

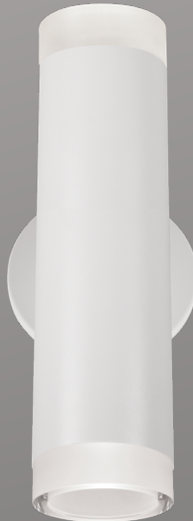
FLAIR 3" GLOW RING

CYLINDER WALL

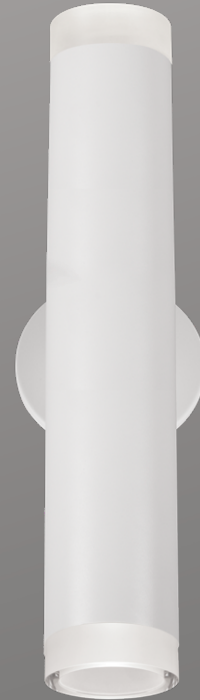
DIRECT/INDIRECT, DIRECT, INDIRECT



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



3"
Glow ring



3"
Sleeve

Pendant/Surface/Wall Pendant/Surface/Wall Pendant/Surface/Wall

FLAIR 3" GLOW RING

CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT



Project: _____

Type: _____

Order Guide

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

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

COLOR TEMP.	ACCESSORY ⁴ See page 3 for details	VOLTAGE	DIRECT WATTAGE ⁶ Specify NA for Indirect	INDIRECT WATTAGE ⁸ Specify NA for Direct
27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	At light element LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LCL - Clear lens ⁴ For SOLA/DUO, one of the following lenses must be specified: LSDL or LFDL.	120V - 120V 277V - 277V UNV - 120V-277V 347V ⁵ - 347V ⁵ Available with RD1 driver only. Please consult factory.	10W - 10 W output, up to 1092 lm 14W - 14 W output, up to 1482 lm 20W ⁷ - 20 W output, up to 2035 lm NA - Not applicable ⁶ Lumen outputs are reduced with full spectrum, consult factory. ⁷ Not available for a DI fixture.	10W - 10 W output, up to 1092 lm 14W - 14 W output, up to 1482 lm 20W ⁹ - 20 W output, up to 2035 lm NA - Not applicable ⁸ Lumen outputs are reduced with full spectrum, consult factory. ⁹ Not available for a DI fixture.
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 725 lm DUO 11W - 11 W output, up to 525 lm NA - Not applicable	SOLA 12W - 12 W output, up to 725 lm DUO 11W - 11 W output, up to 525 lm NA - Not applicable

DIMMING ¹⁰	ELECTRICAL	MOUNTING TYPE	MOUNTING FINISH ¹⁷
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.	1C - 1 circuit 2C ¹⁶ - 2 circuits ¹⁶ Available with Direct/Indirect only.	FLR - Flat round canopy, 4" octagonal junction box DM - Direct mount	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL# ¹⁷ Direct mount finish matches cylinder finish.
REMOTE ¹² RD1 - 1% 0-10V RELV ¹³ - ELV 120V RTRI ¹³ - TRIAC 120V 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 ¹² A remote driver box is provided, see page 4 for details. ¹³ Available with 120V only. ¹⁴ On-site commissioning is required. ¹⁵ For emergency battery, code will be like the following example: RD1+EB.			
SOLA SD1 - Single 0-10V input SELV ¹¹ - ELV 120V STRI ¹¹ - TRIAC 120V			
DUO 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 RLD2 ¹⁴ - Lutron DALI-2 digital			

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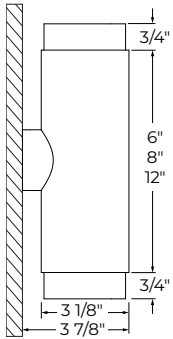
DIRECT/INDIRECT, DIRECT, INDIRECT



Dimensions

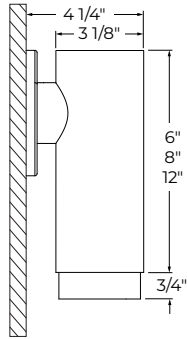
CYLINDER

Direct/Indirect ¹



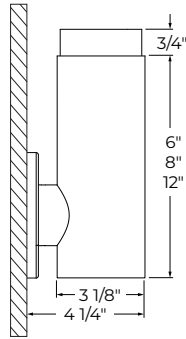
Direct mount ²

Direct ¹



Flat round canopy ²

Indirect ¹

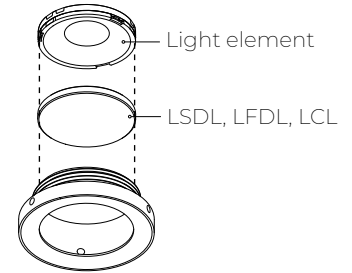


Flat round canopy ²

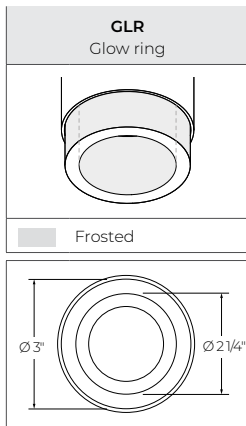
¹Certain restrictions apply. See page 2 for the height options available with integral and remote.

