

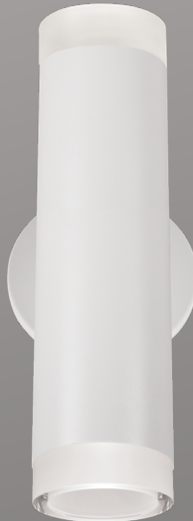
# FLAIR 3" GLOW RING

CYLINDER WALL

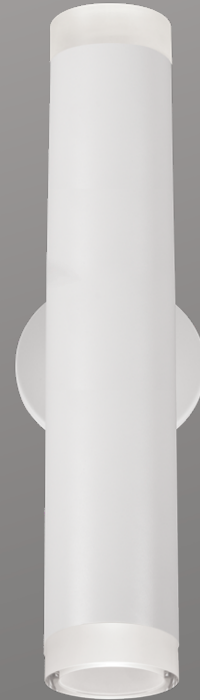
DIRECT/INDIRECT, DIRECT, INDIRECT



6" Height



8" Height



12" Height

The Flair Cylinder family is a series of pendant, surface, and wall mounted decorative luminaires featuring refined proportions, attention to detail, and minimalist versatility. It consists of the Flair Sleeve, Flair Diffuser, and Flair Glow Ring. The Flair Diffuser is available in 2" or 3" diameters, while the Flair Sleeve and Flair Glow Ring are available in 3" diameters only.

## Direct optic - Glow ring



Glow ring

## Indirect optic - Glow ring



Glow ring

## 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

[www.lumenwerx.com](http://www.lumenwerx.com)  
T (514) 225-4304

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FLAIR3-GLOW-RING-CYLINDER-WALL-SPEC-REV1 February 7, 2024



# FLAIR 3" GLOW RING

## CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT



Project: \_\_\_\_\_

Type: \_\_\_\_\_

### Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	OPTIC
<b>FL3GRCYW</b>				<b>GLR</b>
<b>FL3GRCYW</b> - Flair 3" Glow Ring Cylinder Wall	<b>DI</b> - Direct/Indirect <b>D</b> - Direct <b>I</b> - Indirect	<b>6IN</b> <sup>1</sup> - 6" <b>8IN</b> <sup>1</sup> - 8" <b>12IN</b> - 12"  <sup>1</sup> For Direct/Indirect fixture, available with remote driver only.	<b>FTMW</b> - Textured matte white <b>FTMB</b> - Textured matte black <b>FCHP</b> - Champagne <b>CF#</b> - Custom finish specify, RAL#	<b>GLR</b> - Glow ring

LIGHT SOURCE	DIRECT BEAM Specify NA for Indirect	INDIRECT BEAM Specify NA for Direct	COLOR QUALITY	CRI
<b>SW</b> - Static white <b>FS</b> - Full spectrum	<b>15DEG</b> - 15° Narrow spot <b>25DEG</b> - 25° Spot <b>35DEG</b> - 35° Narrow flood <b>50DEG</b> - 50° Wide flood <b>NA</b> - Not applicable	<b>15DEG</b> - 15° Narrow spot <b>25DEG</b> - 25° Spot <b>35DEG</b> - 35° Narrow flood <b>50DEG</b> - 50° Wide flood <b>NA</b> - Not applicable	<b>2STP</b> <sup>2</sup> - 2 Step MacAdam Ellipse <b>3STP</b> - 3 Step MacAdam Ellipse  <sup>2</sup> Not available with full spectrum.	<b>90CRI</b> <sup>3</sup> - 90 CRI <b>95CRI</b> - 95 CRI <b>80CRI</b> <sup>3</sup> - 80 CRI  <sup>3</sup> Not available with full spectrum.
<b>SOLA</b> - Dim-to-warm single channel control 35K to 22K <b>DUO</b> - Tunable white 2-channel control 65K to 27K	<b>50DEG</b> - 50° Wide flood <b>NA</b> - Not applicable	<b>50DEG</b> - 50° Wide flood <b>NA</b> - Not applicable	<b>3STP</b> - 3 Step MacAdam Ellipse	<b>90CRI</b> - 90 CRI

