SCPL Series | High Performance LED Pendants

Driver Housing/Canopy

11-3/4"

3-5/8"

Module

5-1/2"

6-5/8"

RS: Rigid Stem Mount

Includes Sloped Swivel Ceiling Canopy and 6-Inch Stem; extra stem lengths must be ordered separately as needed.
Max Stem Length: 10 Feet Total (Including Couplings)

FC: Flexible Cable

Includes 120-inch field adjustable Power Cord and Aircraft Cable Support

	SCPL2	SCPL4
WATTAGE	137W	170W
LUMEN OUTPUT[1]	16800Lm	21700Lm
COLOR TEMPERATURE	2700K, 3000K, 3500K, 4000K	
CRI	83 (80min) / 90+	
MOUNTING	Flexible Cable, Rigid Stem[2]	
DRIVER INPUT WATTAGE	137W	170W
DRIVER INPUT VOLTAGE	120 – 277V, 50/60Hz	
DIMMING TYPE	0 – 10V	
LISTINGS	cCSAus Certified to UL Standards; Suitable for Damp Locations. Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting."	
WARRANTY	Five (5) year replacement after date of purchase	
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance; Maximum Ambient Operating Temperature of 50°C (122°F)	

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information
2. Rigid Stem (RS) Mount Units include Canopy and 6 inch Stem; extra Stem lengths must be ordered separately as needed

ORDERING INFORMATION

For Complete Luminaire, Select: **LED Module** (Page 2)

Performance Shade (Page 3)

Optional Accessories (Page 4)

LED MODULE SELECTION PAGE 2

SCPL Series | High Performance LED Pendants

ORDERING INFORMATION

LED MODULE + PERFORMANCE SHADE + LUMINAIRE OPTIONS = COMPLETE LUMINAIRE

LED MODULE

Example Order: | SCPL430KMVD2CNHFC | — | S |

LED Module	Color Temp/CRI	Electrical/Dimming	Canopy	Battery Back-Up	Mounting
SCPL2 - 137W 16800Lm	*83 (80min) CRI*	**MVD2** - 120/277V 0-10V Driver	**CNH** - Thick Canopy, Internal Driver	- No Battery Back-Up, Leave Blank	**FC** - Flexible Cable
SCPL4 - 170W 21700Lm	**27K** - 2700K				**RS** - Rigid Stem
	30K - 3000K			**E** - Battery Pack Included Inside Canopy	Includes Canopy and 6 Inch Stem; extra stem lengths must be ordered separately as needed.
	35K - 3500K				
	40K - 4000K				**Max Stem Length:** 10 Feet Total (Including Couplings)
	90+ CRI				
	27KC - 2700K				
	30KC - 3000K				
	35KC - 3500K				
	40KC - 4000K				

Finish
B - Black Housing/ Black Cord
P - White Housing/White Cord
S - Silver Housing/Black Cord

SCPL Series | High Performance LED Pendants

ORDERING INFORMATION

LED MODULE + PERFORMANCE SHADE + LUMINAIRE OPTIONS = COMPLETE LUMINAIRE

ALUMINUM PERFORMANCE SHADES

11"

16"

ALS16

ALS16B

CRM16

13.4"

22.0"

CRW22

Aluminum Shade
ALS16 - 16 Inch Aluminum
ALS16B - 16 Inch Aluminum, Black Exterior
CRM16 - 16 Inch Specular Alzak, Medium Beam
CRW22-B - 22 Inch Aluminum Wide Distribution
Black Mounting Hardware
CRW22-P - 22 Inch Aluminum Wide Distribution
White Mounting Hardware
CRW22-S - 22 Inch Aluminum Wide Distribution
Silver Mounting Hardware

LEXALITE™ ACRYLIC PERFORMANCE SHADES

11"

16"

ACL16

ACL16FR

13.4"

22.0"

ACL22

ACL22FR

Acrylic Shade
ACL16 - 16 Inch Clear Acrylic
ACL16FR - 16 Inch Frosted Acrylic
ACL22 - 22 Inch Clear Acrylic
ACL22FR - 22 Inch Frosted Acrylic

