



MicroWashPro™ | Asymmetric Wall Wash

Remote Driver



PRUDENTIAL LTG.

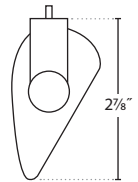
PRULITE.COM 213.746.0360



MWR-PRO
Cable Mounted with
Remote Driver



MWR-PRO-SSC
Stem Mounted with
Remote Driver



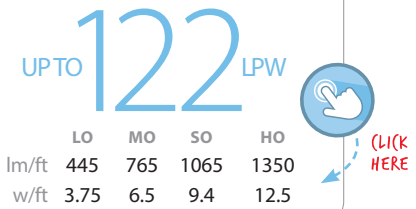
Small, but mighty effective.

Go, gradient, go. Superior optical performance translates to a smooth, clean gradient of light to wash walls evenly, creating just the right amount of highlight at eye level to subtly pique visual interest. Wall mounted with 250° of tilt, the Wash illuminates vaulted ceilings as well.

Also available with integral driver for simple installs.



LOW OUTPUT:
MWR-PRO-LED35-LO
1777 Delivered Lumens
15 Watts
122 lm/w
3500 CCT




Declare.



Made in the
USA

Lumen output may vary +/- 5%
Light Loss Factor (LLF) for CCTs other than 3500K:
4000K +2%, 3000K -5%, 2700K -20%
90 CRI -15% (3K, 3500K, 4K & 5K)
See LED Details PDF for more info

| SE-RIES | LED COLOR | OUTPUT | NOMINAL LENGTH | COLOR/ FINISH | CIRCU-ITING | VOLTAGE | MOUNTING | CEILING SYSTEMS | DRIVERS | OPTIONS |
|------------------------------|---|---|--|---|--------------------------|---|--|--|--|--|
| MWR-PRO | | | | | SC | | | | | |
| Micro-Wash Pro Remote Driver | LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 3 000K (90CRI) LED35-90 3500K (90CRI) LED4-90 4000K (90CRI) LED5-90 5000K (90CRI)  STATIC: BLU3S DYNAMIC: BLU3D* BLU35S BLU35D* BLU4S BLU4D* *Dynamic BIOS, SkyBlue spike can be dimmed, CCT warms slightly TU TuHue 2700-6500K TunableWhite TU2 TuHue 2200-5000K TunableWhite AMB AmberHue Warm Dim 2200K-5000K CHR ChromaHue RGBW (DIMx at HO only) | LO Low MO Medium SO Standard HO High PROG Program-mable Light Output (Specify desired lm/ft or w/ft) | 1' (Consult factory, 1' not available in individual with LO) 2' 3' 4' 5' 6' 7' 8' R (Row length, 1' increments) NOTES: Long rows are typically made up of 8' fixtures (ending with a shorter fixture as needed), if symmetrical fixture lengths in a row are desired please consult factory Individual fixtures are not intended for row mounting | TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color NOTE: All canopies are painted the same color as the fixture. Consult factory to specify | SC Single Circuit | UNV (120-277) 347 (Emergency battery requires a Step Down transformer) | SUR Surface Mount (For X1 & X6 [1] fan fixture mount [by others] per mounting location [required]. See installation instructions). CA48", 96" or 144" Aircraft Cable (Adjustable) SSC Swivel Stem Mount (Specify length) NOTE: Stem cannot mount directly to Remote Driver Box WRM Wall Arm (Max 24" from wall) | X1* T-Bar 1 1/16" or 9/16" Exposed (Standard) Consult factory for 1/2" Tegular X3 Hard Ceiling X6* Slot Grid or Interlude * For SUR [1] fan fixture mount [by others] per mounting location [required]. See installation instructions) | ND Non-Dimming DM01 0-10v, 1% Dimming (Standard) LDE1 Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming) ECO 1% 0-10v, EldoLED (Logarithmic dimming std) ECDA 1% DALI, EldoLED (Logarithmic dimming std) SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std) SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std) HUES: E10V 2 Channel Color Control EDALI 2 Channel Color Control EDMX ChromaHue or Static White | EMHE CA T20 Emergency Battery (1200 Delivered lumens, CA Title 20 compliant) ETS-DR Iota ETS-DR Emergency Transfer Switch |

SEE PAGE 2 FOR REMOTE BOX OPTIONS



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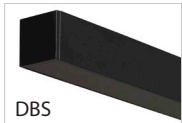


PRUDENTIAL LTG.

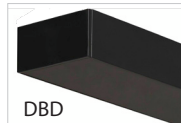
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REMOTE BOX TYPE:

DBS - SINGLE



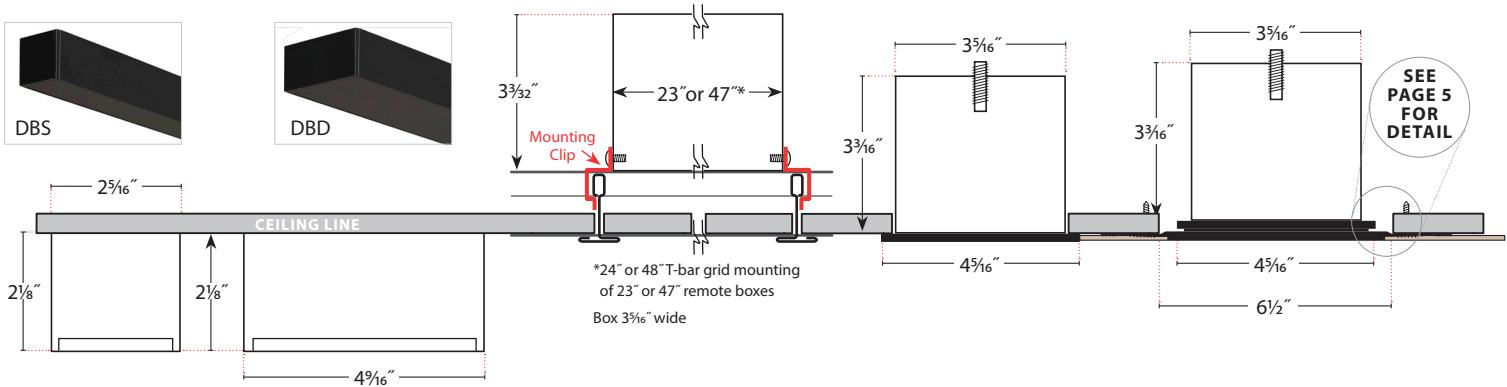
DBD - DOUBLE



X1 T-BAR REMOTE BOXES (PLENUM ACCESS)

