

Project Name:	Type:
Part Number:	Date:

SPECFIT 8"

SPECIFICATION FEATURES

- **Mechanical** - SPECFIT retrofits existing commercial housings. Spring action clips to accommodate 1/2" to 2" ceiling thicknesses. Fixture with remote driver installs and is accessible from below the ceiling.
- **Electrical** - Standard driver option is 120-277V, 50/60 Hz with three selectable lumen outputs using SelectDrive technology. 0-10V dimmable to 5% with low end cutoff. 12V auxiliary port with stand by power functionality for additional dimming and control of field installed sensors and control systems. Additional driver selections include a 120V line voltage dimming option, Lutron Ecosystem 5% and 1% dimming driver options and a Philips EasySense sensor compatible driver option.
- **Optical** - Self flanged spun aluminum reflector. 45° optical cutoff. Field interchangeable optical lenses. Four beam distributions. Wall wash field installed accessory. COB LED binned to 3-step SDCM to ensure color uniformity in 2700K, 3000K, 3500K, 4000K or 5000K CCT. Minimum 90 CRI. 97 CRI available in 3000K only.
- **Thermal** - Die cast heat sink. L70 lifetime of 100,000 hours. Fixture operating temperature: -13°F to +95°F (-25°C to 35°C).
- **Compliance and Warranty** - ETL Classified and Listed for damp locations. 5 year parts warranty for complete fixture.



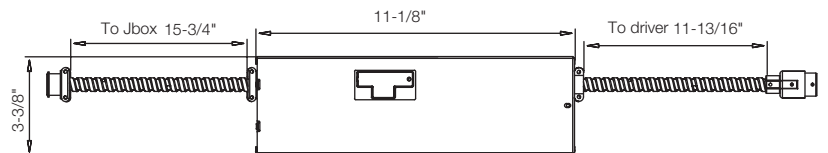
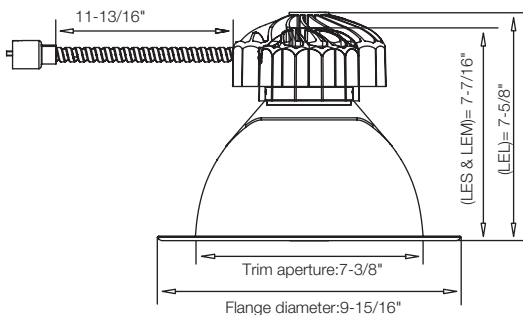
BENEFITS

- Get the right amount of light with SelectDrive technology
- Match ceiling décor with field interchangeable trims
- Direct the light with field interchangeable optics
- Various dimming driver options allow for control and energy savings
- Long 100,000 hours L70 rated lifetime

APPLICATIONS

- Commercial Office
- Hospitality
- Retail
- Educational
- Healthcare

DIMENSIONS



Minimum Ceiling Opening: 7-5/8" Maximum Ceiling Opening: 9-3/16"



SPECFIT 8"

ORDERING EXAMPLE

A complete fixture consists of one light engine and one reflector.

SelectDrive Light Engine: Reflector:	LEM9040DIM010UNVMD ADR8CC	Philips Light Engine W/ EasySense Sensor: Reflector:	LE509030PSRUNVVNES ADR8CW
120V Light Engine: Reflector:	LE209035DIM120VWD ADR8CC	Lutron EcoSystem Light Engine: Reflector:	LE159027LUT5UNVNR ADR8WH

ORDERING INFORMATION

SelectDrive Light Engines

Light Engine	CRI	CCT	Driver	Optical Distribution	Options ⁷
<input type="checkbox"/> LES Small Light Engine 500-700-1000 lumens	<input type="checkbox"/> 90 90+CRI	<input type="checkbox"/> 27 2700K	<input type="checkbox"/> DIM010UNV¹ SelectDrive 120-277V, 50/60Hz 0-10V Dimmable to 5%	<input type="checkbox"/> MD² Medium (Installed Standard) 60° Beam angle	<input type="checkbox"/> SD347 347V - 240V Step Down Transformer
<input type="checkbox"/> LEM Medium Light Engine 1500-2000-2500 lumens	<input type="checkbox"/> 97³ 97 CRI 3000K only	<input type="checkbox"/> 30 3000K		<input type="checkbox"/> VN Very Narrow 25° Beam angle	<input type="checkbox"/> SD480 480V - 240V Step Down Transformer
<input type="checkbox"/> LEL Large Light Engine 3000-4000-5000 lumens		<input type="checkbox"/> 35 3500K		<input type="checkbox"/> NR Narrow 40° Beam angle	<input type="checkbox"/> EM⁴ Emergency Backup
		<input type="checkbox"/> 40 4000K		<input type="checkbox"/> WD Wide 75° Beam angle	
		<input type="checkbox"/> 50 5000K			