COLOR TEMP.	ACCESSORIES <sup>4</sup> See page 3 for details	VOLTAGE	DIRECT WATTAGE <sup>8</sup> Specify NA for Indirect	INDIRECT WATTAGE <sup>10</sup> Specify NA for Direct
<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>At light element</b> <sup>5,6</sup> (choose up to 2 options) <b>LSDL</b> - Soft diffused lens, Solite <b>LFDL</b> - Frosted diffused lens <b>LCL</b> - Clear lens <b>LS</b> - Linear spread <b>NA</b> - None	<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V <b>347V</b> <sup>7</sup> - 347V  <sup>7</sup> Available with RD1 driver only. Please consult factory.	<b>10W</b> - 10 W output, up to 1092 lm <b>14W</b> - 14 W output, up to 1482 lm <b>20W</b> <sup>9</sup> - 20 W output, up to 2035 lm <b>NA</b> - Not applicable  <sup>8</sup> Lumen outputs are reduced with full spectrum, consult factory. <sup>9</sup> Not available for a DI fixture.	<b>10W</b> - 10 W output, up to 1092 lm <b>14W</b> - 14 W output, up to 1482 lm <b>20W</b> <sup>11</sup> - 20 W output, up to 2035 lm <b>NA</b> - Not applicable  <sup>10</sup> Lumen outputs are reduced with full spectrum, consult factory. <sup>11</sup> Not available for a DI fixture.
<b>SOLA</b> - Dim-to-warm single channel control 35K to 22K <b>DUO</b> - Tunable white 2-channel control 65K to 27K	<sup>4</sup> For SOLA/DUO, one of the following lenses must be specified: LSDL or LFDL. <sup>5</sup> If two options are specified, separate codes with a "+", e.g. LSDL+LS. <sup>6</sup> LSDL, LFDL and LCL cannot be combined.		<b>SOLA</b> <b>12W</b> - 12 W output, up to 725 lm  <b>DUO</b> <b>11W</b> - 11 W output, up to 525 lm <b>NA</b> - Not applicable	<b>SOLA</b> <b>12W</b> - 12 W output, up to 725 lm  <b>DUO</b> <b>11W</b> - 11 W output, up to 525 lm <b>NA</b> - Not applicable

DIMMING <sup>12</sup>			ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH <sup>19</sup>
<b>INTEGRAL</b> <b>DI</b> - 1% 0-10V <b>ELV</b> <sup>13</sup> - ELV 120V <b>TRI</b> <sup>13</sup> - TRIAC 120V  <sup>12</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details. <sup>13</sup> Available with 120V only.	<b>REMOTE</b> <sup>14</sup> <b>RD1</b> - 1% 0-10V <b>RELV</b> <sup>15</sup> - ELV 120V <b>RTRI</b> <sup>15</sup> - TRIAC 120V  <sup>14</sup> A remote driver box is provided, see page 4 for details. <sup>15</sup> Available with 120V only.	<b>RLDE1</b> <sup>16</sup> - Lutron Hi-lume 1% Eco <b>RDA</b> <sup>16</sup> - DALI <b>RELD1</b> - eldoLED 1% ECOdrive 0-10V <b>RELD0</b> - eldoLED 0.1% SOLOdrive 0-10V <b>+EB</b> <sup>17</sup> - Emergency battery  <sup>16</sup> On-site commissioning is required. <sup>17</sup> For emergency battery, code will be like the following example: RD1+EB.	<b>1C</b> - 1 circuit <b>2C</b> <sup>18</sup> - 2 circuits  <sup>18</sup> Available with Direct/Indirect only.	<b>FLR</b> - Flat round canopy, 4" octagonal junction box <b>DM</b> - Direct mount	<b>FTMW</b> - Textured matte white <b>FTMB</b> - Textured matte black <b>FCHP</b> - Champagne <b>CF#</b> - Custom finish, specify RAL#  <sup>19</sup> Direct mount finish matches cylinder finish.
<b>SOLA</b> <b>SDI</b> - Single 0-10V input <b>SELV</b> <sup>13</sup> - ELV 120V <b>STRI</b> <sup>13</sup> - TRIAC 120V	<b>SOLA</b> <b>RSD1</b> - Single 0-10V input <b>RSELV</b> <sup>15</sup> - ELV 120V <b>RSTRI</b> <sup>15</sup> - TRIAC 120V	<b>DUO</b> <b>RDMX</b> <sup>16</sup> - DMX <b>RDDA</b> <sup>16</sup> - DALI DT6 <b>RDDA8</b> <sup>16</sup> - DALI DT8 <b>RDD1</b> - Dual 0-10V input for CCT/intensity <b>RPSQO</b> <sup>16</sup> - Lutron T-Series 1% tunable white			