X3 FLANGED HARD CEILING REMOTE BOXES

X7 MUD-OVER FLANGE



REQUIRED FOR QUOTING:

PRU WILL COMPLETE:

| SERIES | REMOTE BOX TYPE | REMOTE BOX COLOR | EMERGENCY | OPTIONS | LENGTH | LINE VOLTAGE LOCATION | POWER FEED (NOT FOR X1) | MOUNTING |
|------------|---|--|---|--|--|---|---|---|
| REMBX | | | | | | — | | |
| Remote Box | DBS Deco Surface Box Single DBD Deco Surface Box Double NOTE: Double used when drivers & Emergency don't fit in Single, factory will typically determine when ordering X1 All T-Bar Ceilings X3 Hard Ceilings with Flange (Does not typically need this spec sheet filled out) X7 Hard Ceilings with Mud-over Flange | NA X1 T-bar boxes are pre-painted, DO NOT designate paint color TMW Textured Matte White (Standard) YGW Gloss White Y__ Premium Color CC Custom Color NOTE: Visable parts only | EMHE CAT20 Emergency Battery ETS-DR Iota ETS-DR Emergency Transfer Switch EMC Emergency Circuiting | OMB Over-head Mounting Bracket (X3 & X7 Only, see page 5) Consult factory for Sensors installed in Remote Box | 2' (Standard) 4' Custom | (DBS/DBD ONLY) LEFT: 0 1 2 RIGHT: 0 1 2 NOTE: Left is indicated by power or mount holes on cover See page 6 | 0 1 (Standard) 2 See page 7 | NOMT (Fixture DOES NOT mount to remote box, X1 T-Bar always NOMT) MT (Fixture mounts to remote box) See page 5 |



PHOTOMETRICS

Low Output:

MW-PRO-LED35-LO

1777 Delivered Lumens

15 Watts

122 lm/w

3500 CCT

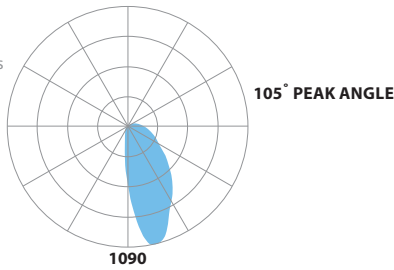
Test

#104283100LAX-001

Zonal Lumen Summary:

0-90 = 90.5%

90-180 = 9.5%



| Vertical Angle | 110° | 125° | 145° | 165° | 180° |
|----------------|------|------|------|------|------|
| 0° | 436 | 436 | 436 | 436 | 436 |
| 5° | 656 | 648 | 584 | 511 | 436 |
| 15° | 1090 | 1067 | 938 | 674 | 416 |
| 25° | 1056 | 1062 | 1053 | 816 | 380 |
| 35° | 846 | 865 | 936 | 857 | 330 |
| 45° | 653 | 652 | 702 | 755 | 269 |
| 55° | 547 | 527 | 502 | 536 | 195 |
| 65° | 444 | 422 | 370 | 322 | 113 |
| 75° | 340 | 324 | 268 | 181 | 45 |
| 85° | 260 | 241 | 192 | 106 | 7 |
| 90° | 228 | 209 | 160 | 82 | 0 |
| 95° | 202 | 183 | 134 | 63 | 0 |
| 100° | 180 | 160 | 114 | 48 | 0 |
| 115° | 119 | 104 | 68 | 13 | 0 |
| 125° | 86 | 72 | 33 | 0 | 0 |
| 135° | 53 | 36 | 10 | 0 | 0 |
| 145° | 20 | 9 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 |

LUMEN MAINTENANCE

L70 — 200,000+ Hours

L90 — 100,000+ Hours (LO, MO & SO)

L90 — 60,000+ Hours (HO)

LED SYSTEM

LED modules and drivers are field replaceable.

PROG

(OPTIONAL)

Programmable light output. Specify desired lumens or watts per linear foot. Min: 2½ w/ft, consult factory for requests above 12 w/ft.

BINNING

Standard binning (all Prudential LED boards) includes testing at the chip level and board integration to provide consistent color temperature within a 3-step MacAdams ellipse. +/- 100 lumens, +/- 100k CCT and +/- .004 Duv.

LABELS

CSA and ETL damp labeled and I.B.E.W. manufactured.

ELECTRICAL

Must specify LED dimming controls. LED fixtures have constant current driver(s) with less than 20% THD when loaded to a minimum of 60%. Drivers sink a maximum of 6mA per driver. DM01 LED drivers are 0-10V dimmable and are compatible with most 0-10V wall slide dimmers and direct 0-10V analog signal dimmers. Max driver size 1¼" w x 1" h.

CONSTRUCTION

Housing Extruded aluminum >25% PC recycled, 100% recyclable.

End Caps Die-formed heavy gauge aluminum, >25% PC recycled, 100% recyclable.

Lens Extruded acrylic with PruOptics™ prisms, 100% recyclable.

Weight 2.2 lbs/ft (Integral).

MOUNTING

Surface, cable or stem mounted to walls or ceilings.

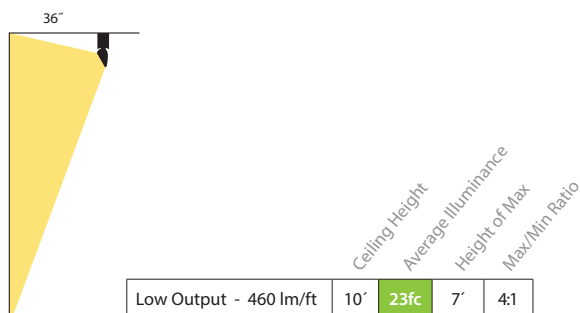
WARRANTY

Single-source, 5 year limited warranty covers standard components and construction.

