Project Name:	Type:
Part Number:	Date:

GREENCREATIVE

EXTERNAL DRIVER T8

060523

FEATURES

- Replaces 2’ / 3’ / 4’ / Ubent T8 fluorescent lamp
- Compatible with GREEN CREATIVE external drivers only
- Flicker Free (percent flicker and flicker index are less than one percent)
- Utilizes existing lamp holders – shunted or non-shunted
- Ultra-high efficacy up to 158 LPW
- Opaque glass lens reduces glare
- 310° wide light emitting area
- 0-10V dimming (dims to 10%)*
- Parallel output driver requires no minimum lamp load to operate properly
- Suitable for use in enclosed fixture and damp location
- Meets NSF Requirements (use of a shatter guard required)
- Fixture operating temperature: -4°F to 95°F (-20°C to 35°C)
- Lamp ambient temperature: -4°F to 113°F (-20°C to 45°C)
- Rated lifetime (L70) up to: 60,000hrs
- 5 year limited warranty** / 10 year available
  (see EXTENDED WARRANTIES table for information)
- Suitable for all indoor general lighting applications



Enlighted

SPECIFICATIONS - LAMP

Product	Model	Nominal Length	Equiv.	Life (hrs)	Wattage	Lumens	CCT	CRI	Efficacy (LPW)	Beam Angle
98335 37126	14T8/4F/840/EXT 14T8/4F/840/EXT/R	4'	32W	70,000	14	2,050	4000K	82	146	220°
98336 37127	14T8/4F/850/EXT 14T8/4F/850/EXT/R	4'	32W	70,000	14	2,050	5000K	82	146	220°
98331 37121	11.5T8/4F/830/EXT 11.5T8/4F/830/EXT/R	4'	32W	70,000	11.5	1,600	3000K	82	139	220°
98332 37122	11.5T8/4F/835/EXT 11.5T8/4F/835/EXT/R	4'	32W	70,000	11.5	1,650	3500K	82	143	220°
98333 37123	11.5T8/4F/840/EXT 11.5T8/4F/840/EXT/R	4'	32W	70,000	11.5	1,700	4000K	82	148	220°
98334 37124	11.5T8/4F/850/EXT 11.5T8/4F/850/EXT/R	4'	32W	70,000	11.5	1,700	5000K	82	148	220°
98328	10.5T8/3F/830/EXT	3'	25W	70,000	10.5	1,450	3000K	82	138	220°
98329	10.5T8/3F/835/EXT	3'	25W	70,000	10.5	1,500	3500K	82	143	220°
98330	10.5T8/3F/840/EXT	3'	25W	70,000	10.5	1,600	4000K	82	152	220°
98325	9.5T8/2F/830/EXT	2'	17W	70,000	9.5	1,350	3000K	82	142	220°
98326	9.5T8/2F/835/EXT	2'	17W	70,000	9.5	1,400	3500K	82	147	220°
98327	9.5T8/2F/840/EXT	2'	17W	70,000	9.5	1,500	4000K	82	158	220°
98337	14.5T8U6/830/EXT	U-6	32W	70,000	14.5	2,000	3000K	82	138	220°
35461	14.5T8U6/835/EXT	U-6	32W	70,000	14.5	2,000	3500K	82	138	220°
98338	14.5T8U6/840/EXT	U-6	32W	70,000	14.5	2,200	4000K	82	152	220°
98339	14.5T8U6/850/EXT	U-6	32W	70,000	14.5	2,200	5000K	82	152	220°

* This lamp might not be compatible with all dimmers. Please visit www.greencreative.com for compatibility information.
** Please visit www.greencreative.com for Limited Warranty terms.