Fixed Output Light Engines

Light Engine	CRI	CCT	Driver	Optical Distribution	Options ⁷
<input type="checkbox"/> LE05⁸ <input type="checkbox"/> LE07 500 lumens 700 lumens	<input type="checkbox"/> 90 90+CRI	<input type="checkbox"/> 27 2700K	<input type="checkbox"/> DIM120V 120V Dimmable, 120V	<input type="checkbox"/> MD² Medium (Installed Standard) 60° Beam angle	<input type="checkbox"/> SD347 347V - 240V Step Down Transformer
<input type="checkbox"/> LE10 <input type="checkbox"/> LE15 1000 lumens 1500 lumens	<input type="checkbox"/> 97³ 97 CRI 3000K only	<input type="checkbox"/> 30 3000K	<input type="checkbox"/> PSRUNV 0-10V Driver + SR Ready Bridge, 120-277V	<input type="checkbox"/> VN Very Narrow 25° Beam angle	<input type="checkbox"/> SD480 480V - 240V Step Down Transformer
<input type="checkbox"/> LE20 <input type="checkbox"/> LE25 2000 lumens 2500 lumens		<input type="checkbox"/> 35 3500K	<input type="checkbox"/> LUT-1UNV Lutron EcoSystem 1% Dimming, 120-277V	<input type="checkbox"/> NR Narrow 40° Beam angle	<input type="checkbox"/> EM⁴ Emergency Backup
<input type="checkbox"/> LE30 <input type="checkbox"/> LE40 3000 lumens 4000 lumens		<input type="checkbox"/> 40 4000K	<input type="checkbox"/> LUT-5UNV Lutron EcoSystem 5% Dimming, 120-277V	<input type="checkbox"/> WD Wide 75° Beam angle	<input type="checkbox"/> ES⁵ Philips EasySense ceiling mount sensor
<input type="checkbox"/> LE50⁹ 5000 lumens		<input type="checkbox"/> 50 5000K			<input type="checkbox"/> ENLS⁶ Enlighted Two Wire Compact Sensor


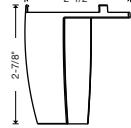


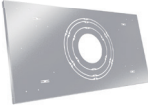
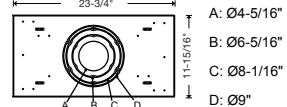
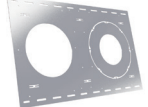
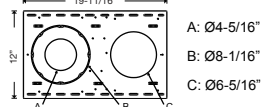

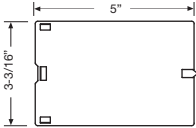
Reflectors

Shape	Finish
<input type="checkbox"/> ADR8 8" Round Reflector	<input type="checkbox"/> CC Clear Diffuse Trim and Flange <input type="checkbox"/> WH Matte White Trim and Flange
	<input type="checkbox"/> CW Clear Diffuse Trim, White Flange

¹ Dims to 5% with low end cutoff. Dimmer compatibility available on website / ² Medium Lens Optic comes installed as standard, if other optic distribution selected the lens will ship separately and require field installation / ³ 97 CRI is available in 3000K only and is not Energy Star rated. It is made to order (MTO) for the lumen values of 3000 and above, including the LEL light engine. / ⁴ EM cannot be combined with SD347 or SD480 option / ⁵ Philips EasySense ceiling mounted sensor is only available with the PSRUNV driver / ⁶ Enlighted Two Wire Compact Sensor with ceiling mount is only available with the PSRUNV driver. / ⁷ Options are factory installed and come with the Light Engine and Driver / ⁸ LE05 is not available with LUT-5UNV / ⁹ LE50 is not available with LUT-5UNV and LUT-1UNV.



