

PPRO SERIES

Precedent Pro

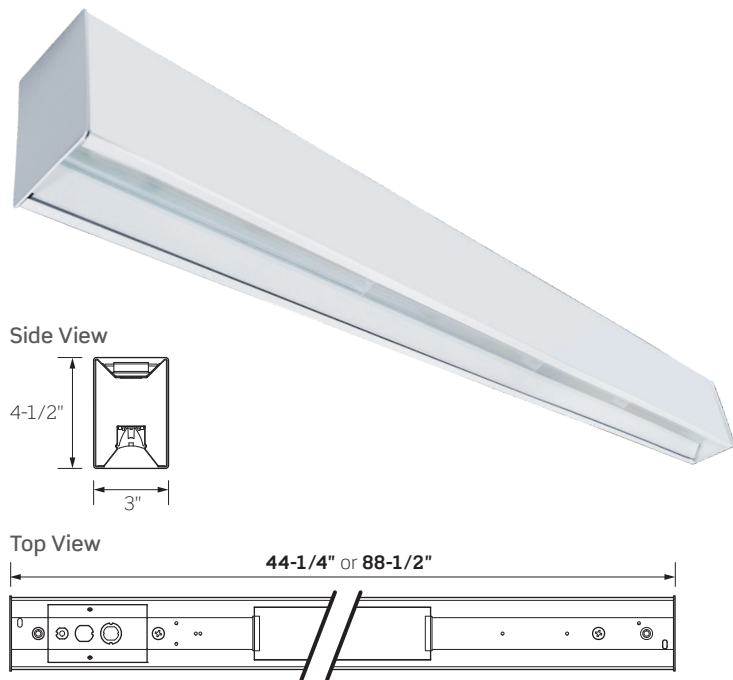
Modular Linear Lighting

Precedent Pro Modular Linear Lighting delivers premium performance for suspended environments.

The three (3) TIR Optic options provide varied distributions with superior beam control and lighting uniformity for both vertical and horizontal planes.

The Stack optic creates an ideal solution for retail aisles, file rooms and library stacks while the Asymmetric and Flood optics serve other general applications.

- Quick-connect Wiring Harness (for power, dimming, and grounding) can support continuous runs up to 80 feet
- Three (3) available downlight outputs delivering up to 1700 lumens/linear foot and three (3) available up-light outputs for up to 600 lumens/linear foot
- Mechanical overlapping luminaire connections support simple installation and ensure a seamless line of illumination without light leaks
- Available in stand-alone or continuous run configurations



| | PPRO4: 44-1/4" Linear | | | PPRO8: 88-1/2" Linear | | |
|---|------------------------------------|-----------|-----------|------------------------------------|-----------|-----------|
| LED SERIES | 04 | 10 | 15 | 04 | 10 | 15 |
| WATTAGE | 11.1W | 29.8W | 46.4W | 22.2W | 59.6W | 92.8W |
| DELIVERED LUMENS ¹ | 1717Lm | 4279Lm | 6270Lm | 3434Lm | 8558Lm | 12540Lm |
| LUMEN/WATT | 154.7Lm/W | 143.6Lm/W | 135.1Lm/W | 154.7Lm/W | 143.6Lm/W | 135.1Lm/W |
| UPLIGHTING DELIVERED LUMENS PER LUMINAIRE | No Uplighting/1100Lm/1600Lm/2500Lm | | | No Uplighting/2200Lm/3200Lm/4900Lm | | |

1. Performance based on 4000K/83CRI Flood Beam Optic; see Photometric Test Results and Multiplier Guides for additional information.
Please refer to Photometric Test Results and Multiplier Guides for alternate Optic or Color Temperature/CRI options

PRODUCT SPECIFICATIONS

CONSTRUCTION

- Die Formed and Spot Welded Cold Rolled Steel Construction
- Powder Coat Paint Finish in White, Black or Silver
- Available in **44-1/4-inches** (PPRO4) and **88-1/2-inches** (PPRO8) lengths
- Can be specified as a Stand Alone unit or in Continuous Runs up to 80 feet
- Manufactured in North America

PERFORMANCE

- TIR Molded Optics with Stack, Asymmetric and Flood distributions deliver uniformity and intensity on both horizontal and vertical target planes
- Optional factory installed Horizontal Louver
- 3000K, 3500K and 4000K CCT with a CRI 80+ or 90+
- L80 Performance > 50,000 hours