MicroWash Room Application.

VERTICAL UNIFORMITY

Through PruOptics™ we are able to achieve excellent light distribution down a wall to highlight artwork or the wall itself. 30" - 36" distance from wall surface recommended for best results.



| | | | |
|-----|----|----|----|
| 10' | 18 | 18 | 18 |
| 9' | 33 | 33 | 33 |
| 8' | 45 | 45 | 45 |
| 7' | 46 | 46 | 46 |
| 6' | 37 | 37 | 37 |
| 5' | 29 | 29 | 29 |
| 4' | 22 | 22 | 22 |
| 3' | 18 | 18 | 18 |
| 2' | 15 | 15 | 15 |
| 1' | 12 | 12 | 12 |

CALCULATION NOTES:

- MW-LED35-LO
- 3500K at 4.5 w/ft
- 96 lm/w
- .8 LLF (Light Loss Factor)
- 36" set back

Footcandles on Wall



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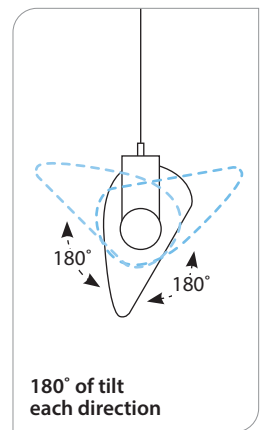
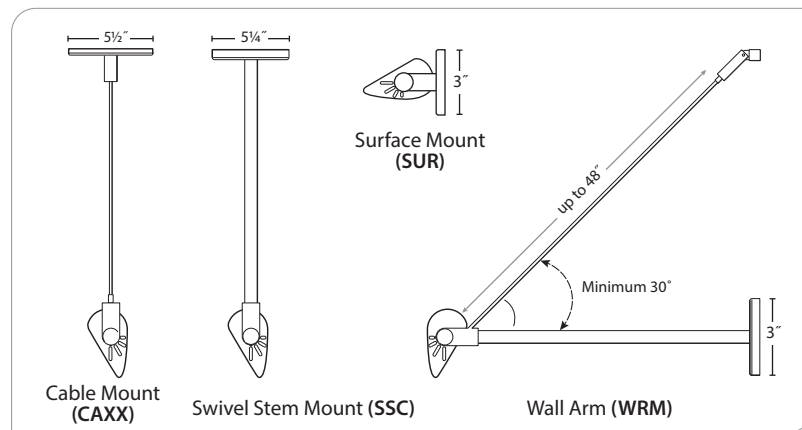
| | |
|-------------------------------|-----------------------------|
| YSW – Seashell White (Matte) | YCH – Champagne (Metallic) |
| YSL – Silver (Metallic) | YPE – Pewter (Matte) |
| YRG – Rain Grey (Gloss) | YSTM – Storm Grey (Matte) |
| YBK – Black (Matte) | YBB – Black (Semi Gloss) |
| YSKM – Sky (Matte) | YMB – Military Blue (Matte) |
| YIB – Interstate Blue (Matte) | YSAM – Sapphire (Matte) |
| YFGM – Forest Green (Matte) | YBR – Bronze (Matte) |
| YBY – Boysenberry (Matte) | YSRM – Sunset Red (Matte) |
| YOR – Orange (Matte) | YDAM – Daffodil (Matte) |

Choose from one of our Premium Colors with no set-up fee.

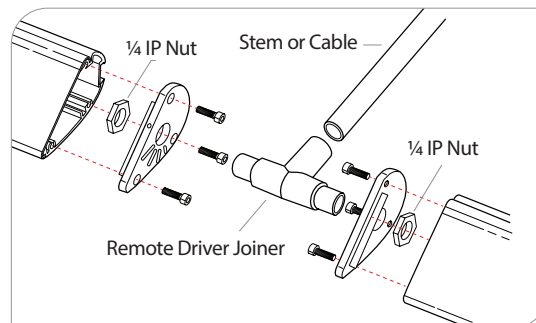
For paint chip samples, please email: info@prulite.com



MOUNTING OPTIONS



ADJOINING DETAIL



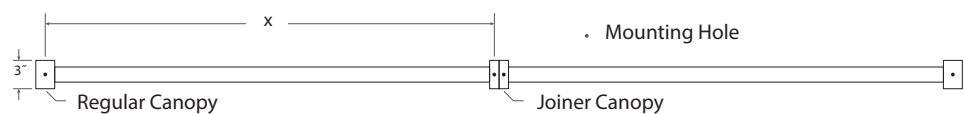
NOTE: 6" to 24" distance from wall, 18"-24" recommended for wall washing.

NOTE: Do not rotate more than 180° in either direction, as over rotating may pull wiring out.

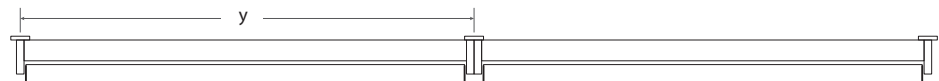
MOUNTING LOCATIONS

| | Mounting Holes | | Actual Fixture Length |
|------|----------------|---------|-----------------------|
| | X | Y | |
| 1' = | 13 1/4" | 13 3/8" | 14" |
| 2' = | 23 3/4" | 24 1/8" | 24 1/2" |
| 3' = | 35 1/4" | 35 3/8" | 36" |
| 4' = | 47 1/4" | 47 3/8" | 48" |
| 6' = | 71 1/4" | 71 3/8" | 72" |
| 8' = | 95 1/4" | 95 3/8" | 96" |

WALL / SURFACE



STEM / CABLE





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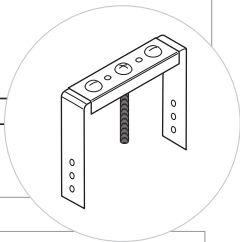
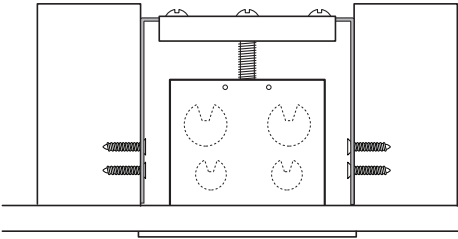


PRUDENTIAL LTG.

