMING COMPATIBILITY FOR -DIMA1 CODE

Opus® Rondo offers compatibility with both phase-cut (reverse-phase and forward-phase) and 0-10V dimmers. Forward-phase (TRIAC) and reverse-phase (ELV) dimming work only at 120Vac. Phase-cut dimming always has priority over 0-10V dimming. Each fixture requires 1mA for 0-10V dimming. Please consult dimmer datasheet for total 0-10V dimming current requirement to determine suitable number of fixtures per dimmer for best dimming results.

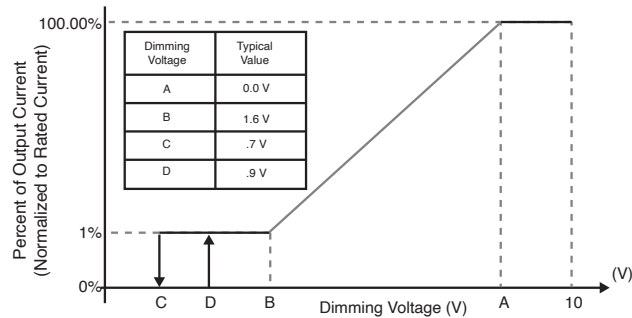
COMPATIBLE PHASE-CUT DIMMERS FOR -DIMA1 CODE

120Vac Dimmers					
Mfg.	Model	Mfg.	Model	Mfg.	Model
Lutron	S-603PG	Lutron	DVELV-303P	Lutron	CT-103P
Leviton	IPI06-1LZ	Lutron	SELV-300P	Cooper	SLC03P
Leviton	6631-2	Leviton	6683-IW	Leviton	IPE04
Lutron	DVCL-153P	Leviton	6161	Lutron	MAELV-600
Lutron	DV-600P	Leviton	6633-P	Lutron	FAELV-500
Lutron	TGCL-153P	Lutron	TG-600P	Lightolier	ZP260QEW
Lutron	S-600P	Cooper	DLC03P	Cooper	DAL06P
Leviton	VPE06	Lutron	LG-600P		

COMPATIBLE 0-10V DIMMERS FOR -DIMA1 CODE

0-10V Dimmers		
Mfg.	Model	Part No.
Lutron	Nova series	NFTV
Leviton	IllumaTech series	IP710-DL
Lutron	Diva series	DVTV

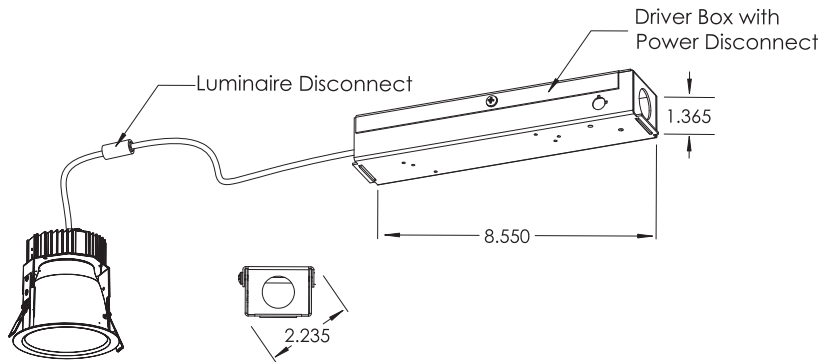
0-10V DIM VOLTAGE REFERENCE FOR -DIMA1 CODE



MOUNTING

Remodeler Mounting (No Suffix)

Mounting dimensions shown are for -DIMA1, -10V, -10V1, up to 50W input power and -LUT1, -LUTZ1 up to 20W input power
Larger remodeler driver box for higher wattages and other dimming options as well, not shown below.



HBH Suffix Mounting