SPECFIT 8"

ACCESSORY ORDERING INFORMATION				
Product	Model	Description	Pictures	Dimensions
98079	ADWAW	Wall Wash (Field Installed on Module)		
98567	GOOFRING8	8" Goof Ring - Outer Diameter 12-1/2"		
98501	NCPLATE/T4689	New Construction Plate for T-Grid ceilings		 A: Ø4-5/16" B: Ø6-5/16" C: Ø8-1/16" D: Ø9"
98502	NCPLATE468	New Construction Plate for Stud/Joist ceilings		 A: Ø4-5/16" B: Ø8-1/16" C: Ø6-5/16"
98583	NCPLATEJB	Junction box for New Construction Plates		



SPECFIT 8"

TECHNICAL INFORMATION

Light Engine	Input Voltage	Input Frequency	Input Current	Input Power	THD Power	Power Factor
LESXXX	120 / 277V	50 / 60Hz	0.115 / 0.047A	13W	<20%	>0.9
LEMXXX	120 / 277V	50 / 60Hz	0.270 / 0.114A	31.5W	<20%	>0.9
LELXXX	120 / 277V	50 / 60Hz	0.530 / 0.217A	60W	<20%	>0.9
LE05XXX	120V	50 / 60Hz	0.056A	6.5W	<20%	>0.9
LE07XXX	120V	50 / 60Hz	0.073A	8.5W	<20%	>0.9
LE10XXX	120V	50 / 60Hz	0.112A	13W	<20%	>0.9
LE15XXX	120V	50 / 60Hz	0.154A	18W	<20%	>0.9
LE20XXX	120V	50 / 60Hz	0.218A	25.5W	<20%	>0.9
LE25XXX	120V	50 / 60Hz	0.269A	31.5W	<20%	>0.9
LE30XXX	120V	50 / 60Hz	0.318A	37.5W	<20%	>0.9
LE40XXX	120V	50 / 60Hz	0.411A	48.5W	<20%	>0.9
LE50XXX	120V	50 / 60Hz	0.487A	57.5W	<20%	>0.9

NOMINAL PERFORMANCE

LES (LE05 / LE07 / LE10) - Low / Medium / High - 6.5 / 8.5 / 12.5W

CCT	2700K			3000K			3500K			4000K			5000K		
	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
Output**	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW
Finish	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW
Clear Diffuse	500 77	700 82	1000 80	525 81	735 86	1050 84	550 85	770 91	1100 88	575 88	805 95	1150 92	580 89	810 95	1165 93
White	495 76	693 82	990 79	520 80	728 86	1040 83	545 84	762 90	1089 87	569 88	797 94	1139 91	574 88	802 94	1153 92
Black	440 68	616 72	880 70	462 71	647 76	924 74	484 74	678 80	968 77	506 78	708 83	1012 81	510 78	714 84	1015 81

LEM (LE15 / LE20 / LE25) - Low / Medium / High - 18.0 / 25.5 / 31.5W

CCT	2700K			3000K			3500K			4000K			5000K		
	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
Output**	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW
Finish	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW
Clear Diffuse	1600 89	2125 83	2500 79	1632 91	2169 85	2550 81	1664 92	2210 87	2600 83	1696 94	2253 88	2650 84	1713 95	2275 89	2677 85
White	1584 88	2104 82	2475 78	1616 90	2147 84	2525 80	1647 91	2188 86	2574 82	1679 93	2230 87	2624 83	1696 94	2252 88	2650 84
Black	1408 78	1870 73	2200 70	1436 80	1909 75	2244 71	1464 81	1945 77	2288 73	1492 83	1983 77	2332 74	1507 84	2002 79	2355 75

LEL (LE30 / LE40 / LE50) - Low / Medium / High - 37.5 / 48.5 / 60.0W

CCT	2700K			3000K			3500K			4000K			5000K		
	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
Output**	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW
Finish	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW	Im LPW
Clear Diffuse	3325 89	4085 84	4750 79	3360 90	4080 84	4800 80	3500 93	4250 88	5000 83	3640 97	4420 91	5200 87	3640 97	4420 91	5200 87
White	3292 88	4044 83	4703 78	3326 89	4039 83	4752 79	3465 92	4208 87	4950 82	3604 96	4376 90	5148 86	3604 96	4376 90	5148 86
Black	2826 78	3472 71	4038 67	2856 77	3468 71	4080 68	2975 79	3613 75	4250 71	3094 82	3757 77	4420 74	2829 75	3757 77	4420 74

