

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Virtually unlimited uplight/downlight distributions maximize application flexibility
- Current's patented TriGain phosphor delivers 90 CRI color quality at 80 CRI efficacy
- Rectilinear (**Plank - PL**) and arcuate (**Arc - AR**) form factors available
- 2'-8' fixture lengths available both individually and in continuous rows



CONTROL TECHNOLOGY



SPECIFICATIONS

HOUSING CONSTRUCTION

- Plank (**PL**) cross section 1 3/4" x 7"
- or Arc (**AR**) cross section of 2 3/8" x 7 7/8"
- Windowed housing constructed from die-formed 20GA CRS and welded end headers
- Die-formed 14GA steel end caps
- 6063-T6 extruded aluminum with matte white powder coat finish light engine for Indirect/Direct (**ID**), Indirect (**I**) or Direct (**D**) distributions
- Cast aluminum wall mount bracket attaches to steel housing

OPTICS

- Indirect/Direct (**ID**), Direct (**D**), or Indirect (**I**) distribution options
- UV stabilized, impact resistant, matte textured surface soft diffuse acrylic (**SOF**) lens ships installed. Product installation does not require removal of lens
- Indirect/Direct (**ID**) and Indirect (**I**) products can be specified as standard lambertian (**STD**) or 103° low peak angle (**LPA**)
- Visual comfort diffuser (**VCD**) option suppresses light above 65° to improve UGR values
- Clear dust cover (**DCC**) or frosted dust cover (**DCF**) options available. Can be added post installation

ELECTRICAL

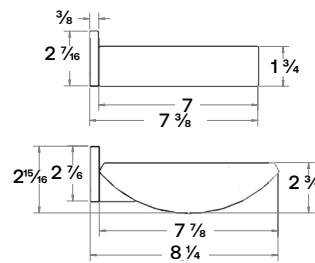
- Variable Intensity (**VI**) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification
- Current's patented TriGain® phosphor delivers 90 CRI color quality at 80 CRI efficacy
- 2 SDCM color consistency
- Integral solid state constant current dimming driver. 1% for 0-10V controls
- Lens, LED Boards and solid state constant current drivers are field-serviceable while installed
- Single circuit (**1C**) wiring suitable for most configurations
- Two circuit (**2C**) option available with ID distribution for Uplight and Downlight switched/dimmed separately. Two power feeds required
- Nightlight (**NL**) option available
- Integral 10W battery powered driver (**EF**) available. Provides a minimum of 90 minutes of emergency lighting
- Inverter-Compatible, provided by others
- Sensors install at end of individual fixtures. For rows or additional information, contact factory
- NX and SpectraSync™ compatible

CERTIFICATIONS

- cCSAus certified to UL 1598
- Suitable for damp locations
- UL924
- IBEW
- AF of L
- This product offers BABA compliant configurations. Configurations including batteries, sensors, controls, some drivers, and selected mountings may not be compliant. Please consult factory to verify BABA compliance for a given configuration.
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). [See Buy America\(n\) Solutions.](#)
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.
- Install in environments where ambient temperature does not exceed 25°C
- DLC V5.1 listed luminaire. Not all product variations listed in this document are DLC qualified. Refer to designlights.org for most up-to-date list.

WARRANTY

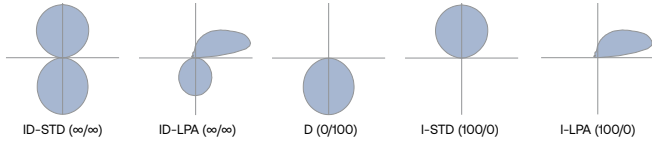
- 5 year warranty



Length	Weight Chart	
	ID/I/D	
	Typical (lbs)	Max (lbs)
2'	9.5	11.0
3'	13.5	14.5
4'	15.0	17.0

KEY DATA	
Output Range	I: 150-1900 Lm/Ft D: 150-1900 Lm/Ft
Max Efficacy	164 LPW
Color Consistency	2 SDCM

