

XC3

X-SERIES | XM20

CYLINDER LUMINAIRE FIXTURE

SOLAIS®

PROJECT _____

TYPE _____

SPECIFICATION _____

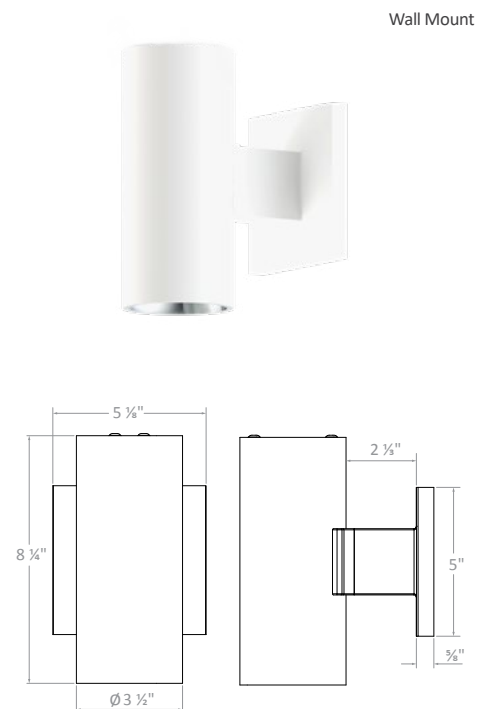
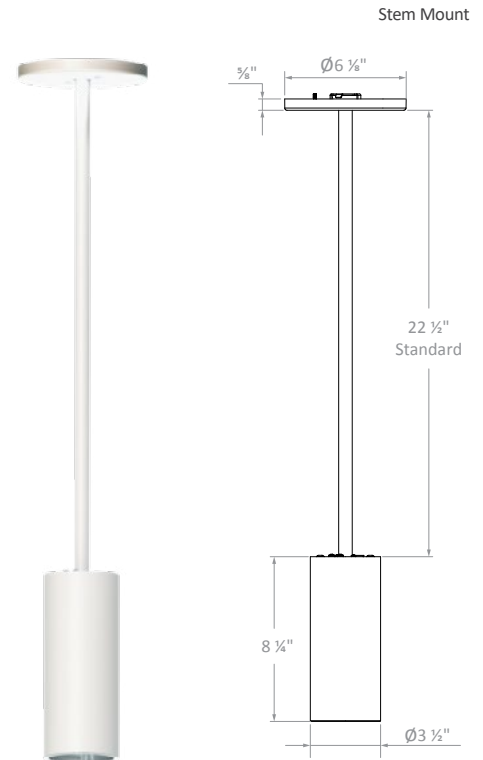
- 120 V standard
 - 0-10 V*, Triac and ELV dimming
 - Field-replaceable LED module with integrated driver; no tools needed
 - Extruded aluminum housing
 - Stem mount comes with a 24" field-adjustable stem standard
 - Cable mount comes with a 72" field-adjustable cable standard
 - Designed to mount to a standard 4" x 4" J-box
 - 50,000 hours (L70)
 - RoHS-compliant
 - UL Certified for dry locations
 - Contain no lead or mercury
 - *MonoWhite color rendering enhancements available
 - *90+ High CRI available.
- To order, replace 'K' in CCT designation with 'h' in ordering code.



Ordering Information

Example: XC3/Xm20/40/30K/900/SD/WH/ST/SP

Fixture	Module	Beam Spread	CCT / Lumens	Exterior Finish	Options + Accessories
XC3	Xm20	COB-optic	25K* / 1000	WH - White	Module Options
		15c	27K / 1050	BK - Black	HL - Honeycomb Louver
		25c	30K / 1100	SV - Silver	SL - Linear Spread
		40c	30m* / 1100	PW* - Perfect White	SP - Prismatic Spread
		60c	35K* / 1100		More Accessories Available
			35m* / 1100		Fixture Options
			40K* / 1100		010 - 0-10 V Dimming*
		Specialty	27K / 750		EM - Emergency Backup
		10c	30K / 750		Microinverter*
		Dim-to-Warm	(2700K to 1800K)		
		25c	D27 / 1300		
		40c			
				Cone Finish	Mounting Options
				Spun Aluminum	ST - 24" Stem Mount
				CL - Clear Specular	ST4* - 48" Stem Mount
				SD - Clear Semi-diffuse	ST6* - 72" Stem Mount
				CG* - Gold Specular	CB - 72" Cable Mount
				DG* - Gold Semi-diffuse	CB20* - 240" Cable Mount
				CB* - Black Specular	WM - Wall Mount
				DB* - Black Semi-diffuse	
				Lensed Spun Aluminum	
				(polycarbonate soft diffusion lens)	
				CLL - Lensed Clear Specular	
				SDL - Lensed Clear Semi-diffuse	
				CGL* - Lensed Gold Specular	
				DGL* - Lensed Gold Semi-diffuse	
				CBL* - Lensed Black Specular	
				DBL* - Lensed Black Semi-diffuse	



