Project	Catalog #	Туре	
Prepared by	Notes	Date	



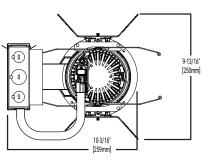
### 🖌 Interactive Menu

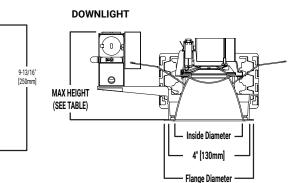
- Order Information page 2
- Energy Data page 7
- Product Specifications page 8
- BioUp Melanopic Lighting page 9
- Product Warranty

#### **Top Product Features**

- · From 250 to 6000 lumens for design flexibility
- Wet location standard (under covered ceiling)
- NSF listed for easy cleaning and wipe-down
- Choice of 6 reflector finishes
- Glass, acrylic, or polycarbonate bottom lens available for additional protection. Ligature resistant.
- IK10 impact resistant rated with polycarbonate bottom lens
- · BioUp available for a 30% Biological Impact boost, compared to traditional LED sources
- · Vandal resistant/high abuse, open or enclosed; Ligature resistant
- · Options to meet Buy American and other domestic preference requirements

#### **Dimensional and Mounting Details**





Below are SKUs that typically ship within 15 days. **4" Round** 

4 Round	
Housing	Module
FLD4C-10-D010	FEU4C-1020-90-30
FLD4CX-10-D010	FEU4C-1020-90-35
FLD4C-15-D010	FEU4C-1020-90-40
FLD4CX-15-D010	
FLD4C-30-D010	FEU4C-2540-90-30
FLD4CX-30-D010	FEU4C-2540-90-35
	FEU4C-2540-90-40



See page 6 for dimnsional details.





Vandal Resistant / High Abuse Sealed/Medical 4" Round Downlight 250 to 6000 Lumens

#### **Typical Applications:**

igned to provide safe and con

 $\label{eq:Healthcare} \begin{array}{l} \mathsf{Healthcare} \bullet \mathsf{Behavioral} \ \mathsf{Health} \bullet \mathsf{Public} \ \mathsf{Spaces} \bullet \mathsf{Education} \bullet \mathsf{Restrooms} \bullet \mathsf{Patient} \ \mathsf{Rooms} \bullet \mathsf{Food} \ \mathsf{Service} \end{array}$ 

#### **Product Certification**



ArcMED

### FLD4C, FEU4C, F4LC

#### **1. HOUSING**

SAMPLE: FLD4CX-15-D010 (housing to accept enclosed reflector - 4 brackets - vandal or sealed/medical) FLD4C-20-DE010 (housing to accept open reflector - no brackets - sealed/medical) FLD4C-45-DE010-W2N-2765 (housing to accept open reflector - no brackets - sealed/medical)

Please see page 1 for a list of SKUs that typically ship within 15 days.



Domestic Preferences (1)	Vandal/ High Abuse Housing		Sealed/M	edical Housing	Lumens (2)	Color Control
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	Yandal Open FLD4CX=Housing, used with extended flange reflector FLD4CXCP=Housing, used with extended flange reflector, Chicago Plenum Yandal Enclosed FLD4CX=Housing, used with extended flange reflector FLD4CXCP=Housing, used with extended flange reflector, Chicago Plenum		reflector FLD4CCP=Housing, us reflector, Chicago Plen Sealed/Medical Enclos FLD4CX=Housing, user reflector FLD4CXCP=Housing, u	FLD4C2+lousing, used with standard flanged     05-57       reflector     08-86       FLD4CCP=Housing, used with standard flanged     10=10       reflector, Chicago Plenum     15=12       Sealed/Medical Enclosed     20=22       FLD4C2+Housing, used with extended flange     30=37		D2W=Dim to warm Blank=all others
Notes (1) Only product configurations with these designated prefixes are built to be complexit with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analysed under domestic preference requirements. Offered with spun aluminum narrow (N), medium (M) and wide (W) trims.	are t t FLD4CX FLD4CX FLD4CX FLD4CX FLD4CX			Notes (2) Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference Aultiplier, tables. (3)Product is marked spacing. Reference table on page 7 for the spacing details.		

