



SKY2S-LED

LED Area light



Post Top Mount



Direct Pole Mount



Surface Mount

The SKY2S-LED series are performance area light with selectable features ideal for a wide range of applications including commercial and retail parking lots, car dealerships, and roadway lighting.

IDEAL APPLICATIONS

- Car Dealerships
- Parking Lots
- Courtyards

SPECIFICATIONS

	SKY2S-LED80A40	SKY2S-LED150A100		SKY2S-LED80A40	SKY2S-LED150A100
PERFORMANCE			CONSTRUCTION		
Light Output	10000/7500/5000 lm (Lumen Selectable)	18700/15000/12500 lm (Lumen Selectable)	Housing	Die-cast Aluminum	
Efficacy	125 lm/W		Lens	Semi-frosted polycarbonate	
CCT	4000/5000K (CCT Selectable)*, 3000K		Paint Finish	Weather and corrosion resistant polyester powder coat finish	
Beam Distribution	Symmetrical* Wide Asymmetrical Elliptical Horizontal Elliptical Vertical		AMBIENT OPERATING TEMPERATURE		
LED Lifetime (L70)	>110,000 Hrs		-40°C to 45°C		
CRI	80		MOUNTING		
B-U-G	B4-U0-G3		Twin Arm (Post Top for 3" Tenon) Direct Pole Mount, Surface Mount (Canopy/Garage)		
ELECTRICAL			CERTIFICATIONS		
Wattage	80/60/40W	150/120/100W	cETLus certified as per UL1598 & CSA C22.2 NO.250.0:21		
Voltage	120-347V		DLC Premium		
Surge Protection	10kV External Standard as per UL1449		CONTROLS		
Power Factor	0.95		0-10V Dimming (Dim to Off) Twist lock Photocell, 3PIN, 7PIN, Microwave Motion Sensor PCLS (Photocell, CCT, Lumen Select)		
THD	6.8%				
Supply Cord	600V, STW (5x18 AWG)				

All reported values were tested at 277V and 4000K and shown for the highest lumen setting

*Standard Configuration

Default Setting: Highest lumen, 4000K



ORDERING GUIDE

SKY2S		H				DIM			SP10
Fixture	Wattage	Voltage	Colour Temp.	Beam Distribution	Finish	Dimming	Smart Controls	Mounting	Surge Protection
LED80A40 LED150A100		H - 120-347V	VK - Colour Selectable (4000K/ 5000K)* 3K - 3000K	SD - Symmetrical* WA - Wide Asymmetrical EH - Elliptical Horizontal EV - Elliptical Vertical	BLK - Black* CST - Custom Finish	DIM - 0-10V Dimming	Blank* PC - Photocontrol PCLS - Photocell CCT Lumen Sensor 3PIN - 3 PIN Receptacle 7PIN - 7 PIN Receptacle DHFS - Dimming, High Frequency Motion Sensor	PT2A - Post Top Mount with Twin Arm* PLM - Pole Mount Arm for Round or Square Poles SM - Surface Mount	SP10 - 10kV Surge Protection

*Standard Configuration

STOCK CODES	
083900	SKY2S-LED150A100-H-VK-SD-BLK-DIM-PT2A-SP10
083905	SKY2S-LED80A40-H-VK-SD-BLK-DIM-PT2A-SP10

ACCESSORIES SOLD SEPARATELY	
	083541 - Cut off Shield BLK (HCO)

LUMEN MAINTNANCE		
L90	L80	L70
48,000hrs	102,000hrs	120,000hrs

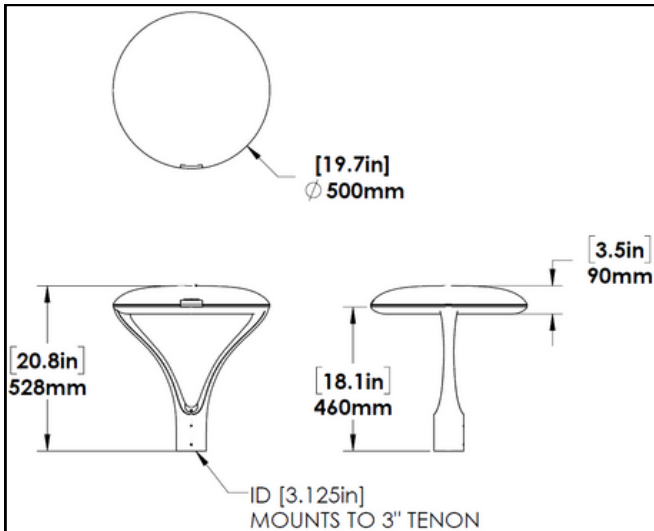
MAX AMPERAGE DRAW (A)					
	120V	208V	240V	277V	347V
SKY2S-LED80A40	0.73	0.42	0.37	0.32	0.25
SKY2S-LED150A100	1.38	0.79	0.69	0.60	0.48

Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

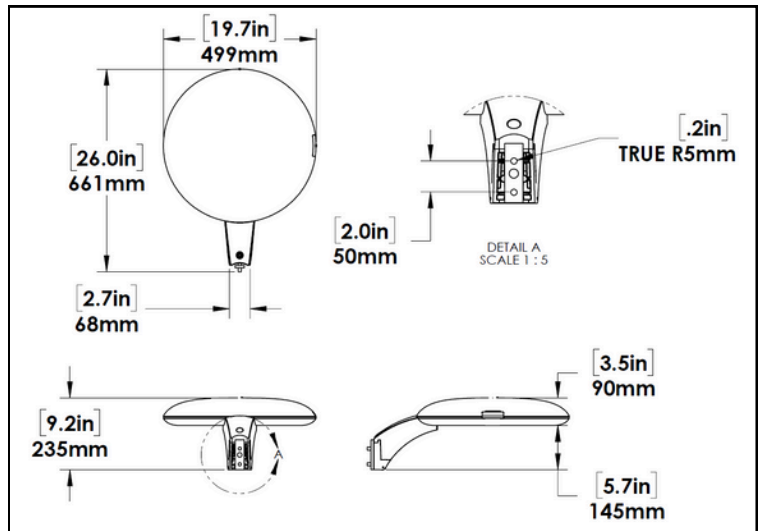
EPA & Weight		
Model	EPA	Weight
SKY2S - PT2A	1.06 ft ²	26lbs
SKY2S - PLM	0.81 ft ²	25lbs

DIMENSIONS

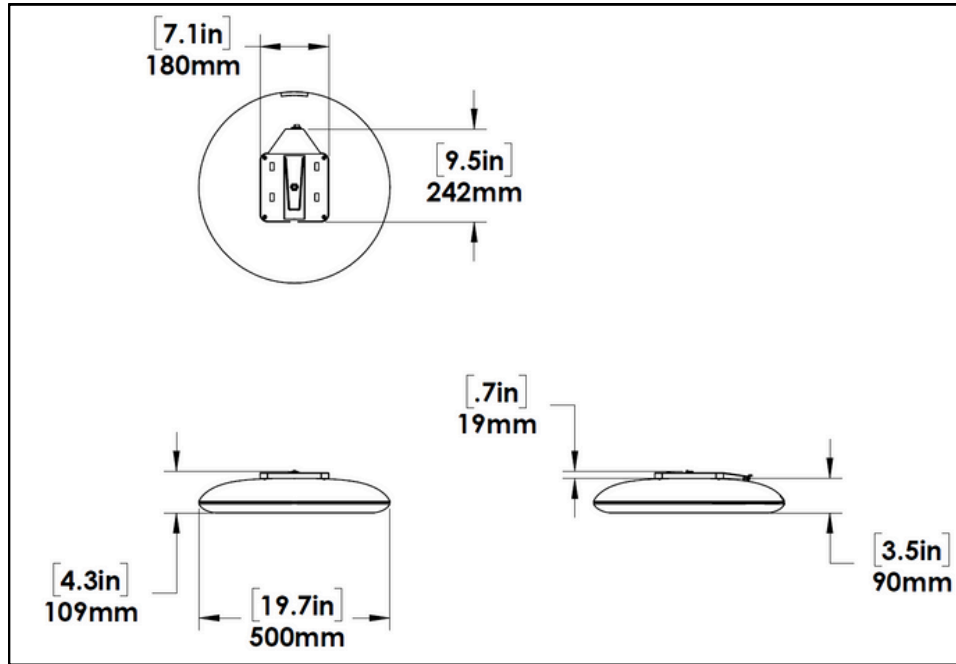
POST TOP MOUNT WITH TWIN ARM (PT2A)



DIRECT POLE MOUNT (PLM)



SURFACE MOUNT (SM)

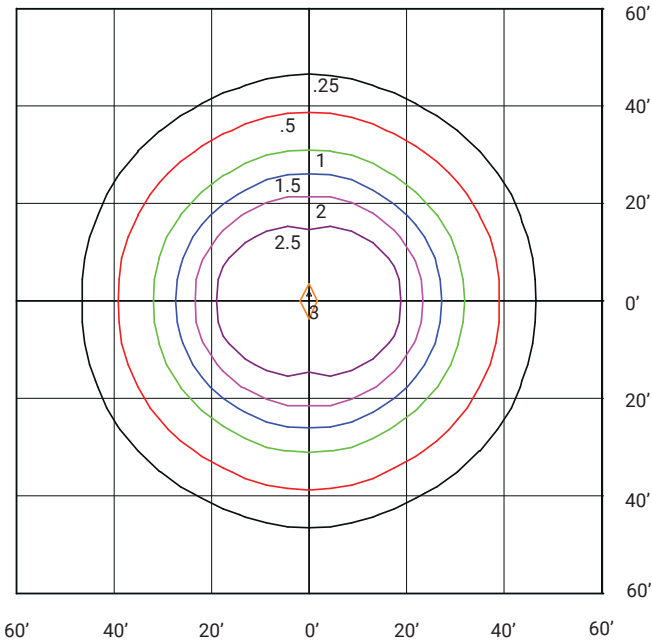


PHOTOMETRIC PLOTS

SKY2S-LED80A40-H-VK-SD-BLK-DIM-PT2A-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

