Day-Brite CFI by Signify

Industrial

FBY LED High bay

12,000 to 60,000 lumens



Day-Brite / CFI FBY LED high bay provides versatility in form and function. With a wide range of lumen packages and accessories available, this luminaire can be used in many different applications ranging from warehouses and manufacturing facilities to retail outlets and school gymnasiums.

Project:	
Location:	
Cat.No:	
Туре:	
Lumens:	Qty:
Notes:	

Example: FBY24L840-UNV-LCA

Ordering guide

Family	Lumens (nominal) ¹	Color Temperature	Voltage	Options	
FBY		_	_		
FBY	12L 12,000 18L 18,000 24L 24,000 30L 30,000 36L 36,000 60L 60,000 Other lumen packages may be ordered in increments of 1000lm	835 3500K (CRI 80) 840 4000K (CRI 80) 850 5000K (CRI 80)	UNV Universal voltage 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	WP6/44 WC64 WP6024 WC6/43-4 WC6/43-4 WC6/63-4 LCA LCR LFA SWZCSH6.8 SNH2006 MD3605 MD360D5 BSL20023 BSL10LST3 ER1009-10-11 ER100/HVPIS-10-11 GTD/E2-9-11 SP1 55	Wired 6' 16/3 cord & NEMA twist lock plug Wired 6' 16/4 cord and NEMA twist lock plug for line voltage plus unswitched hot for BSL10LST Wired 6' 16/3 cord Wired 6' 16/3 cord & NEMA twist lock plug for line voltage and wired 6' 16/3 cord and plug for dimming control Wired 6' 16/4 cord for line voltage plus unswitched hot for BSL10LST Wired 6' 18/5 cord for line voltage plus unswitched hot for BSL10LST Wired 6' 18/6 cord for line voltage plus unswitched hot for BSL10LST plus 0-10V dimming Wired 6' 18/6 cord for line voltage plus unswitched hot for BSL10LST plus 0-10V dimming Clear acrylic lens Clear ribbed lens Frosted acrylic lens Interact Pro scalable high bay sensor w/integral daylight & occupancy sensing, advanced grouping w/dwell time Integral EasySense occupancy & daylight sensor, with advanced SpaceWise type wireless grouping 360° Motion detector (ON/OFF) 360° Motion detector (ON/OIM to 10%) Factory wired Bodine integral emergency pack, nominal 2300 to 3000 lumens (0°C - 45°C) Factory wired Bodine integral emergency pack, nominal 1100 to 1400 lumens (0°C - 45°C) UL924 listed sensor bypass relay, factory installed between driver & sensor (Interact Pro compatible) (0°C - 45°C) UL924 listed sensor bypass relay, factory installed between driver & sensor for 347V Power Sense (Interact Pro compatible) (0°C - 45°C) UL924 listed sensor bypass relay, factory installed between driver & sensor for 347V Power Interrupt (Interact Pro compatible) (0°C - 45°C) UL924 listed sensor bypass relay, factory installed between driver & sensor for 347V Power Interrupt (Interact Pro compatible) (0°C - 45°C) UL924 listed sensor bypass relay, factory installed between driver & sensor for 347V Power Interrupt (Interact Pro compatible) (0°C - 45°C) Optional 10kV surge protector High ambient (55°C) for 24klm and 30klm (see dimensional details for luminaire sizes) Meets the requirements of the Buy American Act of 1933 (BAA)

- 1 Nominal delivered lumens at 25°C ambient
- 2 Must specify line voltage
- 3 Order proper cord option for dimming or emergency if using optional cords
- 4 6' is standard cord length. For optional 10', 15', or 20' cord length, replace the "6" in the option code with the desired length.
- 5 Not for use with SNH200 or Interact options.
- 6 High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height. Consider adding LCN3120/05 battery powered sensor to the install for better coverage at lower heights.
- 7 For areas where luminaires are subject to high impact (gymnasiums, etc), rigid pendant hanging is not suggested. Use hook or cable/chain assembly for mounting in these areas.
- $\textbf{8} \hspace{0.2cm} \textbf{Must order IRT9015 Interact commissioning remote with each system order}.$
- 9 Must be installed in conjunction with a UL1008 device.
- 10 Must be ordered with an integral sensing option.
- 11 30,000 lumens maximum
- 12 Failure to properly select the "BAC" suffix could result in you receiving product that is not BAC compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
- 13 Consult Signify to confirm whether specific accessories are BAA-compliant.