GREENCREATIVE

EXTERNAL DRIVER T8

SPECIFICATIONS - EXTERNAL DRIVER

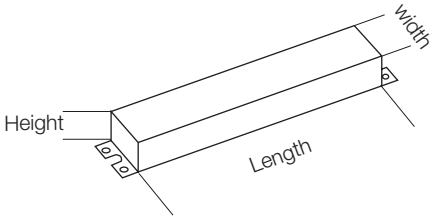
Product	Model	Max. Lamp Quantity	Input Voltage (V)	Input Freq. (Hz)	Max. Input Current (A)	Output Voltage (V)	Output Current (A)	Dim.	Max Case Temperature (°C/°F)	Power Factor	THD
98259	15T8T5HEDRIVER/2CH/R	2	120-277	50/60	0.31	DC 30-48	0.3 * 2	0-10V	90/194	0.9	<20%
98260	15T8T5HEDRIVER/4CH/R	4	120-277	50/60	0.6	DC 30-48	0.3 * 4	0-10V	90/194	0.9	<20%

SPECIFICATIONS - LAMP & DRIVER SYSTEM

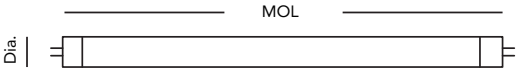
External Driver Information / Lamp Information			98259				98260			
			15T8T5HEDRIVER/2CH/R				15T8T5HEDRIVER/4CH/R			
			1 Lamp		2 Lamps		3 Lamps		4 Lamps	
Product	Model	CCT	System Power	Flux	System Power	Flux	System Power	Flux	System Power	Flux
98335	14T8/4F/840/EXT	4000K	16	2,050	32	4,100	48	6,150	64	8,200
37126	14T8/4F/840/EXT/R	4000K	16	2,050	32	4,100	48	6,150	64	8,200
98336	14T8/4F/850/EXT	5000K	16	2,050	32	4,100	48	6,150	64	8,200
37127	14T8/4F/850/EXT/R	5000K	16	2,050	32	4,100	48	6,150	64	8,200
98331	11.5T8/4F/830/EXT	3000K	13	1,600	26	3,200	39	4,800	52	6,400
37121	11.5T8/4F/830/EXT/R	3000K	13	1,600	26	3,200	39	4,800	52	6,400
98332	11.5T8/4F/835/EXT	3500K	13	1,650	26	3,300	39	4,950	52	6,600
37122	11.5T8/4F/835/EXT/R	3500K	13	1,650	26	3,300	39	4,950	52	6,600
98333	11.5T8/4F/840/EXT	4000K	13	1,700	26	3,400	39	5,100	52	6,800
37123	11.5T8/4F/840/EXT/R	4000K	13	1,700	26	3,400	39	5,100	52	6,800
98334	11.5T8/4F/850/EXT	5000K	13	1,700	26	3,400	39	5,100	52	6,800
37124	11.5T8/4F/850/EXT/R	5000K	13	1,700	26	3,400	39	5,100	52	6,800
98328	10.5T8/3F/830/EXT	3000K	12.5	1,450	25	2,900	37.5	4,350	50	5,800
98329	10.5T8/3F/835/EXT	3500K	12.5	1,500	25	3,000	37.5	4,500	50	6,000
98330	10.5T8/3F/840/EXT	4000K	12.5	1,600	25	3,200	37.5	4,800	50	6,400
98325	9.5T8/2F/830/EXT	3000K	11	1,350	22	2,700	33	4,050	44	5,400
98326	9.5T8/2F/835/EXT	3500K	11	1,400	22	2,800	33	4,200	44	5,600
98327	9.5T8/2F/840/EXT	4000K	11	1,500	22	3,000	33	4,500	44	6,000
98337	14.5T8U6/830/EXT	3000K	17	2,000	34	4,000	51	6,000	68	8,000
35461	14.5T8U6/835/EXT	3500K	17	2,000	34	4,000	51	6,000	68	8,000
98338	14.5T8U6/840/EXT	4000K	17	2,200	34	4,400	51	6,600	68	8,800
98339	14.5T8U6/850/EXT	5000K	17	2,200	34	4,400	51	6,600	68	8,800

EXTERNAL DRIVER T8

DIMENSION & WEIGHT



Model	15T8T5HEDRIVER/2CH/R 15T8T5HEDRIVER/4CH/R
Length	9-1/2"
Width	1-5/16"
Height	1-3/16"
Weight	1.0 lb



Model	9.5T8/2F/xxx/EXT	10.5T8/3F/xxx/EXT	11.5T8/4F/xxx/EXT 11.5T8/4F/xxx/EXT/R 14T8/4F/xxx/EXT 14T8/4F/xxx/EXT/R
Base	G13	G13	G13
MOL	23-3/4"	35-3/4"	47-3/4"
Dia.	1-1/8"	1-1/8"	1-1/8"
Weight	0.26lb	0.4lb	0.49lb