Mounting Hardware
B - Black
P - White
S - Silver

LUMINAIRE OPTIONS PAGE 4

SCPL Series | High Performance LED Pendants

ORDERING INFORMATION

LED MODULE + PERFORMANCE SHADE + LUMINAIRE OPTIONS = COMPLETE LUMINAIRE

LUMINAIRE OPTIONS

Deco Kits

DECO16 - Decorative Legs and Bottom Glass Lens for 16 Inch Shades Only

DECO22 - Decorative Legs and Bottom Glass Lens for 22 Inch Shades Only

Finish
B - Black
P - White
S - Silver

DECO16
16 Inch Deco Leg Kit

Rigid Stems: for "RS" Mount Only; Maximum Stem Length: 10 Feet

ST6 - 6 Inch Stem   **ST30** - 30 Inch Stem
ST12 - 12 Inch Stem   **ST36** - 36 Inch Stem
ST18 - 18 Inch Stem   **ST42** - 42 Inch Stem
ST24 - 24 Inch Stem   **ST48** - 48 Inch Stem

COUPLING - External Coupler for Connecting Stems

STEMCTC - Close-to-Ceiling Mount Threaded Stem
Allows for Close-to-Ceiling Mount of Pendant to Canopy
For use with RS Mount only

Finish
B - Black
P - White
S - Silver

Bottom Lens Accessories for use with ACL Shade Models
CANNOT BE COMBINED WITH DECO KITS

PACDLA16 - 16 Inch Conical Clear Acrylic Prismatic Drop Lens and Clamp
PASFLA16 - 16 Inch Smooth Clear Acrylic Flat Lens and Clamp
PASFLA16F - 16 Inch Smooth Frosted Acrylic Flat Lens and Clamp

PACDLA22 - 22 Inch Conical Clear Acrylic Prismatic Drop Lens and Clamp
PASFLA22 - 22 Inch Smooth Clear Acrylic Flat Lens and Clamp
PASFLA22F - 22 Inch Smooth Frosted Acrylic Flat Lens and Clamp

Wire Guards
CANNOT BE COMBINED WITH DECO KITS
WG16 - 16 Inch Wire Guard

SCPL Series | High Performance LED Pendants

PRODUCT DETAILS

Construction

- Decorative design and simple installation
- Specular Metal Reflectors assist in directing all light downward for maximum output with smooth light distribution
- Frosted and Clear Acrylic Shades available optional bottom lenses
- Decorative Leg Kits available
- Flexible Cable or Rigid Stem Mono-point Ceiling Canopy installation
- Flexible Cable installation includes a 120-inch field adjustable Flexible Cable
- Rigid Stem Mounting includes a sloped ceiling canopy (up to a 45-degree slope) with 6-inch Stem are included. Additional various Stem lengths are sold separately, ranging from 6- to 48-inches long
- Maximum Stem Length: 10 feet with use of coupling option

Performance Summary

- Light engine consists of a high output LED array available in 2700K, 3000K, 3500K and 4000K color temperatures
- CRI of 80 min., 83 typical; high CRI of 90+ available
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- SCPL Pendants are available for non-dimming and dimming applications using 0-10V Dimming
- The SCPL Series utilizes drivers manufactured by Osram; consult factory for more information
- 6W Canopy Mounted Lithium Ion Emergency Battery Back-Up option available, delivers up to 780Lm for 90 minutes of power loss
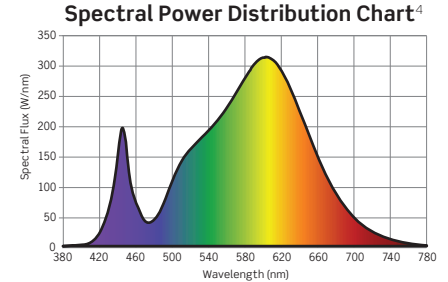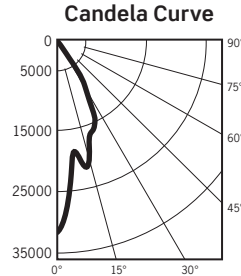
SCPL Series | High Performance LED Pendants

SCPL430KMVD2CNHFC / ACL16: 3000K, 90CRI, 16 INCH CLEAR LEXALITE™ ACRYLIC SHADE

Fixture Delivered Lumens: 21788.46
Total Watts@120V: 170.0
Lumens Per Watt: 128.2
Center Beam Candle Power: 31968
Beam Distribution: 47.3°
Spacing Criterion: 0.79
Color Rendering Index (CRI)[1]: 82.3
Color Temperature (CCT)[2]: 3143K

Designed for 50,000 Hour Lamp Life[3]
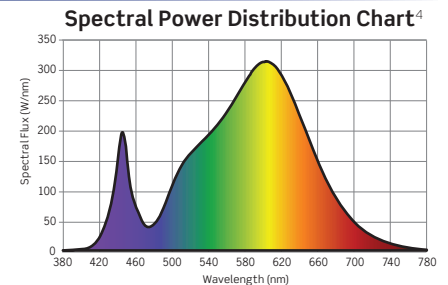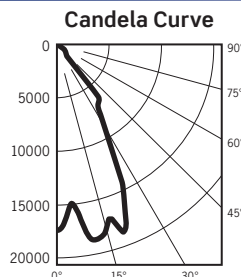LM-63 Test No. G22052401
LM-79 Test No. S22052501