# FLAIR 3" GLOW RING

## CYLINDER WALL

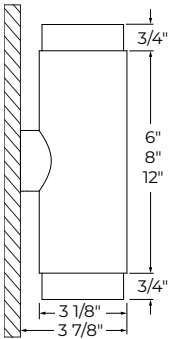
DIRECT/INDIRECT, DIRECT, INDIRECT



### Dimensions

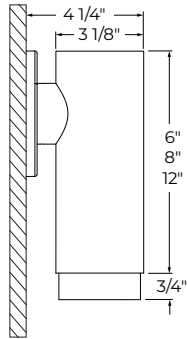
#### CYLINDER

Direct/Indirect <sup>1</sup>



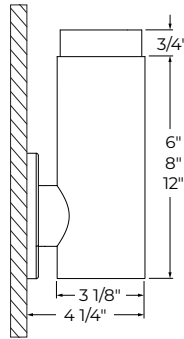
Direct mount <sup>2</sup>

Direct <sup>1</sup>



Flat round canopy <sup>2</sup>

Indirect <sup>1</sup>

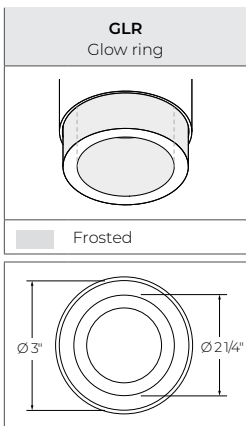


Flat round canopy <sup>2</sup>

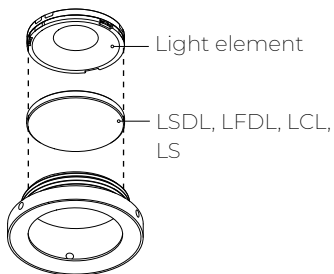
<sup>1</sup>Certain restrictions apply. See page 2 for the height options available with integral and remote.

<sup>2</sup>Flat round canopy and direct mount options are available with all Direct/Indirect, Direct and Indirect.