Model	14.5T8U6/xxx/EXT
Base	G13
MOL	22-7/16"
Dia.	7-1/16"
Weight	0.56lb

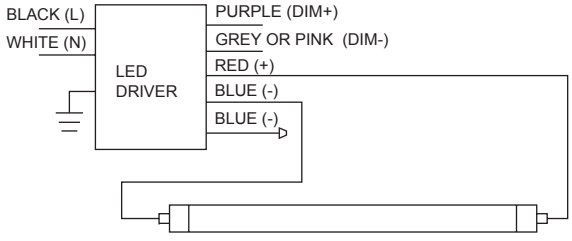
Where xxx means 824-965 which indicates CRI and color temperature

INSTALLATION

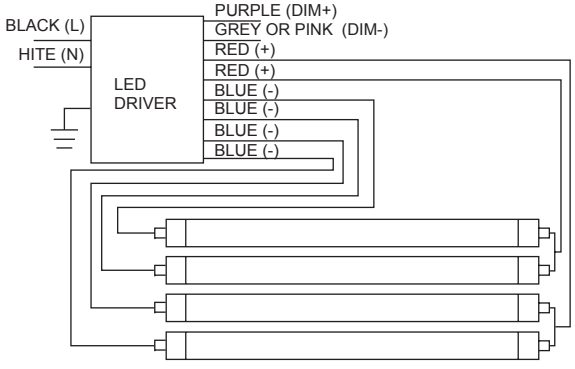
Double-ended Installation

- For shunted & non-shunted lamp holders
- Not polarity sensitive, lamps can be wired at either end

1 LAMP



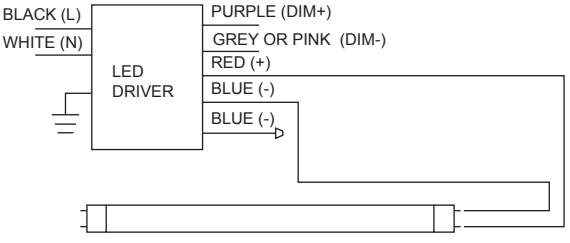
4 LAMPS



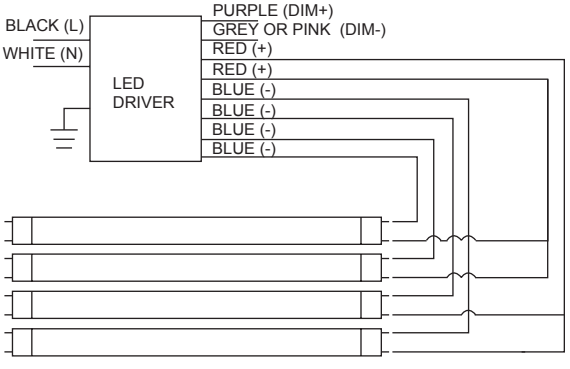
Single-ended Installation

- For non-shunted lamp holders only
- Not polarity sensitive, lamps can be wired at either end

1 LAMP

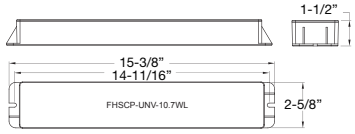
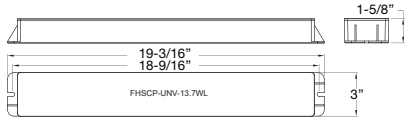
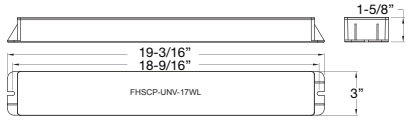