ORDERING GUIDE INDIRECT / DIRECT, DIRECT, OR INDIRECT



Example: STNC-PL-W-ID-LPA-24-8-SOF-WHS-35K9-I050-D080-D01-2C-UNV

CATALOG # _____

STNC	W							
Series	Profile	Mounting	Fixture Distribution	Indirect Optics ¹	Row Length	Max Length in Row	Direct Diffuser ²	Finish
STNC	PL Plank AR Arc	W Wall	ID Indirect/Direct D Direct (0/100) I Indirect(100/0)	STD Standard LPA Low Peak Angle	' Enter in foot increments	2 2' 3 3' 4 4' 6 6' 8 8'	SOF Soft Diffuse Lens	WHS White, Smooth (C1) GYS Gray, Smooth (C4) BLS Black, Smooth (C5) CC Custom Color

CCT/CRI	Indirect Output ^{1,5}	Direct Output ^{2,5}	Dimming	Circuiting	Voltage
27K9 2700K, 90CRI 30K9 3000K, 90CRI 35K9 3500K, 90CRI 40K9 4000K, 90CRI 50K9 5000K, 90CRI 2765T 2700-6500K Tunable White, 90CRI ^{3,4}	I015 150 (min) to I190 1900 (max)	D015 150 (min) to D190 1900 (max)	D01 1% 0-10V D05 5% 0-10V NDM Non-Dimming LEC 1% Lutron Hi-Lume EcoSystem ³ DALIP DALIP ³ SEN For use with Sensors	1C Single Circuit 2C Dual Circuit (Uplight/Downlight)	UNV Universal (120V-277V) 347 347V ^{3,6}

OPTIONAL

Nightlight	Emergency ⁷	Additional Lensing
NL Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row	EF 10W Emergency Battery Pack (CEC Title 20 Compliant) Enter quantity. 2EF = 2 emergency batteries/row	DCC Clear Acrylic Dust Cover ¹ DCF Frosted Acrylic Dust Cover ¹ VCD Visual Comfort Diffuser ²

Controls & Sensors ^{3,8}	
NX Networked - Wireless⁹	
NXWSM	NX Networked Wireless Enabled Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming
NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy and Photocell Sensor
Other	
ODPG	OCC/DLH w Group Philips SNS
ODWG	Wattstopper LMFS-601

Notes:

- Compatible with I or ID distributions.
- Compatible with D or ID distributions.
- Additional lead time may be applicable. Consult factory.
- Must be ordered with D05 dimming.
- Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
- Compatible with D01, D05, NDM, SEN. Excludes EF option.
- EF - 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting.
- Submittal drawings required for row configurations.
- Refer to NX Integrated Controls Reference Table for Functionality of Options.

DATE:	LOCATION:
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RESTRICTIONS

Dust Cover (DC) Restrictions		
	150-1500lm/ft	1550-1900lm/ft
ID		DC Not Available
I		DC Not Available
D	DC Not Available	

Emergency (EF) Restrictions					
	2'	3'	4'	6'	8'
ID	EF Not Available				
I	EF Not Available				
D	EF Not Available				

Driver Restrictions									
	150lm/ft	200lm/ft	250lm/ft	300lm/ft	350-450lm/ft	500-1450lm/ft	1500-1750lm/ft	1800-1850lm/ft	1900lm/ft
2'	None Available		LEC Not Available				LEC Not Available for WID & WD	LEC Not Available	
3'	None Available	LEC Not Available							
4'	LEC Not Available								
6'	LEC Not Available								
8'									

CONTROLS OPTIONS AND FUNCTIONALITY

Control Option Ordering Logic & Description			Control Option Functionality							Control Option Components		
			Networkable	Grouping	Scheduling	Occupancy / Motion	Daylight Harvesting	0-10V Dimming	On/Off Control			Bluetooth® App Programming
NX Wireless	NXWSM	NX Networked Wireless Enabled Integral NX SMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	✓	✓	✓	✓	✓	✓	✓	✓		NXSMP2-SMI
NX Connect	NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy and Photocell Sensor	–	✓	–	✓	✓	✓	✓	✓ ¹		NXC-WIZ20

¹ Requires use of NX Connect App available for download from Apple app store.

CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

APP INFORMATION

NX Lighting Controls App



The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.



Android



Apple iOS

NX Connect App



The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.



Apple iOS

CONTROLS OPTIONS AND FUNCTIONALITY (CONTINUED)

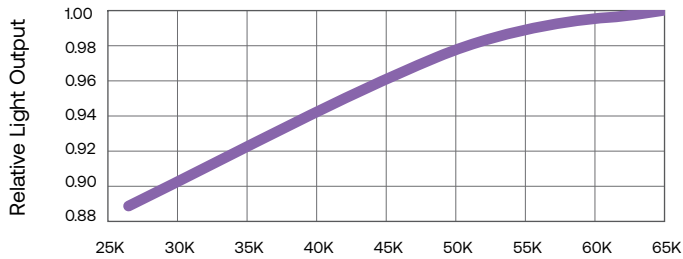
SpectraSync™ Color Tuning Technology:

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
Tunable White	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

Relative Light Output Based on CCT



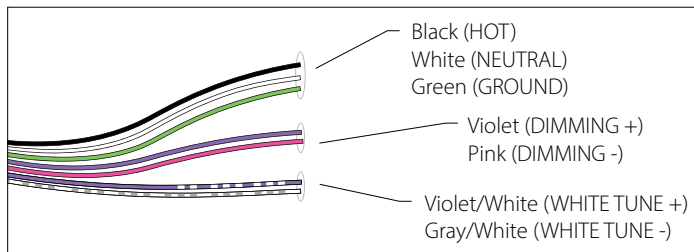
Controller Manufacturer Data

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

- Current: NX Lighting Controls Room Controllers (NXRCFX2) and In-fixture Controllers (NXFM2)
- Lutron: DDTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers

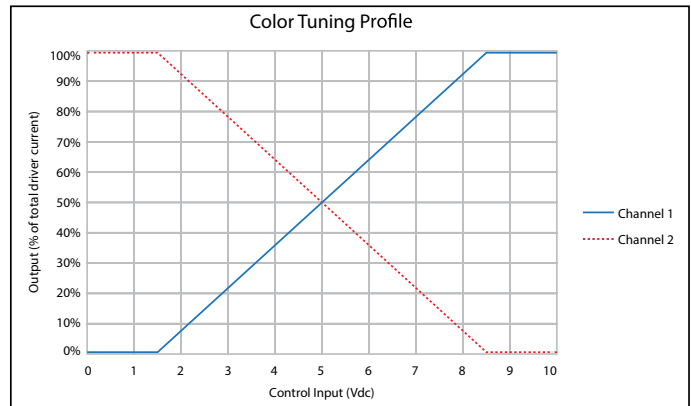
SpectraSync Tunable White

Available in 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 pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and gray/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Color Tuning Profile



DATE:	LOCATION:
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PERFORMANCE DATA TABLE FOR I, D, ID

The table below shows the delivered lumens for the various lumen outputs.
Use this chart in connection with the output multiplier capability to deliver any output required

