

R-XSR

X-SERIES | XM24

RETROFIT RECESSED MULTIPLE

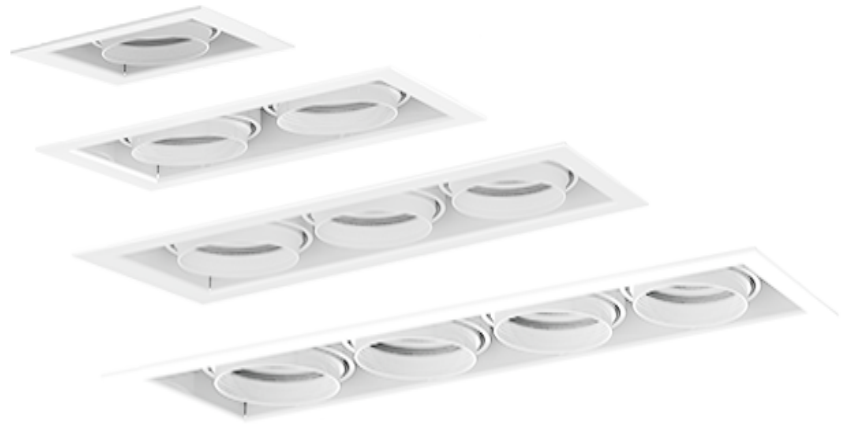
SOLAIS®

PROJECT _____

TYPE _____

SPECIFICATION _____

- Upgrade to modular Solais multiples without complicated re-installation
- **Replacement for:**
 - Amerlux Hornet LED (AH)
 - Amerlux Cylindrix CMH (AC1)
 - Amerlux Cylindrix III Mini LED (ACM)
 - Amerlux Hornet Trimless (AHT)
- 120 V
- 0-10 V*, Triac and ELV dimming
- 50,000 Hours (L70)
- Integrated driver
- RoHs-compliant
- Dry location rating
- Certified to UL Standards
- Contain no lead or mercury
- Non-IC Rated. Insulation must be kept 3" from sides and 1" above housing
- VioLight and *MonoWhite color rendering enhancements available
- *90+ High CRI available. To order, replace 'K' in CCT designation with 'h' in ordering code.



R-XSR11

X-SERIES | XM24 | 1-HEAD
RETROFIT RECESSED MULTIPLE

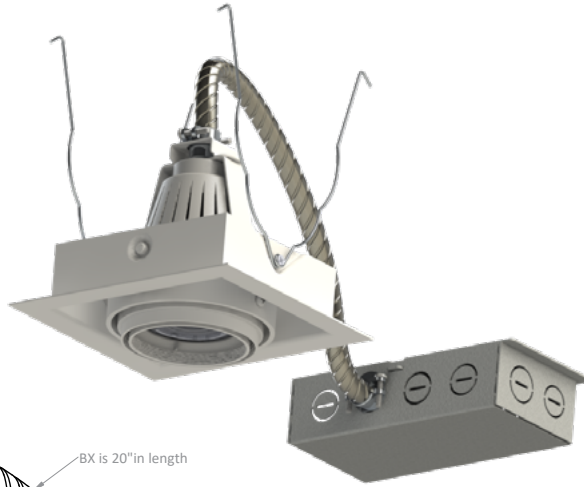
SOLAIS®

PROJECT

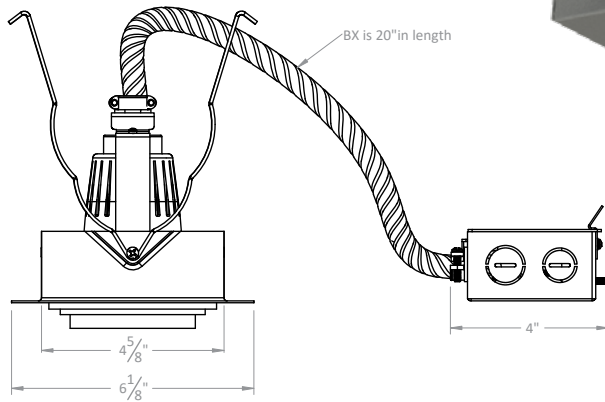
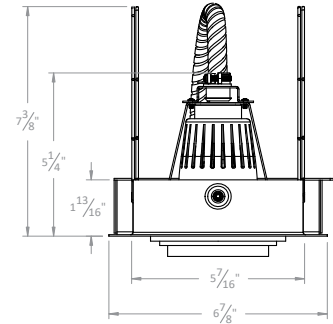
TYPE

