

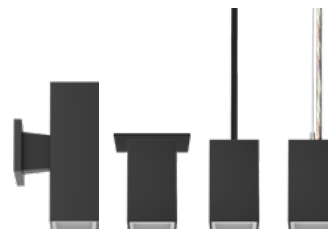
LTC-3SQD SpectraSync

LITEISTRY 3" SQUARE CYLINDER WITH COLOR TUNING

LITEISTRY™

FEATURES

- 3" architectural LED downlight cylinder delivering 600 - 1000 lm
- 4 beam distributions from 0.4 to 1.1 Spacing Criteria
- Quiet reflector appearance with 50° optical cutoff
- SpectraSync™ Color Tuning technology allows the flexibility to tailor CCT to aesthetic preferences
- Available in Dim To Warm (2200K-3000K) or Tunable White (2700K-5000K or 2700K-6500K), 90+ CRI
- Available in Surface, Wall, Pendant, or Cord Mount configurations
- Standard with 0-10V dimming to 5%



(Select Models)

RELATED PRODUCTS

Ø 3" LITEISTRY Family

Ø 4" LITEISTRY Family

Ø 6" LITEISTRY Family

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Seamless heavy gauge aluminum cylinder body with a clean appearance
- Select from 4 durable powder coat paint architectural finishes or Brushed Aluminum
- Available in Surface, Wall, Pendant, or Cable/Cord mounting options
- Wall Mount: One piece die cast aluminum mounting arm
- Wall Mount driver is integral in cylinder
- For S, CM, P: Drivers are remote mounted above ceiling (see line art)
- Pendant Mount: Swivel canopy allows sloped ceiling mounting up to 45°
- Integral driver versions allow direct mounting to a standard 4" octagonal or square junction box

OPTICS

- Visually pleasing 50° cutoff to source and source image
- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High purity four-panel aluminum reflector, self-flanged
- Large selection of anodized finishes and colors
- Painted cones and flange options available

ELECTRICAL

- LED array with 3 SDCM color consistency
- Dim to Warm (2200K-3000K) or Tunable White (2700K-5000K or 2700K-6500K) options available
- 90+ CRI standard
- Long LED life: L70 at >60,000 hrs (TM-21)
- Universal voltage 120V-277V driver
- UL Class 2, inherent short circuit and overload protection, RoHS compliant
- Flicker free 0-10V dimming to 5%

INSTALLATION

- Light Engine/Trim assembly is mechanically secured and includes a retention cable for ease of installation
- A quick connect is provided for easy maintenance or upgrade
- Remote mount driver/jbox assembly requires 6" plenum clearance
- Remote driver is accessible from above or below the ceiling

CERTIFICATIONS

- cCSAus certified to UL 1598
- Wall Mount: Suitable for wet locations
- Pendant Mount: Suitable for wet locations under covered ceiling
- Surface, Cord Mount and all Wall Wash: Suitable for damp locations
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 6/6/2020. See [Buy American Solutions](#).

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	600-1000
Wattage Range	10-18
Efficacy Range (LPW)	52-59*
Reported Life (Hours)	L70 / >60,000
Input Current (mA)	83-150 (120V)

*Based on Specular, 30K, 90 CRI



LTC-3SQD SpectraSync

LITEISTRY 3" SQUARE CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTC-3SQD-P-10L2230TD9WD-DMTW-SS-WH

CATALOG #

LTC-3SQD					
Aperture/Shape/Function	Cylinder Mounting	Lumen Output	CCT	CRI	Distribution
LTC-3SQD 3" Square Downlight Cylinder	S Surface W Wall P Pendant (18" Stem Standard) CM Cable/Cord (6 ft. Cord Standard) ⁵	06L 600 Lumens 10L 1000 Lumens	2230TD 2200K-3000K SpectraSync™ Dim to Warm 2750T 2700K-5000K SpectraSync™ Tunable White 2765T 2700K-6500K SpectraSync™ Tunable White	9 90+ CRI	NR Narrow (0.6 SC/38°) MD Medium (0.7 SC/48°) WD Wide (1.0 SC/62°) XW Extra Wide (1.2 SC/74°)