Driver	Fixture (Housing) Options	Accessories (25)
D010=0-10V Dimming, 1% to 100%, 120V-277V, up to 6000 lumens, D2W=800-2500 lumens 1D010=0-10V Dimming, 1% to 100%, 120V, 6000 lumens & above, D2W=3500-4500 lumens 2D010=0-10V Dimming, 1% to 100%, 277V, 6000 lumens & above, D2W=3500-4500 lumens 3D010=0-10V Dimming, 1% to 100%, 347V, dedicated drivers, D2W=800-2500 lumens), 3500 & above use step down transformer and dedicated driver. 1 driver: D2W=800-2500 lumens, 2 drivers: D2W=3500-4500 lumens	EMBOD=Bodine® Emergency Module with Remote Test Switch, 7 watt <sup>(0)</sup> EM7=7W Emergency Module with Remote Test Switch <sup>(0, (0), (0)</sup> EM14=14W Emergency Module	HB26=C-channel Bar Hanger, 26" Long, Pair HB50E-Cchannel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair
DE010=0-10V Dimming, 0% to 100%, 120V-277V, 500-6000 lumens, D2W=800-2500 lumens 1DE010=0-10V Dimming, 0% to 100%, 120V, 6000 lumens & above, D2W=3500-4500 lumens 2DE010=0-10V Dimming, 0% to 100%, 277V, 6000 lumens & above, D2W=3500-4500 lumens 3DE010=0-10V Dimming, 0% to 100%, 347V, step down transformer, D2W=800-2500 & 3500-4500 lumens 1 driver: D2W=800-2500 lumens, 2 drivers: D2W=3500-4500 lumens	with Remote Test Switch <sup>(4), (5), (6)</sup> <b>IEMBOD</b> =Bodine® Emergency Module with Integral Test Switch, 7 watt <sup>(4), (5)</sup> <b>IEM7</b> =7W Emergency Module with Integral Test Switch <sup>(4), (5)</sup>	H347=347 to 120V Step Down Transformer, 75VA H347200=347 to 120V Step Down Transformer, 200VA
DSLT=Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V. D2W=800-2500 lumens 1DSLT=Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V. 2DSLT=Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V. D2W=3500-4500 lumens 3DSLT=Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 347V. step down transformer, D2W=800-2500 & 3500-4500 lumens 1 driver: D2W=800-2500 lumens, 2 drivers: D2W=3500-4500 lumens	IEMT4=14W Emergency Module with Integral Test Switch <sup>(4), (6)</sup> ETRD-Emergency Transfer Device <sup>(31)</sup>	
DLE=Lutron Ecosystem Dimming, 1% to 100%, 120V-277V, D2W=800-2500 lumens 1DLE=Lutron Ecosystem Dimming, 1% to 100%, 120V, D2W=3500-4500 lumens 2DLE=Lutron Ecosystem dimming 1% to 100%, 277V, D2W=3500-4500 lumens 3DLE=Lutron Ecosystem dimming 1% to 100%, 347V, step down transformer, D2W=800-2500 & 3500-4500 lumens 1 driver: D2W=800-2500 lumens, 2 drivers: D2W=3500-4500 lumens		
Tunable White           DE010-W2N-2765=Tunable white 2700-6500K, 0-10V Dimming, 0% to 100%, 120-277V, 1000 lumens           1DE010-W2N-2765=Tunable white 2700-6500K, 120V, 0-10V Dimming, 0% to 100%, 1500-3500 lumens           2DE010-W2N-2765=Tunable white 2700-6500K, 727V, 0-10V Dimming, 0% to 100%, 1500-3500 lumens           3DE010-W2N-2765=Tunable white 2700-6500K, 747V with step down transformer, 0-10V Dimming, 0% to 100%, 1000-3500 lumens           3DE010-W2N-2765=Tunable white 2700-6500K, 347V with step down transformer, 0-10V Dimming, 0% to 100%, 1000-3500 lumens           1 driver: 1000-3500 lumens		
DE010-W2N-2050=Tunable white 2000-5000K, 0-10V Dimming, 0% to 100%, 120-277V, 1000 lumens 1DE010-W2N-2050=Tunable white 2000-5000K, 120V, 0-10V Dimming, 0% to 100%, 1500-3500 lumens 2DE010-W2N-2050=Tunable white 2000-5000K, 277V, 0-10V Dimming, 0% to 100%, 1500-3500 lumens 3DE010-W2N-2050=Tunable white 2000-5000K, 347V with step down transformer, 0-10V Dimming, 0% to 100%, 1000-3500 lumens 1 driver: 1000-3500 lumens		
DSLT-W2N-2765=Tunable white 2700-6500K, 120V-277V Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 120-277V, 1000 lumens 1DSLT-W2N-2765=Tunable white 2700-6500K, 120V Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1500-3500 lumens 2DSLT-W2N-2765=Tunable white 2700-6500K, 277V Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1500-3500 lumens 3DSLT-W2N-2765=Tunable white 2000-5000K, 347V with step down transformer Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1000%, 1000-3500 lumens 1 driver: 1000-3500 lumens		
DSLT-W2N-2050=Tunable white 2000-5000K, 120V-277V Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 120-277V, 1000 lumens 1DSLT-W2N-2050=Tunable white 2000-5000K, 120V Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1500-3500 lumens 2DSLT-W2N-2050=Tunable white 2000-5000K, 277V Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1500-3500 lumens 3DSLT-W2N-2050=Tunable white 2000-5000K, 347V with step down transformer Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1000-3500 lumens 3DSLT-W2N-2050=Tunable white 2000-5000K, 347V with step down transformer Fifth Light <sup>®</sup> (DALI T6) Dimming, 0% to 100%, 1000-3500 lumens		
1 driver: 1000-3500 lumens BioUp Driver (see next page)	Notes (4) Not available with Chicago Plenum. (5) ULus listed only. (6) Transfer time from normal to EM powers - 1 second. (31)Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).	Notes (25) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.



