

JOB _____

TYPE _____

NOTES _____

APPROVALS _____

FEATURES

- Second generation LED 2.0
- Three beam patterns, Wide Flood, Vertical Flood, and Narrow Flood distributions generate high efficiencies and outstanding uniformity of illumination
- Die-cast housing with integral cooling ribs promote efficient transfer of heat.
- A variety of mounting options.
- IP66 sealed optical chamber.

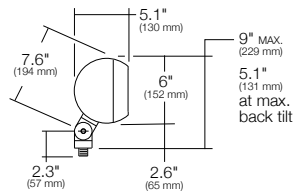
Certifications



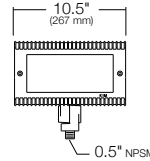
SPECIFICATIONS



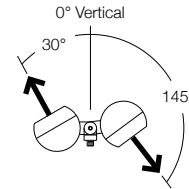
Max Weight = 13 lbs.



Side



Front



Aiming Range

ORDERING CODE

CFL							
Fixture	Distribution	# LED's	CCT	Drive Current	Voltage	Color	Fuse Options
	WF Wide Flood VF Vertical Flood NF Narrow Flood	21 21 LED's	3K 3000K 4K 4000K 5K 5000K	35 350mA 50 500mA	UV 120-277V	BL Black DB Dark Bronze LG Light Gray PS Platinum Silver TT Titanium WH White CC Custom Color ²	SF 120, 277 Line Volts DF 208, 240 Line Volts

Accessories / Mounting Options

BD-CFL Barn Doors	JBR32 Brass In-Grade Staked J-Box with Cord
FH-CFL Fixed Hood	SM18 Surface Mount Tenon
FS-CFL Full Shield	J-27N Surface Mount
JBR2/3/21/24 Brass In-Grade Architectural J-Box	JW Architectural Wall Mount
JBR4/5 Composite In-Grade Architectural J-Box	EP17 PowerPost
JBR30 Brass In-Grade Staked J-Box	JB1 Architectural J-Box
	J-25N Portable Spear Mount

Kim Lighting reserves the right to change specifications without notice.

LUMEN OUTPUT

Light Engines	Performance Package	System Watts	Dist. Type	Field Angle		Beam Angle		3K (3000K)			4K (4000K)			5K (5000K)		
				°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
LEDs	350mA	26	Wide Flood	138.8	140.3	86.4	88.6	1666	3263	125	1790	3505	135	1954	3826	147
			Vertical Flood	124.8	97.4	95.9	42	2423	3312	127	2602	3557	137	2842	3884	149
			Narrow Flood	55.5	41.2	38.3	20.9	10078	3027	120	10824	3251	125	11816	3549	137
	500mA	35	Wide Flood	138.9	140.4	86.4	88.6	2077	4067	116	2132	4175	119	2237	4381	125
			Vertical Flood	125.1	93.3	94.4	55.8	3049	4167	117	3295	4503	129	3041	4481	127
			Narrow Flood	56.9	39.3	38.8	19.4	13818	4127	120	15617	4460	126	17087	4880	139

ELECTRICAL CHARACTERISTICS

Electrical										Dimming				
Current	System Watts	Line Voltage		Amps AC				Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V purple wire		Absolute voltage range on 0-10V (+) purple wire	
		VAC	Hz	120	277	347	480				Min	Max	Min	Max
350 mA	26	120	50/60	0.2	0.1	0.1	0.1	>0.9	20	10% to 100%	0mA	8mA	-2.0V	10V
500 mA	35			0.3	0.1	0.1	0.1							

TM-21 LIFETIME CALCULATION

Drive Current	Ambient Environment °C	Projected Lumen Maintenance					Reported L70
		15	25	50	TM-21 60	100	
500mA	25°	96%	95%	93%	93%	90%	>60Khrs

LED COLOR

	Spectroradiometric		
	3K	4K	5K
Designation	3000K	4000K	5000K
CRI Minimum	≥70	≥70	≥70
S/P Ratio	1.33	1.66	1.78