Driver Options	Voltage	Reflector Finish	Reflector Color	Flange Color Options	Exterior Cylinder Color
DMTW SpectraSync™ Dim to Warm, 0-10V Dimming to 5% ^{1,3}	Standard 120-277V	<i>Finish not applicable with painted reflectors (WC or BC)</i> S Specular SS Semi-Specular VS Softglow® VSS SoftSheen™	<i>Standard Clear</i> CG Champagne Gold BL Black LW Light Wheat PW Pewter WC Painted White Cone and Flange BC Painted Black Cone and Flange	<i>Standard matches reflector color</i> WT White Flange ⁴ BT Black Flange ⁴	BA Brushed Aluminum BZ Bronze BL Matte Black WH Matte White SVR Silver
DMT SpectraSync™ Tunable White, 0-10V Dimming to 5% ^{2,3}					

Notes:

- 1 Must select 2230TD with DMTW driver.
- 2 Must select either 2750T or 2765T with DMT driver.
- 3 For lumen outputs/configurations available, see chart on page 3.
- 4 WT not needed for WC, BT not needed for BC.
- 5 CM standard cord color is Clear.

LTC-3SQD SpectraSync

LITEISTRY 3" SQUARE CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
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DRIVER/CONTROL OPTION AVAILABILITY

Driver and Control options listed below are available in the configurations and lumen packages as shown.

Driver/Control Option		Cylinder Mounting ¹	Integral Remote Driver ²	06L	10L
DMT	0-10V 5%	W	Integral	●	●
		S/P/CM	Remote (IC Rated)	●	●
DMTW	0-10V 5%	W	Integral	●	●
		S/P/CM	Remote (Non-IC)	●	●

¹ See Cylinder Mounting chart for details.

² See line art for more details.

Cylinder Mounting	
W	Wall Mount
S	Surface Mount
CM	Cable/Cord Mount
P	Pendant Mount

CONTROLS

SpectraSync™ Color Tuning Technology:

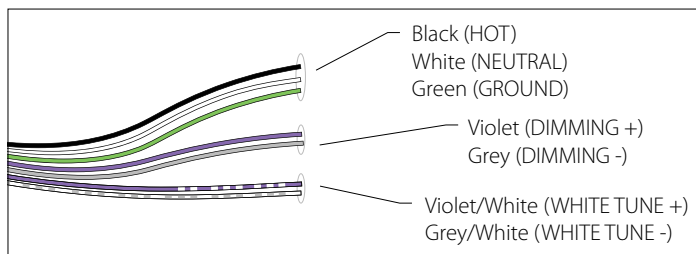
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCH COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Dim to Warm	2200K-3000K	Mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed
Tunable White	2700K-5000K 2700K-6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space
Scheduled White	2700K-5000K 2700K-6500K	Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being

SpectraSync Tunable White

Available in two options: 2750T (2700K–5000K) or 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

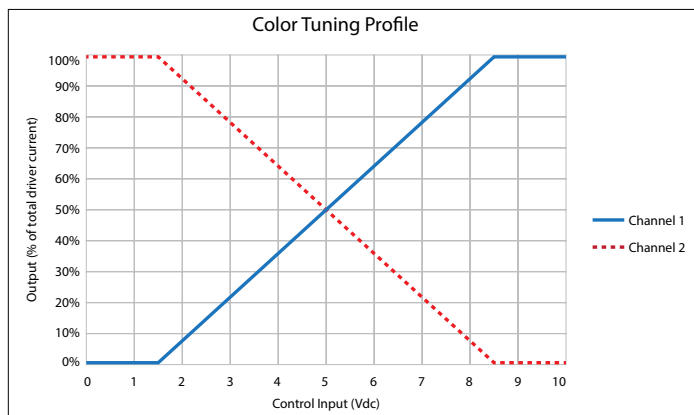


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and grey circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Hubbell Control Solutions (HCS): NX Distributed Intelligence™ Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NDTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



To enable scheduling and for use with NX wall control preset stations please refer to Hubbell Control Solutions NX SpectraSync technical sheet.