4 LAMPS



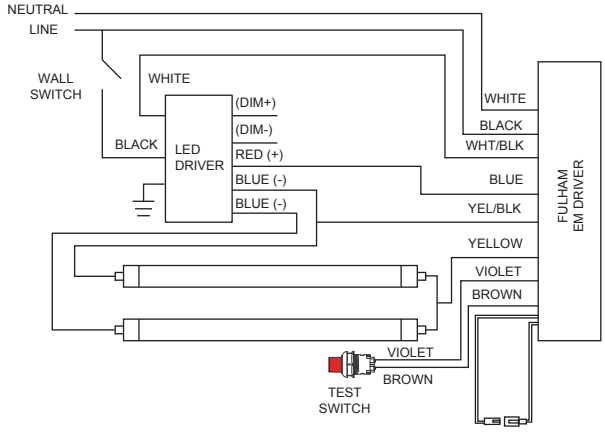
EXTERNAL DRIVER T8

ACCESSORY ORDERING INFORMATION

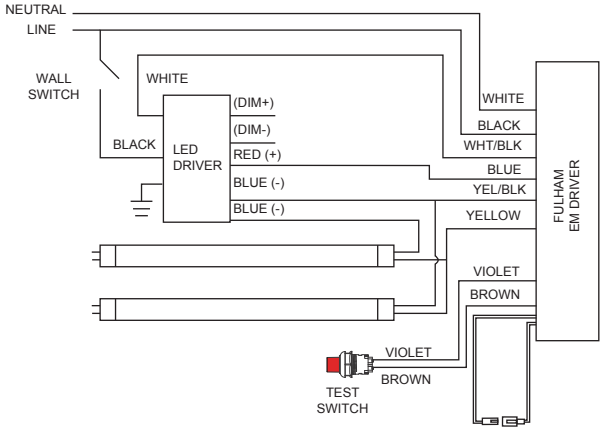
Product	Model	Description	Picture	Dimension
35797	FU10W/T5T8/EXT/EMDRIVER	FHSCP-UNV-10.7WL		
35798	FU13W/T5T8/EXT/EMDRIVER	FHSCP-UNV-13.7WL		
35799	FU17W/T5T8/EXT/EMDRIVER	FHSCP-UNV-17WL		

FULHAM EMERGENCY DRIVER INSTALLATION

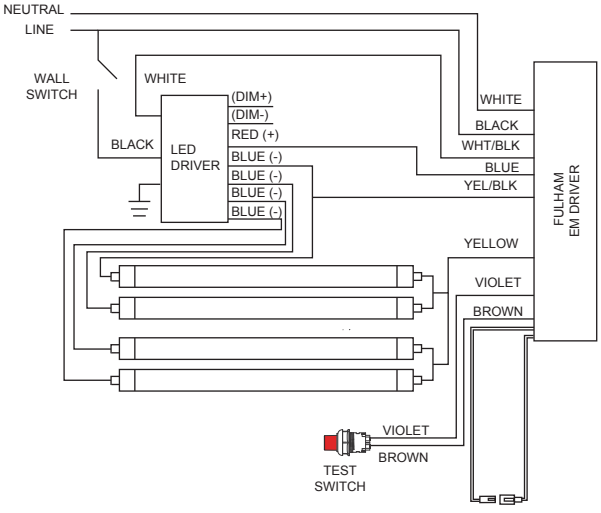
1 LAMP



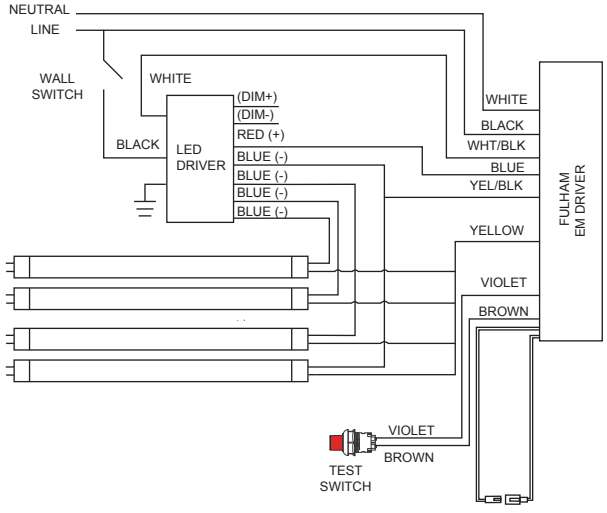
1 LAMP



4 LAMPS

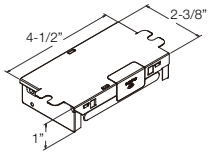
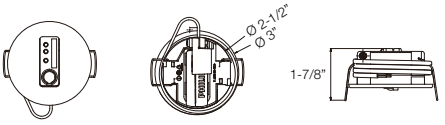
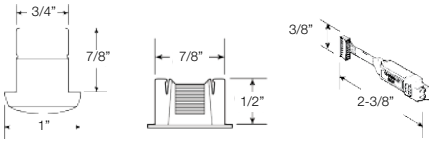
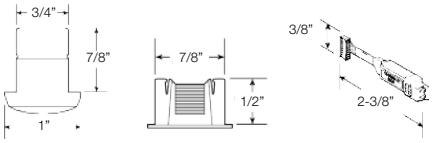
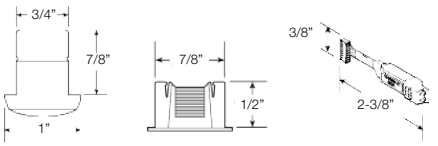
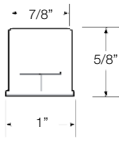