SPECIFICATION

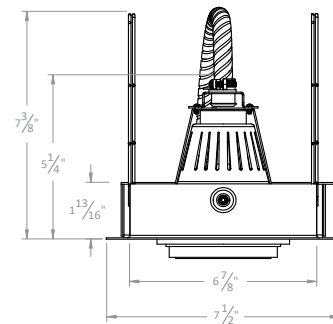
■ All Types



- Type: AC1, ACM, AH
- Weight without module: 2.5 lb



- Type: AHT
- Weight without module: 2.5 lb



Ordering Information

Example: R-XSR11/ACM/Xm24/25/30K/2400/WH/WH/SL

Fixture	Type	Module	Beam Spread	CCT / Lumens	Options + Accessories
R-XSR11	AC1 ACM AH AHT	Xm24	COB-optic	25K* / 1400 27K / 1550 30K / 1600 30m* / 1600 35K* / 1600 35m* / 1600 40K* / 1600 25K* / 2000 27K / 2000 30K / 2000 30m* / 2000 35K* / 2000 35m* / 2000 40K* / 2000	Module Options HL - Honeycomb Louver SL - Linear Spread SP - Prismatic Spread More Accessories Available Fixture Options 010 - 0-10 V Dimming* EM - Emergency Backup Microinverter*
			Multi-optic	30v / 1850 27K / 2300 30K / 2400 35K* / 2400 40K* / 2400 27K / 3000 30K / 3000 35K* / 3000 40K* / 3000	Trim Finish Die-cast, Powder Coated WH / WH - White Module, Interior + Flange BK / BK - Black Module, Interior + Flange BK / WH* - Black Module + Interior, White Flange PW / PW* - Perfect White Module, Interior + Flange BK / PW* - Black Module + Interior, Perfect White Flange