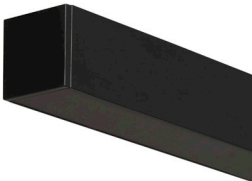
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REMOTE BOX OPTIONS

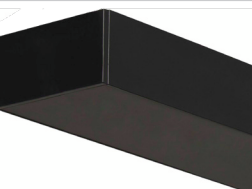
OMB (OVERHEAD MOUNTING BRACKET)
(2 Per Remote Box) Optional mounting for hard ceiling installs (X3, X7)



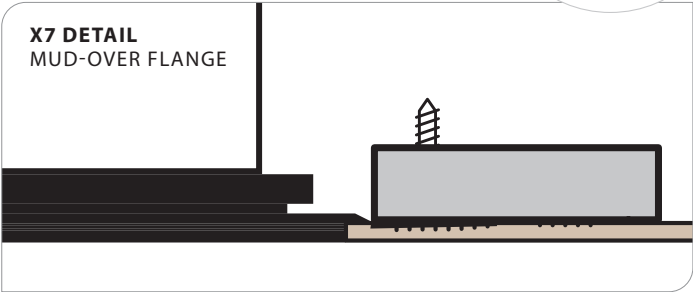
DBS



DBD



X7 DETAIL
MUD-OVER FLANGE



Line Voltage Location for Surface Mount

DBS/DBD Only

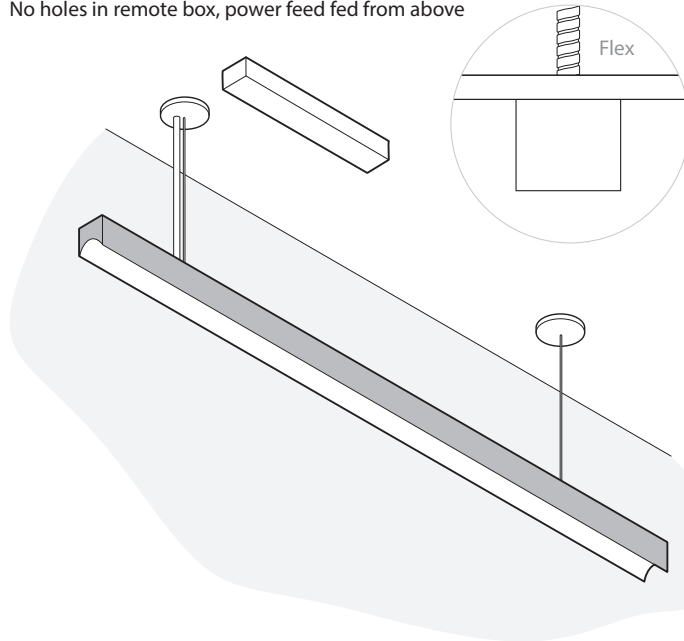


PRUDENTIAL LTG.

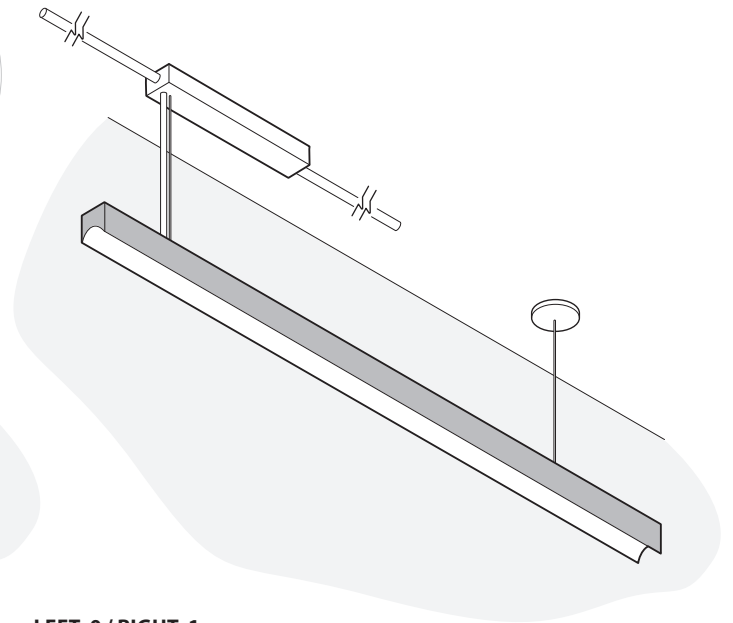
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LEFT: 0 / RIGHT: 0

