



MECHANICAL

- Retrofits 1'x4', 2'x2' and 2'x4' fluorescent recessed fixtures to LED
- Pan-style kit upgrades outdated optics
- Heavy gauge steel housing and aluminum LED tray
- Corrosion and scratch resistant white enamel finish
- Fast and easy to install

ELECTRICAL

- EVERLINE® light engine includes LED driver & hi-efficacy LED modules
- Available as 120-277VAC or 347VAC
- Standard equipped with 0-10V LED driver, dimmable to 1%
- LED system efficacies up to 139LPW

OPTICAL

- Low loss frosted acrylic center-basket style diffuser
- Multiple lumen outputs, four CCT options, 80+ CRI

KIT INCLUDES

- Endcaps
- LED panel
- Diffuser
- Side panels
- Mounting hardware (quarter turn screws and disconnects)

BLUETOOTH CONTROL OPTIONS

- Occupancy and photo sensor
- Fixture Controller

CERTIFICATIONS

- UL Classified 1598C (US & Canada)
- FCC Title 47 CFR, Part 15, Class A
- ROHS compliant, contains no lead or mercury
- Select models are DesignLights Consortium® qualified. Consult www.designlights.org/QPL for details.
- Select models are Buy American Act compliant.

WARRANTY

- Five year limited warranty

ORDERING GUIDE

EXAMPLE: PRK22-36W840-U¹

Ordering Information									
Series	Format	-	Watts	W	CRI	Color Temp.	-	Voltage	Options
PRK = Professional Retrofit Kit	14 = 1ft x 4ft	-	18	W	8 = 80 (minimum)	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	-	U = 120-277 VAC 347 = 347 VAC	EM ² = Backup Battery Pack IFSB ^{2,3} = Bluetooth Intelligent Fixture Sensor IFCB ² = Bluetooth Intelligent Fixture Controller
		-	24						
		-	28						
		-	36						
		-	50						
	22 = 2ft x 2ft	-	18						
		-	25						
		-	32						
		-	36						
		-	50						
	24 = 2ft x 4ft	-	25						
		-	28						
		-	33						
		-	36						
		-	46						
		-	52						
		-	60						
	-	70							

ORDERING NOTES:

1. Append catalog with 001 for single kit package or B3 for 3 kit bulk package (PRK22 and PRK24 only).
2. EM, IFCB, and IFSB options only available for 120-277VAC kits.
3. IFSB option not available on 2x2 36W & 2x2 50W models.

PERFORMANCE DATA

Format	Watts		Delivered Lumens	LPW	Input Current (A)			PF	ThD
	Nominal	Measured			120V	277V	347V		
14	18	17.8	2356	132	0.15	0.06	0.05	> 0.90	< 20%
	24	24.2	3094	128	0.20	0.09	0.07		
	28	28.0	3870	138	0.23	0.10	0.08		
	36	36.0	4742	132	0.30	0.13	0.10		
	50	49.3	6326	128	0.41	0.18	0.14		
22	18	18.1	2339	129	0.15	0.07	0.05		
	25	24.9	3040	122	0.21	0.09	0.07		
	32	32.0	3959	124	0.27	0.12	0.09		
	36	36.0	4644	129	0.30	0.13	0.10		
	50	50.2	6020	120	0.42	0.18	0.14		
24	25	25.8	3265	127	0.22	0.09	0.07		
	28	28.0	3901	139	0.23	0.10	0.08		
	33	33.0	4463	135	0.28	0.12	0.10		
	36	36.0	4781	133	0.30	0.13	0.10		
	46	45.7	6098	133	0.38	0.16	0.13		
	52	52.0	7216	139	0.43	0.19	0.15		
	60	60.0	8036	134	0.50	0.22	0.17		
70	68.3	9204	135	0.57	0.25	0.20			

LUMEN MAINTENANCE	
Reported per TM-21	L70 > 72,000 hrs
Calculated L70	L70 > 95,000 hrs

PERFORMANCE NOTES:

- Data provided for 4000K at 25C; multiply lumens and LPW by 0.95 for 3000K, 0.97 for 3500K, or 1.03 for 5000K.
- Specifications subject to change without notice.