*Consult factory for lead time and availability

R-XSR12

X-SERIES | XM24 | 2-HEAD
RETROFIT RECESSED MULTIPLE

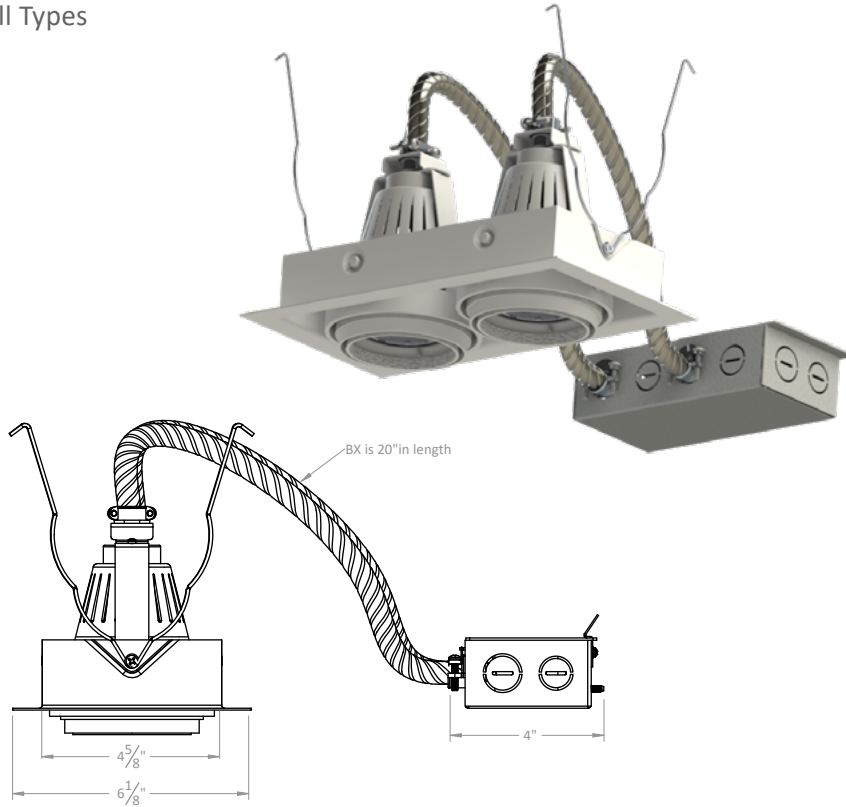
SOLAIS®

PROJECT

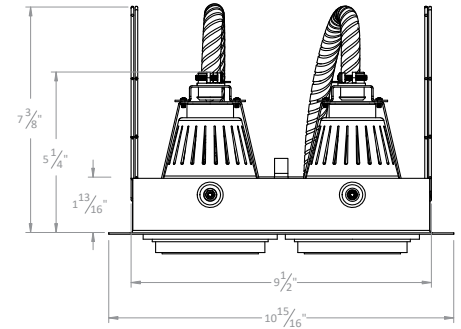
TYPE

SPECIFICATION

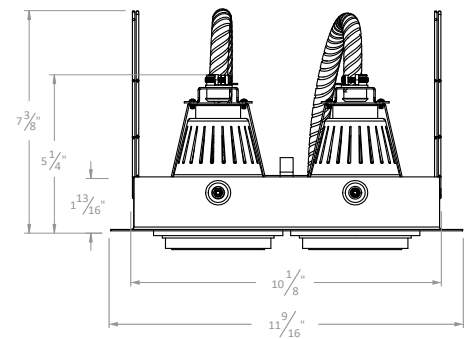
■ All Types



- Type: AC1, ACM, AH
- Weight without module: 3.5 lb



- Type: AHT
- Weight without module: 3.5 lb



Ordering Information

Example: R-XSR12/ACM/Xm24/25-25/30K/2400/WH/WH/SL-SL

					1		-		2	
					/		/		/	
Fixture	Type	Module	Beam Spread	CCT / Lumens		Options + Accessories				
R-XSR12	AC1	Xm24	COB-optic	25K*	1400	Module Options				
	ACM		15c	27K	1550	HL - Honeycomb Louver				
	AH		25c	30K	1600	SL - Linear Spread				
	AHT		40c	30m*	1600	SP - Prismatic Spread				
			60c	35K*	1600	More Accessories Available				
				35m*	1600	Fixture Options				
				40K*	1600	010 - 0-10 V Dimming*				
				25K*	2000	EM - Emergency Backup Microinverter*				
				27K	2000					
				30K	2000	Trim Finish				
				30m*	2000	Die-cast, Powder Coated				
				35K*	2000	WH / WH - White Module, Interior + Flange				
				35m*	2000	BK / BK - Black Module, Interior + Flange				
				40K*	2000	BK / WH* - Black Module + Interior, White Flange				
						PW / PW* - Perfect White Module, Interior + Flange				
						BK / PW* - Black Module + Interior, Perfect White Flange				
			Multi-optic	30v	1850					
			15	27K	2300					
			25	30K	2400					
			40	35K*	2400					
			60	40K*	2400					
				27K	3000					
				30K	3000					
				35K*	3000					
				40K*	3000					