Indirect Standard (STD)				Indirect Low Peak Angle (LPA)				Direct			
Nomenclature	Lumens/Ft	Wattage/Ft	Efficacy (Lm/W)	Nomenclature	Lumens/Ft	Wattage/Ft	Efficacy (Lm/W)	Nomenclature	Lumens/Ft	Wattage/Ft	Efficacy (Lm/W)
I015	150	1.1	138	I015	150	1.2	124	D015	150	1.3	116
I020	200	1.4	147	I020	200	1.5	132	D020	200	1.6	121
I025	250	1.6	152	I025	250	1.8	136	D025	250	2.0	125
I030	300	1.9	157	I030	300	2.2	139	D030	300	2.4	127
I035	350	2.2	160	I035	350	2.5	141	D035	350	2.7	129
I040	400	2.5	161	I040	400	2.8	142	D040	400	3.1	130
I045	450	2.8	163	I045	450	3.2	143	D045	450	3.5	130
I050	500	3.1	163	I050	500	3.5	143	D050	500	3.8	130
I055	550	3.4	164	I055	550	3.9	143	D055	550	4.2	130
I060	600	3.7	164	I060	600	4.2	143	D060	600	4.6	130
I065	650	4.0	164	I065	650	4.6	143	D065	650	5.0	129
I070	700	4.3	164	I070	700	4.9	142	D070	700	5.4	129
I075	750	4.6	163	I075	750	5.3	142	D075	750	5.8	128
I080	800	4.9	163	I080	800	5.7	141	D080	800	6.3	127
I085	850	5.2	162	I085	850	6.1	141	D085	850	6.7	127
I090	900	5.6	162	I090	900	6.4	140	D090	900	7.1	126
I095	950	5.9	161	I095	950	6.8	139	D095	950	7.6	125
I100	1000	6.2	161	I100	1000	7.2	138	D100	1000	8	124
I105	1050	6.6	160	I105	1050	7.6	138	D105	1050	8.5	124
I110	1100	6.9	159	I110	1100	8.1	137	D110	1100	9.0	123
I115	1150	7.3	158	I115	1150	8.5	136	D115	1150	9.5	121
I120	1200	7.6	158	I120	1200	8.9	135	D120	1200	10.0	120
I125	1250	8.0	157	I125	1250	9.4	134	D125	1250	10.5	119
I130	1300	8.3	156	I130	1300	9.8	133	D130	1300	11	118
I135	1350	8.7	155	I135	1350	10.3	132	D135	1350	11.6	117
I140	1400	9.1	154	I140	1400	10.7	131	D140	1400	12.2	115
I145	1450	9.5	153	I145	1450	11.2	129	D145	1450	12.7	114
I150	1500	9.9	152	I150	1500	11.7	128	D150	1500	13.3	112
I155	1550	10.3	151	I155	1550	12.2	127	D155	1550	14	111
I160	1600	10.7	149	I160	1600	12.7	126	D160	1600	14.6	109
I165	1650	11.2	148	I165	1650	13.3	125	D165	1650	15.3	108
I170	1700	11.6	146	I170	1700	13.8	123	D170	1700	15.9	107
I175	1750	12.1	144	I175	1750	14.4	122	D175	1750	16.7	105
I180	1800	12.6	143	I180	1800	14.9	121	D180	1800	17.4	104
I185	1850	13.2	141	I185	1850	15.5	119	D185	1850	18.1	102
I190	1900	13.7	139	I190	1900	16.1	118	D190	1900	18.9	100

(wattage may vary up to 5% from published)

Output Multiplier Table - I, D, ID

Photometrics are published at a nominal 3500K temperature, 90 CRI.
This table may be used to approximate the lumen values at different Kelvin temperatures.
Power consumption would stay the same.

CCT	2700K	3000K	3500K	4000K	PL	AR	VCD	DCC	DCF
Multiplier	0.9	0.96	1.0	1.0	1.0	1.07	0.89	0.90	0.90