LUMENS 9487.1

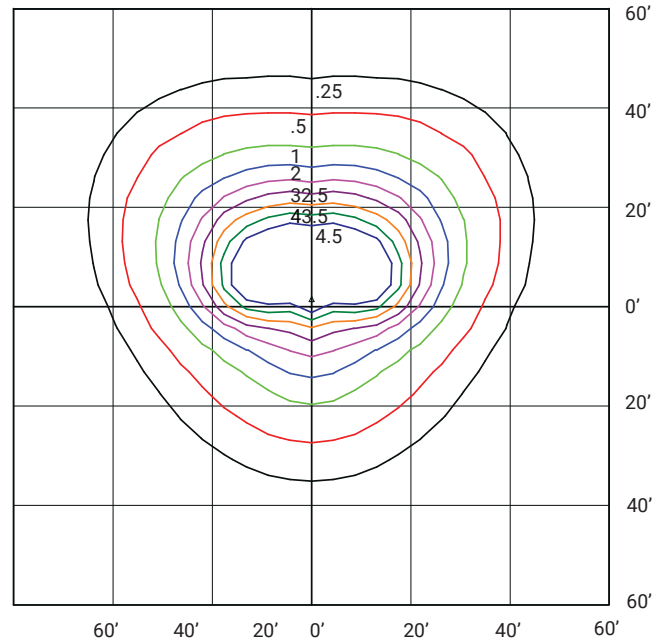
MAX CALCULATED VALUE 3.16 Fc



SKY2S-LED80A40-H-VK-WA-BLK-DIM-PT2A-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

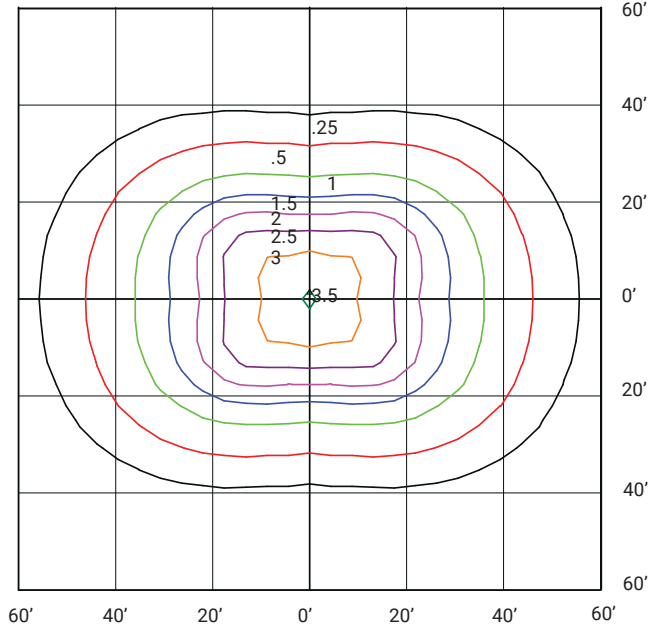
LUMENS 9183.5

MAX CALCULATED VALUE 5.50 Fc



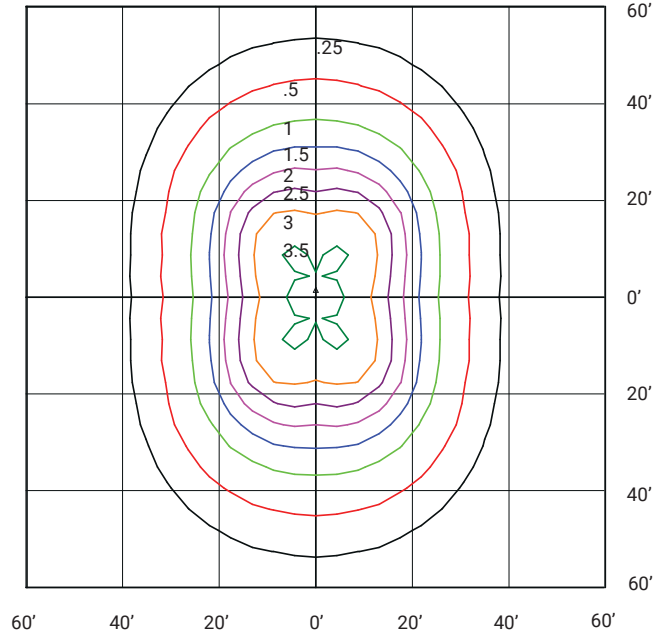
SKY2S-LED80A40-H-VK-EH-BLK-DIM-PT2A-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