4 LAMPS

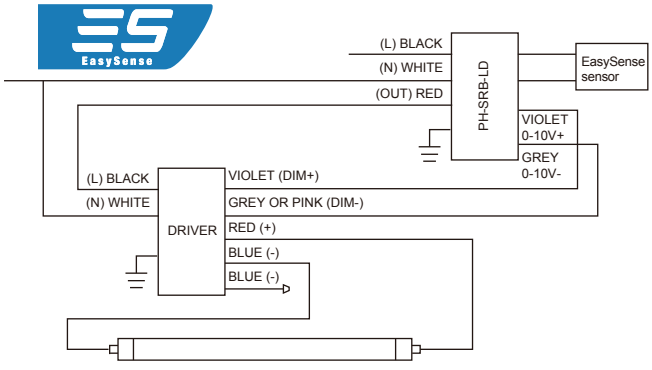


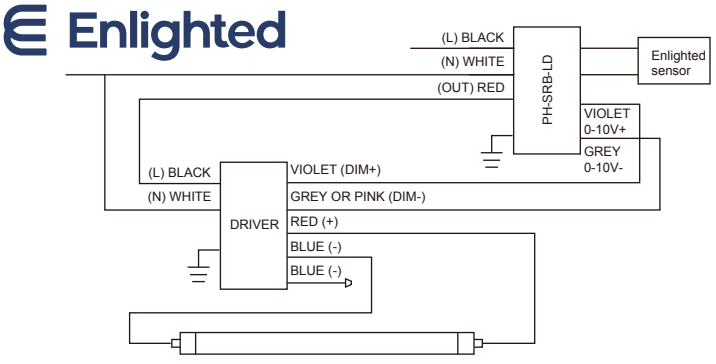
EXTERNAL DRIVER T8

CONTROL ORDERING INFORMATION

Product	Model	Description	Picture	Dimension
98517	PH-SRB-LD	Xitanium SR Bridge - Side Entry - Field installation and Wiring		
98518	PH-SNS2000CMP	Easy Sense Ceiling Mount Sensor (SNS200) - Field installation and Wiring		
KIT-SU-5E-D-CL	KIT-SU-5E-D-CL	Enlighted SU-5E Micro Sensor With 2-Wire Connection, Connected Lighting - Field installation and Wiring		
KIT-SU-5E-D-IL	KIT-SU-5E-D-IL	Enlighted SU-5E Micro Sensor With 2-Wire Connection, Enlighted One - Field installation and Wiring		
KIT-SU-D-IOT	KIT-SU-5-5EE-D-IOT	Enlighted SU-5E Micro Sensor With 2-Wire Connection, IoT Node - Field installation and Wiring		
HCMC-SU-5E	HCMC-SU-5E	Carrier for mounting KI-SU-5E-D Micro sensor in thick materials such as drywalls, ceiling tiles, plywood, etc – Field installation		