No holes in remote box, power feed fed from above

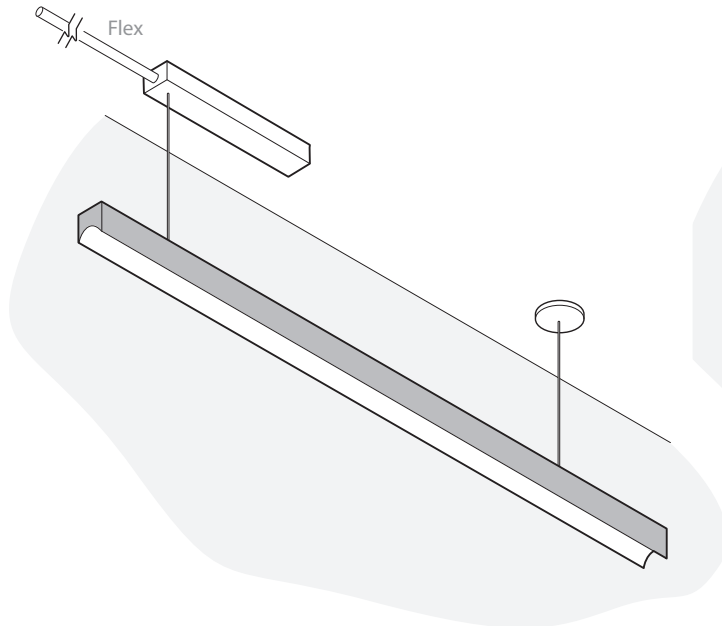


LEFT: 1 / RIGHT: 1



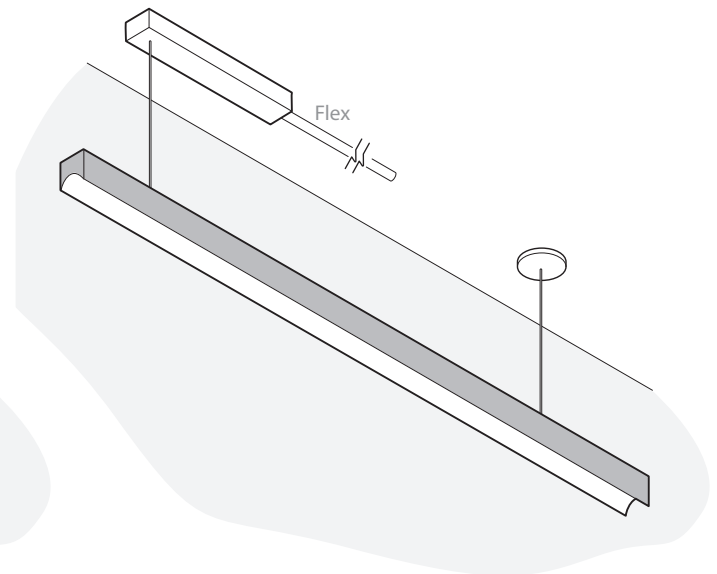
LEFT: 1 / RIGHT: 0

Fixture cable hung from remote box, flex to LEFT
(typically for concrete ceilings)



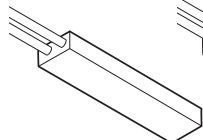
LEFT: 0 / RIGHT: 1

Fixture cable hung, flex to RIGHT of cable

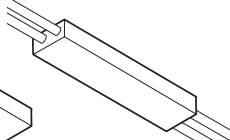


NOTE: DBD will be needed for most driver + Emergency, two power feeds possible L2 (left) or R2 (right) side.

LEFT: 2 / RIGHT: 0

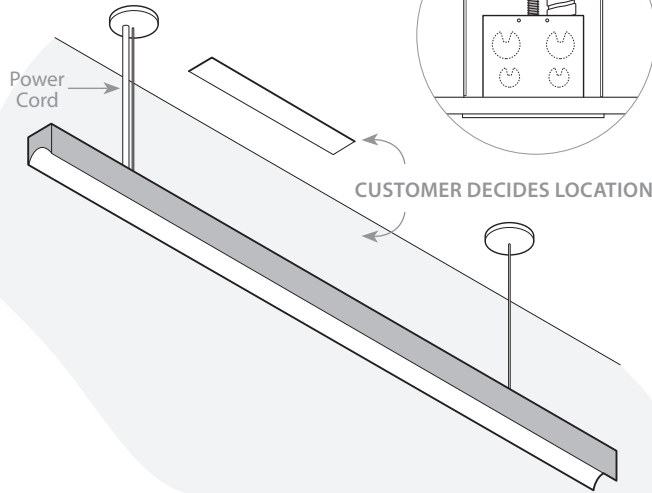


LEFT: 2 / RIGHT: 2

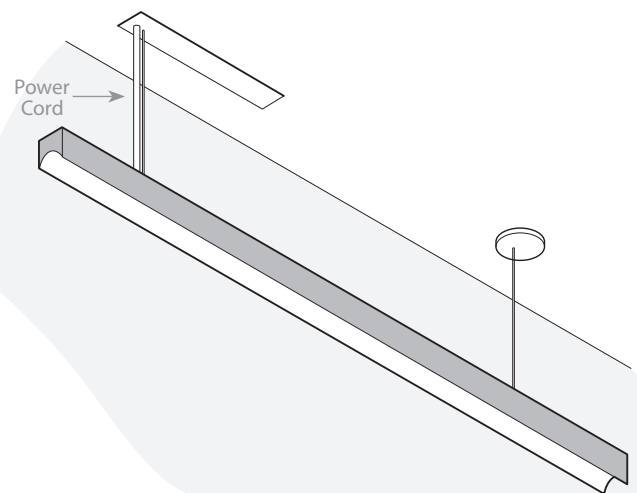




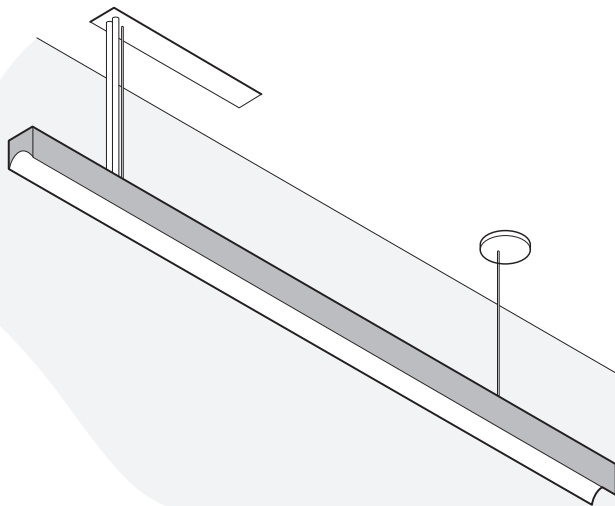
— 0 — No Power cord out of remote box canopy



