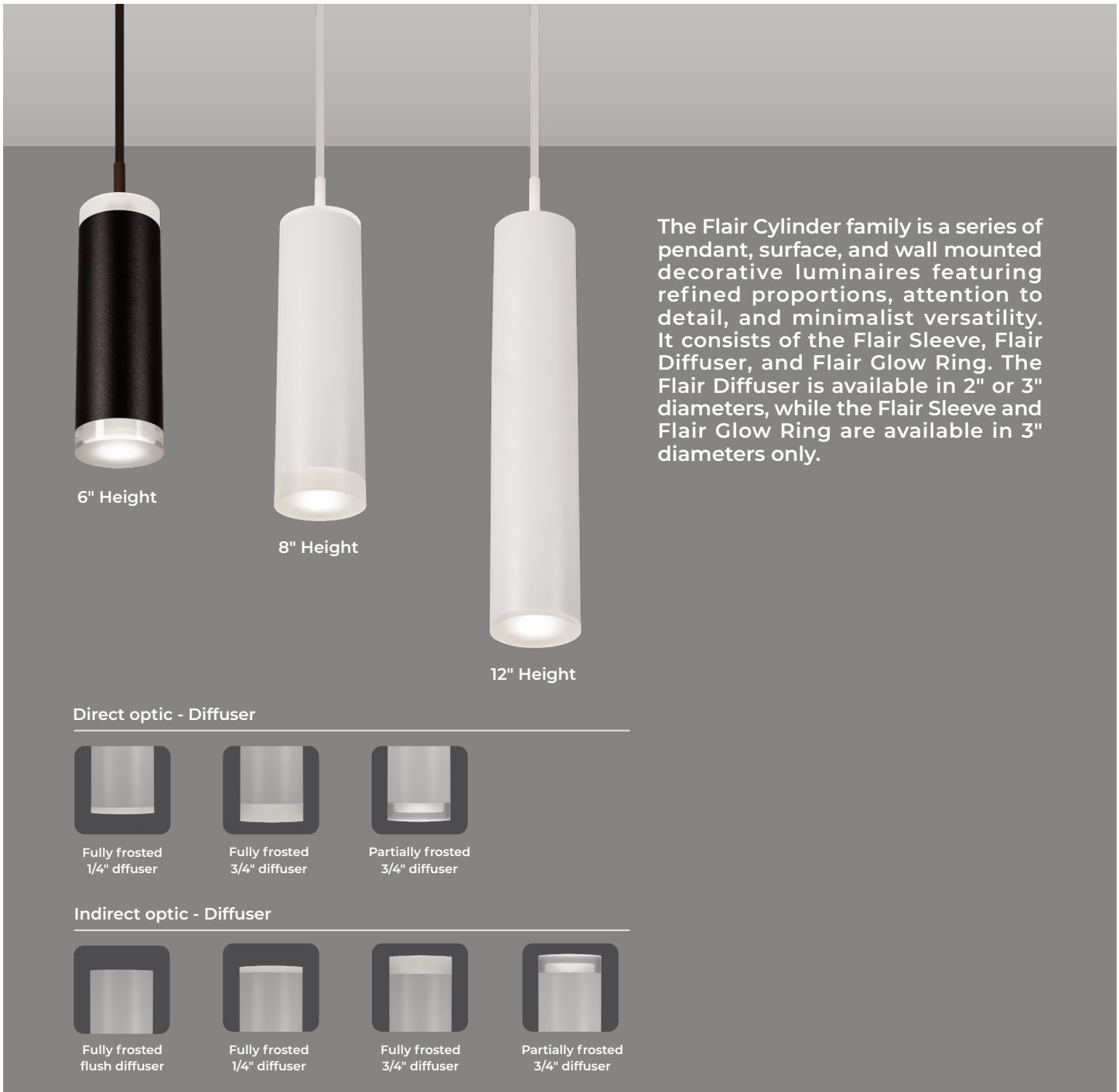


FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



6" Height

8" Height

12" Height

Direct optic - Diffuser



Fully frosted
1/4" diffuser



Fully frosted
3/4" diffuser



Partially frosted
3/4" diffuser

Indirect optic - Diffuser



Fully frosted
flush diffuser



Fully frosted
1/4" diffuser



Fully frosted
3/4" diffuser



Partially frosted
3/4" diffuser

Flair Cylinder Family (Refer to other spec sheets)



