

| | | | | |
|----------|------------|-------|------|-------|
| 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 reflector, anodized finish

Beams: narrow, medium, wide

Lumen Output (nominal): up to 1500+ lm, 78.6 lm/W

Mounting: tool-free installation with positive retention springs, IC & Non-IC

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"

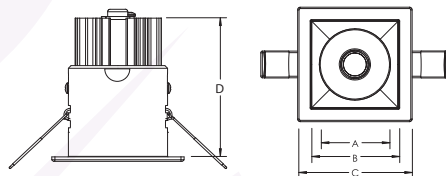
Bezel (B): 2.29"

Flange (C): 2.96"

Height (D): 3.45" - 4.80"

Ceiling Opening: 2.5"

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 | SB2-RD | Square Recessed Downlight |
| 2: LED COLOR & CRI | PC90-30K 3000K PerfectWhite™ 90+ SW90-27K 2700K Static White 90+ SW90-30K 3000K Static White 90+ SW90-35K 3500K Static White 90+ SW90-40K 4000K Static White 90+ SW90-50K 5000K Static White 90+ SW95-27K 2700K Static White 95+ SW95-30K 3000K Static White 95+ SW95-35K 3500K Static White 95+ SW95-40K 4000K Static White 95+ SL97-27K 2700K Sunlike 97 SL97-30K 3000K Sunlike 97 SL97-35K 3500K Sunlike 97 SL97-40K 4000K Sunlike 97 SL97-50K 5000K Sunlike 97 TW90-4018K Tunable White 4000-1800K 90+ TW90-6527K Tunable White 6500-2700K 90+ WD92-4027K Warm Dim 4000-2700K 92+ WD97-3018K Warm Dim 3000-1800K 97+ | <p><i>*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</i></p> <p><i>**Two-step MacAdam Ellipse available upon request. Use *2SP* after LED code</i></p> |
| 3: LUMENS | 07LM 700 lm 10LM 1000 lm 15LM 1500 lm | <p><i>*See page 2 LED Power Info for chip-specific lumens</i></p> |
| 4: VOLTAGE | U 120-277Vac 1 120Vac 2 277Vac | |

| | |
|----------------------------|---|
| 5: DIMMING / DRIVER | 10V <10% Dim 0-10V AVI Bluetooth Avi-on BLE Wireless for static white, warm-dim, tunable white & RGBW 10V1 1% Dim 0-10V 10VMC1 1% Dim 0-10V multi-channel for tunable white, warm dim & Lumenetix full color presets + tunable white 10VZ1 0.1% Dim 0-10V ELV1 1% Dim Leading & trailing edge (Triac/ ELV) 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 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 <p><i>* <20W available for static white</i> <i>** Drivers use logarithmic dimming curve as standard. For linear curve add "LIN" after Dimming Code</i></p> |
|----------------------------|---|

| | |
|-----------------|--|
| 6: OPTIC | BNF 25° Faceted Reflector, Specular BM 40° Reflector, Specular BMF 40° Faceted Reflector, Haze BW 55° Reflector, Haze |
|-----------------|--|

| | |
|----------------------------|--|
| 7: REFLECTOR FINISH | ACL Clear Anodize PWH White Matte Paint PBK Black Matte Paint ABK Black Anodize AGH Graphite Anodize ABR Bronze Anodize AWE Wheat Anodize |
|----------------------------|--|

| | |
|-----------------------------------|--|
| 8: BEZEL & TRIM FINISH | WH White Matte BK Black Matte WB White Flange, Black Bezel BZ Oil-rubbed Bronze Brush Plated LB Light Bronze Plated CS Copper Satin Plated CC Copper Chrome Plated BS Black Satin Plated BC Black Chrome Plated BR Brass Plated NS Nickel Satin Plated NC Nickel Chrome Plated <p><i>*All plating finishes have protective coating</i></p> |
|-----------------------------------|--|

| | |
|--------------------------------|---|
| 9: IC RATING (OPTIONAL) | IC Insulated ceiling <p><i>*All luminaires are inherently protected, enclosed box not required for IC rating.</i></p> |
|--------------------------------|---|

| | |
|----------------------|--|
| 10: ACCESSORY | HB Ceiling plate with hanger bars EN Enclosed box with ceiling plate & bars FMC Flex metal whip, 24-inch for AC power BB7 Battery Backup 7W for 90 mins BB11 Battery Backup 11W for 90 mins BB24 Battery Backup 24W for 90 mins 347STEP 347-277Vac Step Down TF w/ 18" whip 480STEP 480-277Vac Step Down TF w/ 18" whip |
|----------------------|--|