*Consult factory for lead time and availability

R-XSR13

X-SERIES | XM24 | 3-HEAD
RETROFIT RECESSED MULTIPLE

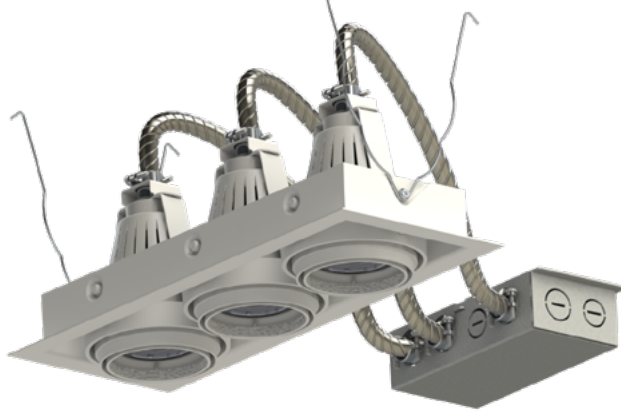
SOLAIS®

PROJECT

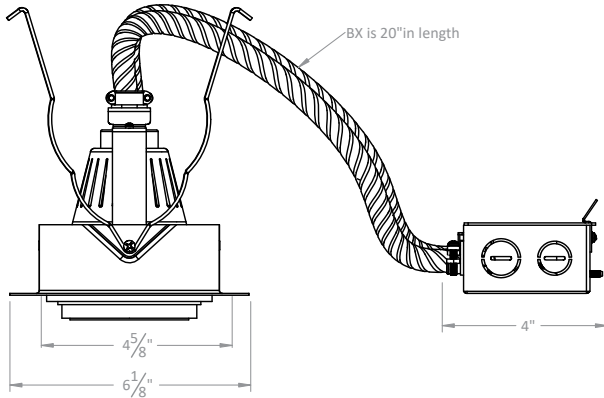
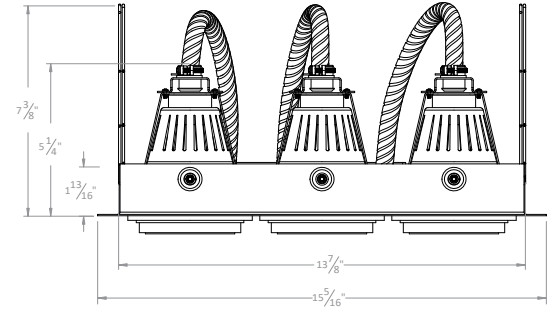
TYPE

SPECIFICATION

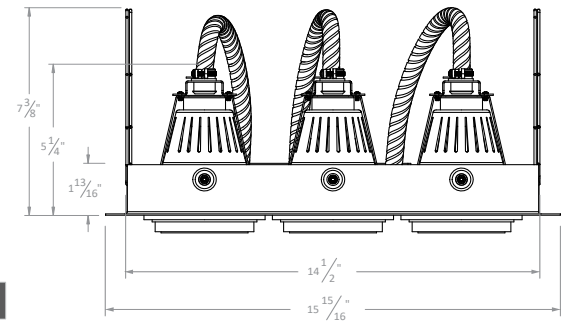
■ All Types



- Type: AC1, ACM, AH
- Weight without module: 5 lb



- Type: AHT
- Weight without module: 4.5 lb



Ordering Information

Example: R-XSR13/ACM/Xm24/25-25-25/30K/2400/WH/WH/SL-SL-SL

1 - 2 - 3

1 - 2 - 3

Fixture	Type	Module	Beam Spread	CCT / Lumens	Options + Accessories
R-XSR13	AC1 ACM AH AHT	Xm24	COB-optic	25K* / 1400 27K / 1550 30K / 1600 30m* / 1600 35K* / 1600 35m* / 1600 40K* / 1600	Module Options HL - Honeycomb Louver SL - Linear Spread SP - Prismatic Spread More Accessories Available
			60c	25K* / 2000 27K / 2000 30K / 2000 30m* / 2000 35K* / 2000 35m* / 2000 40K* / 2000	Fixture Options 010 - 0-10 V Dimming* EM - Emergency Backup Microinverter*
			Multi-optic	30v / 1850	Trim Finish Die-cast, Powder Coated WH / WH - White Module, Interior + Flange BK / BK - Black Module, Interior + Flange BK / WH* - Black Module + Interior, White Flange PW / PW* - Perfect White Module, Interior + Flange BK / PW* - Black Module + Interior, Perfect White Flange
			15	27K / 2300	
			25	30K / 2400	
			40	35K* / 2400 40K* / 2400 27K / 3000 30K / 3000 35K* / 3000 40K* / 3000	