2" / 3"
Diffuser

Pendant/Surface/Wall



3"
Glow ring

Pendant/Surface/Wall



3"
Sleeve

Pendant/Surface/Wall



FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



Project: _____

 Type: _____

Order Guide

| LUMINAIRE ID | DISTRIBUTION | CYLINDER HEIGHT | CYLINDER FINISH | DIRECT OPTIC | INDIRECT OPTIC Specify NA for Direct |
|--|--|---|---|---|---|
| FL3DFCYP | | | | | |
| FL3DFCYP - Flair 3" Diffuser Cylinder Pendant | DI ¹ - Direct/Indirect D - Direct ¹ Only available with DR canopy option when specified with integral drivers. | 6IN ² - 6" 8IN - 8" 12IN - 12" CH#IN ³ - Custom height ² Not available with DMNC/DMRM canopy options when specified with integral drivers. ³ Specify height (#) in 1" increments only. Up to maximum 36". For minimum heights, see page 4. | FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL# | FF14 - Fully frosted 1/4" diffuser FF34 - Fully frosted 3/4" diffuser PF34 - Partially frosted 3/4" diffuser | FFFH - Fully frosted flush diffuser FF14 - Fully frosted 1/4" diffuser FF34 - Fully frosted 3/4" diffuser PF34 - Partially frosted 3/4" diffuser NA - Not applicable |

| LIGHT SOURCE | COLOR QUALITY | CRI | COLOR TEMP. | VOLTAGE | DIRECT WATTAGE ⁷ | INDIRECT WATTAGE ⁹ Specify NA for Direct |
|--|---|---|--|---|--|---|
| SW - Static white FS - Full spectrum | 2STP ⁴ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ⁴ Not available with full spectrum. | 90CRI ⁵ - 90 CRI 95CRI - 95 CRI 80CRI ⁵ - 80 CRI ⁵ Not available with full spectrum. | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K | 120V - 120V 277V - 277V UNV - 120V-277V 347V ⁶ - 347V ⁶ Available with RD1 driver only. Please consult factory. | 10W - 10 W output, up to 742 lm 14W - 14 W output, up to 1007 lm 20W ⁸ - 20 W output, up to 1383 lm ⁷ Lumen outputs are reduced with full spectrum, consult factory. ⁸ Not available for a DI fixture. | 10W - 10 W output, up to 445 lm 14W - 14 W output, up to 604 lm NA - Not applicable ⁹ Lumen outputs are reduced with full spectrum, consult factory. |
| SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K | 3STP - 3 Step MacAdam Ellipse | 90CRI - 90 CRI | SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K | | SOLA 12W - 12 W output, up to 615 lm DUO 11W - 11 W output, up to 450 lm | SOLA 12W - 12 W output, up to 431 lm DUO 11W - 11 W output, up to 285 lm NA - Not applicable |