ELECTRICAL

- 120-277V 50/60Hz 0-10V Dimming down to 1%
- Single- or Two-Circuit wiring options allow independent control of the optional up light or EM Unit control in continuous runs
- Optional integrated 10W, 90-minute Battery Back-up Module with Test Switch

INSTALLATION

- Available adjustable Aircraft Cable Suspension Kits and Power Feeds allow up to 20-foot suspension
- Certified for installation within ambient temperatures up to 42°C (107.6°F)

CERTIFICATIONS AND WARRANTY

- cETLus certified for use in U.S. and Canada
- Suitable for Damp Locations
- Five (5) year replacement after date of purchase

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ORDERING INFORMATION FOR SERIES LINL1 FAMILY

Example Order: PPRO840K0015FMVD2SAEM-P-2C

| Length ² | CCT/CRI | Uplight ³ | Downlight ³ | Distribution | Driver | Unit Type | Battery Backup | Finish | Options |
|-------------------------|--|--|--|---|--|--|---|---|---|
| PPRO4 44-1/4" | 80+ CRI 30K 3000K 35K 3500K | 00 No Output 02 307Lm/ Linear Ft. | 04 460Lm/ Linear Ft. | S Stack F Flood A Asymmetric | MVD2 120 - 277V 0-10V Dim. | SA Stand Alone SR Start of Run MR Middle of Run ER End of Run | No Backup, Leave Blank EM Emergency Battery Backup | P White B⁴ Black S⁴ Silver | 2C Two-Circuit Wiring L42⁵ White Louver |
| PPRO8 88-1/2" | 90+ CRI 30KC 3000K 35KC 3500K 40KC 4000K | 04 435Lm/ Linear Ft. 06 669Lm/ Linear Ft. | 10 1156Lm/ Linear Ft. 15 1700Lm/ Linear Ft. | | | | | | |

2. Precedent Pro is available in 44-1/4" or 88-1/2" bodies; please note unit lengths when creating continuous inter-connected runs
3. Output options represent Delivered Lumens per Linear Foot of lighting using a flood optic at 4000K/80CRI; actual outputs vary by Optic and CCT/CRI; refer to Photometric Test Results and Multiplier Guides as necessary
4. White is the Standard Finish; Black and Silver finishes available, consult factory for lead time
5. Consult factory for pricing and lead time

SUSPENSION & POWER FEED KITS

Suspension and Power Feed Kits include a length of field cut-table Aircraft Cable and Canopy Kit

| Kit Type | Drop Length | Finish |
|---|------------------------|-----------------------------|
| PPROAC Suspension Kit | 48 48"/4 Ft. | P White |
| PPROPF5WAC 5-Wire Power Feed Kit | 120 120"/10 Ft. | B⁴ Black |
| PPROPF6WAC 6-Wire Power Feed Kit | 240 240"/20 Ft. | S⁴ Silver |

4. White is the Standard Finish; Black and Silver finishes available, consult factory for lead time

EXAMPLE BILL OF MATERIAL: AISLE

One (1) 59 Foot Continuous Run: 4000K/80CRI, Flood Optic, No Uplighting, Series 15 Downlighting, 120/277V, 0-10V Dimming

Power Feed

Cable 1

Cable 2

Cable 3

Cable 4

Cable 5

Cable 6

Cable 7

Cable 8

Start of Run

Middle of Run

Middle of Run

Middle of Run

Middle of Run

Middle of Run

Middle of Run

End of Run

BILL OF MATERIAL

Luminaires: One (1) PPRO830K0615SMVD2SR-P
Six (6) PPRO830K0615SMVD2MR-P
One (1) PPRO830K0615SMVD2ER-P

Power Feed: One (1) PPROPF5WAC48-P

Supports: Eight (8) PPROAC48-P

RUN SUMMARY

59 Total Linear Feet: Eight (8) Luminaires x 88-1/2-inches = 708-inches/59 Feet

Downlight: 100,320 Total Delivered Lumens

Lumens/Foot: 1700 Delivered Lumens/Foot (100,320 Lumens / 59 Linear Feet)

Total Watts: 744W (Eight [8] Luminaires x 93W/Luminaire)

Watts/Foot: 12.6W/Linear Foot (744 Total Watts / 59 Linear Feet)

CONTECH LIGHTING | 725 LANDWEHR ROAD | NORTHBROOK, ILLINOIS 60062 | PHONE 847.559.5500 | www.contechlighting.com