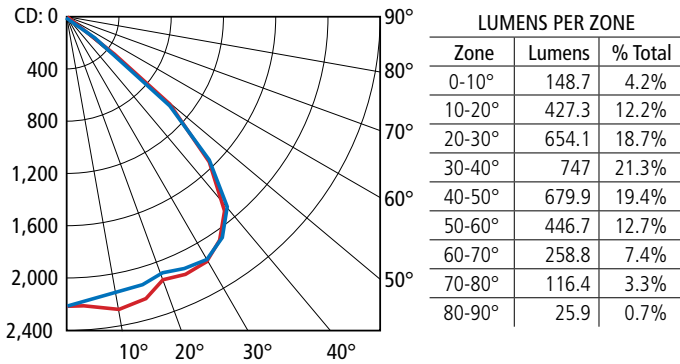
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Wide Flood Polar Candela Distribution

4,000K, 350mA – 26W

CFL-WF-214K35

■ = 0°H ■ = 90°H



ILLUMINANCE AT A DISTANCE

	Center Beam fc	Beam Width	
2.0 ft	387 fc	3.9 ft	3.6 ft
4.0 ft	96.7 fc	7.9 ft	7.2 ft
6.0 ft	43.0 fc	11.8 ft	10.8 ft
8.0 ft	24.2 fc	15.8 ft	14.4 ft
10.0 ft	15.5 fc	19.7 ft	18.0 ft
12.0 ft	10.7 fc	23.7 ft	21.6 ft

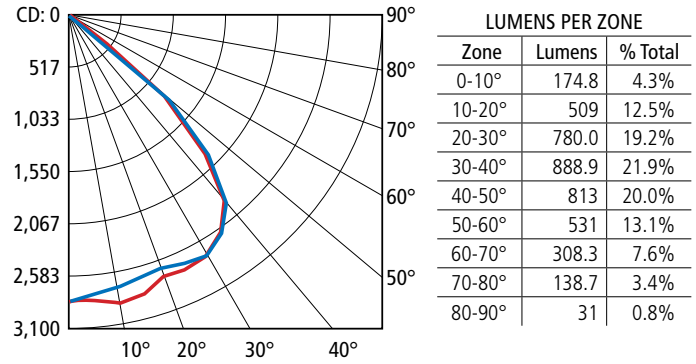
■ = Vert. Spread: 89.3°
■ = Horiz. Spread: 83.9°

34 ft = 1 fc maximum distance

4,000K, 500mA – 35W

CFL-WF-214K50

■ = 0°H ■ = 90°H



ILLUMINANCE AT A DISTANCE

	Center Beam fc	Beam Width	
2.0 ft	461 fc	3.9 ft	3.8 ft
4.0 ft	115 fc	7.9 ft	7.5 ft
6.0 ft	51.2 fc	11.8 ft	11.3 ft
8.0 ft	28.8 fc	15.8 ft	15.0 ft
10.0 ft	18.4 fc	19.7 ft	18.8 ft
12.0 ft	12.8 fc	23.7 ft	22.5 ft

■ = Vert. Spread: 89.2°
■ = Horiz. Spread: 86.4°

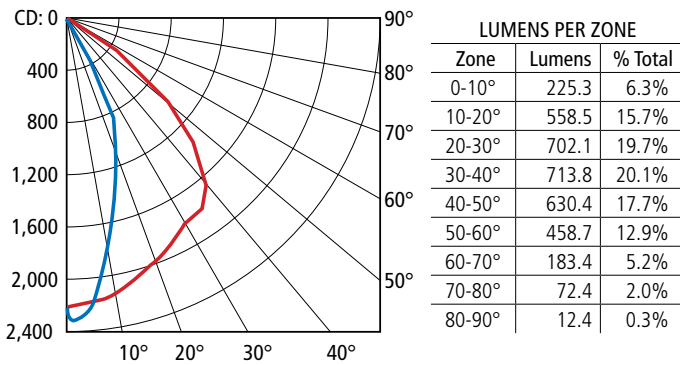
42 ft = 1 fc maximum distance

Vertical Flood Polar Candela Distribution

4,000K, 350mA – 26W

CFL-VF-214K35

■ = 0°H ■ = 90°H



ILLUMINANCE AT A DISTANCE

	Center Beam fc	Beam Width	
2.0 ft	619 fc	1.5 ft	4.4 ft
4.0 ft	155 fc	3.1 ft	8.9 ft
6.0 ft	68.8 fc	4.6 ft	13.3 ft
8.0 ft	38.7 fc	6.1 ft	17.7 ft
10.0 ft	24.8 fc	7.7 ft	22.2 ft
12.0 ft	17.2 fc	9.2 ft	26.6 ft