### 1. HOUSING (continued)

### FLD4C, FEU4C, F4LC



BioUp Driver	Fixture (Housing) Options	Accessories (25)
DE010B2750=BioUp Tunable white 2700-5000K, 0-10V Dimming, 0% to 100%, 120-277V 800 lumens 1DE010B2750= BioUp Tunable white 2700-5000K, 120V, 0-10V Dimming, 0% to 100%, 1000-2500 lumens 2DE010B2750= BioUp Tunable white 2700-5000K, 277V, 0-10V Dimming, 0% to 100%, 1000-2500 lumens 3DE010B2750= BioUp Tunable white 2700-5000K, 347V with step down transformer, 0-10V Dimming, 0% to 100%, 800-2500 lumens 1 driver: 800-2500 lumens	EMB0D=Bodine® Emergency Module with Remote Test Switch, 7 watt <sup>(10)</sup> EM7=7W Emergency Module with Remote Test Switch <sup>(4), (5), (6)</sup> EM14=14W Emergency Module with Remote Test Switch <sup>(4), (5), (6)</sup>	HB26=C-channel Bar Hanger, 26" Long, Pair HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair H347=347 to 120V Step Down
DE010B35, DE010B40, DE010B50 = BioUp Static White (choose 3500K, 4000K or 5000K), 0-10V Dimming, 0% to 100%, 120-277V 800 lumens 1DE010B35, 1DE010B40, 1DE010B50 = BioUp Static White (choose 3500K, 4000K or 5000K), 120V, 0-10V Dimming, 0% to 100%, 1000-2500 lumens 2DE010B35, DE010B40, DE010B50 = BioUp Static White (choose 3500K, 4000K or 5000K), 277V, 0-10V Dimming, 0% to 100%, 1000-2500 lumens 3DE010B35, 3DE010B40, 3DE010B50 = BioUp Static White (choose 3500K, 4000K or 5000K), 277V, 0-10V Dimming, 0% to 100%, 1000-2500 lumens 3DE010B35, 3DE010B40, 3DE010B50 = BioUp Static White (choose 3500K, 4000K or 5000K) 347V with step down transformer, 0-10V Dimming, 0% to 100%, 800-2500 lumens 1 driver: 800-2500 lumens	IEMBOD-Bodine® Emergency Module with Integral Test Switch, 7 watt <sup>(0,(6)</sup> IEM7=7W Emergency Module with Integral Test Switch <sup>(0,(6)</sup> IEM14=14W Emergency Module with Integral Test Switch <sup>(0,(6)</sup> ETRD=Emergency Transfer Device <sup>(3)</sup>	Transformer, 75VA H347209-347 to 120V Step Down Transformer, 200VA
DSLTB2750=BioUp Tunable white 2700-5000K, 120V-277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 120-277V 800 lumens 1DSLTB2750= BioUp Tunable white 2700-5000K, 120V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-2500 lumens 2DSLTB2750= BioUp Tunable white 2700-5000K, 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-2500 lumens 3DSLTB2750= BioUp Tunable white 2700-5000K, 347V with step down transformer Fifth Light® (DALI T6) Dimming, 0% to 100%, 800-2500 lumens 1 driver: 800-2500 lumens	Device	
DSLTB35, DSLTB40, DSLTB50= BioUp Static White (choose 3500K, 4000K or 5000K), 120V-277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 120V-277V 800 lumens 1DSLTB35, 1DSLTB40, 1DSLTB50= BioUp Static White (choose 3500K, 4000K or 5000K), 120V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-2500 lumens 2DSLTB35, 2DSLTB40, 2DSLTB50= BioUp Static White (choose 3500K, 4000K or 5000K), 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-2500 lumens 3DSLTB35, 2DSLTB40, 2DSLTB50= BioUp Static White (choose 3500K, 4000K or 5000K), 277V Fifth Light® (DALI T6) Dimming, 0% to 100%, 1000-2500 lumens 3DSLTB35, 3DSLTB40, 3DSLTB50= BioUp Static White (choose 3500K, 4000K or 5000K), 347V with step down transformer Fifth Light® (DALI T6) Dimming, 0% to 100%, 800-2500 lumens; 1 driver: 800-2500 lumens	Notes (4) Not available with Chicago Plenum. (5) ULus listed only. (6) Transfer time from normal to EM power > 1 second. (31)Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).	Notes (25) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.