Accessories¹³ (order separately)

HNH5-VHOOK
HCH5-VHOOK
HCH10-VHOOK
HCH10-VHOOK
HCH15-VHOOK
HCH20-VHOOK
JC cables & V hooks
HCH20-VHOOK
Cables & V hooks
Ucables & V hooks
HCH20-VHOOK
Cables & V hooks

• FBY-PENHGR⁷ Pendant hanger (adds 3" to height)

• FBY/FBZ-SMKIT Surface mount bracket kit (drops fixture 6" from surface)

• FBY-WG Wire guard (order 2 for FBY36, FBY48, & FBY60)

FBX-SLCA-2N Clear acrylic snap lens
 FBX-SLFA-2N Frosted acrylic snap lens

FBX-SLCA-2W Clear acrylic snap lens for FBY36, FBY48, & FBY60
 FBX-SLFA-2W Frosted acrylic snap lens for FBY36, FBY48, & FBY60







12,000, 18,000, 24,000, 30,000 36,000, 48,000, & 60,000 lumens

General Notes

- · All options factory installed.
- · All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility

Application

• This luminaire can be used to illuminate retail, cold storage, manufacturing, warehousing and many other large indoor spaces with control and precision.

Construction/Finish

- Metal housing and reflectors provide excellent thermal transfer to extend component life.
- · End holes to attach V hooks for chain or cable hanging.
- Cable/chain mounting capability is standard (ordered separately or furnished by others). Accessories are available for other mounting methods.
- 7/8" K.O. at each end of luminaire for wiring or motion detector.
- Polyester powder finish for excellent impact and corrosion resistance.
- · LED light engines and drivers are field replaceable.

- 5 Year Limited Warranty, www.signify.com/warranties
- · Components are RoHS compliant.
- L70 LED predicted lumen maintenance >100,000 hours.
- cETLus listed to UL 1598 standards. Suitable for use in damp locations. See ambient temperature data table for standard ambient information. Ambient other than listed is ordered as an option.
- Dimming drivers are standard. Control is 0-10V DC.
- · Optional motion detector.
- DLC Listed. Please check the DLC Qualified Products List to confirm (www.designlights.org/QPL).
- 6KV surge protection standard.

Ambient Temperature Data

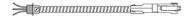
Configuration	Standard Ambient
FBY12L, FBY18L, FBY36L	-40°C to 55°C
FBY48L	-40°C to 50°C
FBY24L, FBY30L, FBY60L	-40°C to 45°C
Any battery, ER100, or GTD	0°C to 45°C

Electro-Connect Modular Wiring System

Electro-Connect is a pre-assembled modular wiring system designed to simplify the process of wiring and installing fixtures ultimately providing time and cost savings. With only three basic components, EC can be used to supply power in both high bay and low bay applicaions. For more information, visit us online at https://www.signify.com/en-us/products/indoor-luminaires/modular-wiring/wiring-devices/electro-connect-ec-three and https://www.signify.com/en-us/products/indoor-luminaires/modular-wiring/wiring-devices/electro-connect-ec-three-plus

EC3 Modular Wiring System

Distribution Cable



Extender Cable



Lighting 'T'



EC3+ Modular Wiring System

Double Headed Extender Cable



Double Headed Distribution Cable



Whip End Fixture Drop



12,000, 18,000, 24,000, 30,000 36,000, 48,000, & 60,000 lumens

Wireless Controls Options

Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (SWZCSH and an evolution of SpaceWise)

- SWZCSH is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- · Compatible with:
- SWS200 wireless scene switch
- Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
- Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
- LCN3110: Battery powered IP65 presence sensor, OCC sensor IA CM IP65WH
- -LCN3120: Battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

SNH200 EasySense

- Philips field apps allow programming of occupany & daylight sensing parameters and fine-tuning of light levels during installation. It can also be used for grouping of fixtures.
- Download "Philips field apps" from the Google Play Store.
- Register for the commissioning app at http://registration.componentcloud. philips.com/appregistration/.
- The app works on certain Android phones with NFC or IR. See Recommended Phones and the EasySense App User Manual in the download section at http://www.usa.lighting.philips.com/products/lighting-components/easysense and follow the "View Downloads" link to register for access to the download area. Navigate to Connected-Lighting-Components and then Philips-EasySense-Sensors to find downloads.