Lumen Maintenance

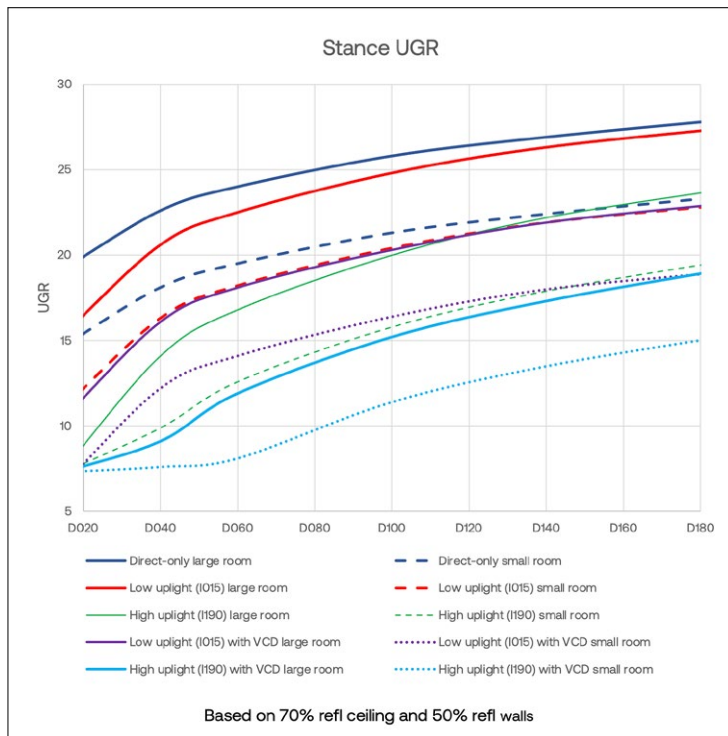
Values calculated to estimate lumen degradation over time derived from IES TM-21. Calculations based on luminaires tested to LM-79-2008 in 25°C (77°F) ambient environment at their worst thermal configuration.

	ID, D, I	
	TM-21-21	TM-21-11
	Reported	Calculated
L85	>60,000*	67,500
L80	N/A	97,000
L70	N/A	162,000

*2FT L85 at 58,000.

TM-21-22 reported values are supported by IES standards and based on six times LM-80 test time for the LED and in-situ thermal testing of luminaire per IES TM-21.

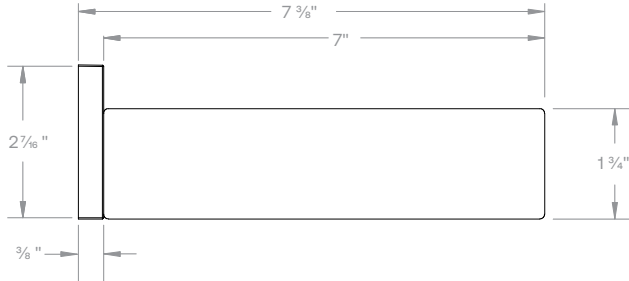
TM-21-11 values represent commonly used theoretical estimations. The IES has published an updated position on LED Product Lifetime Prediction (IES PS-10-18) explaining the proper use of IES TM-21 and LM-80.



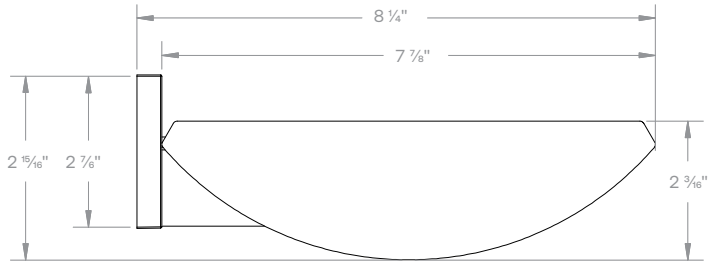
DATE: _____ LOCATION: _____
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DIMENSIONS

End View

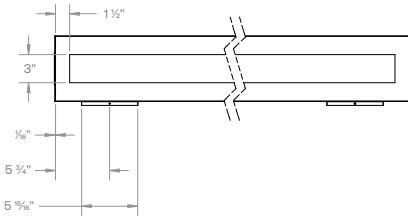
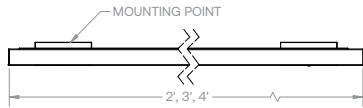


Lens Window Opening: 3"