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

COB OPTIC: Baseline for 23 W,
2000 lumens, 80+ CRI, 3000K

Xm20/10c/30K/750

Input Power: 11.2 W
Lumens: 749 lm
Efficacy: 67 lm/W
CBCP: 11648
Beam Angle: 10.6°
Field Angle: 20.8°
Spacing Criteria: 0.19

∠	0°	45°	90°
0°	11648	11648	11648
5°	6264	6089	5926
10°	1275	1202	1208
15°	502	487	477
20°	215	210	202
25°	97	96	93
30°	54	56	52
35°	35	34	31
40°	21	20	19
45°	10	9	10

Xm20/15c/30K/1100

Input Power: 12.8 W
Lumens: 1048 lm
Efficacy: 82 lm/W
CBCP: 9172 cd
Beam Angle: 15.4°
Field Angle: 31.6°
Spacing Criteria: 0.27

∠	0°	45°	90°
0°	9125	9125	9125
5°	6131	6457	7107
10°	2222	2440	2864
15°	896	916	1028
20°	407	417	472
25°	192	203	222
30°	110	112	115
35°	69	70	74
40°	54	54	57
45°	49	47	51

Xm20/25c/30K/1100

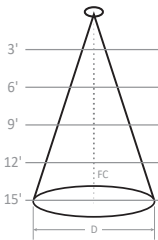
Input Power: 12.4 W
Lumens: 1066 lm
Efficacy: 86 lm/W
CBCP: 6206 cd
Beam Angle: 21.2°
Field Angle: 40.6°
Spacing Criteria: 0.37

∠	0°	45°	90°
0°	6161	6161	6161
5°	5698	5447	5317
10°	3924	3589	3418
15°	2024	1776	1665
20°	782	658	615
25°	263	219	207
30°	94	85	82
35°	42	37	36
40°	17	15	15
45°	4	3	2

Xm20/40c/30K/1100

Input Power: 12.5 W
Lumens: 1045 lm
Efficacy: 84 lm/W
CBCP: 2588 cd
Beam Angle: 34.5°
Field Angle: 63.0°
Spacing Criteria: 0.62

∠	0°	45°	90°
0°	2558	2558	2558
5°	2497	2423	2370
10°	2168	2005	1914
15°	1626	1442	1348
20°	1062	907	831
25°	616	511	464
30°	334	279	250
35°	174	141	122
40°	81	64	53
45°	33	24	19



0.56' D; 906 FC	0.81' D; 710 FC	1.12' D; 479 FC	1.86' D; 199 FC
1.11' D; 227 FC	1.62' D; 177 FC	2.24' D; 120 FC	3.73' D; 50 FC
1.67' D; 101 FC	2.43' D; 79 FC	3.36' D; 53 FC	5.59' D; 22 FC
2.23' D; 57 FC	3.24' D; 44 FC	4.48' D; 30 FC	7.45' D; 12 FC
2.78' D; 36 FC	4.06' D; 28 FC	5.60' D; 19 FC	9.32' D; 8 FC