| DIMMING ¹⁰ | | | ELECTRICAL | CANOPY TYPE ¹⁷ | CANOPY FINISH |
|--|---|---|---|---|---|
| INTEGRAL DI - 1% 0-10V ELV ¹¹ - ELV 120V TRI ¹¹ - TRIAC 120V ¹⁰ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹¹ Available with 120V only. | REMOTE ¹² RD1 - 1% 0-10V RELV ¹³ - ELV 120V RTRI ¹³ - TRIAC 120V ¹² A remote driver box is provided, see page 5 for details. ¹³ Available with 120V only. | RLDE1 ¹⁴ - Lutron Hi-lume 1% Eco RDA ¹⁴ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V +EB ¹⁵ - Emergency battery ¹⁴ On-site commissioning is required. ¹⁵ For emergency battery, code will be like the following example: RD1+EB. | 1C - 1 circuit 2C ¹⁶ - 2 circuits ¹⁶ Available with Direct/Indirect only. | FLR ^{18,19} - Flat round canopy, 4" octagonal junction box CDR ^{18,19} - Conduit feed, round canopy DMNC ^{18,20} - Direct mount, new construction DMRM ^{18,20,21} - Direct mount, remodel DR ²² - Deep round canopy ¹⁷ See page 4 for details. ¹⁸ Direct/Indirect requires a remote driver. ¹⁹ 6" long cylinders require a j-box for integral drivers. See page 4 for details. ²⁰ 6" long cylinders require a remote driver. ²¹ Single wiring entry only. No daisy chain connections allowed. ²² Can accommodate up to 2 drivers. | FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL# |
| SOLA SD1 - Single 0-10V input SELV ¹¹ - ELV 120V STRI ¹¹ - TRIAC 120V | SOLA RSD1 - Single 0-10V input RSELV ¹³ - ELV 120V RSTRI ¹³ - TRIAC 120V | DUO RDMX ¹⁴ - DMX RDDA ¹⁴ - DALI DT6 RDDA8 ¹⁴ - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQO ¹⁴ - Lutron T-Series 1% tunable white | | | |

SUSPENSION

| | |
|--|---|
| POWER CORD ²³ BPC##IN - Black PVC WPC##IN - White PVC CF#F##IN ^{24,25,26} - Custom color fabric, consult factory ²³ Min 18" - max 72", specify length (##) in inches. ²⁴ Not available with DI and SD1 dimming options. ²⁵ Not available for DI fixture. ²⁶ Specify fabric color (#). | STEM ²⁷ BKS##IN - Textured black stem WHS##IN - Textured white stem BKSS##IN ²⁸ - Textured black swivel stem WHSS##IN ²⁸ - Textured white swivel stem CF#S##IN ²⁹ - Custom finish stem CF#SS##IN ^{28,29} - Custom finish swivel stem ²⁷ Min 10" - max 72", specify length (##) in inches. ²⁸ Not available with DMNC/DMRM/DR canopy options, or for 6" long cylinders when specified with FLR/CDR and integral driver. ²⁹ Specify RAL#. |
|--|---|



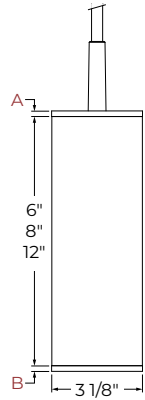
FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