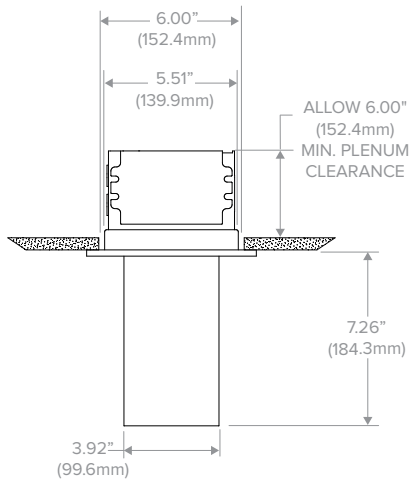


LTC-3SQD SpectraSync

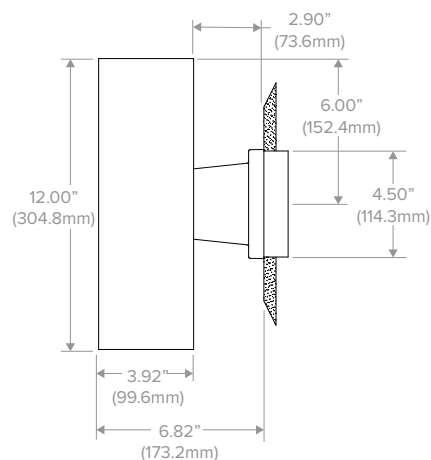
LITEISTRY 3" SQUARE CYLINDER WITH COLOR TUNING

DIMENSIONS

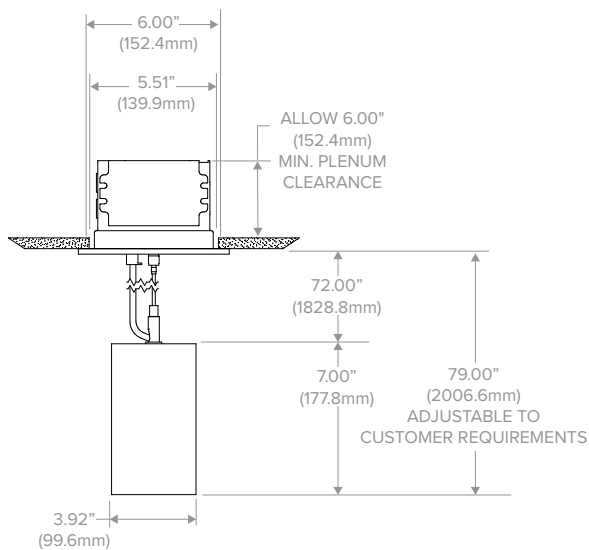
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CATALOG #:	



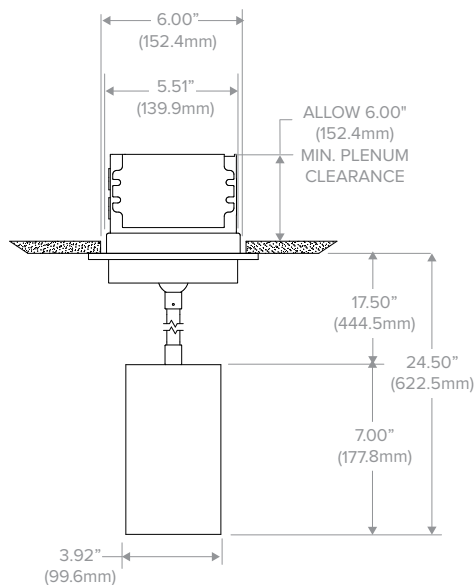
Surface



Wall



Cord



Pendant



LTC-3SQD SpectraSync

LITEISTRY 3" SQUARE CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
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PHOTOMETRY