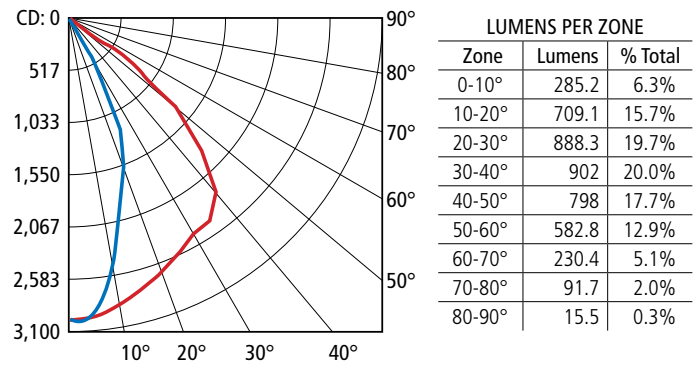
■ = Vert. Spread: 42.0°
■ = Horiz. Spread: 95.8°

50 ft = 1 fc maximum distance

4,000K, 500mA – 35W

CFL-VF-214K50

■ = 0°H ■ = 90°H



ILLUMINANCE AT A DISTANCE

	Center Beam fc	Beam Width	
2.0 ft	36.2 fc	7.1 ft	20.6 ft
4.0 ft	8.97 fc	14.3 ft	41.4 ft
6.0 ft	4.00 fc	21.5 ft	62.0 ft
8.0 ft	2.25 fc	28.6 ft	82.6 ft
10.0 ft	1.44 fc	35.8 ft	103.5 ft
12.0 ft	1.00 fc	43.0 ft	124.1 ft

■ = Vert. Spread: 42.0°
■ = Horiz. Spread: 95.8°

56 ft = 1 fc maximum distance

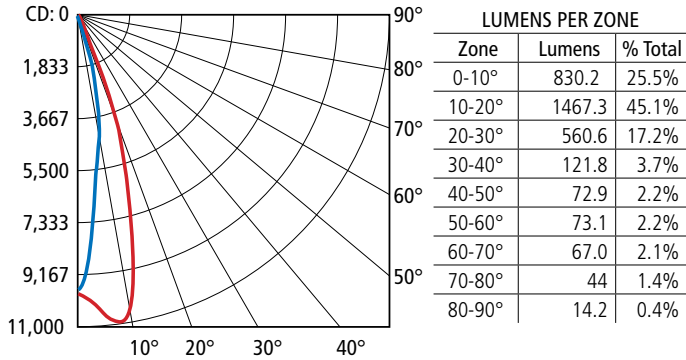
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Narrow Flood Polar Candela Distribution

4,000K, 350mA – 26W

CFL-NF-214K35

■ = 0°H ■ = 90°H



ILLUMINANCE AT A DISTANCE

	Center Beam fc	Beam Width	
2.0 ft	2,521 fc	0.7 ft	1.4 ft
4.0 ft	630 fc	1.5 ft	2.8 ft
6.0 ft	280 fc	2.2 ft	4.2 ft
8.0 ft	158 fc	3.0 ft	5.6 ft
10.0 ft	101 fc	3.7 ft	6.9 ft
12.0 ft	70.0 fc	4.4 ft	8.3 ft

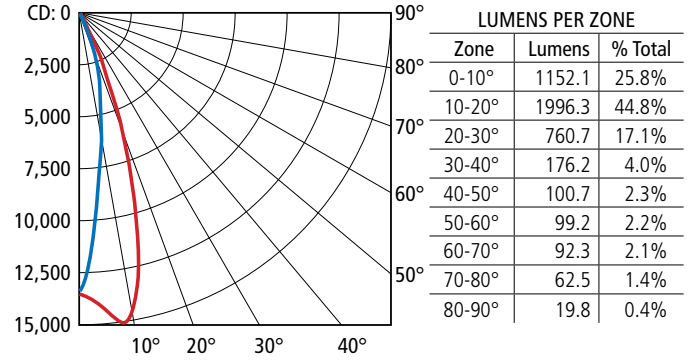
■ = Vert. Spread: 21.0°
■ = Horiz. Spread: 38.3°