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	888.0	5.3
8 FT	499.5	7.0
10 FT	319.7	8.8
12 FT	222.0	10.5
14 FT	163.1	12.3
16 FT	124.9	14.0

Candela Curve

Spectral Power Distribution Chart[4]

SCPL430KMVD2CNHFC / ACL22: 3000K, 90CRI, 22 INCH CLEAR LEXALITE™ ACRYLIC SHADE

Fixture Delivered Lumens: 21304.27
Total Watts@120V: 170.2
Lumens Per Watt: 125.2
Center Beam Candle Power: 17498
Beam Distribution: 60.6°
Spacing Criterion: 0.94
Color Rendering Index (CRI)[1]: 82.3
Color Temperature (CCT)[2]: 3143K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22052402
LM-79 Test No. S22052501

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	486.1	7.0
8 FT	273.4	9.4
10 FT	175.0	11.7
12 FT	121.5	14.0
14 FT	89.3	16.4
16 FT	68.4	18.7

Candela Curve

Spectral Power Distribution Chart[4]

SCPL430KMVD2CNHFC / CRM16: 3000K, 90CRI, 16 INCH MEDIUM BEAM SPECULAR ALZAK SHADE

Fixture Delivered Lumens: 19862.67
Total Watts@120V: 170.1
Lumens Per Watt: 116.77
Center Beam Candle Power: 9332
Beam Distribution: 75.3°
Spacing Criterion: 1.08
Color Rendering Index (CRI)[1]: 82.3
Color Temperature (CCT)[2]: 3143K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22052401
LM-79 Test No. S22052501

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	259.2	9.3
8 FT	145.8	12.3
10 FT	93.3	15.4
12 FT	64.8	18.5
14 FT	47.6	21.6
16 FT	36.5	24.7

Candela Curve

Spectral Power Distribution Chart[4]
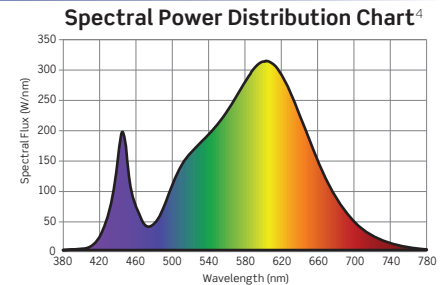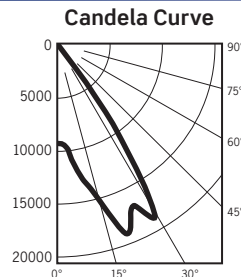
SCPL430KMVD2CNHFC / CRW22: 3000K, 90CRI, 22 INCH WIDE BEAM SPECULAR ALZAK SHADE

Fixture Delivered Lumens: 20973.85
Total Watts@120V: 170.1
Lumens Per Watt: 123.3
Center Beam Candle Power: 7016
Beam Distribution: 104.4°
Spacing Criterion: 1.72
Color Rendering Index (CRI)[1]: 82.3
Color Temperature (CCT)[2]: 3143K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G22052404
LM-79 Test No. S22052501

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	194.9	15.5
8 FT	109.6	20.6
10 FT	70.2	25.8
12 FT	48.7	30.9
14 FT	35.8	36.1
16 FT	27.4	41.2

Candela Curve

Spectral Power Distribution Chart[4]
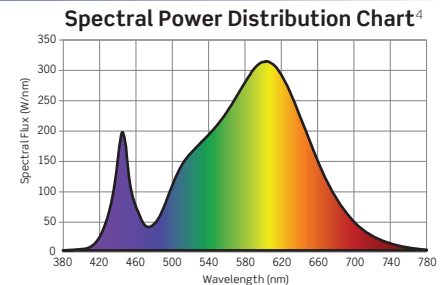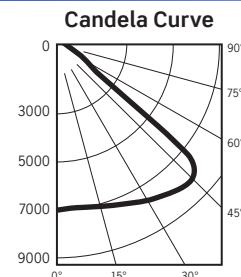
1. Accuracy of Rendering Colors   2. Color Appearance of Light Source   3. Dependent on Surrounding Temperatures   4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature and Luminaire Wattage/Output. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS								OUTPUT MULTIPLIERS
CCT	STD CRI	CCT	STD CRI	CCT	STD CRI	CCT	STD CRI	137W/SCPL2
2700K	0.92	3000K	1.00	3500K	1.03	4000K	1.04	0.77