LTC-3SQD-P-10L2765T9NR-DMT-S-BL

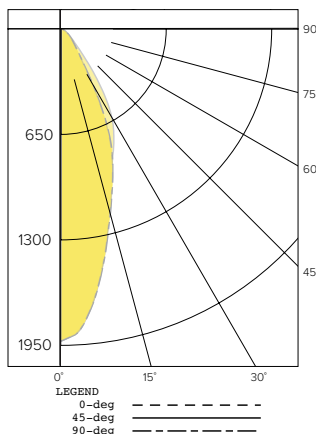
LUMINAIRE DATA

Test No.	R19.00953-C02
Description	1000 lm, Narrow, 3000K, 90 CRI
Delivered Lumens	1065
Watts	18.0W
Efficacy	59
Mounting	Pendant
Spacing Criterion	0.6
Beam Angle (FWHM)	38

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	962	90.4
0-60	1057	99.3
0-90	1065	100.0
0-180	1065	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	1924	1924	1924
5	1786	1787	1790
15	1160	1137	1167
25	657	763	669
35	175	382	181
45	78	93	81
55	27	29	13
65	4	5	4
75	2	2	2
85	1	1	1
90	0	0	0

LTC-3SQD-P-10L2765T9MD-DMT-S-BL

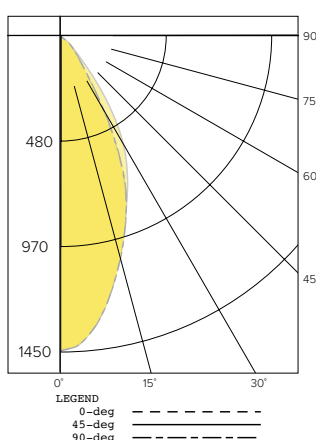
LUMINAIRE DATA

Test No.	R19.00954-C02
Description	1000 lm, Medium, 3000K, 90 CRI
Delivered Lumens	1031
Watts	18.0W
Efficacy	57
Mounting	Pendant
Spacing Criterion	0.7
Beam Angle (FWHM)	48

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	919	89.2
0-60	1024	99.3
0-90	1031	100.0
0-180	1031	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	1452	1452	1452
5	1394	1393	1394
15	1063	1053	1064
25	669	732	676
35	209	394	216
45	84	103	87
55	30	32	33
65	4	5	4
75	2	2	2
85	1	1	1
90	0	0	0

LTC-3SQD-P-10L2765T9WD-DMT-S-BL

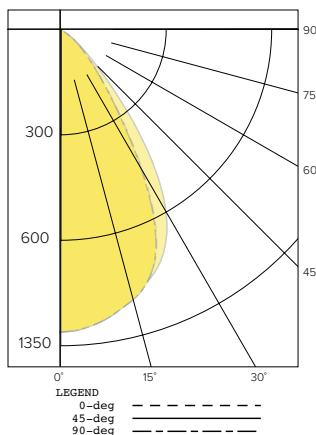
LUMINAIRE DATA

Test No.	R19.01044-C02
Description	1000 lm, Wide, 3000K, 90 CRI
Delivered Lumens	965
Watts	18.0W
Efficacy	54
Mounting	Pendant
Spacing Criterion	1.0
Beam Angle (FWHM)	62

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	817	84.6
0-60	956	99.1
0-90	965	100.0
0-180	965	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	1730	1730	1730
5	1713	1711	1711
15	1605	1594	1602
25	1305	1403	1292
35	600	914	580
45	236	304	224
55	87	84	75
65	10	12	9
75	4	5	4
85	1	1	1
90	0	0	0

PHOTOMETRY (CONTINUED)

LTC-3SQD-P-10L2765T9XW-DMT-S-BL

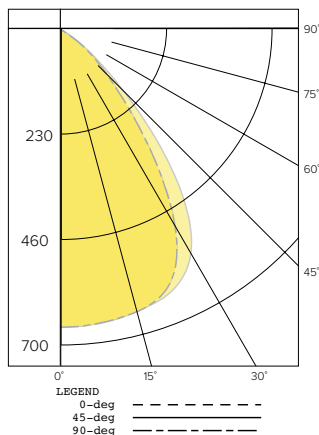
LUMINAIRE DATA

Test No.	R19.00956-C02
Description	1000 lm, Extra Wide, 3000K, 90 CRI
Delivered Lumens	945
Watts	18.0W
Efficacy	52
Mounting	Pendant
Spacing Criterion	1.2
Beam Angle (FWHM)	74