LUMENS 10763 MAX CALCULATED VALUE 3.64 Fc



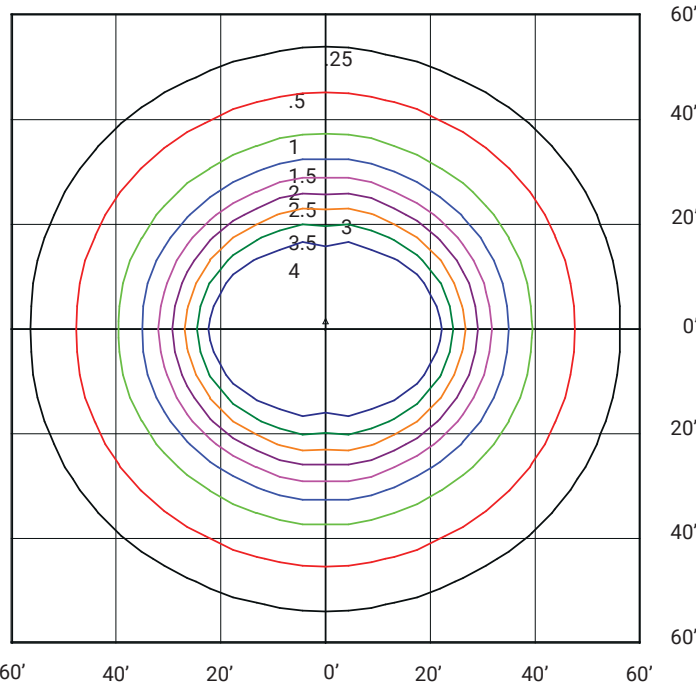
SKY2S-LED80A40-H-VK-EV-BLK-DIM-PT2A-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

LUMENS 11073 MAX CALCULATED VALUE 3.91 Fc



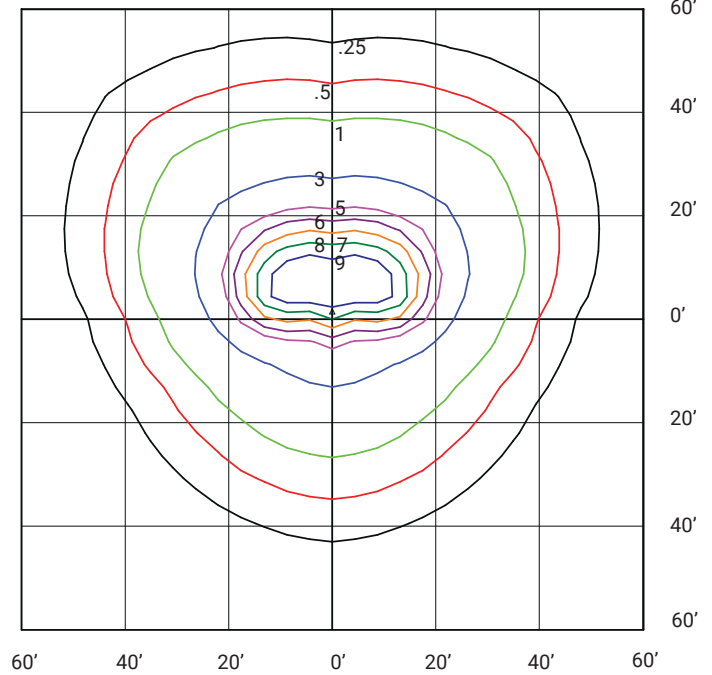
SKY2S-LED150A100-H-VK-SD-BLK-DIM-PT2A-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 17362 MAX CALCULATED VALUE 5.65 Fc



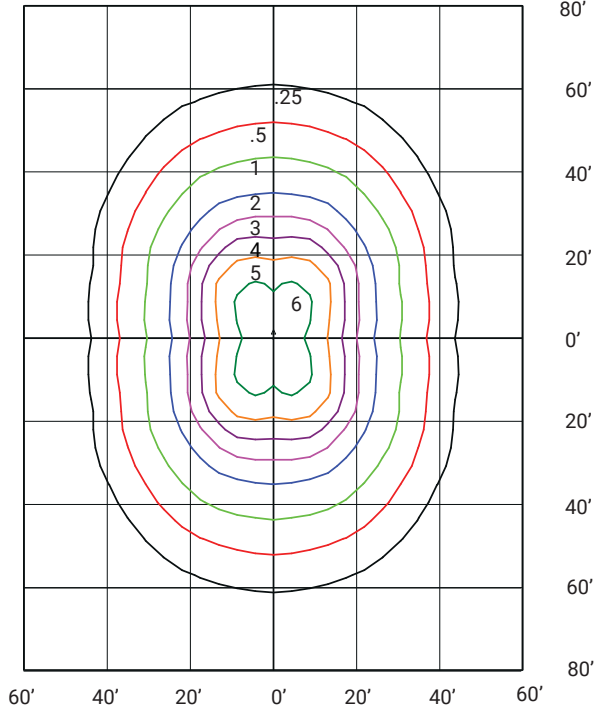
SKY2S-LED150A100-H-VK-WA-BLK-DIM-PT2A-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 17620 MAX CALCULATED VALUE 10.14 Fc