#### OPTIC - GLOW RING



### Accessories



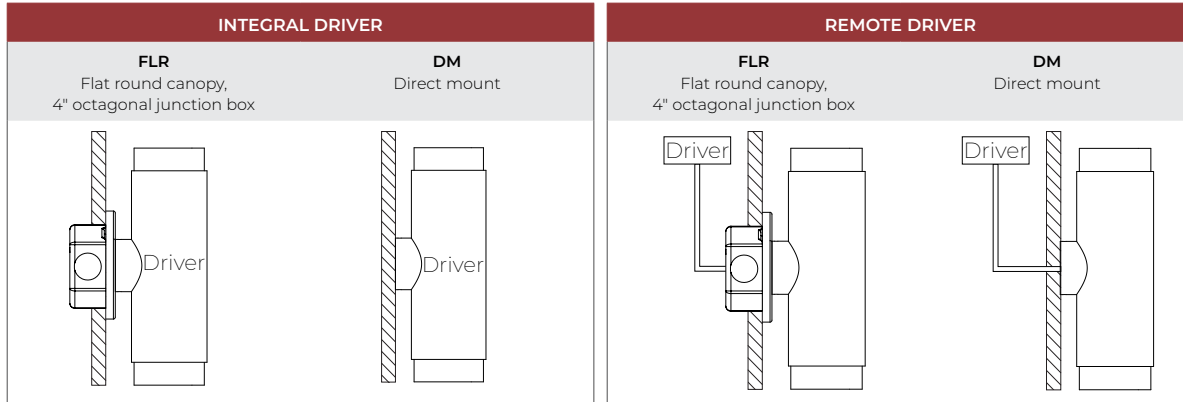
# FLAIR 3" GLOW RING



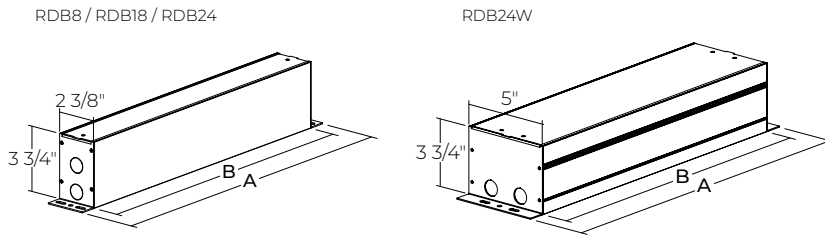
## CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT

### Mounting



### REMOTE DRIVER BOX



	RDB8	RDB18	RDB24	RDB24W
<b>A</b>	10"	20"	26"	26"
<b>B</b>	8"	18"	24"	24"
<b>DRIVER</b>	<b>RD1</b> - 1% 0-10V <b>RELV</b> - ELV 120V <b>RTRI</b> - TRIAC 120V  <b>SOLA</b> <b>RSD1</b> - Single 0-10V input <b>RSELV</b> - ELV 120V <b>RSTRI</b> - TRIAC 120V	<b>RLDE1</b> - Lutron Hi-lume 1% Eco <b>RDA</b> - DALI <b>RELD1</b> - eldoLED 1% ECOdrive 0-10V <b>RELD0</b> - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. <b>RD1+EB</b> - 1% 0-10V <b>RELV+EB</b> - ELV 120V <b>RTRI+EB</b> - TRIAC 120V  <b>DUO</b> <b>RDMX</b> - DMX <b>RDDA</b> - DALI DT6 <b>RDDA8</b> - DALI DT8 <b>RDD1</b> - Dual 0-10V input for CCT/intensity <b>RPSQ0</b> - Lutron T-Series 1% tunable white	Emergency battery (+EB) with the following driver options. <b>RLDE1+EB</b> - Lutron Hi-lume 1% Eco <b>RDA+EB</b> - DALI <b>RELD1+EB</b> - eldoLED 1% ECOdrive 0-10V <b>RELD0+EB</b> - eldoLED 0.1% SOLOdrive 0-10V

# FLAIR 3" GLOW RING

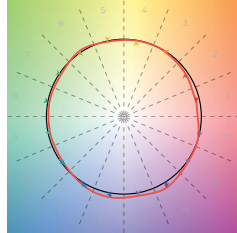
CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT



## Color Quality

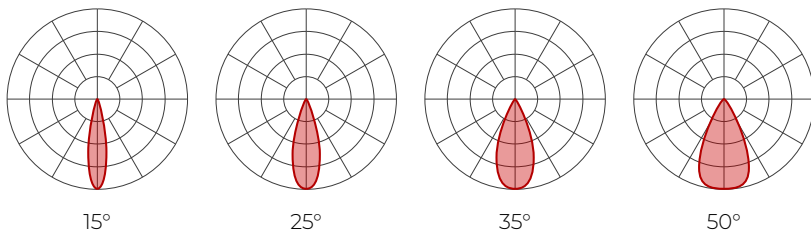
COLOR QUALITY - 3500K	
TM-30 R <sub>r</sub>	90
TM-30 R <sub>g</sub>	100
CRI	90
R9	> 50



## Photometrics

Values calculated based on 3500K and LSDL lens option.