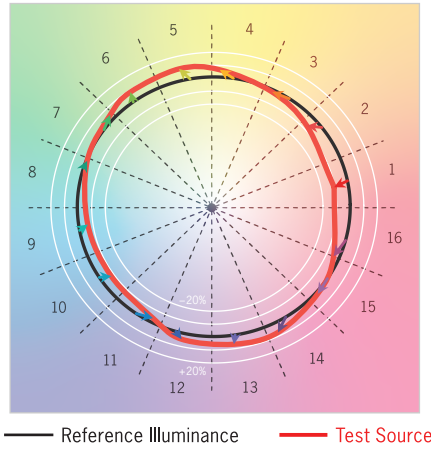# SCPL Series | High Performance LED Pendants

SCPL430KMVD2CNHFC / ACL16: 3000K, 90CRI, 16 INCH CLEAR LEXALITE™ ACRYLIC SHADE

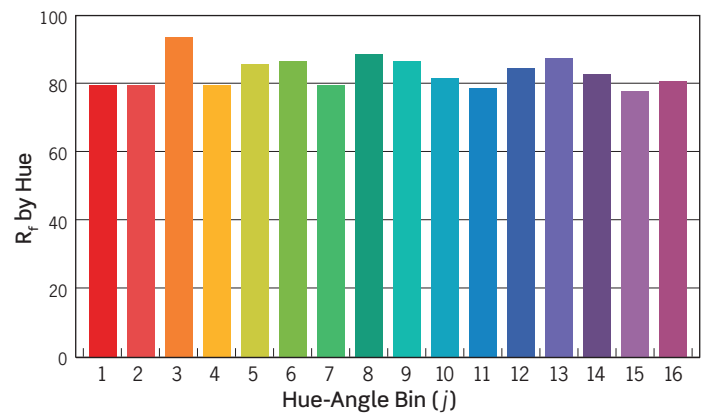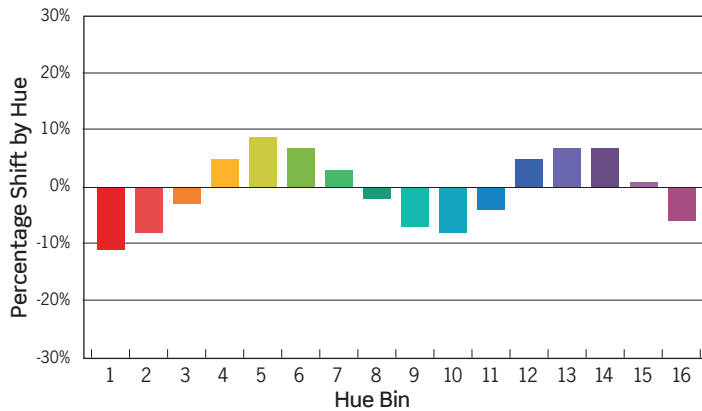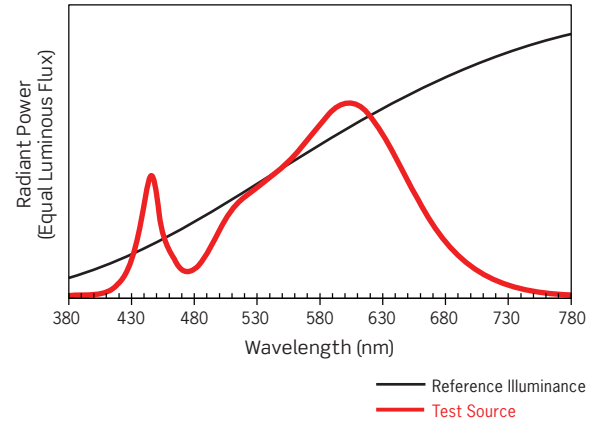ANSI/IES TM-30-18 Color Rendition Report Test No. S22052501   Colors are for visual orientation purposes only

R_f	83
R_g	98
CCT(K)	3143K
D_{uv}	0.0007
u^I	0.2455
v^I	0.5195

Color Vector Graphic

—— Reference Illuminance   —— Test Source

Spectral Power Distribution Comparison

—— Reference Illuminance
—— Test Source

HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	−11%	−8%	−3%	5%	9%	7%	3%	−2%	−7%	−8%	−4%	5%	7%	7%	1%	−6%
R_f VALUE	81	81	75	81	87	88	81	90	88	83	80	86	89	84	79	82