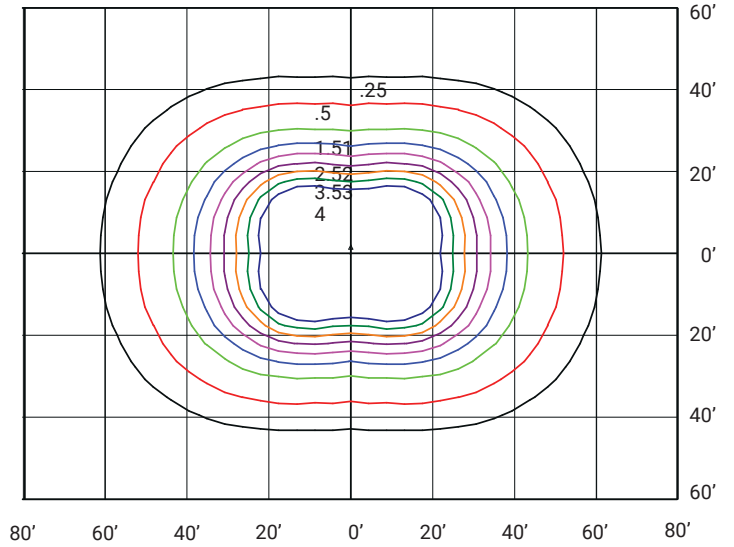
SKY2S-LED150A100-H-VK-EV-BLK-DIM-PT2A-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 19512 MAX CALCULATED VALUE 6.89 Fc



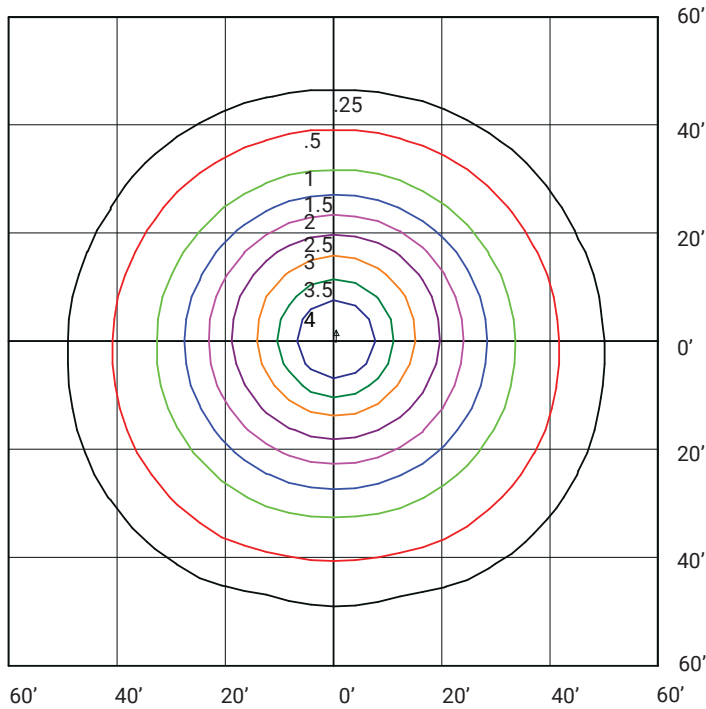
SKY2S-LED150A100-H-VK-EH-BLK-DIM-PT2A-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 17853 MAX CALCULATED VALUE 6.29Fc