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1092	83.9
0-60	1293	99.3
0-90	945	100.0
0-180	945	100.0

POLAR GRAPH



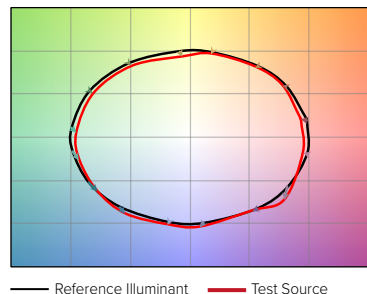
CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	879	879	879
5	882	884	882
15	911	920	911
25	838	937	836
35	476	684	474
45	174	242	174
55	31	47	31
65	5	6	5
75	2	3	2
85	1	1	1
90	0	0	0

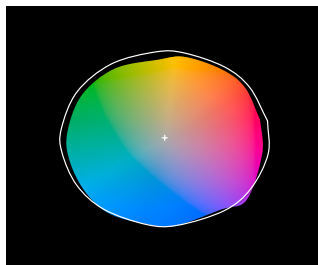
TM-30 DATA

SPECTRASYNCTM TUNABLE WHITE (2765T)

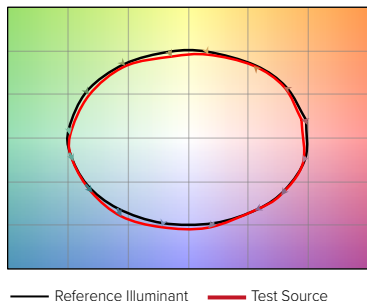
COLOR VECTOR GRAPHIC 2700K, 90+ CRI



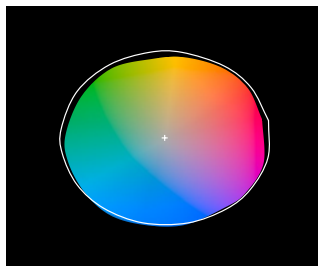
COLOR DISTORTION GRAPHIC 2700K, 90+ CRI



COLOR VECTOR GRAPHIC 4600K, 90+ CRI



COLOR DISTORTION GRAPHIC 4600K, 90+ CRI



TEST RESULTS - TUNABLE WHITE @ 1000 LUMENS (NOMINAL)

Value	2700K	4600K	6500K
Luminous Flux (lm)	846	941	982
Wattage (W)	17.0	16.8	16.9
Efficacy (lm/W)	50	56	58
R _f	88	89	88
R _g	97	98	97
CCT (K)	2809	4597	6326
D _{uv}	-0.0018	-0.0052	0.0017
x	0.4481	0.3558	0.3163
y	0.4035	0.3502	0.33
CIE R _a	91	95	94
CIE R _g	48	83	73

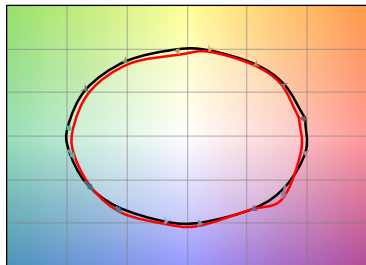
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LITEISTRY 3" SQUARE CYLINDER WITH COLOR TUNING

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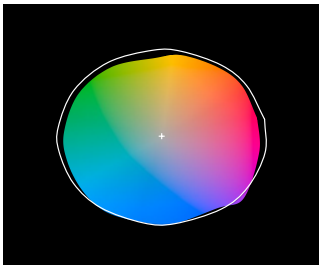
TM-30 DATA (CONTINUED)

COLOR VECTOR GRAPHIC
6500K, 90+ CRI



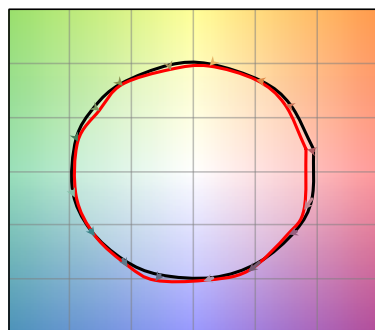
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
6500K, 90+ CRI



