

FLAIR 3" GLOW RING

CYLINDER SURFACE

DIRECT



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.

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

FLAIR 3" GLOW RING

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Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	CYLINDER HEIGHT	CYLINDER FINISH	OPTIC	LIGHT SOURCE
FL3GRCYS	D			GLR	
FL3GRCYS - Flair 3" Glow Ring Cylinder Surface	D - Direct	6IN ¹ - 6" 8IN - 8" 12IN - 12" CH#IN ² - Custom height ¹ Not available with DMNC/DMRM canopy options when specified with integral drivers. ² 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#	GLR - Glow ring	SW - Static white FS - Full spectrum SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K

BEAM	COLOR QUALITY	CRI	COLOR TEMP.	ACCESSORY ⁵ See page 3 for details
15DEG - 15° Narrow spot 25DEG - 25° Spot 35DEG - 35° Narrow flood 50DEG - 50° Wide flood	2STP ³ - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse ³ Not available with full spectrum.	90CRI ⁴ - 90 CRI 95CRI - 95 CRI 80CRI ⁴ - 80 CRI ⁴ Not available with full spectrum.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	At light element LSDL - Soft diffused lens, Solite LFDL - Frosted diffused lens LCL - Clear lens ⁵ For SOLA/DUO, one of the following lenses must be specified: LSDL or LFDL.
50DEG - 50° Wide flood	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	

VOLTAGE	WATTAGE ⁷	DIMMING ⁸	
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 1092 lm 14W - 14 W output, up to 1482 lm 20W - 20 W output, up to 2035 lm ⁷ Lumen outputs are reduced with full spectrum, consult factory.	INTEGRAL DI - 1% 0-10V ELV ⁹ - ELV 120V TRI ⁹ - TRIAC 120V ⁸ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁹ Available with 120V only.	REMOTE ¹⁰ RD1 - 1% 0-10V RELV ¹¹ - ELV 120V RTRI ¹¹ - TRIAC 120V RLDE1 ¹² - Lutron Hi-Lume 1% Eco ¹⁰ A remote driver box is provided, see page 4 for details. ¹¹ Available with 120V only. ¹² On-site commissioning is required. ¹³ For emergency battery, code will be like the following example: RD1+EB.
SOLA 12W - 12 W output, up to 725 lm DUO 11W - 11 W output, up to 525 lm		SOLA SDI - Single 0-10V input SELV ⁹ - ELV 120V STRI ⁹ - TRIAC 120V	SOLA RSDI - Single 0-10V input RSELV ¹¹ - ELV 120V RSTRI ¹¹ - TRIAC 120V DUO RDMX ¹² - DMX RDDA ¹² - DALI DT6 RDDA8 ¹² - DALI DT8 RDD1 ¹² - Dual 0-10V input for CCT/intensity RLD2 ¹² - Lutron DALI-2 digital

CANOPY TYPE ¹⁴	CANOPY FINISH Specify NA for DM
FLR ¹⁵ - Flat round canopy, 4" octagonal junction box CDR ¹⁵ - Conduit feed, round canopy DMNC ¹⁶ - Direct mount, new construction DMRM ^{16,17} - Direct mount, remodel ¹⁴ See page 4 for details. ¹⁵ 6" long cylinders require a j-box for integral drivers. See page 4 for details. ¹⁶ 6" long cylinders require a remote driver. ¹⁷ Single wiring entry only. No daisy chain connections allowed.	FTMW - Textured matte white FTMB - Textured matte black FCHP - Champagne CF# - Custom finish, specify RAL# NA - None

FLAIR 3" GLOW RING

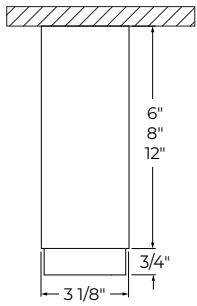
CYLINDER SURFACE

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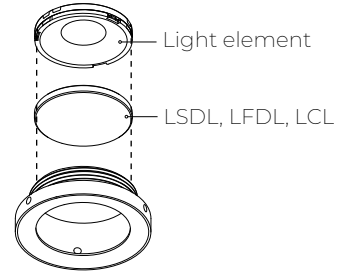


Dimensions

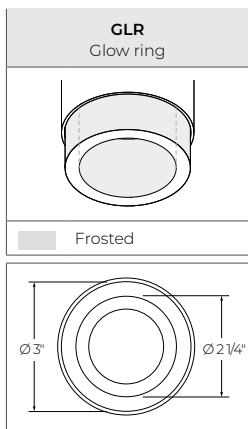
CYLINDER



Accessories



OPTIC - GLOW RING



FLAIR 3" GLOW RING

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Mounting

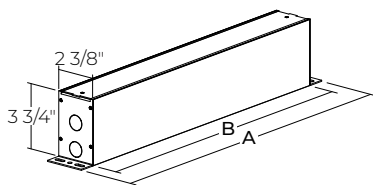
CANOPY

INTEGRAL DRIVER					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	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM* Direct mount, remodel	
Canopy type									
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	NA		Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	NA		
Min. height	6" (Driver in junction box) 8" (Driver in cylinder)		8"		6"				

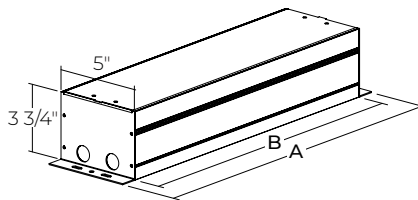
*Single wiring entry only. No daisy chain connections allowed.

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 RDDI - Dual 0-10V input for CCT/intensity RLD2 - Lutron DALI-2 digital	Emergency battery (+EB) with the following driver options. RLDEI+EB - Lutron Hi-lume 1% Eco RDA+EB - DALI RELDI+EB - eldoLED 1% ECOdrive 0-10V RELD0+EB - eldoLED 0.1% SOLOdrive 0-10V

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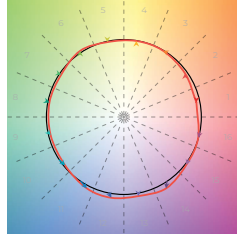
DIRECT



Color Quality

COLOR QUALITY - 3500K

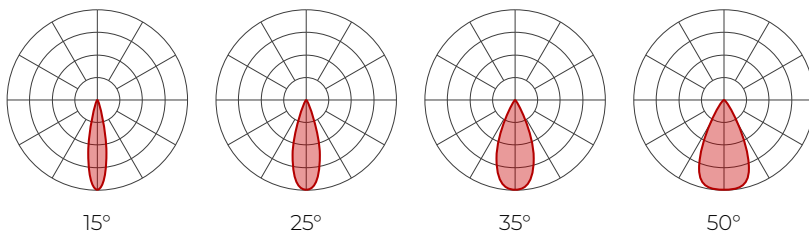
TM-30 R _r	90
TM-30 R _g	100
CRI	90
R9	> 50



Photometrics

Values calculated based on 3500K and LSDL lens option.

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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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, conduit feed, direct, and deep

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

Glow ring: Acrylic

Heat sink: Die-cast aluminum

WEIGHT

6": 2 lbs - 0.9 kg

8": 2.2 lbs - 1 kg

12": 2.4 lbs - 1.1 kg

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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.