*Consult factory for lead time and availability

R-XSR14

X-SERIES | XM24 | 4-HEAD
RETROFIT RECESSED MULTIPLE

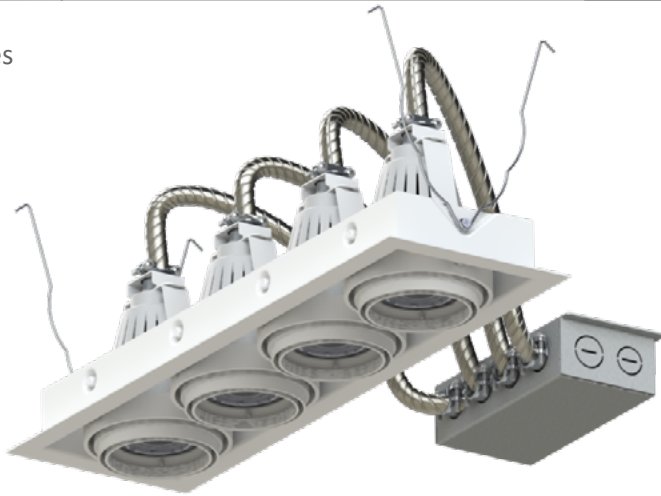
SOLAIS®

PROJECT

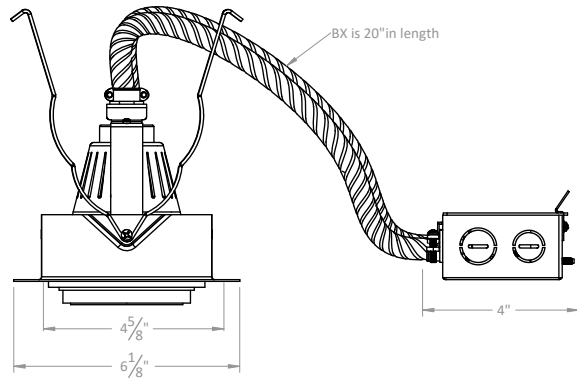
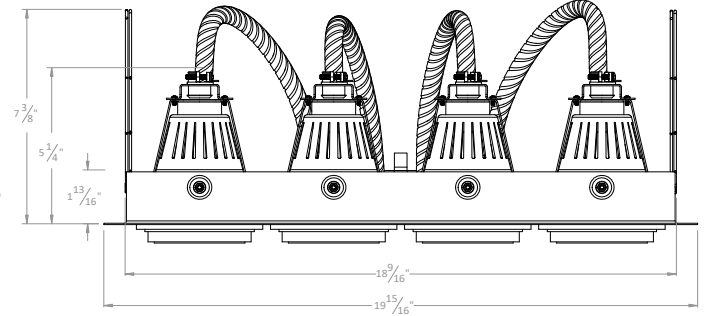
TYPE