Emergency Options (ER100)

- Power Sensing (Factory default) Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output
- 347V will require step-down transformer and must be ordered indicating Power Sensing or Power Interruption Detection

Ambient Temperature Data

Configuration	Standard Ambient
FBY12L, FBY18L, FBY36L	-40°C to 55°C
FBY48L	-40°C to 50°C
FBY24L, FBY30L, FBY60L	-40°C to 45°C
Any battery, ER100, or GTD	0°C to 45°C

Electro-Connect Modular Wiring System

Electro-Connect is a pre-assembled modular wiring system designed to simplify the process of wiring and installing fixtures ultimately providing time and cost savings. With only three basic components, EC can be used to supply power in both high bay and low bay applicaions. For more information, visit us online at https://www.signify.com/en-us/products/indoor-luminaires/modular-wiring/wiring-devices/electro-connect-ec-three and https://www.signify.com/en-us/products/indoor-luminaires/modular-wiring/wiring-devices/electro-connect-ec-three-plus

EC3 Modular Wiring System

Distribution Cable



Extender Cable



Lighting 'T'



EC3+ Modular Wiring System

Double Headed Extender Cable



Double Headed Distribution Cable



Whip End Fixture Drop



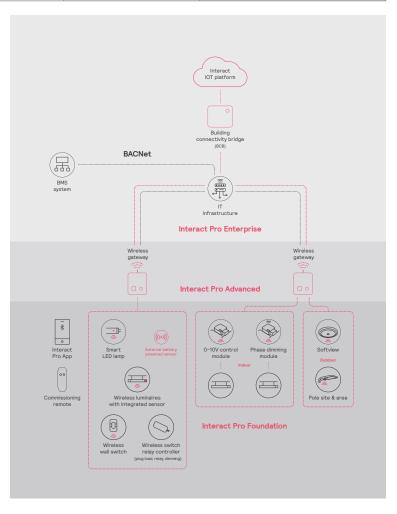
12,000, 18,000, 24,000, 30,000 36,000, 48,000, & 60,000 lumens

	Interact Pro scalable system						
	Article Management of the Control of						
	Foundation	Advanced	Enterprise				
Dimming, grouping, and zoning	✓	✓	~				
Bluetooth and ZigBee enabled	~	✓	~				
Motion sensing and daylight harvesting	✓	✓	~				
Integration with 0-10V and phase dimming fixtures	~	✓	~				
Code compliance	✓	✓	✓				
Granular dimming and dwell time	~	✓	✓				
Energy reporting and monitoring		✓	✓				
Scheduling		✓	✓				
Demand response		✓	✓				
BMS integration (BACnet)			~				
Floor plan visualization			✓				
IoT sensors for wellness			✓				
IoT Apps for productivity			~				

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

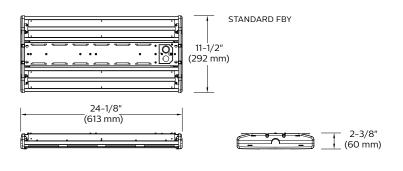
System level				
Total number of gateways	Unlimited			
Total number of devices	200 per network			
 luminaires with integrated sensors 	150			
• smart TLEDS	150			
Total number of ZGP devices (sensors and switches)	50			
• sensors	30			
• switches	50			
zones and groups	64			
Group level				
Recommended number of lights	40 (recommended 25)			
Number of ZGP devices	5			
Number of scenes	16			



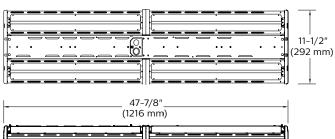
12,000, 18,000, 24,000, 30,000 36,000, 48,000, & 60,000 lumens