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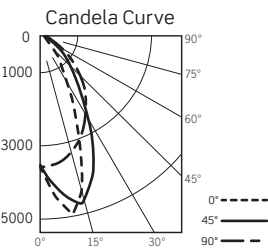
PHOTOMETRICS: DOWN LIGHTS

PPRO440K0015SMVD2SA: 44-1/4-Inch Luminaire /4000K /LED Series 15/ Stack Optic

LM-63 Test No. G005948; LM-79 Test No. S23101801

Fixture Delivered Lumens: 6103.5
 Total Watts@120V: 46.4
 Lumens Per Watt: 131.5
 Center Beam Candle Power: 4965.9
 Beam Distribution: 52.3° @ 90°
 Spacing Criterion: 1.06 @ 90°
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 4000K

| Intensity Distribution | | |
|------------------------|------------------|-----------------|
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIA. (FT.) |
| 6 FT | 99.8 | 5.9 |
| 8 FT | 56.1 | 7.9 |
| 10 FT | 35.9 | 9.8 |
| 12 FT | 24.9 | 11.8 |
| 14 FT | 18.3 | 13.8 |
| 16 FT | 14.0 | 15.7 |

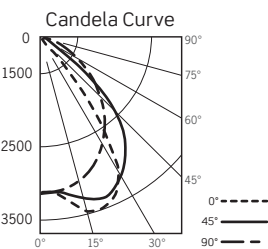


PPRO440K0015FMVD2SA: 44-1/4-Inch Luminaire /4000K /LED Series 15/ Flood Optic

LM-63 Test No. G005962; LM-79 Test No. S23101801

Fixture Delivered Lumens: 6269.9
 Total Watts@120V: 46.4
 Lumens Per Watt: 135.1
 Center Beam Candle Power: 3469.1
 Beam Distribution: 73.6° @ 90°
 Spacing Criterion: 1.17 @ 90°
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 4000K

| Intensity Distribution | | |
|------------------------|------------------|-----------------|
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIA. (FT.) |
| 6 FT | 82.3 | 9.0 |
| 8 FT | 46.3 | 12.0 |
| 10 FT | 29.6 | 15.0 |
| 12 FT | 20.6 | 18.0 |
| 14 FT | 15.1 | 21.0 |
| 16 FT | 11.6 | 23.9 |

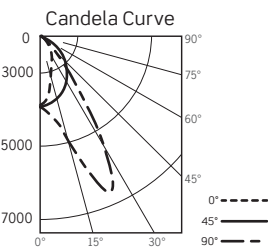


PPRO440K0015AMVD2SA: 44-1/4-Inch Luminaire /4000K /LED Series 15/ Asymmetric Optic

LM-63 Test No. G005950; LM-79 Test No. S23101801

Fixture Delivered Lumens: 5917.9
 Total Watts@120V: 46.4
 Lumens Per Watt: 127.5
 Center Beam Candle Power: 6486.5
 Beam Distribution: 57.5° @ 90°
 Spacing Criterion: 1.12 @ 90°
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 4000K

| Intensity Distribution | | |
|------------------------|------------------|-----------------|
| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIA. (FT.) |
| 6 FT | 73.5 | 7.0 |
| 8 FT | 41.3 | 9.3 |
| 10 FT | 26.5 | 11.6 |
| 12 FT | 18.4 | 13.9 |
| 14 FT | 13.5 | 16.2 |
| 16 FT | 10.3 | 18.5 |



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLIERS: FOR DOWNLIGHT ONLY

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) and Wattage. Published performance data is based on 4000K, 80CRI and the highest wattage series available.

To estimate lumen output of other combinations, multiply the published results by the following factors:

| CCT MULTIPLIERS | | | OUTPUT MULTIPLIERS | | |
|-----------------|------------|-------------|--------------------|-----------|-----------|
| CCT | 80/STD CRI | 90/HIGH CRI | SERIES 04 | SERIES 10 | SERIES 15 |
| 3000K | 0.961 | 0.822 | 0.27 | 0.68 | 1.00 |
| 3500K | 0.975 | 0.849 | | | |
| 4000K | 1.000 | 0.877 | | | |

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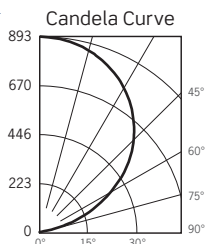
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PHOTOMETRICS: UP LIGHT