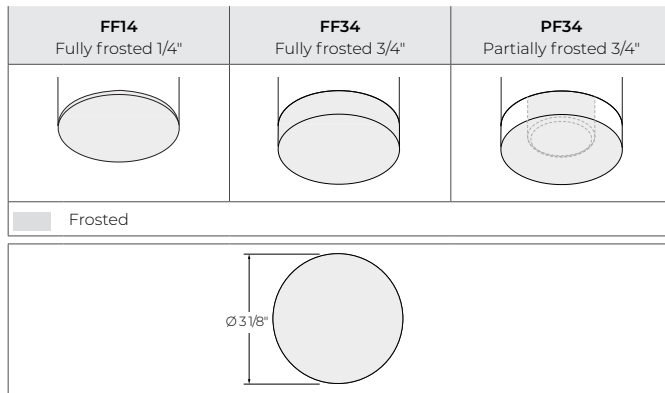
Dimensions

CYLINDER

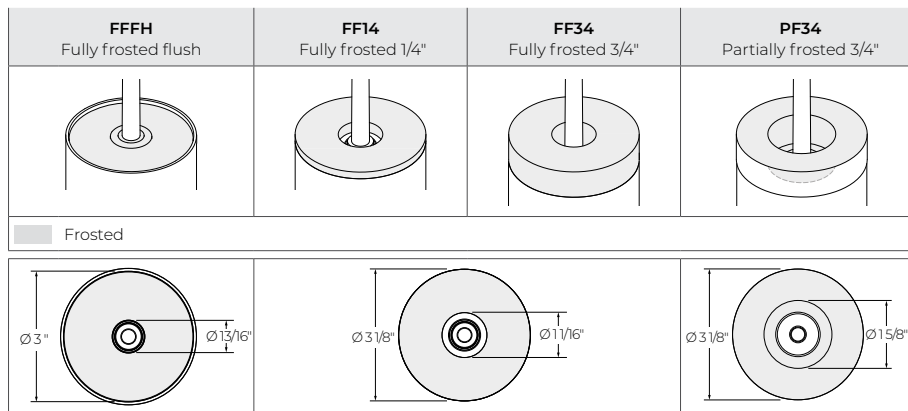


| INDIRECT DIFFUSER | | A |
|------------------------|--|------|
| Fully frosted flush | | NA |
| Fully frosted 1/4" | | 1/4" |
| Fully frosted 3/4" | | 3/4" |
| Partially frosted 3/4" | | 3/4" |
| DIRECT DIFFUSER | | B |
| Fully frosted 1/4" | | 1/4" |
| Fully frosted 3/4" | | 3/4" |
| Partially frosted 3/4" | | 3/4" |

DIRECT OPTIC - DIFFUSER



INDIRECT OPTIC - DIFFUSER



FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



Mounting

CANOPY

| INTEGRAL DRIVER | | | | | |
|-----------------|--|--------------------------------------|---|--|--|
| Order code | FLR Flat round canopy, 4" octagonal junction box | CDR Conduit feed, round canopy | DMNC Direct mount, new construction | DMRM Direct mount, remodel | DR Deep round canopy |
| Canopy type | | | | | |
| Distribution | Direct | | | | Direct/Indirect Direct |
| Canopy size | Ø 4 1/2" Height 3/8" | Ø 5 1/2" Height 1 15/16" | Ø 3 1/8" Height 2" | | Ø 5 5/8" Height 1 3/8" |
| Suspension | Power cord, Stem, Swivel stem ¹ | | Power cord, Stem | | |
| | ¹ Not available for 6" long cylinders specified with FLR/CDR. | | | | |
| Min. height | 6" (Driver in junction box) 8" (Driver in cylinder) | | 8" | | 6" |
| | | | | Single wiring entry only. No daisy chain connections allowed. | D/I - 2 drivers in canopy D - 1 driver in canopy or cylinder |
| REMOTE DRIVER | | | | | |
| Order code | FLR Flat round canopy, 4" octagonal junction box | CDR Conduit feed, round canopy | DMNC Direct mount, new construction | DMRM Direct mount, remodel | DR Deep round canopy |
| Canopy type | | | | | |
| Distribution | Direct/Indirect Direct | | | | |
| Canopy size | Ø 4 1/2" Height 3/8" | Ø 5 1/2" Height 1 15/16" | Ø 3 1/8" Height 2" | | Ø 5 5/8" Height 1 3/8" |
| Suspension | Power cord, Stem, Swivel stem | | Power cord, Stem | | |
| Min. height | 6" | | | | |
| | | | | Single wiring entry only. No daisy chain connections allowed. | |

FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT

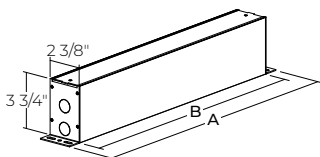


SUSPENSION

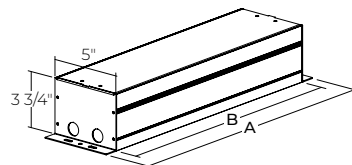
| POWER CORD | | STEM | |
|---|-----------------------|---|--|
| PVC | Fabric ^{1,2} | Stem | Swivel stem ^{3,4} |
| | | | |
| Power Cord Lengths (*) | | Stem Lengths (*) | |
| Min 18" Max 72" | Min 18" Max 72" | Min 10" Max 72" | Min 10" Max 72" Max 45° tilt |
| ¹ Not available with DI and SDI dimming options. ² Not available for DI fixture. | | ³ Not available with DMNC/DMRM/DR canopy options, or for 6" long cylinders when specified with FLR/CDR and integral driver. ⁴ The total stem length (*) includes the 1" swivel base located inside the canopy. | |

REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24



RDB24W



| | RDB8 | RDB18 | RDB24 | RDB24W |
|---------------|--|--|---|--|
| A | 10" | 20" | 26" | 26" |
| B | 8" | 18" | 24" | 24" |
| DRIVER | RDI - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V SOLA RSDI - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V | RLDEI - Lutron Hi-Lume 1% Eco RDA - DALI RELDI - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V | Emergency battery (+EB) with the following driver options. RDI+EB - 1% 0-10V RELV+EB - ELV 120V RTRI+EB - TRIAC 120V DUO RDMX - DMX RDDA - DALI DT6 RDDA8 - DALI DT8 RDD1 - Dual 0-10V input for CCT/intensity RPSQO - Lutron T-Series 1% tunable white | Emergency battery (+EB) with the following driver options. RLDE1+EB - Lutron Hi-Lume 1% Eco RDA+EB - DALI RELD1+EB - eldoLED 1% ECOdrive 0-10V RELD0+EB - eldoLED 0.1% SOLOdrive 0-10V |

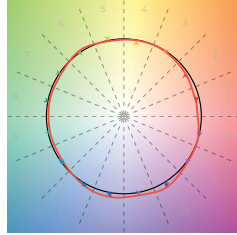
FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



Color Quality

| COLOR QUALITY - 3500K | |
|-----------------------|------|
| TM-30 R _r | 90 |
| TM-30 R _g | 100 |
| CRI | 90 |
| R9 | > 50 |

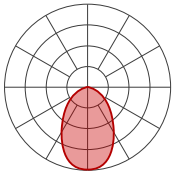


Photometrics

Values calculated based on 3500K.

DIRECT OPTIC - DIFFUSER

Fully frosted 1/4"



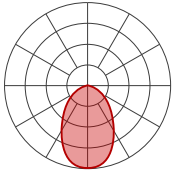
Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 664 | 510 | 709 |
| 14 W | 901 | 693 | 963 |
| 20 W | 1237 | 951 | 1322 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 66 | 51 | 71 |
| 14 W | 64 | 49 | 69 |
| 20 W | 62 | 48 | 66 |

Fully frosted 3/4"



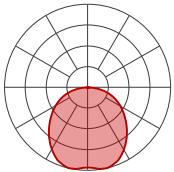
Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 694 | 534 | 742 |
| 14 W | 942 | 725 | 1007 |
| 20 W | 1294 | 995 | 1383 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 69 | 53 | 74 |
| 14 W | 67 | 52 | 72 |
| 20 W | 65 | 50 | 69 |

Partially frosted 3/4"



Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 660 | 507 | 705 |
| 14 W | 896 | 689 | 957 |
| 20 W | 1230 | 946 | 1315 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 66 | 51 | 71 |
| 14 W | 64 | 49 | 68 |
| 20 W | 61 | 47 | 66 |

MULTIPLIERS

Please follow the multiplier table to ensure correct lumen value.

| CCT | |
|-------|------|
| 2700K | 0.9 |
| 3000K | 0.95 |
| 3500K | 1 |
| 4000K | 1.05 |

For SOLA and DUO, please consult factory.