COMPATIBLE CONTROL SYSTEMS





EXTERNAL DRIVER T8

DLC KITS REFERENCES

T8 4'				
Model No. (DLC)	Lamp Model	Lamp Qty	External Driver Model	DLC Product ID
14T8/4F/840/EXT/RC/A2	37126 14T8/4F/840/EXT/R	2	98259 15T8T5HEDRIVER/2CH/R	S-58Z3IR
14T8/4F/840/EXT/RC/A3		3	98260 15T8T5HEDRIVER/4CH/R	S-PZB4XT
14T8/4F/840/EXT/RC/A4		4		S-HD7WKE
14T8/4F/850/EXT/RC/A2	37127 14T8/4F/850/EXT/R	2	98259 15T8T5HEDRIVER/2CH/R	S-T24AO3
14T8/4F/850/EXT/RC/A3		3	98260 15T8T5HEDRIVER/4CH/R	S-EGKI4U
14T8/4F/850/EXT/RC/A4		4		S-LMGO9C
14T8/4F/840/EXT/A2/R	98335 14T8/4F/840/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PLJEY782DG5H
14T8/4F/840/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PL577Q8YX12C
14T8/4F/840/EXT/A4/R		4		PL48C1A62CV5
14T8/4F/850/EXT/A2/R	98336 14T8/4F/850/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PL1QQZ0JRVEX
14T8/4F/850/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PLWIB5CH1B3Q
14T8/4F/850/EXT/A4/R		4		PL0O1QHCVCL2
11.5T8/4F/830/EXT/RC/A2	37121 11.5T8/4F/830/EXT/R	2	98259 15T8T5HEDRIVER/2CH/R	S-IFE6Y3
11.5T8/4F/830/EXT/RC/A3		3	98260 15T8T5HEDRIVER/4CH/R	S-RCVEMF
11.5T8/4F/830/EXT/RC/A4		4		S-L145SF
11.5T8/4F/835/EXT/RC/A2	37122 11.5T8/4F/835/EXT/R	2	98259 15T8T5HEDRIVER/2CH/R	S-92UVRO
11.5T8/4F/835/EXT/RC/A3		3	98260 15T8T5HEDRIVER/4CH/R	S-ZAW14Q
11.5T8/4F/835/EXT/RC/A4		4		S-XIZTNB
11.5T8/4F/840/EXT/RC/A2	37123 11.5T8/4F/840/EXT/R	2	98259 15T8T5HEDRIVER/2CH/R	S-FJZM7Y
11.5T8/4F/840/EXT/RC/A3		3	98260 15T8T5HEDRIVER/4CH/R	S-AB78X1
11.5T8/4F/840/EXT/RC/A4		4		S-FQGVEZ
11.5T8/4F/850/EXT/RC/A2	37124 11.5T8/4F/850/EXT/R	2	98259 15T8T5HEDRIVER/2CH/R	S-YNCF86
11.5T8/4F/850/EXT/RC/A3		3	98260 15T8T5HEDRIVER/4CH/R	S-1OLA5T
11.5T8/4F/850/EXT/RC/A4		4		S-QM4D0Y
11.5T8/4F/830/EXT/A2/R	98331 11.5T8/4F/830/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PL2SX5VMBI3V
11.5T8/4F/830/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PL5XI9LML290
11.5T8/4F/830/EXT/A4/R		4		PL56XHSX9YM3
11.5T8/4F/835/EXT/A2/R	98332 11.5T8/4F/835/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PLH64RBZNOEA
11.5T8/4F/835/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PLW2CRRZ7MW3
11.5T8/4F/835/EXT/A4/R		4		PLNP1OT7W2T0
11.5T8/4F/840/EXT/A2/R	98333 11.5T8/4F/840/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PLCLA8S3KCXT
11.5T8/4F/840/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PL9MLMV0UDK7
11.5T8/4F/840/EXT/A4/R		4		PL5VTYLAXX7X
11.5T8/4F/850/EXT/A2/R	98334 11.5T8/4F/850/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PL5ZM032EK83
11.5T8/4F/850/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PL0J7C9IU8WZ
11.5T8/4F/850/EXT/A4/R		4		PLQTXUQNI33X

EXTERNAL DRIVER T8

DLC KITS REFERENCES

T8 3'				
Model No. (DLC)	Lamp Model	Lamp Qty	External Driver Model	DLC Product ID
10.5T8/3F/830/EXT/A2/R	98328 10.5T8/3F/830/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PL74PJLNCZAX
10.5T8/3F/835/EXT/A2/R	98329 10.5T8/3F/835/EXT	2		PLN8BUPRKXUI
10.5T8/3F/840/EXT/A2/R	98330 10.5T8/3F/840/EXT	2		PL8BEF27978O
T8 2'				
Model No. (DLC)	Lamp Model	Lamp Qty	External Driver Model	DLC Product ID
9.5T8/2F/830/EXT/A2/R	98325 9.5T8/2F/830/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PLM8D0P0F40J
9.5T8/2F/830/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PLI2CYURPJJK
9.5T8/2F/830/EXT/A4/R		4		PLTI9O5OYXXP
9.5T8/2F/835/EXT/A2/R	98326 9.5T8/2F/835/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PLGPR73K3M4F
9.5T8/2F/835/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PLAPZOXUMXIT
9.5T8/2F/835/EXT/A4/R		4		PL72NX2CJI0V
9.5T8/2F/840/EXT/A2/R	98327 9.5T8/2F/840/EXT	2	98259 15T8T5HEDRIVER/2CH/R	PLFTE8GCMPQM
9.5T8/2F/840/EXT/A3/R		3	98260 15T8T5HEDRIVER/4CH/R	PLL1ZDVYC90G
9.5T8/2F/840/EXT/A4/R		4		PLZ6P9IX9XET

