

Calculite® Compact Fluorescent Downlighting **Ballast**

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Compact Fluorescent Ballast/Lamp Compatibility & Electrical Data

April 23, 2012

This specification sheet serves as a reference for all Calculite Compact Fluorescent specification sheets. Please note: Products may not be available for all combinations in the frame. Please visit the website product specific information.

Compact Fluorescent Frame-In Kit Numbering System

Aper. Dia.	# Lamps	Lamp	Lamp Orientation	Ballast Type and Voltage
4 4 1/2"	1	13 13W TT/QT	H Horizontal	U Electronic 4-Pin QT/TTT/TT, 120-277V
6 6" Die-Cast	2	18 18W QT/TTT	V Vertical	
S6 6" Steel Frame				
7 7" Die-Cast		26 26W QT/TTT	B Both Hor. & Vert.	
S7 7" Steel Frame				DU PowerSpec Dimming 4-pin QT, 120-277V
8 8 3/4" Die-Cast		27 24/27W TT	A Sloped Ceiling	
S8 8 3/4" Steel Frame				CU PowerSpec Dimming 4-Pin TTT, 120-277V J Electronic Dimming 4-Pin QT/TTT (see below)
4X4		32 32W TTT	LP Low Profile	
4X9		42 42W TTT		
9X9		57 57W TTT		

Non-Dimming Ballasts: Lamp / Ballast Compatibility

Ballast Type	Description	Wattage	General Electric**	Sylvania	Philips
U -347	Electronic, 120-277V Electronic, 347V Quad Tube 4-Pin Triple Tube 4-Pin	13, 18, 26 18, 26, 32, 42 57	F __ DBX / * / 4P F __ TBX / * / A / 4P F 57 QBX / * / A / 4P	CF __ DD / E / * CF __ DT / E / IN / * CF 57 DT / E / IN / *	PL-C __ W / * / 4P PL-T __ W / * / 4P

*Specify lamp color as desired. **General Electric 57W (QBX) is a Quadral Tube lamp. __ Specify lamp wattage.

Dimming Ballasts: Lamp / Ballast / Dimmer Compatibility

Ballast Type	Description	Wattage	Lamp	Compatible Dimmers
DU	PowerSpec®, 120-277V Quad Tube 4-Pin 100 -10% Dimming	13, 18, 26 QT	SYL, GE, & Philips	MSP600HDF120 OH1500HDF120 LM22400HDF32 MSP600HDF120 ZP600HDF120 LM24000HDF MHP1500HDF120 MP1500HDF120 LMDP20HDF120
CU	PowerSpec®, 120-277V Triple Tube 4-Pin 100 -10% Dimming	26, 32, 42 TTT	SYL, GE, & Philips	OS600HDF120 V2000HDFU LMDP20HDF277 OH600HDF120 LM22400HDF All VA Models** **All VA models: Use interfaces DA10HDFI, DA20HDF120I, DA20HDF277I
JUM7	Advance Mark VII®, 120-277V Quad / Triple Tube 4-Pin 100 -5% Dimming	26 QT 26, 32, 42, 57 TTT	SYL, GE, & Philips	ZP600FAM120 LM2-2400FAM MP1500FAM120 LM2-2400FAM-32 LM2-4000FAM
JES10	ESI DIM-10 ¹ , 120-277V Quad / Triple Tube 4-Pin 100 -3% Dimming	13, 18, 26 QT 32, 42 TTT	SYL, GE, & Philips	ZP600FAM120 LM2-2400FAM MP1500FAM120 LM2-2400FAM-32 LM2-4000FAM
J1LD3	Lutron Hi-lume®, 120V ² Quad / Triple Tube 4-Pin 100 -5% Dimming	18, 26 QT 32, 42 TTT	For lamp and dimmer compatibility, consult Lutron.	
J1LDT	Lutron Tu-Wire®, 120V only Quad / Triple Tube 4-Pin 100 -5% Dimming	18, 26 QT 32 TTT	² For Hi-lume 277V, Change "1" to "2". Ex: J2LD3 For ballast provided by customer & factory installed, Change "D" to "U". Ex: J1LU3	

Important: Season new lamps at full light output for 100 hours before dimming.

¹For Advance Mark X, and ESI DIM-E and DIM-D (Remote), consult Lightolier sales representative for availability. For PowerSpec® and Advance Mark VII® Dimming Frame-In Kits, see Specification Sheets DIM-LOL and DIM-ADVANCE.