— 1 — Power cord out of remote box canopy



— 2 — Power cords out of remote box canopy



Mounting



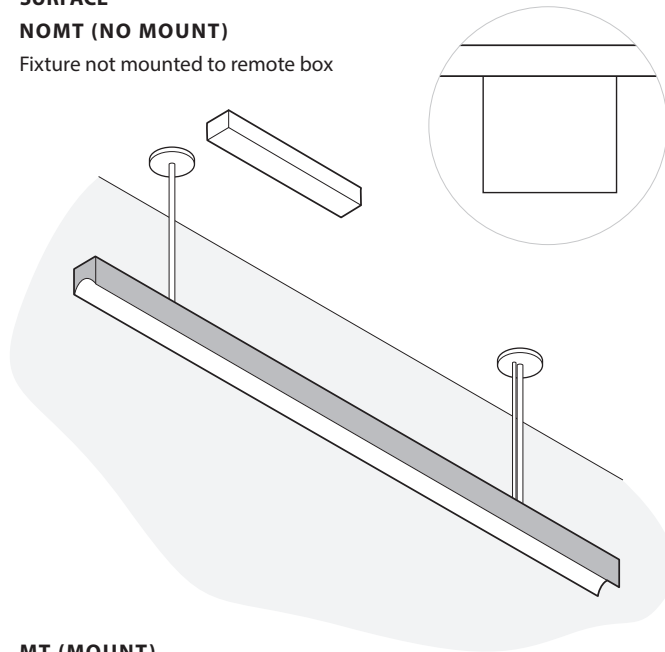
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SURFACE

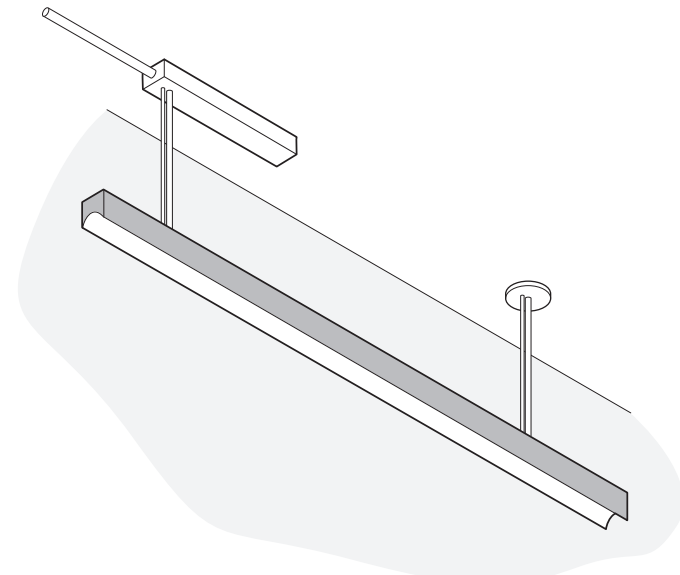
NOMT (NO MOUNT)

Fixture not mounted to remote box



MT (MOUNT)

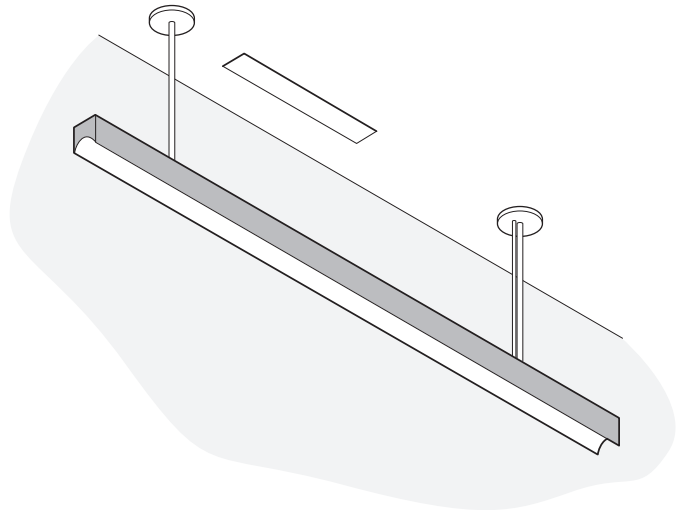
Fixture mounted to remote box



HARD CEILING

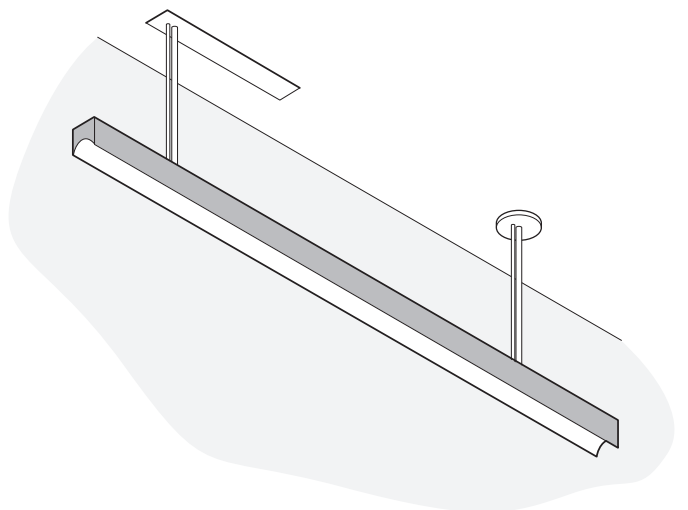
NOMT (NO MOUNT)

Fixture not mounted to remote box



MT (MOUNT)

