

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



TECH OPTIONS



DESCRIPTION

Architectural grade downlight with elegant, modern design. Milled aluminum housing, bezel and trim available in wide range of finishes. Open trim aluminum anodized spun reflector with multiple distribution options. Inherently protected luminaire with IC and non-IC options available. Thermal protection in case of improper insulation use. Extruded aluminum anodized heat sink. Positive retention springs allow for easy installation and prevent sagging.

FEATURES

Housing & Trim: milled aluminum, powder coat or bespoke plating finish

Cutout: round

Optic: aluminum spun anodize reflector with ball optic sublens

Beams: narrow, medium, wide

Lumen Output (nominal): up to 2800+ lm, 78.6 lm/W

Mounting: new construction, remodeler, and IC housing box

Heat Sink: anodized aluminum

LED: PerfectWhite™ human centric, Static white CRI 90+ & 95+, Sunlike 97, Tunable white, Warm dim

*≤1x3 SDCM standard, ≤1x2 SDCM available upon request

DIMENSIONS

Optic (A): 1.90"

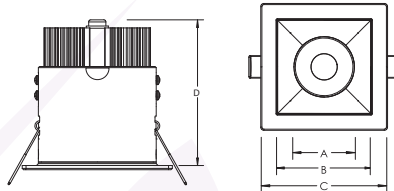
Bezel (B): 2.95"

Flange (C): 3.95"

Height (D): 3.70" - 5.10"

Ceiling Opening: 3.3"

Ceiling Thickness: ½" - 1" thk



WARRANTY

5 Year Limited Warranty (Covers Standard Components)

RATINGS & CERTS

Made In USA with Global Components
Damp Location Rated



1: TYPE

SB3-RD

Square Recessed Downlight

2: LED COLOR & CRI

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

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

3: LUMENS

* RGBW available up to 1200 lm
**See page 2 LED Power
Info for chip-specific lumens

07LM	700 lm
10LM	1000 lm
15LM	1500 lm
20LM	2000 lm
28LM	2800 lm

4: VOLTAGE

U	120-277Vac
1	120Vac
2	277Vac

5: DIMMING / DRIVER

Leading and trailing edge at 120Vac only

DIMA1*	1% universal dim 0-10V/TRIAC/ELV
AVI	Bluetooth Avi-on BLE Wireless for static white, warm-dim, tunable white & RGBW
10V	<10% Dim 0-10V
10V1	1% Dim 0-10V
10VMCZ1	0.1% Dim 0-10Vx2 dim-to-off for tunable white
10VMC1	1% Dim 0-10V multi-channel for tunable white, warm dim & Lumenetix full color presets + 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 ECODrive
ELDZ1	0.1% Dim eldoLED SOLOdrive dim-to-off
DMXZ1	0.1% Dim DMX for tunable, warm dim, & Lumenetix tunable full color and white
DALIZ1	0.1% Dim Dali2 for tunable white, warm dim & Lumenetix 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 code.

6: OPTIC

BNF	25° Faceted Reflector, Specular ball optic sublens
BM	40° Reflector, Specular ball optic sublens
BMF	40° Faceted Reflector, Haze ball optic sublens
BW	55° Reflector, Haze ball optic sublens

7: REFLECTOR FINISH

ACL	Clear Anodize	AGH	Graphite Anodize
PWH	White Matte Paint	ABR	Bronze Anodize
PBK	Black Matte Paint	AW	Wheat Anodize
ABK	Black Anodize		

8: BEZEL & TRIM FINISH

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

*All plating finishes have protective coating

9: IC RATING (OPTIONAL)

IC Insulated ceiling

*Enclosed box required; contact factory for remodeler IC options

10: ACCESSORY

HB*	Ceiling frame with hanger bars
HBH	Ceiling frame with hanger bars & butterfly bracket kit, extendable
LHB	Heavy bars for 36" extension (set of 2 pcs); note 2 sets required for 48"
EN	Enclosed box with ceiling plate & bars
BB4	Battery Backup 4W for 90 mins
BB8	Battery Backup 8W for 90 mins

*Extension range min. 14-24" max. See pg3 for full details.

LED POWER INFO *Insulated ceiling (IC) rating up to 17.2W*

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

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
07LM	760 lm	9.83W	77.3 lm/W
10LM	1,064 lm	13.76W	77.3 lm/W
15LM	1,519 lm	19.32W	78.6 lm/W
20LM	2,126 lm	27.05W	78.6 lm/W
28LM	2,734 lm	34.77W	78.6 lm/W

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

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
07LM	761 lm	14.36W	53lm/W
10LM	1,086 lm	20.17W	53.9 lm/W
15LM	1,521 lm	28.24W	53.9 lm/W

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

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
05LM	521 lm	8.55W	60.9 lm/W
10LM	990 lm	17.11W	57.9 lm/W
15LM	1,433 lm	23.53W	60.9 lm/W

PerfectWhite LED 90+ CRI @ 3000K (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
07LM	791 lm	13.68W	57.9 lm/W
10LM	1,129 lm	19.20W	58.8 lm/W
15LM	1,581 lm	26.89W	58.8 lm/W