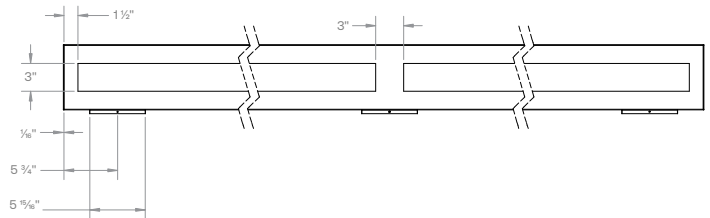
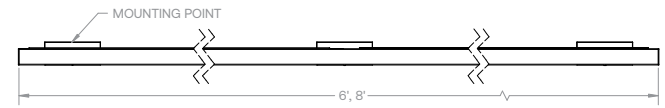


Lens Window Opening: 3"

Individual Mounting – 2', 3', 4' Fixtures

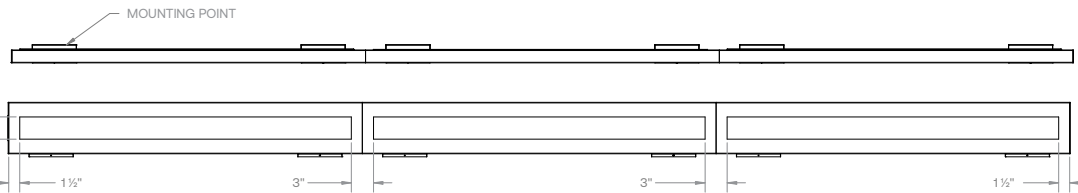


Individual Mounting – 6', 8' Fixtures



Row Mount – 4' Shown

(See Installation Manual for complete mounting details)



Length	Weight Chart	
	ID/I/D	
	Typical (lbs)	Max (lbs)
2'	9.5	11.0
3'	13.5	14.5
4'	15.0	17.0

FINISHES



Gray Smooth



Black Smooth



White Smooth



Custom Color

PHOTOMETRY

STNC-PL-W-ID-4-SOF-35K9-I080-D080

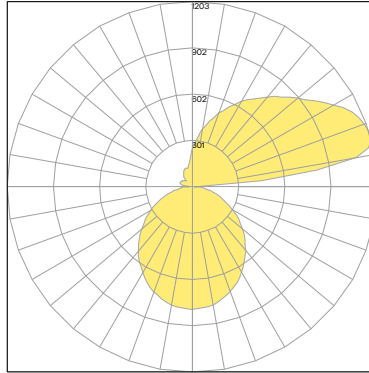
LUMINAIRE DATA

Description	4' Stance Plank, 3500K, 90CRI
Delivered Lumens	6335
Watts	47.8
Efficacy	133
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1423	22.5
0-60	2481	39.2
0-90	3164	49.9
0-180	6335	100.0

POLAR GRAPH



Maximum Candela = 1203 Located At Horizontal Angle = 0, Vertical Angle = 105
Vertical Plane Through Horizontal Angles (0°-180°) (Through Max. Cd)

STNC-PL-P-ID-STD-4-SOF-35K9-I080-D080

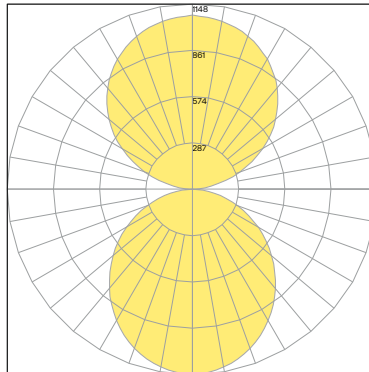
LUMINAIRE DATA

Description	4' Stance Plank, 3500K, 90CRI
Delivered Lumens	6341
Watts	44.8
Efficacy	142
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1423	22.4
0-60	2481	39.1
0-90	3164	49.9
0-180	6341	100