### DIRECT OPTIC - GLOW RING



### Delivered lumens

CRI	90 CRI				95 CRI				80 CRI			
	15°	25°	35°	50°	15°	25°	35°	50°	15°	25°	35°	50°
10 W	966	1021	1004	897	743	785	772	690	1032	1092	1073	959
14 W	1311	1387	1363	1218	1008	1066	1048	937	1401	1482	1457	1302
20 W	1800	1904	1872	1673	1384	1464	1439	1286	1924	2035	2001	1788

### Efficacy

CRI	90 CRI				95 CRI				80 CRI			
	15°	25°	35°	50°	15°	25°	35°	50°	15°	25°	35°	50°
10 W	97	102	100	90	74	79	77	69	103	109	107	96
14 W	94	99	97	87	72	76	75	67	100	106	104	93
20 W	90	95	94	84	69	73	72	64	96	102	100	89

### MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. Beams, CCT and accessories will change the lumen value.

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

ACCESSORIES	
Soft diffused lens	1
Frosted diffused lens	0.8
Clear lens	1.1
Linear spread	0.84

For SOLA and DUO, please consult factory.

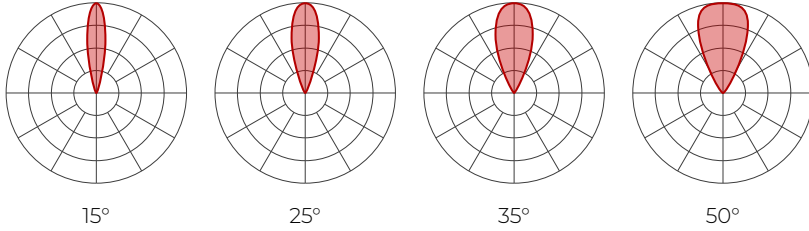
# FLAIR 3" GLOW RING

## CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT



### INDIRECT OPTIC - GLOW RING



### Delivered lumens

CRI	90 CRI				95 CRI				80 CRI			
	15°	25°	35°	50°	15°	25°	35°	50°	15°	25°	35°	50°
10 W	966	1021	1004	897	743	785	772	690	1032	1092	1073	959
14 W	1311	1387	1363	1218	1008	1066	1048	937	1401	1482	1457	1302
20 W	1800	1904	1872	1673	1384	1464	1439	1286	1924	2035	2001	1788

### Efficacy

CRI	90 CRI				95 CRI				80 CRI			
	15°	25°	35°	50°	15°	25°	35°	50°	15°	25°	35°	50°
10 W	97	102	100	90	74	79	77	69	103	109	107	96
14 W	94	99	97	87	72	76	75	67	100	106	104	93
20 W	90	95	94	84	69	73	72	64	96	102	100	89

### MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. Beams, CCT and accessories will change the lumen value.

CCT		ACCESSORIES	
2700K	0.9	Soft diffused lens	1
3000K	0.95	Frosted diffused lens	0.8
3500K	1	Clear lens	1.1
4000K	1.05	Linear spread	0.84

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" GLOW RING

## CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT



### Technical Specifications

#### OPTIC

XPoint™ Refraction Technology optics provide precise optical control in a remarkably compact form. Micro optical paths from the chip on board converge and then disperse in precise beam angles, resulting in a crisp and exacting light quality.

#### 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.

#### BEAM ANGLES



#### 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

**Canopy:** Flat and direct

**Arm:** Machined aluminum

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

**Glow ring:** Acrylic

**Heat sink:** Die-cast aluminum

#### WEIGHT

Direct/Indirect	Direct or Indirect
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

# FLAIR 3" GLOW RING

## CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT



### ACCESSORIES



Soft diffused lens, Solite



Frosted diffused lens



Clear lens



Linear spread

### 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.