DESIGNLIGHTS CONSORTIUM® QPL LISTED PRODUCTS

Model Number	Model Number	Model Number	Model Number	Model Number	Model Number	Model Number
PRK14-18W830-U	PRK14-28W830-U	PRK22-18W830-U	PRK22-32W830-U	PRK24-25W830-U	PRK24-36W830-U	PRK24-60W830-U
PRK14-18W835-U	PRK14-28W835-U	PRK22-18W835-U	PRK22-32W835-U	PRK24-25W835-U	PRK24-36W835-U	PRK24-60W835-U
PRK14-18W840-U	PRK14-28W840-U	PRK22-18W840-U	PRK22-32W840-U	PRK24-25W840-U	PRK24-36W840-U	PRK24-60W840-U
PRK14-18W850-U	PRK14-28W850-U	PRK22-18W850-U	PRK22-32W850-U	PRK24-25W850-U	PRK24-36W850-U	PRK24-60W850-U
PRK14-24W830-U	PRK14-50W830-U	PRK22-25W830-U	PRK22-50W830-U	PRK24-28W830-U	PRK24-52W830-U	PRK24-70W830-U
PRK14-24W835-U	PRK14-50W835-U	PRK22-25W835-U	PRK22-50W835-U	PRK24-28W835-U	PRK24-52W835-U	PRK24-70W835-U
PRK14-24W840-U	PRK14-50W840-U	PRK22-25W840-U	PRK22-50W840-U	PRK24-28W840-U	PRK24-52W840-U	PRK24-70W840-U
PRK14-24W850-U	PRK14-50W850-U	PRK22-25W850-U	PRK22-50W850-U	PRK24-28W850-U	PRK24-52W850-U	PRK24-70W850-U



Model Number	Model Number	Model Number	Model Number
PRK14-36W830-U	PRK22-36W830-U	PRK24-33W830-U	PRK24-46W830-U
PRK14-36W835-U	PRK22-36W835-U	PRK24-33W835-U	PRK24-46W835-U
PRK14-36W840-U	PRK22-36W840-U	PRK24-33W840-U	PRK24-46W840-U
PRK14-36W850-U	PRK22-36W850-U	PRK24-33W850-U	PRK24-46W850-U



DIMENSIONS (in)

PRODUCT ENVELOPE (in)				
Format	L	W	H	lb
1x4 ft	47.75	11.81	2.38	13.0
2x2 ft	23.75	23.75	2.38	11.0
2x4 ft	47.75	23.75	2.38	15.0

Nominal Dimensions

PHOTOMETRIC DATA

LUMINANCE (cd/m ²)				ZONAL LUMENS			CANDELA PLOT		SPACING CRITERIA		
Vert Angle	At 0° Horiz	At 45° Horiz	At 90° Horiz	Zone	Lumens	% Fixture	Angles	10°	And Efficacy Values		
PRK14-36W840-U											
45°	6187	6728	7036	0-20	643	13.6%		1761 Cd	Along	1.24	
55°	5497	6392	6769	0-40	2240	47.2%			Across	1.30	
65°	4624	5782	4696	0-60	3928	82.8%			Lumens	4742	
75°	3635	3677	1930	0-90	4742	100.0%			Watts	36	
85°	2526	1663	1122	0-180	4742	100.0%			Lm/W	132	
PRK22-36W840-U											
45°	4288	4729	5117	0-20	606	13.0%		1674 Cd	Along	1.22	
55°	3742	4496	5049	0-40	2093	45.1%			Across	1.30	
65°	3099	4220	4942	0-60	3659	78.8%			Lumens	4644	
75°	2443	4035	4955	0-90	4644	100.0%			Watts	36	
85°	1784	3130	1787	0-180	4644	100.0%			Lm/W	129	
PRK24-46W840-U											
45°	3030	3321	3503	0-20	785	13.6%		2149 Cd	Along	1.24	
55°	2668	3179	3455	0-40	2728	47.2%			Across	1.30	
65°	2217	2998	3372	0-60	4795	82.8%			Lumens	6098	
75°	1720	2900	3331	0-90	6098	100.0%			Watts	45.7	
85°	1217	2127	1038	0-180	6098	100.0%			Lm/W	133	

BLUETOOTH SENSOR & CONTROL

DESCRIPTION

The IFCB option is a factory installed, Intelligent **Bluetooth**® Controller (a node) providing wireless connectivity with neighboring luminaires and other devices.

The IFSB option is a factory installed, Intelligent Bluetooth Occupancy and Photo Sensor providing wireless connectivity with neighboring luminaires and other devices

ELECTRICAL

Three-Wire: ternal connections, factory harnessed to an appropriate LED driver

Load Rating: Not Applicable

Dimming: 0-10V control signal

SETTINGS

Room & zone assignments: None

Start up Sequence:

- 3 seconds OFF
- 6 seconds Full Bright
- 3 seconds Off
- 3 seconds Dim
- Full Bright

BT-IFS Sensor Default

- Photo sensor disabled
- Occupancy sensor time out 20 minutes

BT-IFC Controller Default

- Sustained operation at 100%: All control settings disabled for non-commissioned devices

MANUFACTURER/PRODUCT

Douglas Lighting Controls/BT-IFS-A & BT-IFC-A



PRK with IFSB sensor option

The PRK with IFCB control appears the same as the standard PRK, the control is not visible.