Fixture mounted to remote box





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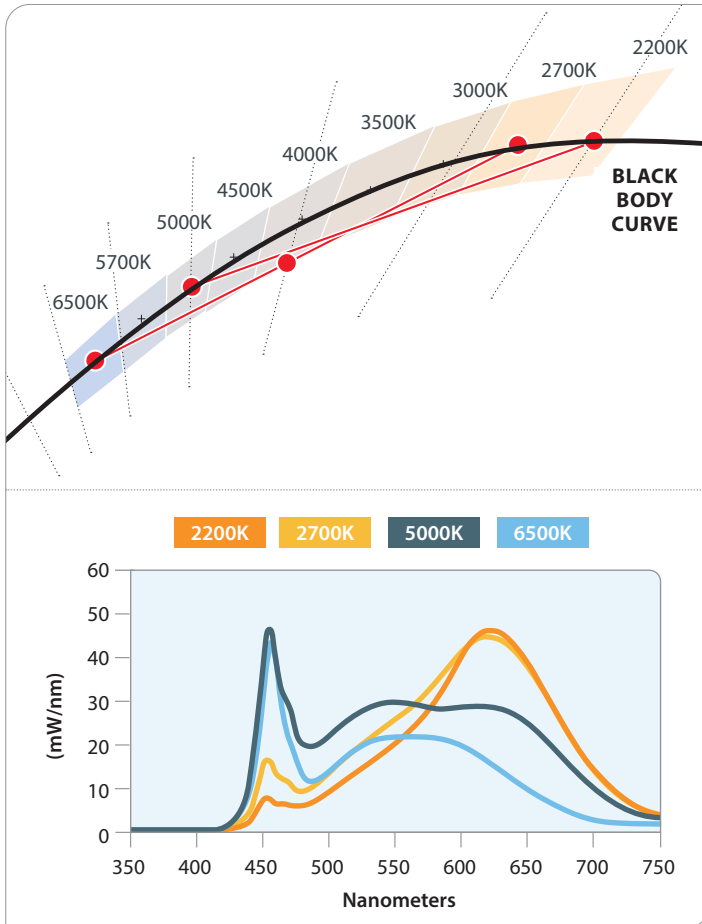
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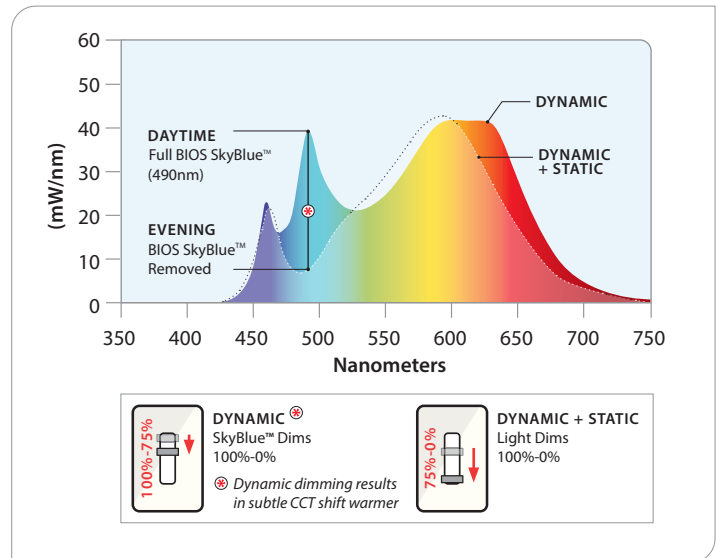
Prudential Lighting's **TuHue** Tunable White provides warm to cool white light simulating sunlight. Controlling the light source color temperature offers differing design aesthetics with potential benefits via circadian rhythm support. Blue light for alertness while warm light conveys tranquility.

- 2700K-6500K or 2200K-5000K.
- Adjust the color temperature and brightness separately.
- Simulates warm to cool to warm transition of sunlight.



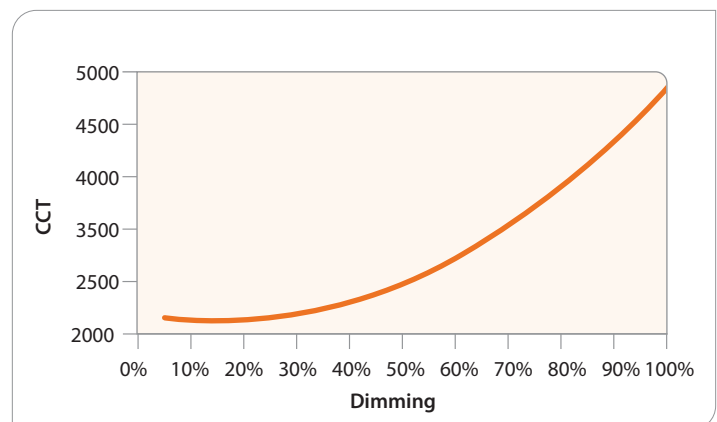
BluHue BIOS SkyBlue™ circadian LED lighting brings the benefits of blue skies inside. Newly discovered blue-sky receptors in our eyes drive improved daytime alertness, mood, brain function, and strengthens circadian rhythms leading to overall better health and well-being.

- Circadian rhythms play an integral role in physical and mental health.
- BluHue BIOS SkyBlue pinpoints peak 490nm sensitivity to provide the most benefit from an electric light source.
- At night, simply dim the lights to remove SkyBlue™ wavelengths (specify "Blu_D" to dim Cyan SkyBlue spike separately [night mode]).



AmberHue is Prudential Lighting's Warm Dim offering. It transitions bright white light to warm amber light as brightness is dimmed, reflecting sunlight's transitioning from intense blue midday light to a dimmed golden hue near sunset, also reminiscent of soft glowing candlelight.

- Warm Dim 2200K-5000K.
- Color temperature warms as the luminaire is dimmed.
- Calm, relaxing mood communicated – hospitality, residential feel.