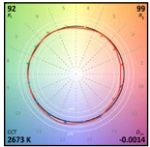
POLAR GRAPH

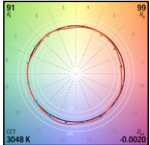


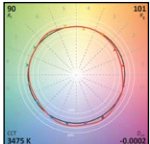
Maximum Candela = 1148 Located At Horizontal Angle = 45, Vertical Angle = 2.5
Vertical Plane Through Horizontal Angles (0°-180°)

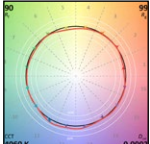
TM-30 DATA

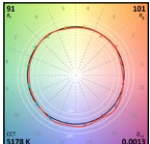
TEST RESULTS					
Value	27K9	30K9	35K9	40K9	50K9
CCT (K)	2673	3048	3475	4060	5178
CIE R _a	94	95	93	97	96
D _{UV}	-0.0014	-0.002	-0.0002	-0.0002	0.0013
R _f	92	91	90	90	91
R _g	99	99	101	99	101
x	0.4596	0.4308	0.4065	0.3777	0.3405
y	0.4068	0.3971	0.3908	0.3746	0.3505

	HUE-ANGLE BIN (J)															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2700K																
Chroma Shift (R _{cs,hj})	-5	-2	-1	-3	-2	1	-2	1	0	2	4	6	2	1	-4	-5
Hue Shift (R _{hs,hj})	0.01	0.02	0.02	-0.02	0.01	0.03	0.01	0.02	0.04	0.05	0.04	-0.06	-0.13	-0.13	-0.03	-0.11
Fidelity (R _{fhj})	90	94	94	94	95	94	96	96	94	92	92	87	84	85	90	84

3000K																
Chroma Shift (R _{cs,hj})	-5	-2	-1	-2	-4	1	-3	0	0	1	4	6	2	3	-2	-3
Hue Shift (R _{hs,hj})	0.01	0.02	0.03	0.00	0.02	0.01	0.01	0.01	0.05	0.07	0.08	-0.02	-0.10	-0.11	-0.06	-0.12
Fidelity (R _{fhj})	91	94	92	95	92	95	93	97	92	88	89	88	86	85	87	84

3500K																
Chroma Shift (R _{cs,hj})	-5	-3	-1	0	0	4	0	-1	-3	-3	2	6	5	7	2	0
Hue Shift (R _{hs,hj})	-0.01	0.02	0.06	0.04	0.04	0.01	-0.02	-0.01	0.02	0.09	0.11	0.03	-0.05	-0.07	-0.08	-0.09
Fidelity (R _{fhj})	91	93	87	91	91	92	95	96	94	86	83	86	90	86	88	86

4000K																
Chroma Shift (R _{cs,hj})	-3	0	-1	-3	-5	-1	-3	-2	-1	-1	5	5	5	1	1	0
Hue Shift (R _{hs,hj})	0.01	0.00	0.02	-0.01	0.01	0.02	0.03	0.04	0.09	0.10	0.09	0.01	-0.06	0.00	-0.07	-0.07
Fidelity (R _{fhj})	92	96	94	92	90	95	94	92	88	84	84	89	89	94	86	87

5000K																
Chroma Shift (R _{cs,hj})	-3	-1	-1	-2	-2	1	-1	-3	-3	-2	4	4	6	3	8	0
Hue Shift (R _{hs,hj})	0.00	0.00	0.03	0.02	0.02	0.02	0.01	0.03	0.09	0.10	0.10	0.01	-0.04	-0.02	-0.12	-0.03
Fidelity (R _{fhj})	92	96	92	92	91	95	96	93	90	84	82	93	90	92	83	94

CRI: 90 MINIMUM

CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
2700K	94	98	99	98	98	99	93	90	82	63	100	97	86	99	99
3000K	95	97	99	99	96	97	95	91	85	66	96	98	81	98	98
3500K	93	94	94	91	94	93	92	95	88	68	83	93	70	94	94
4000K	97	99	99	94	98	96	95	97	96	91	92	97	68	99	95
5000K	96	98	96	92	97	96	92	98	97	89	88	95	68	98	95