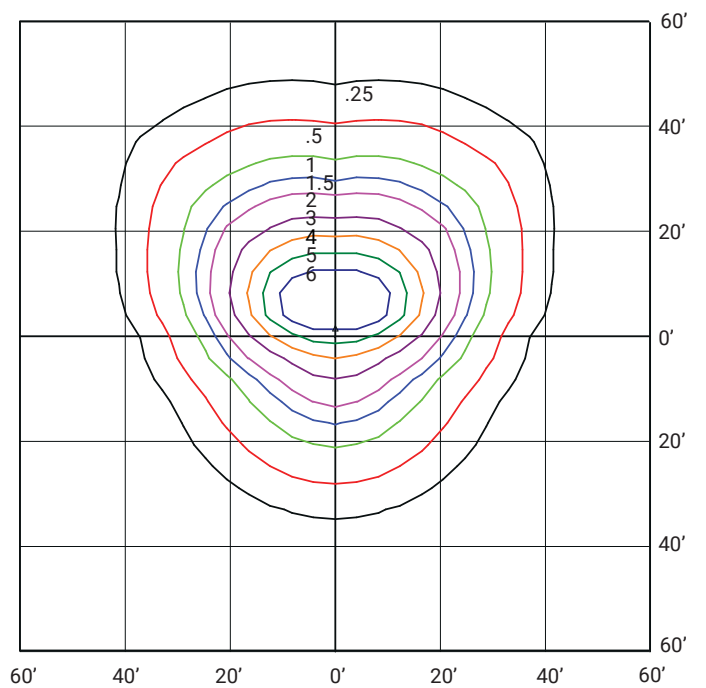
SKY2S-LED80A40-H-VK-SD-BLK-DIM-PLM-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

LUMENS 11181 MAX CALCULATED VALUE 4.58 Fc



SKY2S-LED80A40-H-VK-WA-BLK-DIM-PLM-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

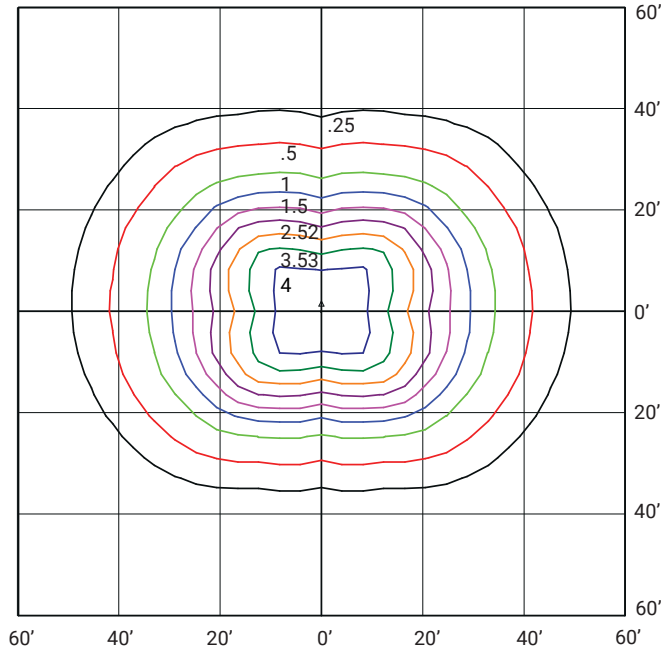
LUMENS 10125 MAX CALCULATED VALUE 7.15 Fc



SKY2S-LED80A40-H-VK-EH-BLK-DIM-PLM-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