Canlyte

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Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

LIGHTOLIER®

Calculite® Compact Fluorescent Downlighting **Ballast**

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Compact Fluorescent Ballast/Lamp Compatibility & Electrical Data

Electrical Data

"U" Universal Voltage Electronic Ballasts for 4-Pin Lamps, 120-277V 50/60Hz												
	One Lamp - Triple Tube					Two - Lamp Quad Tube			Two Lamp - Triple Tube			Twin Tube
Lamp	1 x 18W	1 x 26W	1 x 32W	1 X 42W	1 X 57W	2 X 13W	2 x 18W	2 x 26W	2 x 26W	2 x 32W	2 x 42W	2 x 24/27W
Voltage	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V	120 / 277V
Input Wattage	22	28	36	48	59	33	40	56	56	70	93	50
Line Current (amps.)	0.18 / 0.08	0.25 / 0.11	0.32 / 0.14	0.42 / 0.18	0.50 / 0.21	0.28 / 0.12	0.33 / 0.15	0.49 / 0.21	0.49 / 0.21	0.59 / 0.25	0.78 / 0.33	0.41 / 0.18
Ballast Factor	1.00	1.00	1.00	0.98	0.94	0.98	0.98	0.98	0.98	0.96	0.95	1.00
Power Factor	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%
T.H.D.	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%
Min. Starting Temp.	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)	0°C(32°F)	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)	-18°C(0°F)

Dimming Ballasts

"D" PowerSpec® HDF Universal Voltage Electronic Dimming Ballasts for 4-Pin Quad Tube Lamps, 120-277V 50/60 HZ.

	One Lamp - Quad Tube		Two Lamp - Quad Tube						Note: All data for dimming ballasts are measured at full output unless otherwise noted. For "C" and "D" PowerSpec ballasts, see separate specification sheet no. DIM-LOL for additional information. PowerSpec® is a Registered Trademark of Lightolier.
	1 x 26W	1 x 26W	2 x 13W	2 x 13W	2 x 18W	2 x 18W	2 x 26W	2 x 26W	
Lamp	120V	277V	120V	277V	120V	277V	120V	277V	
Dimming Range	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	
Input Wattage (Full)	29	29	33	33	41	41	53	52	
Line Current (amps.)	0.26	0.12	0.27	0.12	0.35	0.15	0.41	0.18	
Ballast Factor (Full)	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	
Power Factor (Full & Low)	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	
T.H.D. (@ 100% full)	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	
T.H.D. (@ 10% Dim)	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	
Min. Starting Temp.	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	

"C" PowerSpec® HDF Universal Voltage Electronic Dimming Ballasts for 4-Pin Triple Tube Lamps, 120-277V 50/60 HZ.

	One Lamp - Triple Tube						Two Lamp - Triple Tube (Two ballasts)					
	1 x 26W	1 x 26W	1 x 32W	1 x 32W	1 x 42W	1 x 42W	2 x 26W	2 x 26W	2 x 32W	2 x 32W	2 x 42W	2 x 42W
Lamp	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Dimming Range	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%	100-10%
Input Wattage (Full)	29	29	35	35	45	45	58	58	70	70	90	90
Line Current (amps.)	0.26	0.12	0.32	0.14	0.41	0.18	0.52	0.24	0.64	0.28	0.82	0.36
Ballast Factor (Full)	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98
Power Factor (Full & Low)	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%	> 97%
T.H.D. (@ 100% full)	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%
T.H.D. (@ 10% Dim)	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%	< 20%
Min. Starting Temp.	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)	0°C (32°F)

"J" Other Electronic Dimming Ballasts (Advance, ESI, Lutron) for 4-Pin Quad Tube and Triple Tube Lamps

For Advance Mark VII® dimming ballasts, see separate specification sheet No. DIM-ADVANCE for product and electrical information. For other ballast manufacturers, see their specifications.

Note:

1. All electronic ballasts are equipped with end-of-lamp life circuit protection, short circuit protection and "Class P" thermal protection.
2. All ballasts comply with FCC Part 18, Class A for EMI.
3. All electrical data shown is typical but may vary depending on ballast used.
4. All electrical data is provided by ballast manufacturers.

Job Information

Type:

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