SPECIFICATION

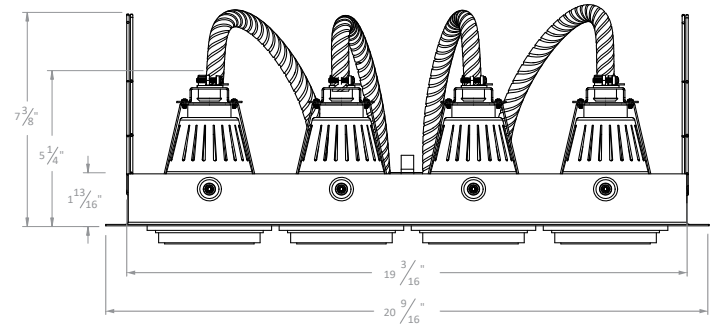
■ All Types



- Type: AC1, ACM, AH
- Weight without module: 6 lb



- Type: AHT
- Weight without module: 5.5 lb



Ordering Information

Example: R-XSR14/ACM/Xm24/25-25-25-25/30K/1600/WH/WH/SL-SL-SL-SL

1 - 2 - 3 - 4 1 - 2 - 3 - 4

Fixture	Type	Module	Beam Spread	CCT / Lumens	Options + Accessories
R-XSR14	AC1 ACM AH AHT	Xm24	COB-optic	25K* / 1400	Module Options
			15c	27K / 1550	HL - Honeycomb Louver
			25c	30K / 1600	SL - Linear Spread
			40c	30m* / 1600	SP - Prismatic Spread
			60c	35K* / 1600	More Accessories Available
				35m* / 1600	Fixture Options
				40K* / 1600	010 - 0-10 V Dimming*
				25K* / 2000	EM - Emergency Backup Microinverter*
				27K / 2000	
				30K / 2000	
				30m* / 2000	
				35K* / 2000	
				35m* / 2000	
				40K* / 2000	
				30v / 1850	
			Multi-optic	27K / 2300	
			15	30K / 2400	
			25	35K* / 2400	
			40	40K* / 2400	
				27K / 3000	
				30K / 3000	
				35K* / 3000	
				40K* / 3000	

Trim Finish

Die-cast, Powder Coated
WH / WH - White Module, Interior + Flange
BK / BK - Black Module, Interior + Flange
BK / WH* - Black Module + Interior, White Flange
PW / PW* - Perfect White Module, Interior + Flange
BK / PW* - Black Module + Interior, Perfect White Flange



*Consult factory for lead time and availability

PHOTOMETRIC DETAILS | baseline **X** output multiplier **X** cri-cct multiplier = final output

COB OPTIC: Baseline data for 22 W, 2000 lumens, 80+ CRI, 3000K

Xm24/15c/30K/2000

Input Power:	22.5 W
Lumens:	1868 lm
Efficacy:	82.9 lm/W
Beam Angle:	19.2°
Field Angle:	49.1°

Xm24/25c/30K/2000

Input Power:	21.9 W
Lumens:	2200 lm
Efficacy:	100.3 lm/W
Beam Angle:	23.9°
Field Angle:	59.8°

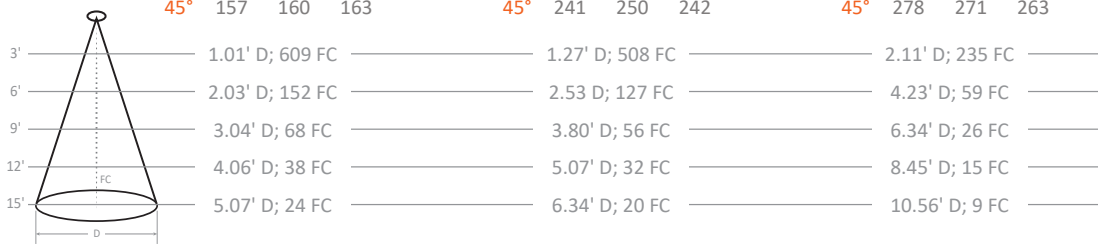
Xm24/40c/30K/2000

Input Power:	22.2 W
Lumens:	2013 lm
Efficacy:	90.9 lm/W
Beam Angle:	38.8°
Field Angle:	85.9°

∠	0°	45°	90°
0°	7831	7831	7831
5°	6438	6425	6339
10°	3671	3628	3524
15°	1830	1823	1789
20°	1088	1090	1069
25°	726	736	709
30°	501	516	496
35°	342	353	344
40°	233	238	236
45°	157	160	163