#### 2. MODULE

SAMPLE: FEU4C-1020-97-30 BAA-FEU4C-2540-90-35 FEU4C-1030-W2N-90-2765 FEU4C-2500B-9050



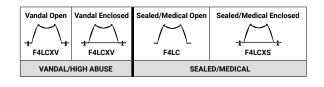
# ArcMED

Domestic Preferences (1)	Power Module	Lumen Levels <sup>(2)</sup>	CRI	Co	olor
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	FEU4C=4-inch Universal LED Module	For use with one driver           02081C=250, 500 and 800 lumens, IC Rated (for use with all drivers, min 500 lumens with DE010 and D5LT, min 800 lumens with Lutron)           1020=1000, 1500, 2000 lumens           10151C=1000, 1500, 2000 lumens (For the with Lutron)           1024=1000, 1500, 2000 lumens (for use with Lutron)           1031C=1000, 1500, 2000 lumens (for use with Lutron 3000-3500, D010, D5LT and DE010 3000-4000)           4540=2500, 3000, 3500, 4000 lumens (for use with Lutron 3000-3500, D010, D5LT and DE010 3000-4000)           4560=4500, 5000, 5500 lumens (for use with D010, D5LT and DE010 4500-6000)           For use with two drivers           4060=4000, 4500, 5000, 5500, 6000 lumens, (for use with Lutron 4000-6000, D010, DSLT, and DE010 to 6000 lumens (a)           Dim 2 Warm           0825-90-30-D2W=800-2500 lumen, 90 CRI, Dim 2 Warm (1 driver and 1 LED) ( <sup>32)</sup> 3545-90-30-D2W=3500-4500 lumen, 90 CRI, Dim 2 Warm (2 drivers and LEDs)           Tunable white           1030-W2N-90-2765=1000, 1500, 2000, 2500, 3000 lumens, 90 CRI, tunable white ( <sup>33)</sup> 2700K 6500K           1030-W2N-90-2505=1000, 1500, 2000, 2500, 3000 lumens, 90 CRI, tunable white ( <sup>33)</sup> 2000K	90=90 CRI Minimum 97=97 CRI Minimum	90 CRI 24=2400K 27=2700K 30=3000K 35=3500K 40=4000K 50=5000K	97 CRI 27=2700K 30=3000K
		35-W2N-90-2765=3500 lumens, 90 CRI, tunable white 2700K-6500K <sup>(B)</sup> 35-W2N-90-2050=3500 lumens, 90 CRI, tunable white 2000K-5000K <sup>(B)</sup> BioUp Tunable White	CRI /	Color	
		BioUp Tunable white 08208=800, 1000, 1500, 2000 lumens, 90 CRI (32) 2500B=2500 lumens, 90 CRI (35)	9035= Static 3500K 9040=Static 4000K 9050=Static 5000K 902750=BioUp Tunable White		
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <u>DOMESTIC</u> <u>PREFERENCES</u> website for more information. Components shipped separately may be separately analysed under domestic preference requirements. Offered with spun aluminum narrow (N), medium (M) and wide (W) trims.		Notes (32) IC rated for 800 lumens. (33) IC rated for 1000 lumens. (35) Product is marked spacing. <u>Reference</u> table on page 7 for the spacing details.	Not Do not specify CRI or CCT with Dim available with 3000K and 90 CRI.		arm is only