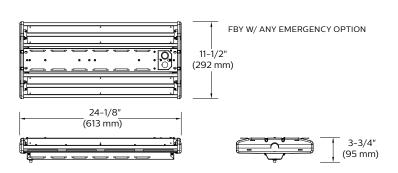
DImensions

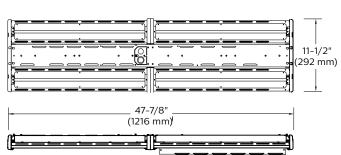


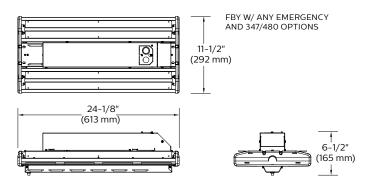


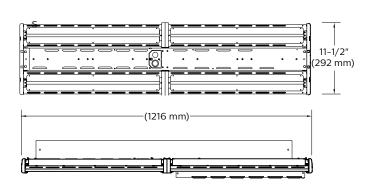
36,000lm - 60,000lm and 24,000lm - 30,000lm 55C ambient option











12,000, 18,000, 24,000, 30,000 36,000, 48,000, & 60,000 lumens

Photometry

LED high bay FBY, general distribution, 24,000 nominal delivered lumens

Catalog No.	FBY24L840-UNV	
Test No.	39981	
S/MH	1.0	
Lamp Type	LED	
Lumens/Lamp	24748	
Input Watts	177	
Efficacy	140	

Comparative yearly lighting energy cost per 1000 lumens – **\$1.70** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Vertical	Horizontal Angle						
Angle	0°	45°	90°	-45°			
0	9264	9264	9264	9264			
5	9226	9324	9359	9324			
15	8987	9023	9017	9023			
25	8467	8303	6893	8303			
35	7724	6077	7031	6077			
45	6672	6137	6177	6137			
55	5033	4238	3189	4238			
65	3512	2574	2290	2574			
75	1839	856	953	856			
85	353	246	247	246			
95	99	94	73	94			
105	124	107	85	107			
115	154	137	113	137			
125	175	155	146	155			
135	188	169	154	169			
145	183	176	162	176			
155	166	162	160	162			

140

120

152

128

Candela distribution

Light I	Distrib	ution	Aver	age L	.umina	ance
Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
0-30	7094	28.7	45	61608	56669	57032
0-40	11466	46.3	55	57290	48239	36303
0- 60	19649	79.4	65	54261	39759	35384
0-90	23883	96.5	75	46401	21588	24030
90-180	865	3.5	85	26466	18436	18481
0- 180	24748	100.0		1		
			1			

Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

						-			
Ceiling (pcc)			80%			70%		50)%
Wall (pw)		70 50 30			70	50	30	50	30
RCR Zonal cav			al cavit	y metho	d - Effe	tive floo	or reflec	tance = 2	20%
	0	118	118	118	115	115	115	109	109
	1	109	104	100	106	102	98	97	94
.0	2	99	91	85	96	89	83	85	80
Room Cavity Ratio	3	91	81	73	88	79	72	75	69
≥	4	83	72	63	81	70	62	67	60
æ.	5	77	64	56	74	63	55	60	53
ũ	6	71	58	49	69	57	49	55	47
οu	7	66	53	44	64	52	44	50	43
&	8	61	48	40	60	47	39	46	39
	9	57	44	36	56	43	36	42	35
	10	54	41	33	52	40	33	39	32

LED high bay FBY, general distribution, 24,000 nominal delivered lumens

Catalog No.	FBY24L840-UNV-LCA
Test No.	39993
S/MH	1.1
Lamp Type	LED
Lumens/Lamp	23532
Input Watts	176
Efficacy	133

Comparative yearly lighting energy cost per 1000 lumens – **\$1.79** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candela	distribution
V 1	11

127

vertical	Horizontal Angle							
Angle	0°	45°	90°	-45°				
0	9110	9110	9110	9110				
5	9028	9092	9182	9092				
15	8784	8837	8875	8837				
25	8252	8197	7032	8197				
35	7487	6221	6508	6221				
45	6409	5446	5875	5446				
55	4687	4136	3055	4136				
65	3071	2125	2170	2125				
75	1348	897	745	897				
85	235	251	256	251				
95	114	72	47	72				
105	126	82	56	82				
115	136	107	81	107				
125	150	131	113	131				
135	160	149	127	149				
145	155	166	148	166				
155	135	191	159	191				
165	116	191	220	191				
175	98	102	96	102				

Light Distribution

Degrees	Lumens	% Luminaire
0- 30	6984	29.7
0-40	11233	47.7
0-60	19040	80.9
0-90	22761	96.7
90-180	771	3.3
0-180	23532	100.0