98 ft = 1 fc maximum distance

4,000K, 500mA – 35W

CFL-NF-214K50

■ = 0°H ■ = 90°H



ILLUMINANCE AT A DISTANCE

	Center Beam fc	Beam Width	
2.0 ft	3,471 fc	0.7 ft	1.4 ft
4.0 ft	868 fc	1.4 ft	2.9 ft
6.0 ft	386 fc	2.1 ft	4.3 ft
8.0 ft	217 fc	2.8 ft	5.7 ft
10.0 ft	139 fc	3.5 ft	7.1 ft
12.0 ft	96.4 fc	4.2 ft	8.6 ft

■ = Vert. Spread: 19.7°
■ = Horiz. Spread 39.3°

117 ft = 1 fc maximum distance

SPECIFICATIONS

Housing:

- One piece die-cast, low copper (<0.6% Cu) aluminum in a cylindrical shape with integral cooling fins over the entire length, and .100" minimum wall thickness.

Lens Frame:

- One-piece die-cast, low copper (<0.6% Cu) aluminum with integral cooling fins, .100" minimum wall thickness, mates with housing to create a continuous cylindrical shape.
- Lens frame has a one-piece stamped silicone gasket.
- Lens frame secures to housing by two stainless steel recessed captive allen-head screws

Standard Swivel:

- Die-cast aluminum with integral locking teeth providing 5° adjustment intervals.
- Stainless steel allen-head locking screw and 1/2" NPSM.
- Clear anodized prior to chromate conversion coating for added corrosion resistance. Clear anodized prior to chromate conversion coating for added corrosion resistance.

Gasketing:

- Silicone gaskets throughout.

Fasteners:

- Stainless steel.

Wiring:

- No. 18AWM rated 105°C.

Optical System:

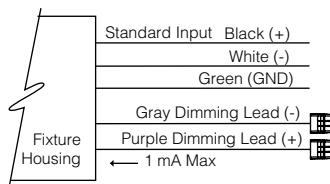
- High performance acrylic optic securely attached to internal heat sink for maximum thermal dissipation.

Driver:

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories recognized.

Dimming:

- Dimming range from 10% to 100% through the use of standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Optional factory programmed dimming profile.
- IP710 dimmer recommended.



Fuse Options

SF for 120, 277 Line volts
DF for 208, 240 Line volts

High temperature fuse holders factory installed inside the fixture.

Fuse is included.

Finish:

Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.

Standard colors include (BL) Black, (DB) Dark Bronze, (PS) Platinum Silver, (LG) Light Gray, (TT) Titanium, (WH) White, and (CC) Custom Color (Include RAL#).

Certifications and Listings:

- UL 1598 Standard for Luminaires.
- UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products.
- IP66 certified.
- RoHS compliant.
- DLC® (DesignLights Consortium) qualified, with some configurations qualifying for Premium - see www.designlights.org

CAUTION:

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

WARRANTY:

For full warranty see: <http://www.hubbellighting.com/resources/warranty>

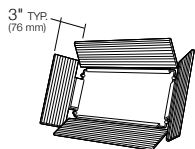
Glare Control Accessory Options

Barn Doors

BD/BL, BD/DB, BD/LG, BD/PS, BD/TT, BD/WH

Extruded aluminum doors with anti-reflection baffles. Each door is hinged to a cast, low copper (<0.6% Cu) aluminum frame, and locks by set screws. Doors are individually removable. Barn Door assembly mounts to predrilled door frame holes.

CAUTION: Not recommended for ground mounted fixtures in vandal prone areas.

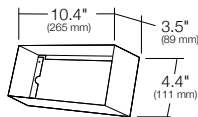


Full Shield

FS/BL, FS/DB, FS/LG, FS/PS, FS/TT, FS/WH

Formed 1/16" thick aluminum. Mounts to predrilled door frame holes.

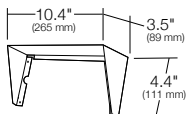
CAUTION: Do not use full shield in locations where leaves and trash can collect inside shield.



Fixed Hood

FH/BL, FH/DB, FH/LG, FH/PS, FH/TT, FH/WH

Formed 1/16" thick aluminum. Mounts to predrilled door frame holes. Can be mounted along the top or bottom of the fixture to shield the lamp and lens from view.



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