#### **3. TRIM/REFLECTOR**

SAMPLES: F4LC-M-2-H F4LCXV-M-1-WMH-BL84

Base Trim	Distribution (11)	Flange	Reflector Finish	Trim Options (23)
Vandal Resistant F4LCXV=(open) F4LCXV=(enclosed) Sealed/Medical F4LC=(open) F4LCXS=(enclosed)	All Trims M=Medium (50° Beam), Spun Aluminum Sealed/Medical Open Only (F4LC Only) W=Wide, Spun Aluminum SW=Single Wall Wash (Sealed/Medical open only) (10, (12) N=Narrow, Spun Aluminum PS=Non-conductive, Shallow (16), (17)	1=Self-flanged <sup>(18)</sup> 2=White painted self flanged, (not available with MW reflector finish)	LI=Specular Clear <sup>(20)</sup> H=Semi-Specular Clear <sup>(20)</sup> WMH=Warm Haze <sup>(20)</sup> MW=Matte White	E=Integral Emergency Test Switch Hole <sup>(14)</sup> FP=NSF listed, non-food/splash zone <sup>(23)</sup> Bottom Lens (enclosed only) <sup>(21),(22)</sup> BL85=Bottom lens, 0.125' clear polycarbonate BL85=Bottom lens, 0.125' smooth opal polycarbonate BL89AM=Bottom lens, 0.125' smooth opal acrylic BL89BW=Bottom lens, 0.125' smooth opal acrylic BL89BW=Bottom lens, 0.125' smooth opal acrylic For IP65, refer to Compatability Chart on page 7
Notes Vandal resistant open and enclosed, same trim catalog logic. The words vandal, vandal resistant, and high abuse are used interchangeably.	Notes (10) Not available with Chicago Plenum. Not available for 560-7000 lumens (11) Product is marked spacing and must be installed with the following minimum spacing. Center to center of adjacent luminaires: 36°; Center of luminaire to side of building member: 18° Minimum overhead: 1/2°. (12) Not available on Vandal Resistant Open. (16) PS available in self-flanged MW finish only (17) Offered up to 2000 lumens	Notes (18) Flange is the same as the reflector.	Notes (20) Anodized or spun reflectors	Notes (14) Only available with medium bottom lens, and is required for all IEM housings. (21) For open style, do not specify Bottom Lens. For enclosed units, specify Bottom Lens. (22) Additional lens options for the BL (bottom lens) available, see Downlight Lens Guide on page 7. (23) NSF listing is only available with the Sealed/Medical Trim options, F4LC and F4LCXS using Phillips head screws.

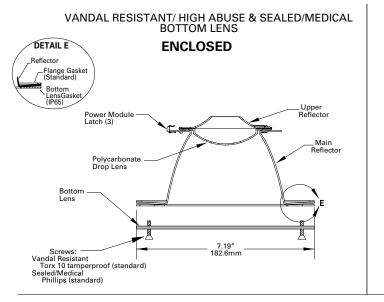


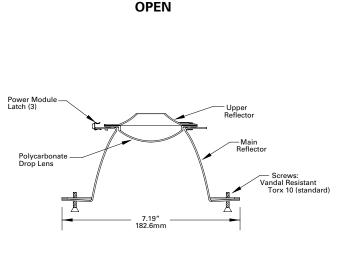


### FLD4C, FEU4C, F4LC

ArcMED

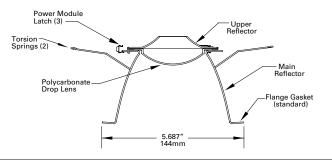
### **Dimensional and Mounting Details**

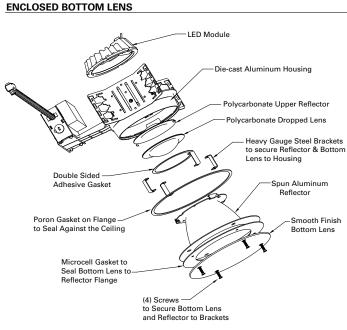




VANDAL RESISTANT/ HIGH ABUSE

#### SEALED/MEDICAL OPEN





Below are SKUs that typically ship within 15 days.