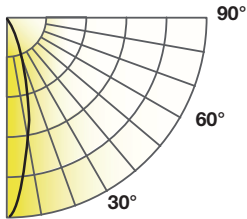
** Lumen output are based on rated lumens, for exact value please refer to the IES files



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PHOTOMETRY

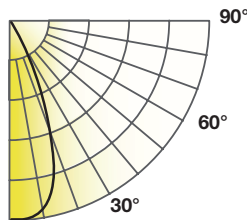
LES9035-DIM010-UNV-VN-ADR8CC



Lumens: 1239 lm
Power: 12.49 W
Efficacy: 99.23 lm/W
CRI: 90+
Spacing Criteria: 0.42
Beam Angle: 25.7°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	2617	4	276	1.8	0-30	1135	92%
20	1156	6	123	2.7	0-40	1223	99%
30	322	8	69	3.6	0-60	1238	100%
40	32	10	44	4.5	0-90	1239	100%
50	3	12	31	5.5			
60	1						
70	0						
80	0						
90	0						

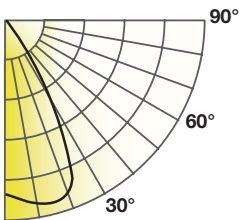
LES9035-DIM010-UNV-NR-ADR8CC



Lumens: 1233 lm
Power: 12.2 W
Efficacy: 101 lm/W
CRI: 90+
Spacing Criteria: 0.6
Beam Angle: 44°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	2250	4	140	3.1	0-30	1103	89%
20	1464	6	62	4.7	0-40	1220	99%
30	472	8	35	6.2	0-60	1232	100%
40	45	10	22	7.8	0-90	1233	100%
50	3	12	16	9.3			
60	1						
70	0						
80	0						
90	0						

LES9035-DIM010-UNV-MD-ADR8CC



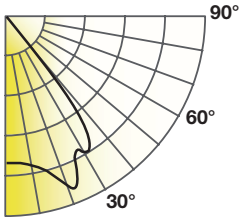
Lumens: 1240 lm
Power: 12.4 W
Efficacy: 100 lm/W
CRI: 90+
Spacing Criteria: 0.9
Beam Angle: 63°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	2250	8	82	4.2	0-30	1103	89%
20	1464	10	36	6.3	0-40	1220	99%
30	472	12	20	8.4	0-60	1232	100%
40	45	15	13	10.4	0-90	1240	100%
50	3	20	9	12.5			
60	1						
70	0						
80	0						
90	0						

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PHOTOMETRY

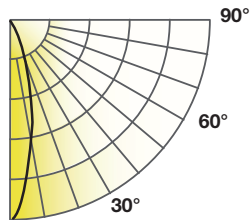
LES9035-DIM010-UNV-WD-ADR8CC



Lumens: 1260 lm
 Power: 12.3 W
 Efficacy: 102 lm/W
 CRI: 90+
 Spacing Criteria: 1.2
 Beam Angle: 63°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	759	4	59	6.0	0-30	681	54%
20	739	6	26	9.0	0-40	1153	92%
30	936	8	15	12.1	0-60	1257	100%
40	477	10	9	15.1	0-90	1260	100%
50	10	12	7	18.1			
60	3						
70	1						
80	0						
90	0						

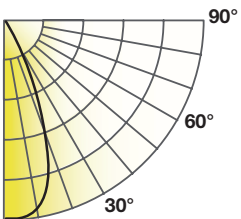
LEM9035-DIM010-UNV-VN-ADR8CC



Lumens: 2566 lm
 Power: 30.9 W
 Efficacy: 83 lm/W
 CRI: 90+
 Spacing Criteria: 0.4
 Beam Angle: 25°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	5592	4	601	1.7	0-30	2357	92%
20	2178	6	267	2.6	0-40	2533	99%
30	635	8	150	3.4	0-60	2562	100%
40	88	10	96	4.3	0-90	2566	100%
50	12	12	67	5.2			
60	4						
70	1						
80	0						
90	0						