Average Luminance

	_		
Angle	End	45°	Cross
45	59177	50287	54250
55	53347	47077	34772
65	47445	32827	33525
75	34002	22618	18791
85	17589	18795	19185

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling (po	c)		80%			70%		50	0%
Wall (pw)		70	50	30	70	50	30	50	30
RCR		Zor	al cavity	/ metho	d - Effec	tive flo	or reflec	tance = I	20%
	0	118	118	118	115	115	115	109	109
	1	109	104	101	106	102	98	97	94
.0	2	100	92	86	97	90	84	86	81
łat	3	91	81	74	89	79	72	76	70
Room Cavity Ratio	4	84	72	64	81	70	63	68	61
	5	77	65	56	75	64	56	61	54
Ö	6	71	59	50	69	58	49	55	48
6	7	66	53	45	64	52	44	51	43
8	8	62	49	40	60	48	40	46	39
	9	58	45	37	56	44	36	43	36
	10	54	41	34	53	41	33	40	33

12,000, 18,000, 24,000, 30,000 36,000, 48,000, & 60,000 lumens

Photometry (continued)

LED high bay FBY, general distribution, 24,000 nominal delivered lumens, frosted acrylic lens

Catalog No.	FBY24L840-UNV-LFA
Test No.	39991
S/MH	1.2
Lamp Type	LED
Lumens/Lamp	22055
Input Watts	176
Efficacy	125

Comparative yearly lighting energy cost per 1000 lumens – **\$1.92** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Cand	ela	dis	tri	bu	tion
Ourid	Ciu	uis		DЧ	CIOII

Angle 0' 45' 90' -45' 0 8355 8355 8355 8355 5 8277 8334 8374 8334 15 7910 7855 7834 7855 25 7187 7053 6984 7053 35 6171 6008 6120 6008 45 4648 4755 4890 4755 55 3493 3649 3407 3649 65 2329 2333 2304 2333 75 1262 1263 1257 1263 85 342 376 379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 <	Vertical	Horizontal Angle						
5 8277 8334 8374 8334 15 7910 7855 7834 7855 25 7187 7053 6984 7053 35 6171 6008 6120 6008 45 4648 4755 4890 4755 55 3493 3649 3407 3649 65 2329 2333 2304 2333 75 1262 1263 1379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	Angle	0°	45°	90°	-45°			
15 7910 7855 7834 7855 25 7187 7053 6984 7053 35 6171 6008 6120 6008 45 4648 4755 4890 4755 55 3493 3649 3407 3649 65 2329 2333 2304 2333 75 1262 1263 1257 1263 85 342 376 379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	0	8355	8355	8355	8355			
25 7187 7053 6984 7053 35 6171 6008 6120 6008 45 4648 4755 4890 4755 55 3493 3649 3407 3649 65 2329 2333 2304 2333 75 1262 1263 1257 1263 85 342 376 379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	5	8277	8334	8374	8334			
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45 4648 4755 4890 4755 55 3493 3649 3407 3649 65 2329 2333 2304 2333 75 1262 1263 1257 1263 85 342 376 379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	25	7187	7053	6984	7053			
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75 1262 1263 1257 1263 85 342 376 379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	55	3493	3649	3407	3649			
85 342 376 379 376 95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 135 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	65	2329	2333	2304	2333			
95 124 96 76 96 105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	75	1262	1263	1257	1263			
105 195 105 82 105 115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	85	342	376	379	376			
115 263 133 104 133 125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	95	124	96	76	96			
125 315 158 135 158 135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	105	195	105	82	105			
135 340 190 152 190 145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	115	263	133	104	133			
145 334 227 185 227 155 305 275 224 275 165 277 292 281 292	125	315	158	135	158			
155 305 275 224 275 165 277 292 281 292	135	340	190	152	190			
165 277 292 281 292	145	334	227	185	227			
	155	305	275	224	275			
175 254 256 250 256	165	277	292	281	292			
	175	254	256	250	256			

Light Distribution

Degrees	Lumens	% Luminaire
0-30	6258	28.4
0-40	10031	45.5
0-60	16828	76.3
0-90	20948	95.0
90-180	1107	5.0
0-180	22055	100.0