∠	0°	45°	90°
0°	6529	6529	6529
5°	5797	5759	5621
10°	4014	3962	3803
15°	2347	2286	2202
20°	1369	1344	1311
25°	904	894	874
30°	646	642	628
35°	458	465	453
40°	332	341	331
45°	241	250	242

∠	0°	45°	90°
0°	3023	3023	3023
5°	2893	2871	2848
10°	2530	2476	2437
15°	2026	1961	1911
20°	1511	1447	1402
25°	1073	1023	987
30°	749	716	690
35°	527	507	491
40°	380	368	357
45°	278	271	263



MULTI-OPTIC: Baseline data for 26 W, 2400 lumens, 80+ CRI, 3000K

Xm24/15/30K/2400

Input Power:	26.4 W
Lumens:	2636 lm
Efficacy:	100.0 lm/W
Beam Angle:	14.8°
Field Angle:	26.1°

Xm24/25/30K/2400

Input Power:	26.4 W
Lumens:	2573 lm
Efficacy:	97.4 lm/W
Beam Angle:	27.2°
Field Angle:	48.4°

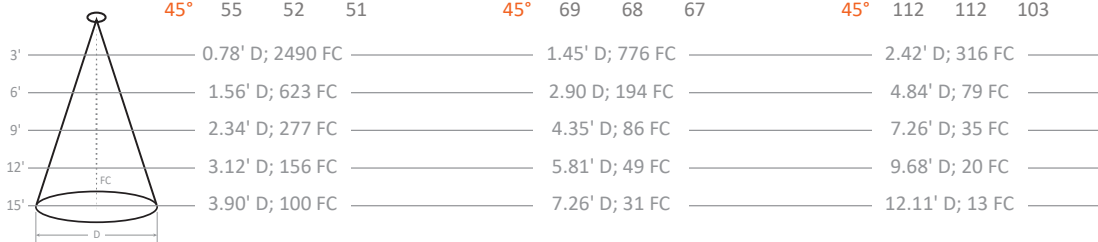
Xm24/40/30K/2400

Input Power:	26.4 W
Lumens:	2385 lm
Efficacy:	90.5 lm/W
Beam Angle:	44.0°
Field Angle:	71.7°

∠	0°	45°	90°
0°	32012	32012	32012
5°	23079	22740	22414
10°	7807	8170	8147
15°	1905	1732	1527
20°	642	512	463
25°	268	253	255
30°	157	151	150
35°	99	91	89
40°	72	66	62
45°	55	52	51

∠	0°	45°	90°
0°	9977	9977	9977
5°	9134	9161	9195
10°	6880	6928	6963
15°	4125	4130	4112
20°	1967	1951	1931
25°	824	797	783
30°	367	340	323
35°	191	172	164
40°	111	103	99
45°	69	68	67

∠	0°	45°	90°
0°	4057	4057	4057
5°	4083	3943	3829
10°	3913	3706	3506
15°	3452	3328	3021
20°	2599	2596	2302
25°	1651	1710	1532
30°	913	969	889
35°	456	488	459
40°	221	238	225
45°	112	112	103



OUTPUT MULTIPLIER

Package	Optic	Multiplier
18 W 1600 lm Xm24 COB	15°	0.80
	25°	0.80
	40°	0.79

CRI-CCT MULTIPLIER

CRI	CCT	Multiplier
8 (80+)	2200K	0.86
	2500K	0.91
	2700K	0.96
	3000K	1.00
	3500K	1.03
	4000K	1.05
9 (90+)	2200K	0.70
	2500K	0.77
	2700K	0.83
	3000K	0.86
	3500K	0.89
	4000K	0.91
M (MonoWhite)	3000K	0.86
	3500K	0.88
V (VioLight)	3000K	0.89

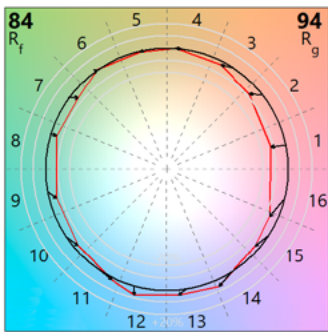
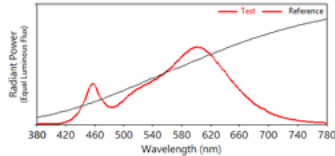
OUTPUT MULTIPLIER