LED POWER INFO *Insulated ceiling (IC) rating up to 10.7W*

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 |

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 |

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 |

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 |

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 |

**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**

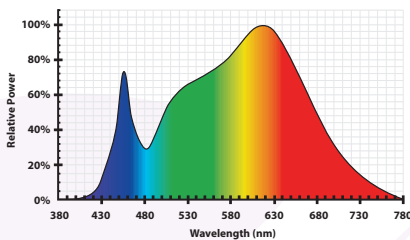
BNF: 1.06
BMF: 1.00
BM: 1.00
BW: 0.94

**LM Multiplier 4
Reflector Finish**

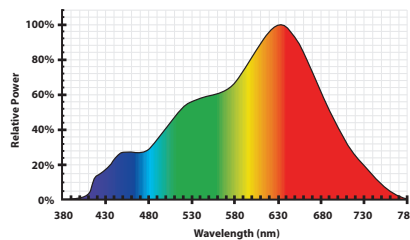
Clear: 1.00
White Paint: 0.95
Black Paint: 0.70

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

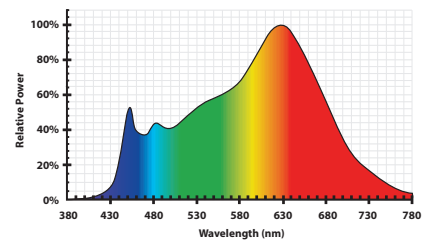
SPECTRAL POWER DISTRIBUTION



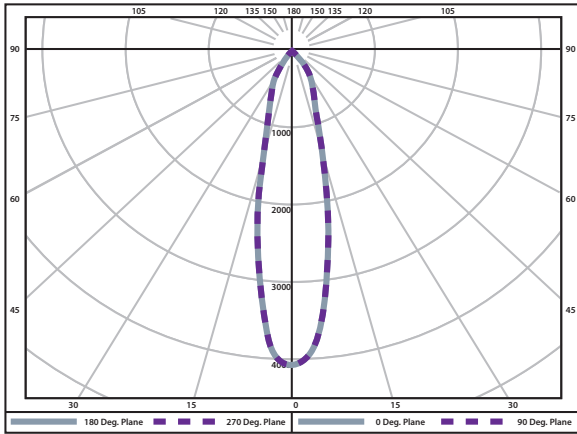
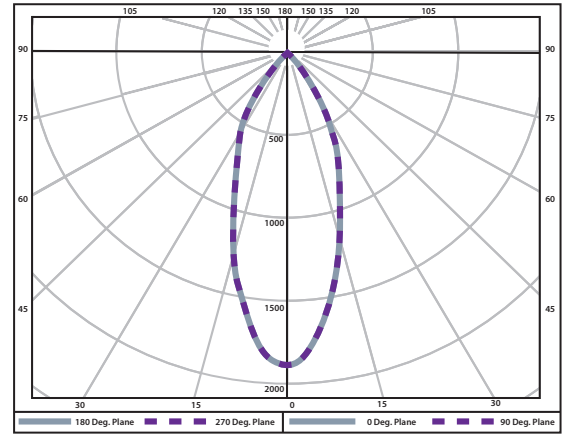
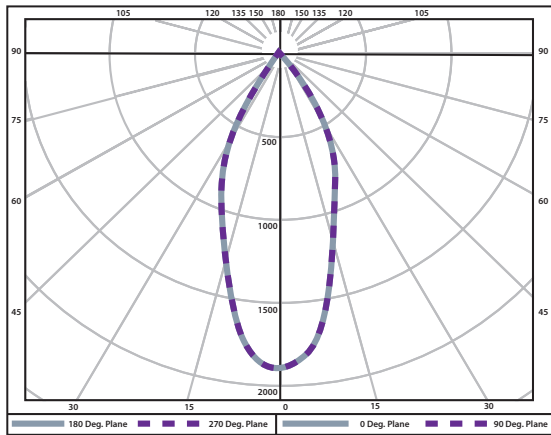
Standard LED 90+ CRI @ 3000K



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