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

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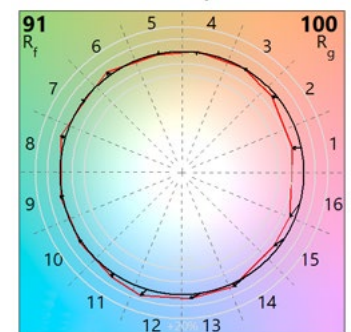
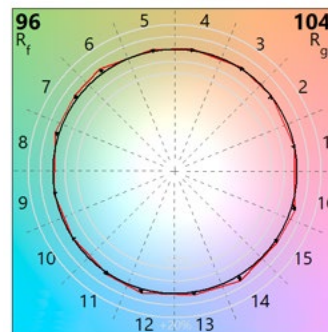
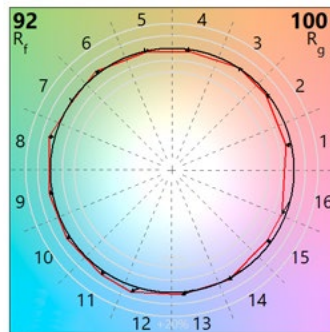
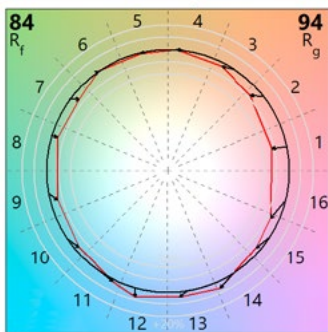
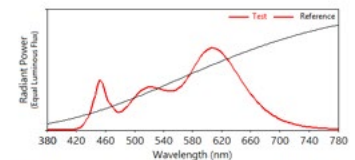
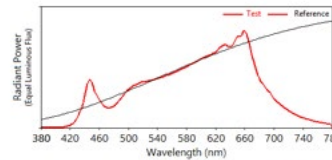
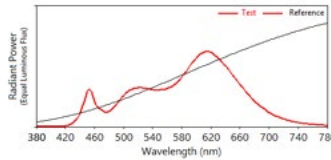
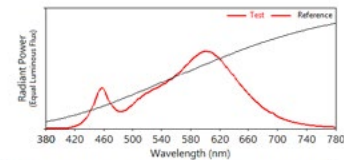
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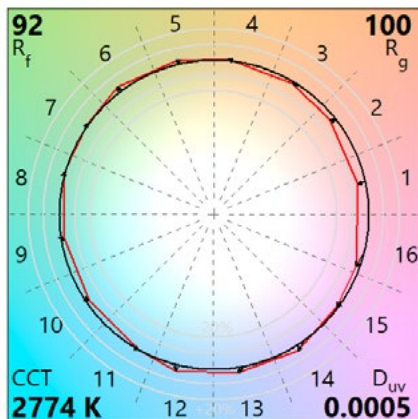
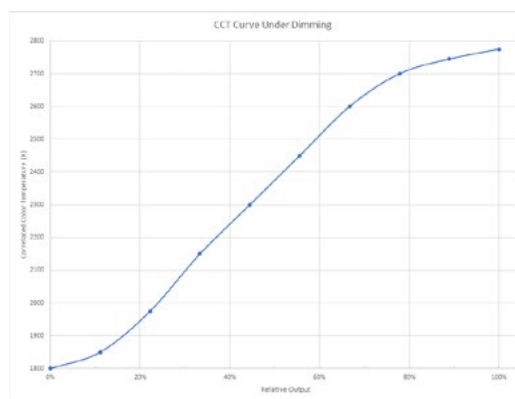
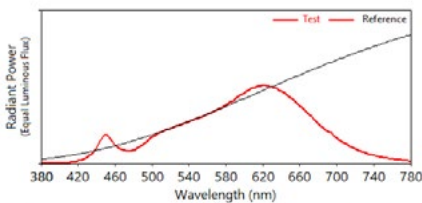
TM30 COLOR REPORTS

- 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
- $R_f = 91$; $R_g = 100$
- $R_A = 91$; $R_9 = 42$



DIM TO WARM DETAILS | Dim to warm only available with 25° and 40° beam spreads; 90+ CRI

- 2700K to 1800K with 90+ CRI
- $R_f = 92$; $R_g = 100$
- $R_A = 93$; $R_9 = 57$



Xd20/25c/D27/1300

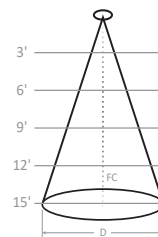
Input Power: 18.3 W
Lumens: 1277 lm
Efficacy: 70 lm/W
CBCP: 4427
Beam Angle: 27.9°
Field Angle: 53.1°
Spacing Criteria: 0.50

∠	0°	45°	90°
0°	4410	4410	4410
5°	4262	4250	4150
10°	3388	3404	3243
15°	2218	2252	2097
20°	1234	1269	1166
25°	609	624	577
30°	312	314	289
35°	152	151	141
40°	66	69	65
45°	24	26	25

Xd20/40c/D27/1300

Input Power: 18.3 W
Lumens: 1247 lm
Efficacy: 68 lm/W
CBCP: 2806
Beam Angle: 36.1°
Field Angle: 65.9°
Spacing Criteria: 0.50

∠	0°	45°	90°
0°	2796	2796	2796
5°	2742	2744	2713
10°	2432	2448	2398
15°	1867	1906	1849
20°	1247	1298	1252
25°	749	787	758
30°	423	443	426
35°	231	241	231
40°	116	122	118
45°	56	59	57



3'	1.49' D; 343 FC	1.95' D; 217 FC
6'	2.98' D; 86 FC	3.90' D; 54 FC
9'	4.47' D; 38 FC	5.86' D; 24 FC
12'	5.96' D; 21 FC	7.81' D; 14 FC
15'	7.45' D; 14 FC	9.76' D; 9 FC

WARNING: Not for use in fully 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.**