Package	Optic	Multiplier
20 W 1850 lm Xm24 Multi-optic	15°	0.70
	25°	0.72
	40°	0.78

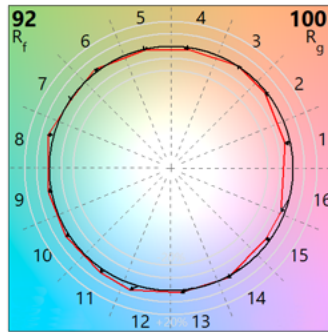
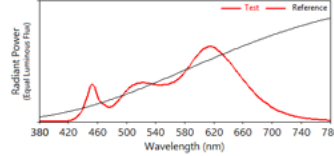
Package	Optic	Multiplier
28 W 3000 lm Xm24 Multi-optic	15°	1.13
	25°	1.17
	40°	1.12

TM30 COLOR REPORTS

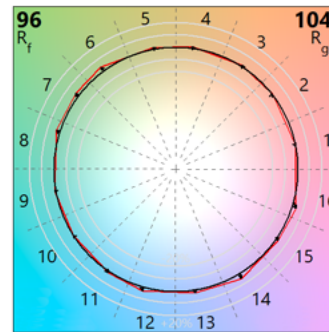
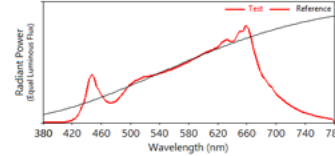
- 3000K with 80+ CRI
- $R_f = 84$; $R_g = 94$
- $R_A = 82$; $R_9 = 11$



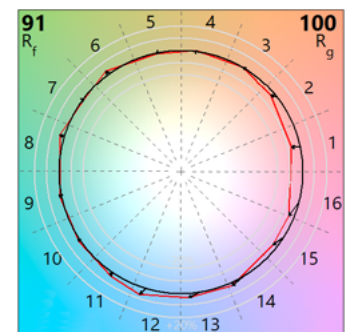
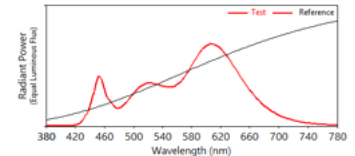
- 3000K with 90+ CRI
- $R_f = 92$; $R_g = 100$
- $R_A = 93$; $R_9 = 56$



- 3000K with 97+ CRI
- $R_f = 96$; $R_g = 104$
- $R_A = 97$; $R_9 = 98$



- 3000K with MonoWhite
- $R_f = 91$; $R_g = 100$
- $R_A = 91$; $R_9 = 42$



WARNING: Not for use in Semi enclosed luminaires. Risk of electric shock. Use in an indoor, dry location only. This device is not intended for use with emergency exit fixtures or emergency exit lights. May not be compatible with all dimmers; please visit solais.com/dimming for up-to-date dimmer compatibility information.

NOTES: This device complies with Part 15 of the FCC Rule. This product may cause interference with other devices. If interference occurs, change the locations of the products involved. **Compatible on 120v systems.**



Luxiance utilizes active cooling to remove heat from the LED system - allowing Solais LED lamps to operate cooler, resulting in superior life, light output, and performance.



X-CHANGEABLE

X-Changeable is our all-in-one technology that incorporates the optics, LEDs, driver and power within a replaceable module. This allows you to change the lumen output, color temperature, beam angle and trim color with ease.



THEROTTLE

Thermal Throttle – In the event that Solais products begin to overheat, they will undetectably dim themselves to protect your technology investments.



VIOLIGHT™

VioLight radiates superior quality, enhancing colors in merchandise, making colors more vibrant and offering a truly competitive LED replacement for CMH-like crispness.