Sunlike LED 97 CRI @ 3000K (nominal)

Ordering Code	Lumens, Nominal Delivered	Input Power, Nominal	Efficacy, Nominal
06LM	597 lm	10.06W	59.4 lm/W
08LM	815 lm	14.08W	57.9 lm/W
12LM	1,200 lm	19.89W	60.4 lm/W
17LM	1,680 lm	27.86W	60.4 lm/W

LM Multiplier 1 LED CRI

SW90: 1.00
SW95: 0.92

LM Multiplier 2 LED Color

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

LM Multiplier 3 Optic

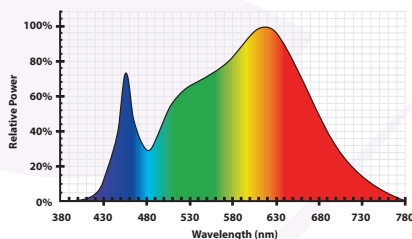
BNF: 1.06
BMF: 1.00
BM: 1.00
BW : 0.94

LM Multiplier 4 Reflector Finish

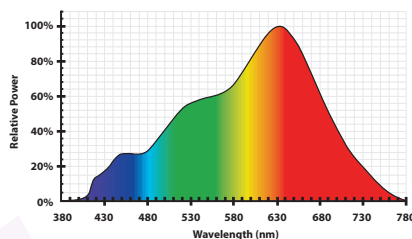
Clear: 1.00
White Paint: 0.95
Black Paint: 0.70

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

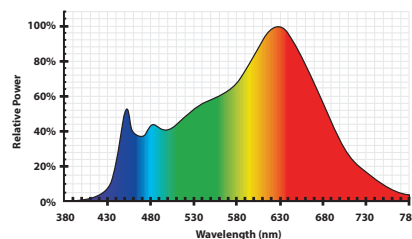
SPECTRAL POWER DISTRIBUTION



Standard LED 90+ CRI @ 3000K



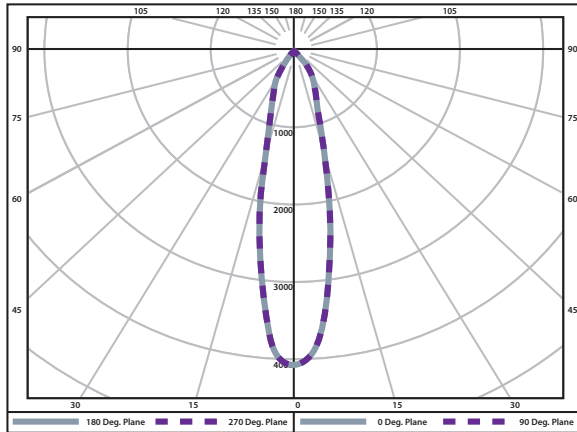
SunLike LED 97 CRI @ 3000K



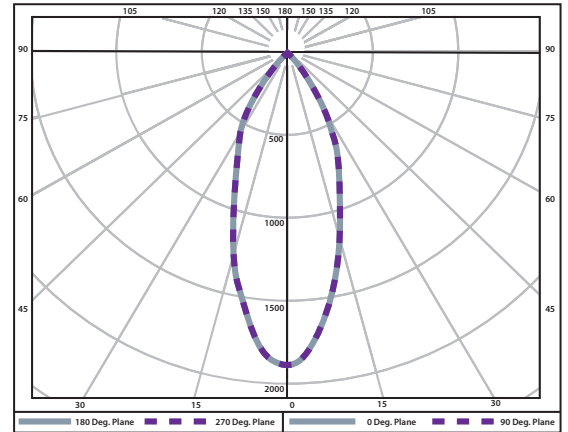
PerfectWhite LED 90+ CRI @ 3000K

BEAM DISTRIBUTION

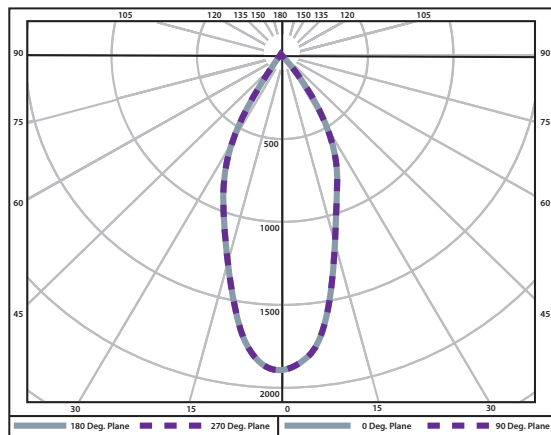
BNF - 25° Narrow Facet Specular



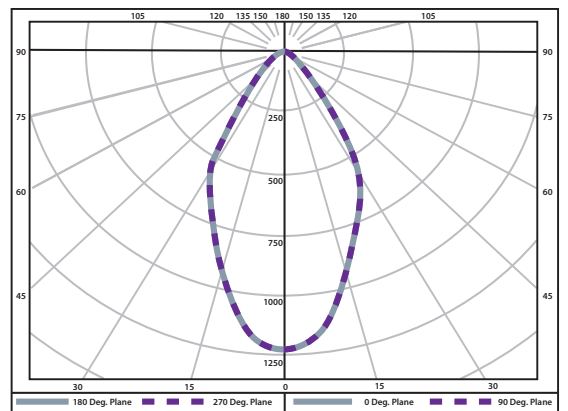
BMF - 40° Medium Facet Haze



BM - 40° Medium Specular



BW - 55° Wide Haze



DIMMING

DIMMING COMPATIBILITY FOR -DIMA1 CODE

Opus® Strat 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.