4" Round	
Housing	Module
FLD4C-10-D010	FEU4C-1020-90-30
FLD4CX-10-D010	FEU4C-1020-90-35
FLD4C-15-D010	FEU4C-1020-90-40
FLD4CX-15-D010	
FLD4C-30-D010	FEU4C-2540-90-30
FLD4CX-30-D010	FEU4C-2540-90-35
	FEU4C-2540-90-40

#### NOTE:

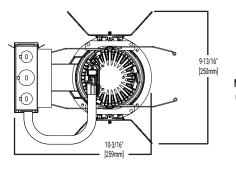
Sealed Medical Regress Lens has gasket on flange to seal against ceiling and is attached to housing with torsion springs.

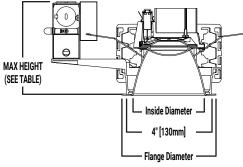


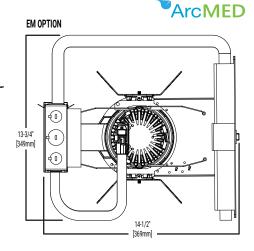
### FLD4C, FEU4C, F4LC

#### **Dimensional and Mounting Details**

#### DOWNLIGHT





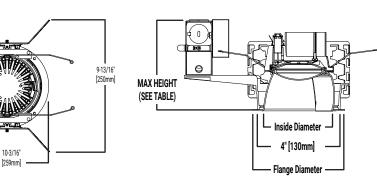


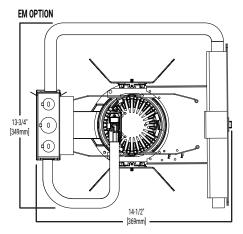
WALL WASH

0

0

0





			MAX HEIGHT								
CATALOG #	Flange DIAMETER or WIDTH [IN]	INSIDE DIAMETER or WIDTH [IN]	250-2000 LUMENS (90/97CRI)	2500-4000 LUMENS (90/97CRI)	4500-6000 LUMENS (90/97CRI)	1000-1500IC LUMENS (90/97CRI)	2 LEDs 4500-6000 LUMENS (90/97CRI)				
4LBN	5.67	4.24	5.6	5.6	5.6	6.1	8.1				
4LBM	5.67	4.26	5.6	5.6	5.6	6.1	8.1				
4LBW	5.67	4.27	5.6	5.6	5.6	5.7	7.7				
4LBPS	5.67	4.23	5.6	5.6	5.6	5.6	6.5				
4LBSWN	5.67	4.27	5.6	5.6	5.6	5.7	7.7				



#### **Energy and Performance Data**

#### D010 DRIVER ENERGY DATA



DUID DRIVER ENERGY DATA												
Series	250 lumen		250 lumen 500 lumen		800 I	800 lumen 10		1000 lumen		lumen	2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.029	0.017	0.061	0.032	0.085	0.041	0.084	0.042	0.135	0.063	0.189	0.084
Input Power (W)	3.45	3.87	7.33	7.78	10.15	10.52	10.04	10.43	16.17	16.56	22.58	22.63
In-rush (A)	2.1	8.5	3.7	8.5	3.6	8.3	3.6	8.4	2.3	9.5	2.1	9.7
Inrush duration (µs)	250	131	190	136	220	135	226	136	230	125	243	132
THDi (%)	7.21	16.92	7.82	10.78	5.57	9.63	7.78	9.24	4.75	9.93	8.03	7.44
PF	≥ 0.98	≥ 0.9	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.96

Series	2500	lumen	3000	lumen	3500	lumen	4000	lumen	4500	lumen	5000	lumen
Input Voltage 120-277VAC	120V	277V										
Input Current (A)	0.276	0.121	0.276	0.041	0.333	0.152	0.404	0.181	0.421	0.192	0.491	0.216
Input Power (W)	32.98	32.57	32	10.52	39.83	39.84	48.38	47.94	50.22	50.17	58.69	58.01
In-rush (A)	2.5	11.8	3.6	8.3	3.1	14.3	3.1	14.5	5.6	22.6	5.6	22.6
Inrush duration (µs)	215	111	220	135	200	94	197	95	215	120	213	135
THDi (%)	9.86	6.57	5.57	9.63	4.25	10.05	5.02	7.97	6.12	8.35	8.51	7.92
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.96