ORDERING INFORMATION

Product Series	Master Carton			Shipping Carton		
	Case QTY	Case Dimensions（LxWxH)	Case Weight	Case QTY	Case Dimensions（LxWxH)	Case Weight
14T8/4F/8XX/EXT	N.A	N.A	N.A	25	49-1/4" x7-7/8" x 7-7/8"	14.6 lb
14T8/4F/8XX/EXT/R	N.A	N.A	N.A	25	49-1/4" x7-7/8" x 7-7/8"	13.67 lb
11.5T8/4F/8XX/EXT	N.A	N.A	N.A	25	49-1/4" x7-7/8" x 7-7/8"	14.6 lb
11.5T8/4F/8XX/EXT/R	N.A	N.A	N.A	25	49-1/4" x7-7/8" x 7-7/8"	13.67 lb
10.5T8/3F/8XX/EXT	N.A	N.A	N.A	25	37-7/16" x7-7/8" x 7-7/8"	11.24 lb
9.5T8/2F/8XX/EXT	N.A	N.A	N.A	25	25" x 6-1/8" x 5"	5.73 lb
14.5T8U6/8XX/EXT	1	23-5/8" x 8-1/4" x1-3/4"	1.12 lb	12	24-7/16" x 17-1/8" x 10-5/8"	13.45 lb
15T8T5HEDRIVER/SD/2CH	6	9-7/8" x 5-5/8" x 2-3/4"	5.69 lb	24	11-7/8" x 10-5/6" x 6-11/16"	22.82 lb
15T8T5HEDRIVER/SD/4CH	6	9-7/8" x 5-5/8" x 2-3/4"	6.22 lb	24	11-7/8" x 10-5/6" x 6-11/16"	24.69 lb

xx – Refers to the CCT

Note: All rights reserved. All sizes and specifications are subject to change at any time without notice.

EXTERNAL DRIVER T8

COMPATIBILITY WITH FULHAM EMERGENCY DRIVER

Type	FULHAM EM DRIVER / Model No	Lumen output level at EM mode		
		FHSCP-UNV-10.7WL	FHSCP-UNV-13.7WL	FHSCP-UNV-17WL
T8	9.5T8/2F/8XX/EXT	113%	-	-
	10.5T8/3F/8XX/EXT	102%	-	-
	11.5T8/4F/8XX/EXT 11.5T8/4F/xxx/EXT/R	93%	-	-
	14T8/4F/8XX/EXT 14T8/4F/8XX/EXT/R	76%	98%	-
	14.5T8U6/8XX/EXT	74%	94%	117%

EXTENDED WARRANTIES**

Model	Description***
9.5T8/2F/EXT/10YEARWARRANTY	10 Year warranty for 9.5T8/2F/8xx/EXT/yy
10.5T8/3F/EXT/10YEARWARRANTY	10 Year warranty for 10.5T8/3F/8xx/EXT/yy
11.5T8/4F/EXT/10YEARWARRANTY	10 Year warranty for 11.5T8/4F/8xx/EXT/yy
14T8/4F/EXT/10YEARWARRANTY	10 Year warranty for 14T8/4F/8xx/EXT/yy
14.5T8/U6/EXT/10YEARWARRANTY	10 Year warranty for 14.5T8U6/8xx/EXT/yy

** Warranty based on a maximum of 4,368 annual operating hours (per year for ten years) and exposure to a maximum fixture operating temperature of 80°F / 27°C.
*** xx – Refers to the CCT yy – Refers to model generations within the same nominal performance. Typically blank, 'R', or 'RC'