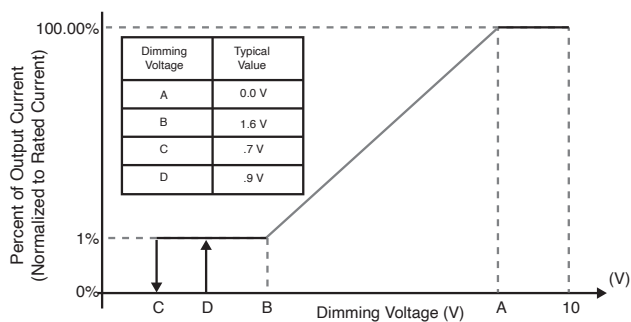
COMPATIBLE PHASE-CUT DIMMERS FOR -DIMA1 CODE

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

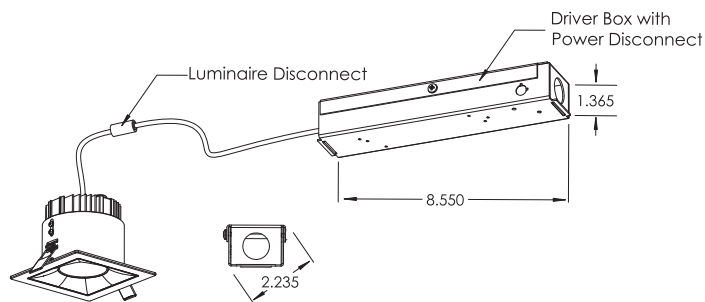
0-10V DIM VOLTAGE REFERENCE FOR -DIMA1 CODE



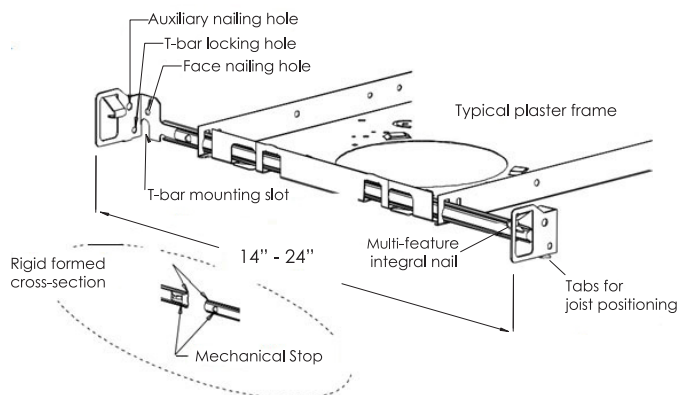
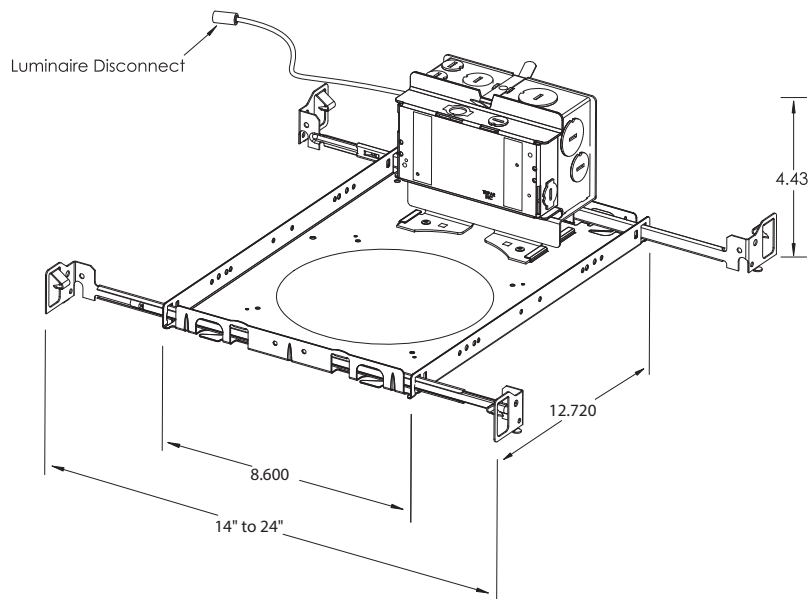
Remodeler Mounting (No Suffix)

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.



HB Suffix Mounting



HBH Suffix Mounting