LUMENS 10357

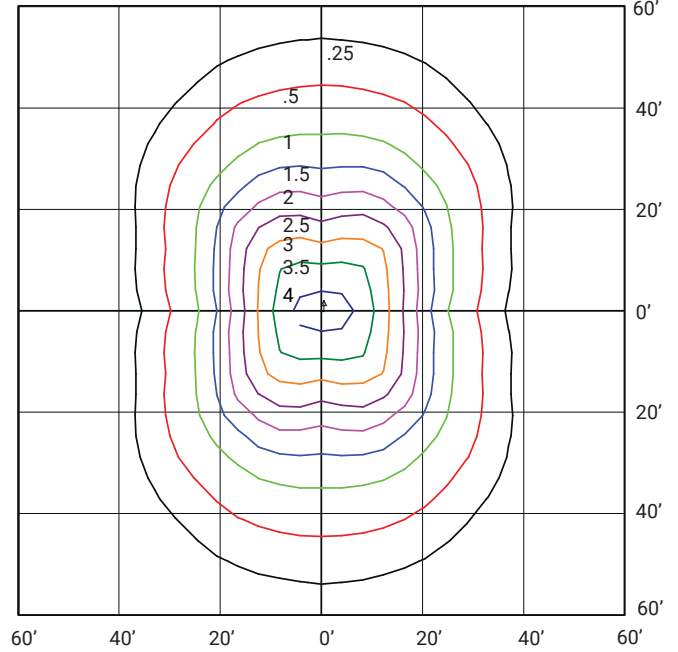
MAX CALCULATED VALUE 4.46 Fc



SKY2S-LED80A40-H-VK-EV-BLK-DIM-PLM-SP10
(80W 120V 4K) MOUNTED AT 20 FEET

LUMENS 10461

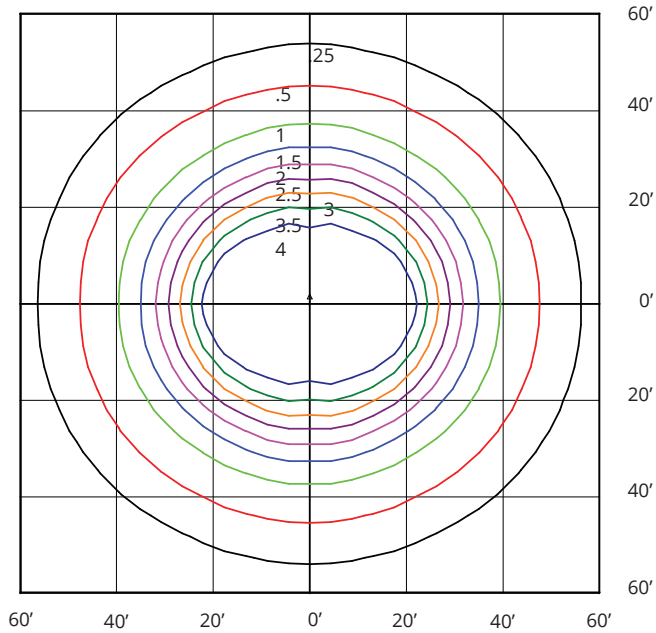
MAX CALCULATED VALUE 4.23 Fc



SKY2S-LED150A100-H-VK-SD-BLK-DIM-PLM-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 17362

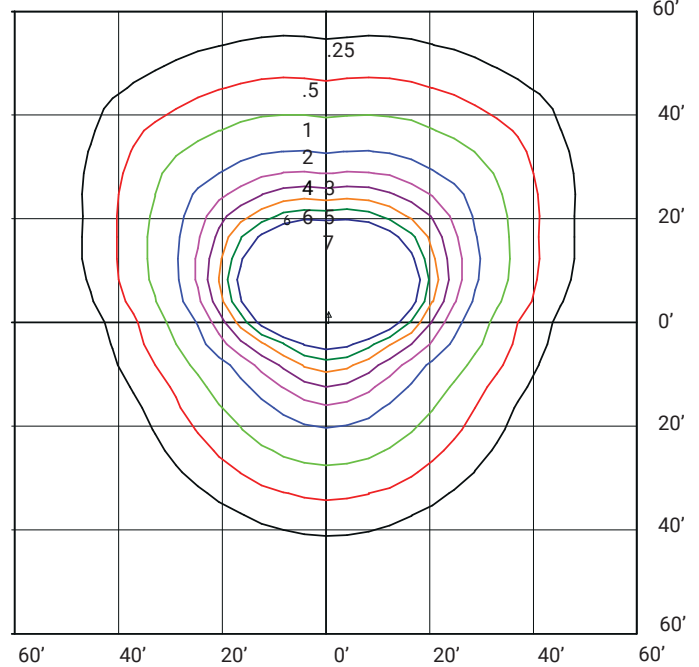
MAX CALCULATED VALUE 5.65 Fc



SKY2S-LED150A100-H-VK-WA-BLK-DIM-PLM-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 18799

MAX CALCULATED VALUE 13.53 Fc



SKY2S-LED150A100-H-VK-EH-BLK-DIM-PLM-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