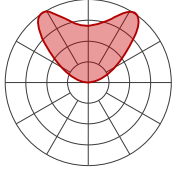
FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



INDIRECT OPTIC - DIFFUSER

Fully frosted flush



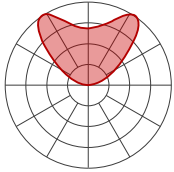
Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 314 | 242 | 336 |
| 14 W | 427 | 328 | 456 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 31 | 24 | 34 |
| 14 W | 31 | 23 | 33 |

Fully frosted 1/4"



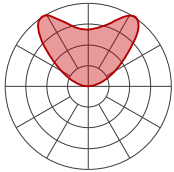
Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 398 | 306 | 425 |
| 14 W | 541 | 416 | 578 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 40 | 31 | 43 |
| 14 W | 39 | 30 | 41 |

Fully frosted 3/4"



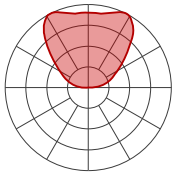
Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 416 | 320 | 445 |
| 14 W | 565 | 435 | 604 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 42 | 32 | 45 |
| 14 W | 40 | 31 | 43 |

Partially frosted 3/4"



Delivered lumens

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 396 | 304 | 423 |
| 14 W | 538 | 413 | 574 |

Efficacy

| CRI | 90 CRI | 95 CRI | 80 CRI |
|------|--------|--------|--------|
| 10 W | 40 | 30 | 42 |
| 14 W | 38 | 30 | 41 |

MULTIPLIERS

Please follow the multiplier table to ensure correct lumen value.

| CCT | |
|-------|------|
| 2700K | 0.9 |
| 3000K | 0.95 |
| 3500K | 1 |
| 4000K | 1.05 |

For SOLA and DUO, please consult factory.

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\begin{array}{c} \text{DIRECT} \\ \text{DELIVERED LM} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{DELIVERED LM} \end{array} \right)}{\left(\begin{array}{c} \text{DIRECT} \\ \text{WATTAGE} \end{array} + \begin{array}{c} \text{INDIRECT} \\ \text{WATTAGE} \end{array} \right)} = \text{EFFICACY}$$

FLAIR 3" DIFFUSER

CYLINDER PENDANT
DIRECT/INDIRECT, DIRECT



Technical Specifications

LIGHT SOURCE

Static white

Compact COB (Chip-On-Board) LED module, available in 2700K, 3000K, 3500K and 4000K with a choice of 80 CRI, 90 CRI, or 95 CRI, with elevated R9 value for 90 CRI and above. Color consistency is maintained to within 2 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

Full spectrum

The full spectrum LED option offers improved color particularly in the cyan region which helps increase Cyanosis Observation Index (COI) and assist in regulating circadian rhythms. The cyan region in full spectrum LED is richer at the 480 nm range.

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

Chromawerx DUO

Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool (6500K) to warm (2700K) LED arrays - maintaining a CRI above 90. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%.

Integral: 0-10V, ELV, TRIAC

Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% 2-wire and 1% EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V, DMX, Lutron T-series (tunable white)

Emergency battery option: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. IOTA and Fulham options available upon request. Minimum of 90 minutes operation, and recharge time of 24 hours. For fixtures less than 10 W, the battery provides 6 W of emergency light output. For fixtures 10 W and over, the battery provides 10 W.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

CONSTRUCTION

Housing: Die-cast and extruded aluminum

Power cord: Black and white PVC, custom color fabric. 18" to 72" standard length.

Stem: Ø 1/2" rigid stem and swivel stem 10" to 72" standard length

Canopy: Flat, conduit feed, direct, and deep

Finish: Textured matte white, black, and champagne. Custom colors also available (provide RAL #).

Diffuser: Acrylic

Heat sink: Die-cast aluminum

WEIGHT

| Direct/Indirect | Direct |
|------------------------------|------------------------------|
| 6": 2.2 lbs - 1 kg | 6": 2 lbs - 0.9 kg |
| 8": 2.4 lbs - 1.1 kg | 8": 2.2 lbs - 1 kg |
| 12": 2.9 lbs - 1.3 kg | 12": 2.4 lbs - 1.1 kg |

CERTIFICATION

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.