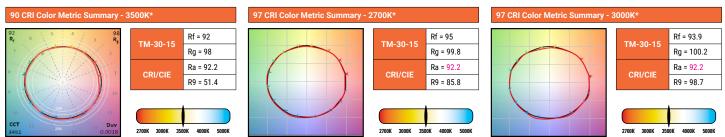
Series	5500	lumen	6000 lumen		
Input Voltage 120-277VAC	120V	277V	120V	277V	
Input Current (A)	0.526	0.231	0.542	0.256	
Input Power (W)	62.97	61.97	64.88	65.7	
In-rush (A)	5.1	23.1	6.2	27.5	
Inrush duration (µs)	217	138	188	101	
THDi (%)	9.42	7.16	4.33	11.86	
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	

Minimum starting temperature -30°C (-22°F)\* (Nominal input 120-277VAC & 100% of rated output power)

Sound Rating: Class A standards

Notes: Emergency Battery packs are rated for a minimum starting temperature of 0°C.

#### COLOR METRICS - TM-30-15 & CRI/CIE



\* Color values are based on haze reflector, other finishes and field results may vary.

#### **Marked Spacing**

4-inch Marked spacing for 90 and 97 CRI					
4000	36	36	0.5		
4000-6000 (Lutron)	36	36	8		





#### **Product Specifications**

#### Lower Shielding Reflector

 Self-flanged, spun .050" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness.

#### **Trim Retention**

- For sealed/medical and vandal resistant/high abuse bottom lens, the lower reflector is retained with (4) counter sunk, philips head screws, holding the flange tightly to the housing.
- Open sealed/medical reflector uses torsion springs.
  Vandal Resistant versions utilize the Torx T10 #6 screw with center pin reject.

#### LED

- High brightness LED's combined with a high reflectance upper reflector and convex lens for even distribution with no pixilation.
- Rated for 50,000 hours at 70% lumen maintenance.
- Auto resetting, thermally protected, LED's turn off when safe operating temperatures exceeded.
- Color variation within 3-step MacAdam ellipses.
  Disconnect allows for toolless replacement of LED
- engine from below ceiling.
- Available 90, 97 CRI.

#### Driver

- Combination 120-277V 0-10V or 120V trailing edge phase cut driver provides flicker free dimming from 100% to 10%.
- Optional for 1000- 4000 lumens, 1% 0-10V, Fifth Light, or Lutron® Ecosystem.
- Driver can be serviced from above or through the aperture.

# ArcMED

#### All versions include a nonre

- All versions include a nonremovable upper lens, 0.060" thick frosted polycarbonate.
- Bottom lens is smooth acrylic or polycarbonate up to 0.250" thick.

FLD4C, FEU4C, F4LC

Bottom polycarbonate lens IK10 impact resistant rated

#### **Code Compliance**

- cULus listed for wet locations under covered ceiling standard.
- Non-IC rated insulation must be kept 3" from top and sides of housing.
- IP65 available
- NSF/ANSI 2 certified for Splash/NonFood Zone. Typical rating for lighting equipment not subjected to direct food contact. This listing is only applicable with Sealed/Medical Open or Sealed/Medical Enclosed using Phillips head screws.
- FCC CFR Title 47 Part 15 Class B at 120VAC and Class A at 277VAC

#### Warranty

• 5 year limited warranty

### Downlight Lens Guide

Downlight Lens Guide					
Lens	Description	<b>BTR</b> Bottom Trim (BTR) (Total Maximum Lens Thickness is .375")	<b>BL</b> Bottom Lens (BL) (Single Smooth Acrylic or Polycarbonate Lens Only)	Open	
80	Acrylic, Prismatic Pattern 12, 0.125"		N/A	N/A	
89AG	Acrylic, Prismatic Pattern 19, 0.156"		N/A	N/A	
89BV	Acrylic, Smooth, Clear 0.125"			N/A	
89BW	Acrylic, Smooth, Opal 0.125"			N/A	
94	Glass, Tempered, Smooth, Clear, 0.187"		N/A	N/A	
89AH	Polycarbonate, Prismatic Pattern 12, 0.125"		N/A	N/A	
82	Polycarbonate, Prismatic Pattern 12, 0.187"		N/A	N/A	
84	Polycarbonate, Smooth, Clear 0.125"		IK10	N/A	
85	Polycarbonate, Smooth, Clear 0.187"		IK10	N/A	
86	Polycarbonate, Smooth, Clear 0.250"		IK10	N/A	
87	Polycarbonate, Smooth, Clear 0.375"		IK10	N/A	
89AM	Polycarbonate, Smooth, Opal 0.125"		IK10	N/A	