Average Luminance

919	4390	١7	45150	$\overline{}$
		,,	43130)
758	4153	37	3877	9
977	3603	4	35599	9
325	3186	3	3170	ŝ
635	2817	4	2838	4
	977 325	977 3603 325 3186	977 36034 325 31863	977 36034 35599 325 31863 31706

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

cc)	70	80% 50			70%		50	10/
	70	F0			, 0, 10)(<i>) /</i> 0
		50	30	70	50	30	50	30
	Zon	al cavity	metho	d - Effe	tive floo	or reflect	tance = 2	20%
0	118	118	118	115	115	115	108	108
1	108	103	99	105	100	97	95	92
2	98	90	84	95	88	82	84	79
3	90	80	72	87	78	70	74	68
4	82	71	62	80	69	61	66	59
5	76	63	55	74	62	54	59	52
6	70	57	49	68	56	48	54	46
7	65	52	43	63	51	43	49	42
8	61	48	39	59	47	39	45	38
9	57	44	36	55	43	35	41	34
10	53	40	33	52	40	32	38	32
	1 2 3 4 5 6 7 8	0 118 1 108 2 98 3 90 4 82 5 76 6 70 7 65 8 61 9 57	0 118 118 1 108 103 2 98 90 3 90 80 4 82 71 5 76 63 6 70 57 7 65 52 8 61 48 9 57 44	0 118 118 118 1 108 103 99 2 98 90 84 3 90 80 72 4 82 71 62 5 76 63 55 6 70 57 49 7 65 52 43 8 61 48 39 9 57 44 36	0 118 118 118 115 1 108 103 99 105 2 98 90 84 95 3 90 80 72 87 4 82 71 62 80 5 76 63 55 74 6 70 57 49 68 7 65 52 43 63 8 61 48 39 59 9 57 44 36 55	0 118 118 118 115 115 1 108 103 99 105 100 2 98 90 84 95 88 3 90 80 72 87 78 4 82 71 62 80 69 5 76 63 55 74 62 6 70 57 49 68 56 7 65 52 43 63 51 8 61 48 39 59 47 9 57 44 36 55 43	0 118 118 118 115 115 115 1 108 103 99 105 100 97 2 98 90 84 95 88 82 3 90 80 72 87 78 70 4 82 71 62 80 69 61 5 76 63 55 74 62 54 6 70 57 49 68 56 48 7 65 52 43 63 51 43 8 61 48 39 59 47 39 9 57 44 36 55 43 35	0 118 118 118 115 115 115 108 1 108 103 99 105 100 97 95 2 98 90 84 95 88 82 84 3 90 80 72 87 78 70 74 4 82 71 62 80 69 61 66 5 76 63 55 74 62 54 59 6 70 57 49 68 56 48 54 7 65 52 43 63 51 43 49 8 61 48 39 59 47 39 45 9 57 44 36 55 43 35 41

Catalog No.	Delivered Lumens	Input Watts *	Efficacy	Uplight%
FBY12L840-UNV	12139	88	138	2.7
FBY12L840-UNV-LCA	11689	88	133	3.5
FBY12L840-UNV-LFA	11085	88	126	5.6
FBY18L840-UNV	18797	133	142	2.4
FBY18L840-UNV-LCA	18037	133	136	3.4
FBY18L840-UNV-LFA	16889	133	127	5.1
FBY24L840-UNV	24748	177	140	3.5
FBY24L840-UNV-LCA	23532	176	133	3.3
FBY24L840-UNV-LFA	22055	176	125	5.0
FBY30L840-UNV	30435	208	146	2.3
FBY30L840-UNV-LCA	29316	209	140	4.0
FBY30L840-UNV-LFA	27578	208	132	4.6
FBY36L840-UNV	39683	268	148	2.6
FBY36L840-UNV-LCA	37844	267	142	3.5
FBY36L840-UNV-LFA	35176	269	131	5.1
FBY48L840-UNV	50849	356	143	2.7
FBY48L840-UNV-LCA	48521	355	137	3.5
FBY48L840-UNV-LFA	45050	355	127	5.1
FBY60L840-UNV	62499	423	148	2.7
FBY60L840-UNV-LCA	59257	420	141	3.5
FBY60L840-UNV-LFA	55837	421	133	3.9

^{* 347}V and 480V models have the same input watts.



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