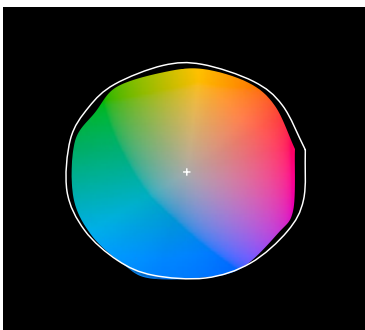
SPECTRASYNCTM DIM TO WARM (2230TD)

COLOR VECTOR GRAPHIC
3000K, 90+ CRI @ 100%

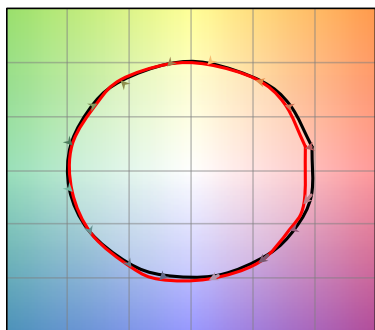


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
3000K, 90+ CRI @ 100%

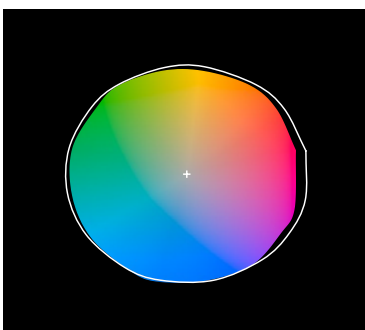


COLOR VECTOR GRAPHIC
2600K, 90 CRI @ 50% DIM



— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
2600K, 90 CRI @ 50% DIM



TEST RESULTS - DIM TO WARM @ 3 DIMMING LEVELS			
Value	100%	50% Dim	5% Dim
Luminous Flux (lm)	945	507	34
Wattage (W)	16.94	9.69	2.43
Efficacy (lm/W)	56	52	14
R _f	90	92	92
R _g	97	99	98
CCT (K)	3136	2650	2204
D _{uv}	-0.0016	-0.0016	-0.0005
x	0.4254	0.461	0.5063
y	0.3965	0.4069	0.4168
CIE R _a	92	93	92
CIE R _g	52	60	57

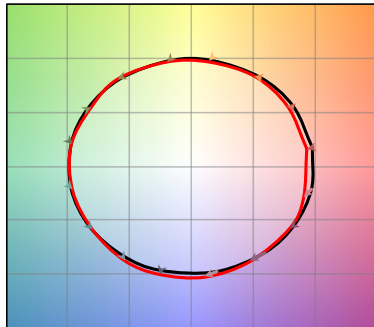
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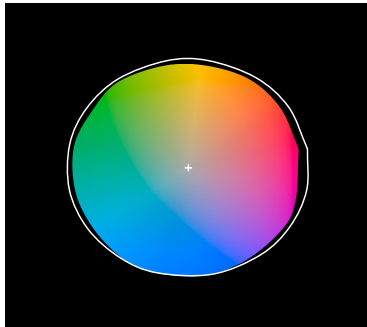
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TYPE:	PROJECT:
CATALOG #:	

TM-30 DATA CONTINUED

COLOR VECTOR GRAPHIC
2200K, 90 CRI @ 5% DIM



COLOR DISTORTION GRAPHIC
2200K, 90 CRI @ 5% DIM



— Reference Illuminant — Test Source

ELECTRICAL DATA

DRIVER DATA	
Input Voltage	120-277 V
Input Frequency	50/60 Hz
Power Factor	≥0.90
THD	<20%
EMI Filtering (FCC 47 CFR Part 15)	Class A

WATTAGE DATA		
Lumen Output	Nominal Lumens	WATTAGE
06L	600	10
10L	1000	18

* Wattage may vary based on configuration and options selected

ADDITIONAL INFORMATION

Central Inverters

For full fixture output in back-up mode, we recommend you visit www.dual-lite.com for your Central Lighting Inverter options. Please contact your local Hubbell representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.

LiteGear: www.dual-lite.com/products/litegear_lg_series

LPS Series: www.dual-lite.com/products/lps