#### **Compatibility Chart**

	Sealed/Medical		Vandal Resistant/High Abuse		
Diagram	$\int \!\!\!\!\! \bigwedge$	<u>,                                     </u>	+/+		
Description	Open	Enclosed Bottom Lens	Open	Enclosed Bottom Lens	
Housing	FLD4C FLD4BCP	FLD4CX, FLD4CXCP	FLD4CX, FLD4CXCP	FLD4CX, FLD4CXCP	
NSF	Available	Available	Not Available	Not Available	
IP	IP65 Available	*IP65 Available	IP65 Available	*IP65 Available	

**IP65 ratings are from the room-side only on all applications.** IP requirement called out with (/65) at the end of the Trim ordering logic. Example: F4LCXVM1LI/65

\* The sealed medical with bottom lens option is the IP65 compliant open reflector - with an attached bottom lens. During the IP65 test, no dust entered into the reflector from the bottom lens, but a miniscule amount of water did enter (on top of the bottom lens). However, no water can penetrate the upper reflector, and enter into the electrical - and there remains an inpenetrable seal between the ceiling and luminaire.



### FLD4C, FEU4C, F4LC

# Proven Research. Industry Recognized.

## BioUn Melanopic Lighting







See <u>BioUp</u> brochure for more details

ANSI/IES RP-46-23 🕺 Illuminating

**RECOMMENDED PRACTICE:** SUPPORTING THE PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF LIGHTING IN INTERIOR DAYTIME ENVIRONMENTS

ANSI/IES RP-46-23 / TM18 published March 2024 based on over 40 years of research.

"...circadian clock synchronization is paramount to the body's efficient and appropriate functioning." - TM18



**BioUp solutions maximize WELL** points for Circadian Lighting Design (L03):



Use BioUp to achieve Equivalent Melanopic Lux (EML) thresholds for circadian design and earn nearly 20% of WELL building lighting points

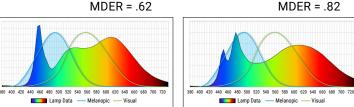


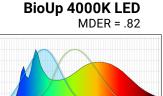
MDER, M-EDI and EML are key metrics used to quantify nonvisual performance of indoor lighting systems.



MDER - Melanopic Daylight Efficacy Ratio (MDER) measures the amount of light stimulating to the melanopsin receptors.

Standard 4000K LED MDER = .62





Lamp Data — Melanopic

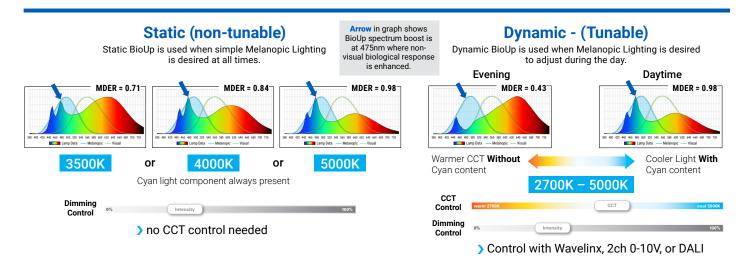
## **30% boost** Biological impact

compared to traditional LED sources

	LED MDER ~83 CRI	BioUp Static		BioUp Dynamic	
ССТ		MDER	CRI	MDER	CRI
2700K	0.44	-	-	0.43	95
3000K	0.49	-	-	0.54	94
3500K	0.56	0.71	90	0.71	90
4000K	0.64	0.84	87	0.82	87
5000K	0.77	0.98	84	0.98	84

BioUp enhances the LED spectrum with cvan light at 475nm increasing the biological impact of the light to enhance our circadian rhythm which regulates our sleep/ wake cycle, daytime engagement, and mood

all without distorting visual color impression.





Cooper Lighting Solutions 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com

2024 Cooper Lighting Solutions All Rights Reserved

Specifications and dimensions subject to change without notice