LEM9035-DIM010-UNV-NR-ADR8CC



Lumens: 2582 lm
 Power: 30.9 W
 Efficacy: 83 lm/W
 CRI: 90+
 Spacing Criteria: 0.665
 Beam Angle: 42°

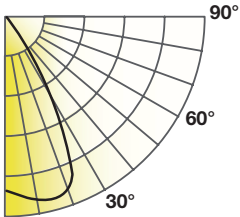
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Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	5087	8	305	2.9	0-30	2326	90%
20	2558	10	136	4.3	0-40	2554	99%
30	921	12	76	5.8	0-60	2577	100%
40	86	15	49	7.2	0-90	2582	100%
50	7	20	34	8.7			
60	2						
70	1						
80	0						
90	0						



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PHOTOMETRY

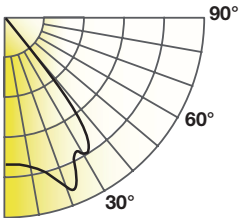
LEM9035-DIM010-UNV-MD-ADR8CC



Lumens: 2548 lm
 Power: 31.3 W
 Efficacy: 81 lm/W
 CRI: 90+
 Spacing Criteria: 0.9
 Beam Angle: 63°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	2648	4	167	3.7	0-30	2024	79%
20	2601	6	74	5.5	0-40	2487	98%
30	1307	8	42	7.3	0-60	2543	100%
40	343	10	27	9.1	0-90	2548	100%
50	10	12	19	11.0			
60	3						
70	1						
80	0						
90	0						

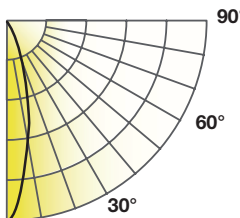
LEM9035-DIM010-UNV-WD-ADR8CC



Lumens: 2567 lm
 Power: 31.3 W
 Efficacy: 82 lm/W
 CRI: 90+
 Spacing Criteria: 1.2
 Beam Angle: 82°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	1524	4	118	6.4	0-30	1308	51%
20	1416	6	53	9.7	0-40	2312	90%
30	2054	8	30	13.0	0-60	2558	100%
40	1056	10	19	16.2	0-90	2567	100%
50	29	12	13	19.4			
60	9						
70	4						
80	1						
90	0						

LEL9035-DIM010-UNV-VN-ADR8CC



Lumens: 4767 lm
 Power: 60.8 W
 Efficacy: 78 lm/W
 CRI: 90+
 Spacing Criteria: 0.5
 Beam Angle: 32°

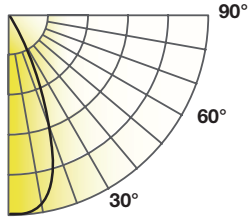
Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	793	4	175	4.6	0-30	4068	85%
20	465	6	112	5.8	0-40	4612	91%
30	238	8	78	6.9	0-60	5038	99%
40	21	10	50	8.7	0-90	4767	100%
50	3	12	28	11.5			
60	1						
70	0						
80	0						
90	0						



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PHOTOMETRY

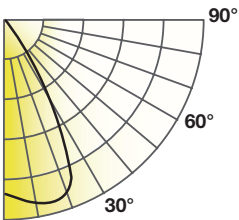
LEL9035-DIM010-UNV-NR-ADR8CC



Lumens: 4885 lm
Power: 60.4 W
Efficacy: 81 lm/W
CRI: 90+
Spacing Criteria: 0.7
Beam Angle: 44°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	7456	8	145	6.4	0-30	4068	85%
20	5085	10	93	8.0	0-40	4666	98%
30	2031	12	64	9.6	0-60	4751	100%
40	202	15	41	12.0	0-90	4885	100%
50	19	20	23	15.9			
60	7						
70	3						
80	1						
90	0						

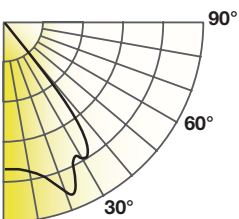
LEL9035-DIM010-UNV-MD-ADR8CC



Lumens: 5041 lm
Power: 60.4 W
Efficacy: 83 lm/W
CRI: 90+
Spacing Criteria: 0.8
Beam Angle: 52°

Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	6036	4	109	7.7	0-30	3698	73%
20	4389	6	70	9.6	0-40	4897	97%
30	3080	8	48	11.5	0-60	5028	100%
40	891	10	31	14.4	0-90	5041	100%
50	23	12	17	19.2			
60	8						
70	3						
80	1						
90	0						

LEL9035-DIM010-UNV-WD-ADR8CC



Lumens: 5064 lm
Power: 60.8 W
Efficacy: 83 lm/W
CRI: 90+
Spacing Criteria: 1.1
Beam Angle: 72°

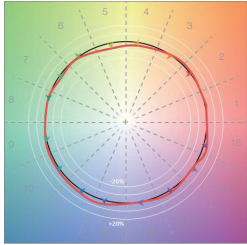
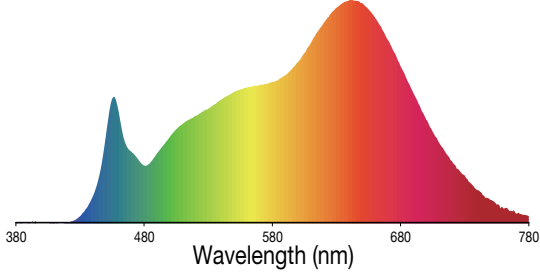
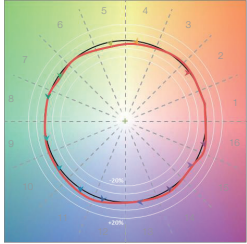
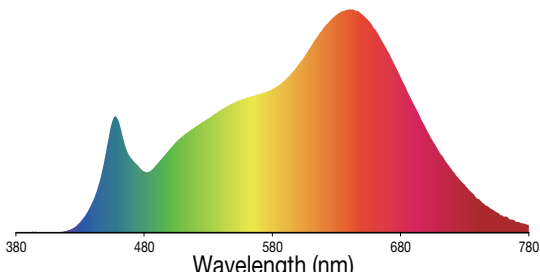
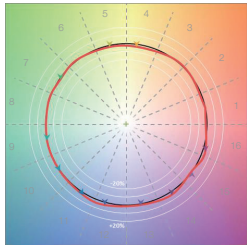
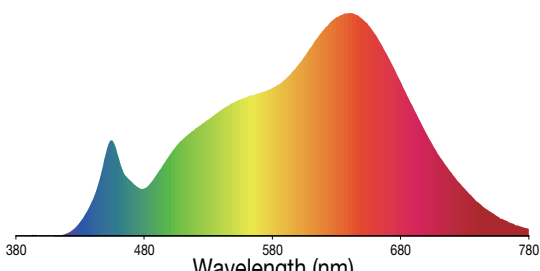
Candlepower Distribution		Initial Footcandles			Zonal Lumen Summary		
Angle (°)	Average (cd)	Height (ft)	Fc	Diameter (ft)	Zone	Lumens	%Fixt
10	3951	8	69	11.7	0-30	3151	62%
20	3789	10	44	14.6	0-40	4680	92%
30	3288	12	31	17.5	0-60	5042	100%
40	1604	15	20	21.9	0-90	5064	100%
50	55	20	11	29.2			
60	18						
70	8						
80	3						
90	0						



SPECFIT 8"

COLOR ACCURACY & SPECTRAL DISTRIBUTION FOR 97 CRI WITH TRUE CHROMA



CCT	COLOR ACCURACY	SPECTRAL POWER DISTRIBUTION
LES9730DIM010UNVMD	 <p>Rr: 93, Rg: 101</p>	 <p>Wavelength (nm)</p>
LEM9730DIM010UNVMD	 <p>Rr: 94, Rg: 101</p>	 <p>Wavelength (nm)</p>
LEL9730DIM010UNVMD	 <p>Rr: 95, Rg: 101</p>	 <p>Wavelength (nm)</p>

Rf: TM-30 metric measuring color fidelity (whether colors are similar to those under natural light). Rf is a more accurate version of the CRI Ra. Rf is 100 for natural light.
 Rg: TM-30 metric measuring color gamut (whether colors are more saturated than under natural light). Rg is 100 for natural light.