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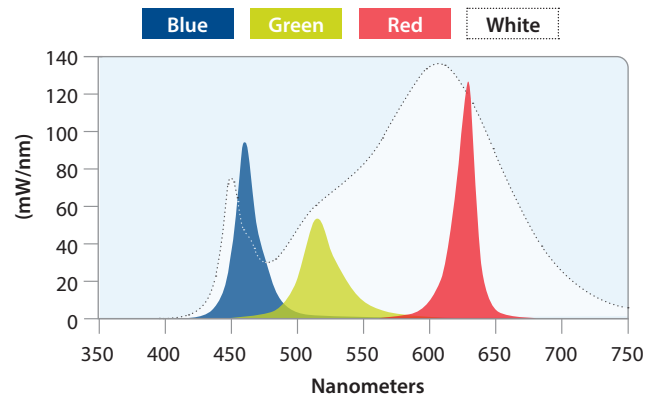
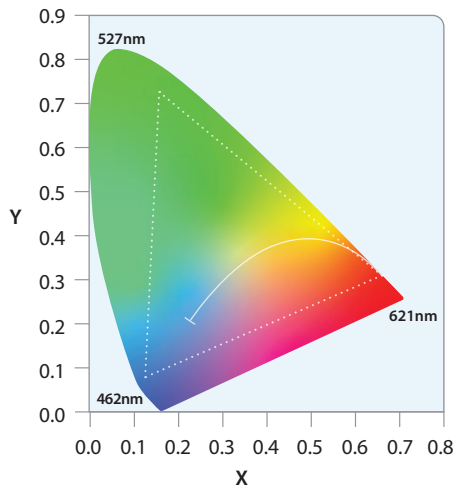
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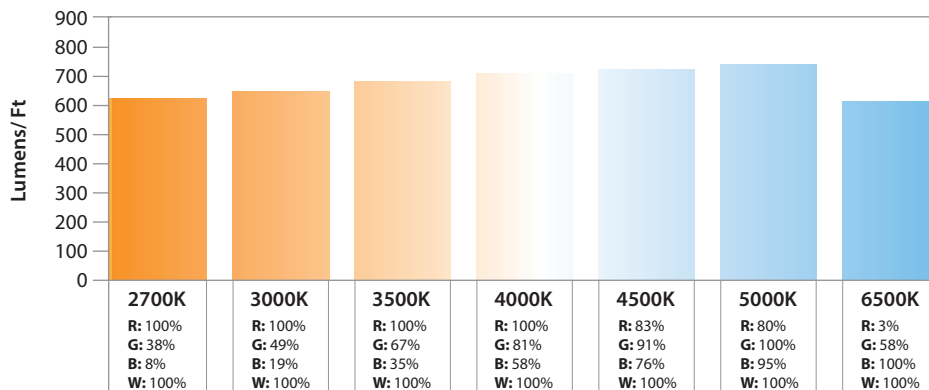


ChromaHue offers a vibrant full gamut of colors for seemingly endless architectural interior applications. Rich color-changing light offers tremendous design flexibility while white light can be achieved with the White chip, or mixing of Red, Green and Blue light. No longer just for the entertainment industry, ChromaHue can be intermixed on MicroCove luminaires for mood-creating indirect illumination combined with static white direct light.

- RGBW LED array (Red, Green, Blue, White) with full spectrum color and white light on the black body curve.
- Four-channel control, DMX drivers.
- Any color point within the triangle can be reached by setting the proper output levels for each individual red, green, blue and white channels.
- Standard DMX is one zone with one XLR drop at start, one XLR return at the end.



CONSTRUCTED WHITES





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LM79 & TM30 DATA:

| | MEASURED CCT | MEASURED LUMENS | CRI | R9 | DuV | SPD | TM30 — COLOR VECTOR | TM30 — COLOR DISTORTION |
|----------|--------------|-----------------|-----|----|-------|-------------|---------------------|-------------------------|
| LED27 | 2680 | 80% | 93 | 58 | 0.001 | | | |
| | | | | | | 400 600 800 | 89 Rf | 97 Rg |
| LED3 | 3042 | 95% | 82 | 6 | 0.001 | | | |
| | | | | | | 400 600 800 | 81 Rf | 92 Rg |
| LED3-90 | 3016 | 85% | 93 | 61 | 0.000 | | | |
| | | | | | | 400 600 800 | 88 Rf | 96 Rg |
| LED35 | 3482 | 100% | 82 | 3 | 0.002 | | | |
| | | | | | | 400 600 800 | 81 Rf | 92 Rg |
| LED35-90 | 3417 | 85% | 93 | 67 | 0.000 | | | |
| | | | | | | 400 600 800 | 88 Rf | 96 Rg |
| LED4 | 3952 | 102% | 82 | 4 | 0.003 | | | |
| | | | | | | 400 600 800 | 81 Rf | 92 Rg |
| LED4-90 | 3882 | 85% | 92 | 67 | 0.003 | | | |
| | | | | | | 400 600 800 | 87 Rf | 96 Rg |
| LED5-90 | 4889 | 85% | 94 | 84 | 0.002 | | | |
| | | | | | | 400 600 800 | 86 Rf | 95 Rg |



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LM79 & TM30 DATA:

| | | MEASURED CCT | MEASURED LUMENS | CRI | R9 | LED27 | SPD | TM30 — COLOR VECTOR |
|--------------------|---------------------------------|--------------|-----------------|-----|----|--------|-----|---------------------|
| BH3S&D | bios 3000K | 2779 | 2758 | 87 | 81 | 0.003 | | |
| | BH3D SKY BLUE DIMMED | 2715 | 2425 | 82 | 3 | 0.002 | | |
| BH35S&D | bios 3500K | 3245 | 2919 | 85 | 87 | 0.003 | | |
| | BH35D SKY BLUE DIMMED | 3061 | 2502 | 83 | 7 | 0.001 | | |
| BH4&D | bios 4000K | 3624 | 2993 | 85 | 86 | 0.004 | | |
| | BH4D SKY BLUE DIMMED | 3388 | 2585 | 83 | 5 | 0.002 | | |
| TH | LED27 | 2684 | 2456 | 92 | 57 | 0.0001 | | |
| | LED65 | 6061 | 3292 | 82 | -1 | 0.006 | | |
| TH2 | LED22 | 2209 | 2112 | 92 | 52 | 0.0005 | | |
| | LED50 | 4796 | 2789 | 93 | 77 | 0.004 | | |
| CH | 2700K | 2632 | 2469 | 82 | 50 | 0.003 | | |
| | 3500K | 3388 | 2585 | 83 | 5 | 0.002 | | |
| | 4000K | 3977 | 2682 | 83 | 29 | 0.003 | | |
| | 5000K | 5233 | 2823 | 84 | 21 | 0.003 | | |