PPRO440K06: 44-1/4-Inch Luminaire / 4000K / LED Series 06 / Up Light Only

LM-63 Test No. G005199.001; LM-79 Test No. S23101801

Fixture Delivered Lumens: 2468
 Total Watts@120V: 15.4
 Lumens Per Watt: 160
 Center Beam Candle Power: 893
 Beam Distribution: 79°
 Color Rendering Index (CRI)1: 81
 Color Temperature (CCT)2: 4000K



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures

PHOTOMETRIC MULTIPLIERS: FOR UP LIGHT ONLY

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) and Wattage. Published performance data is based on 4000K, 80CRI and the highest wattage series available. To estimate lumen output of other combinations, multiply the published results by the following factors:

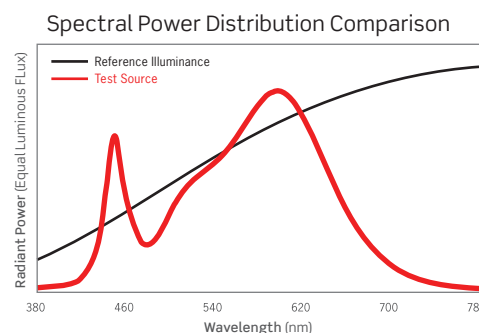
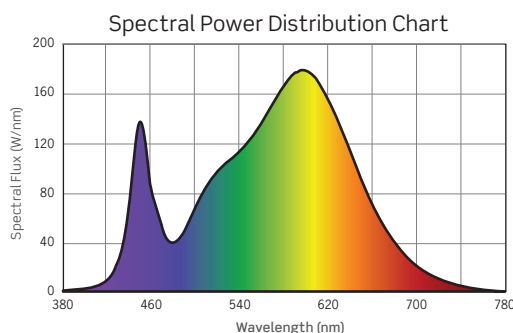
| CCT MULTIPLIERS | | | OUTPUT MULTIPLIERS | | |
|-----------------|------------|-------------|--------------------|-----------|-----------|
| CCT | 80/STD CRI | 90/HIGH CRI | SERIES 02 | SERIES 04 | SERIES 06 |
| 3000K | 0.961 | 0.822 | 0.46 | 0.65 | 1.00 |
| 3500K | 0.975 | 0.849 | | | |
| 4000K | 1.000 | 0.877 | | | |

TM-30 DATA PPRO435K0615SMVD2SR: 44-1/4-Inch Luminaire / 3500K / LED Series 15 / Stack Optic

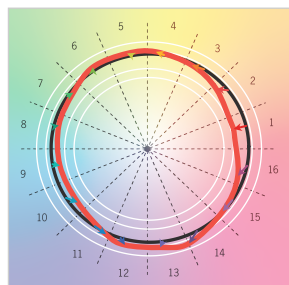
ANSI/IES TM-30-18 Color Rendition Report Test No. S23101801

Colors are for visual orientation purposes only

| | |
|--------|---------|
| Rf | 84 |
| Rg | 96 |
| CCT(K) | 3485K |
| Duv | -0.0007 |
| ul | 0.2364 |
| vl | 0.5107 |

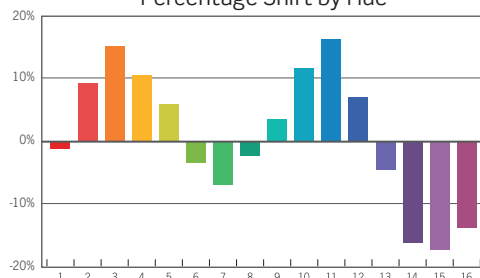


Color Vector Graphic

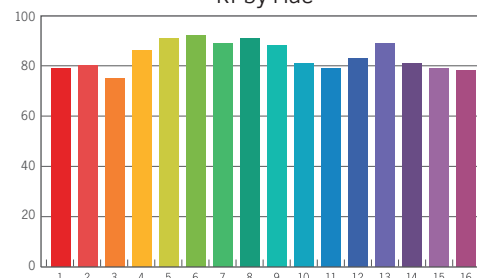


— Reference Illuminance
 — Test Source

Percentage Shift by Hue



Rf by Hue



| HUE BIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------|-----|----|-----|----|----|-----|-----|-----|----|-----|-----|----|-----|------|------|------|
| HUE SHIFT | -1% | 8% | 13% | 9% | 5% | -3% | -6% | -2% | 3% | 10% | 14% | 6% | -4% | -14% | -15% | -12% |
| Rf VALUE | 79 | 80 | 75 | 86 | 91 | 92 | 89 | 91 | 88 | 81 | 79 | 83 | 89 | 81 | 79 | 78 |