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

Accessories



OPTIC - GLOW RING



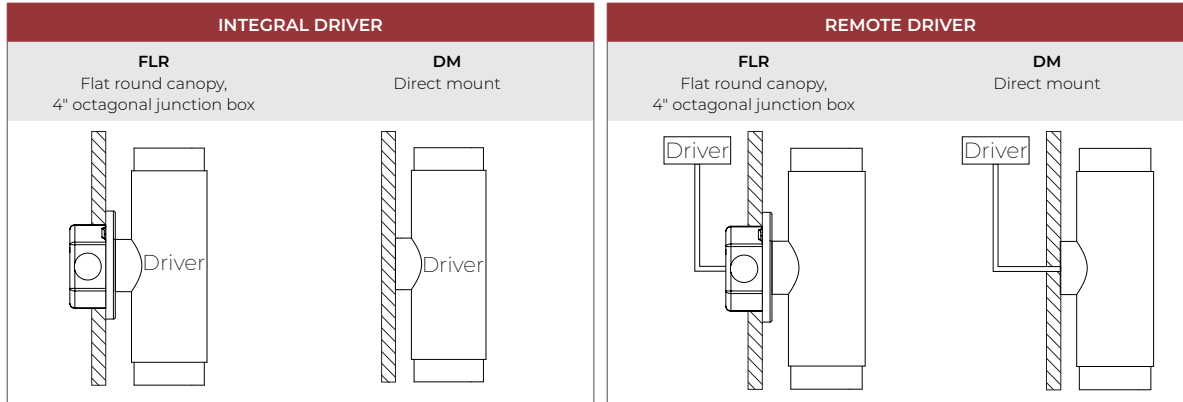
FLAIR 3" GLOW RING

CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT

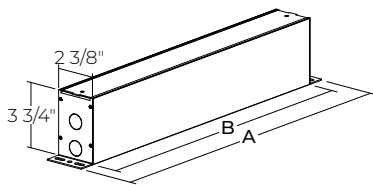


Mounting

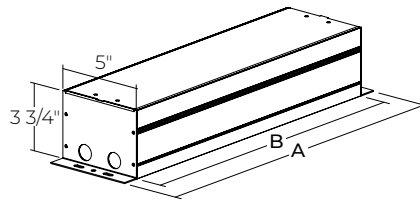


REMOTE DRIVER BOX

RDB8 / RDB18 / RDB24



RDB24W



	RDB8	RDB18	RDB24	RDB24W
A	10"	20"	26"	26"
B	8"	18"	24"	24"
DRIVER	RD1 - 1% 0-10V RELV - ELV 120V RTRI - TRIAC 120V SQLA RSD1 - Single 0-10V input RSELV - ELV 120V RSTRI - TRIAC 120V	RLDE1 - Lutron Hi-lume 1% Eco RDA - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V	Emergency battery (+EB) with the following driver options. RD1+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 RLD2 - Lutron DALI-2 digital	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" GLOW RING



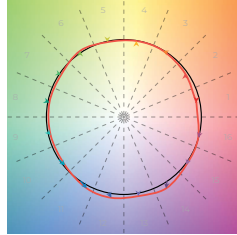
CYLINDER WALL

DIRECT/INDIRECT, DIRECT, INDIRECT

Color Quality

COLOR QUALITY - 3500K

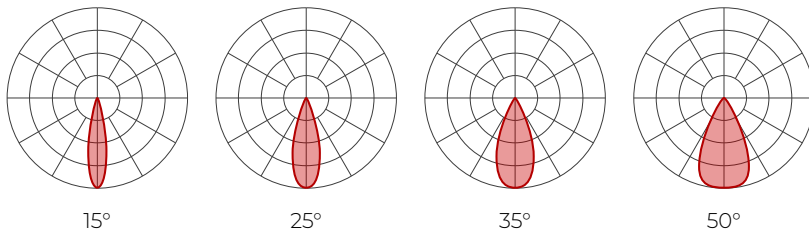
TM-30 Rr	90
TM-30 Ra	100
CRI	90
R9	> 50



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

For SOLA and DUO, please consult factory.



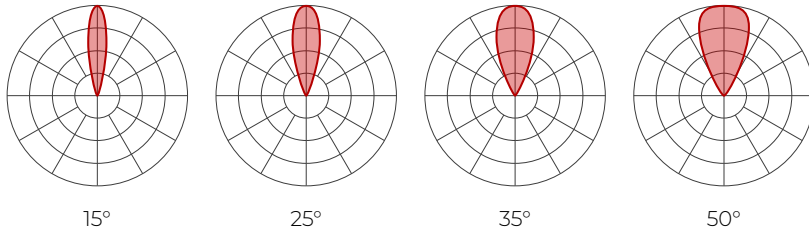
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DIRECT/INDIRECT, DIRECT, INDIRECT



INDIRECT OPTIC - GLOW RING



Delivered lumens

BEAM	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
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Efficacy

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	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		

For SOLA and DUO, please consult factory.

DIRECT/INDIRECT - EFFICACY CALCULATION

For Direct/Indirect performance values, follow the formula.

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

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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 DALI-2 digital

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

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.