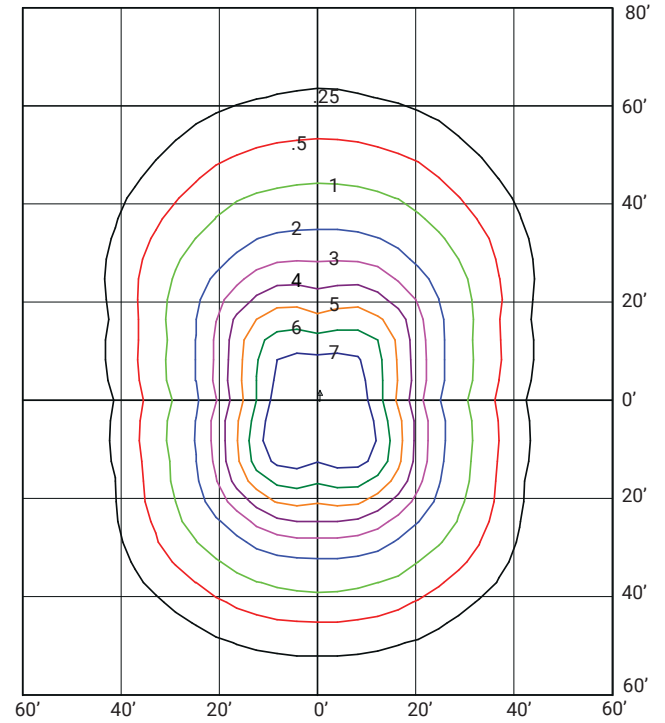
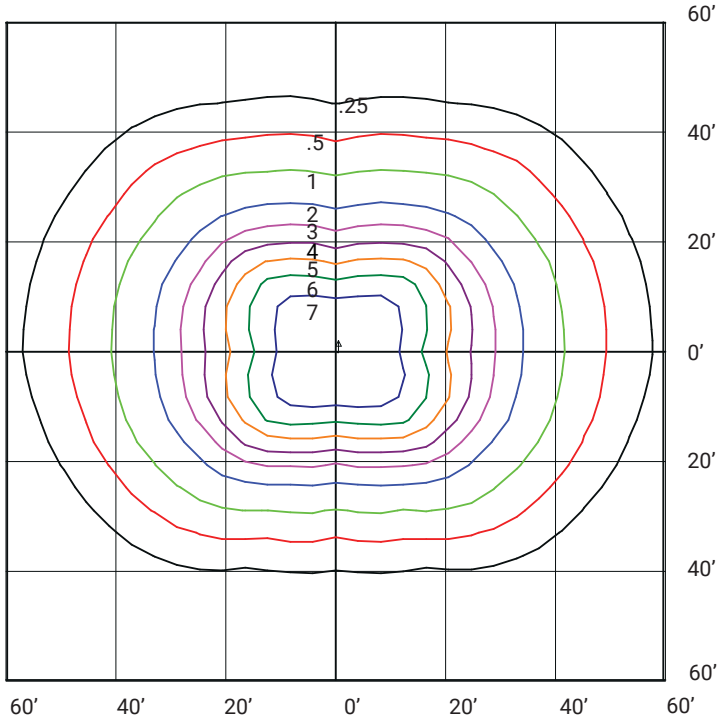
SKY2S-LED150A100-H-VK-EV-BLK-DIM-PLM-SP10
(150W 120V 4K) MOUNTED AT 20 FEET

LUMENS 19939

MAX CALCULATED VALUE 8.41 Fc

LUMENS 19547

MAX CALCULATED VALUE 8.46 Fc



PHOTOCELL/CCT/LUMEN SENSOR (PCLS)



PCLS Controller allows the Installer to adjust colour temperature, brightness, and photocontrol settings using a remote control after installation.

SPECIFICATIONS	
INPUT POWER	LED INPUT : MAX . 250VDC 3A; SENSOR INPUT: 10-14VDC, >30MA
SINKING CURRENT	MAX. 25MA
CONTROL OUTPUT	0-10V OUTPUT SIGNALS
POWER CONSUMPTION	MAX.0.5W
OPERATE LEVEL	10-20LUX ON, 30-80LUX OFF
AMBIENT TEMPERATURE	99%RH
OPERATING TEMPERATURE	-40° F- +158° F (-40°C- +70°C)

FUNCTIONS

PHOTOCELL	CCT	LUMEN
<p>When the ambient light is above set lux values, fixture will not switch on.</p> <p>When the ambient light is below set lux values, fixture will switch on.</p>	<p>Choose between 4000K/5000K</p>	<p>Light levels can be dimmed up or down by increments of 10%</p> <p>Light levels can be lowered to 50% after specified time period for improved energy savings.</p>

RC107 REMOTE SPECIFICATIONS (FOR PCLS CONTROLLER)

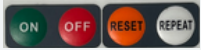
DEFAULT FACTORY SETTING

TASK LIGHT LEVEL	100%
HOLD TIME	DISABLE
PHOTOCELL	LOW
CCT	CCT LOW (NW - 4000K)

FEATURES



Detection Range: 50ft



ON:
Turn on the fixture, the brightness is according to the task level you set.

OFF:
Turn off the fixture, the fixture is permanently off.

RESET:
Task Light Level:100%; Hold Time: Disable; Photocell: Low; CCT:CCT Low (NW - 4000K)

REPEAT: Send the same setting to different fixtures installed.



DIM+:
With each push of the button, brightness increases by 10%.

DIM-:
With each push of the button, brightness decreases by 10%;

Select the task brightness of the fixture as needed.



HOLD TIME:
The "hold time" starts to count right after the fixture turns on. When the "hold time is up, the fixture adjusts to 50% brightness until the light control turns the light fixture off.

DISABLE:
When you choose disabled, the fixture maintains the task light level

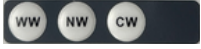


LOW:
When the ambient lux is less than 30lux, the fixture turn on at the task level you set, when the ambient lux is more than 50lux, the fixture turns off.

MIDDLE:
When the ambient lux is less than 80lux, the fixture turn on at the task level you set, when the ambient lux is more than 100lux, the fixture turns off.

HIGH: When the ambient lux is less than 150lux, the fixture turn on at the task level you set, when the ambient lux is more than 180lux, the fixture turns off;

DISABLE:
Photoelectric switch disabled:



CCT :
Adjust CCT(WW - 4000K, CW - 5000K)

Note: Custom settings can be done based on requirements in the Factory.

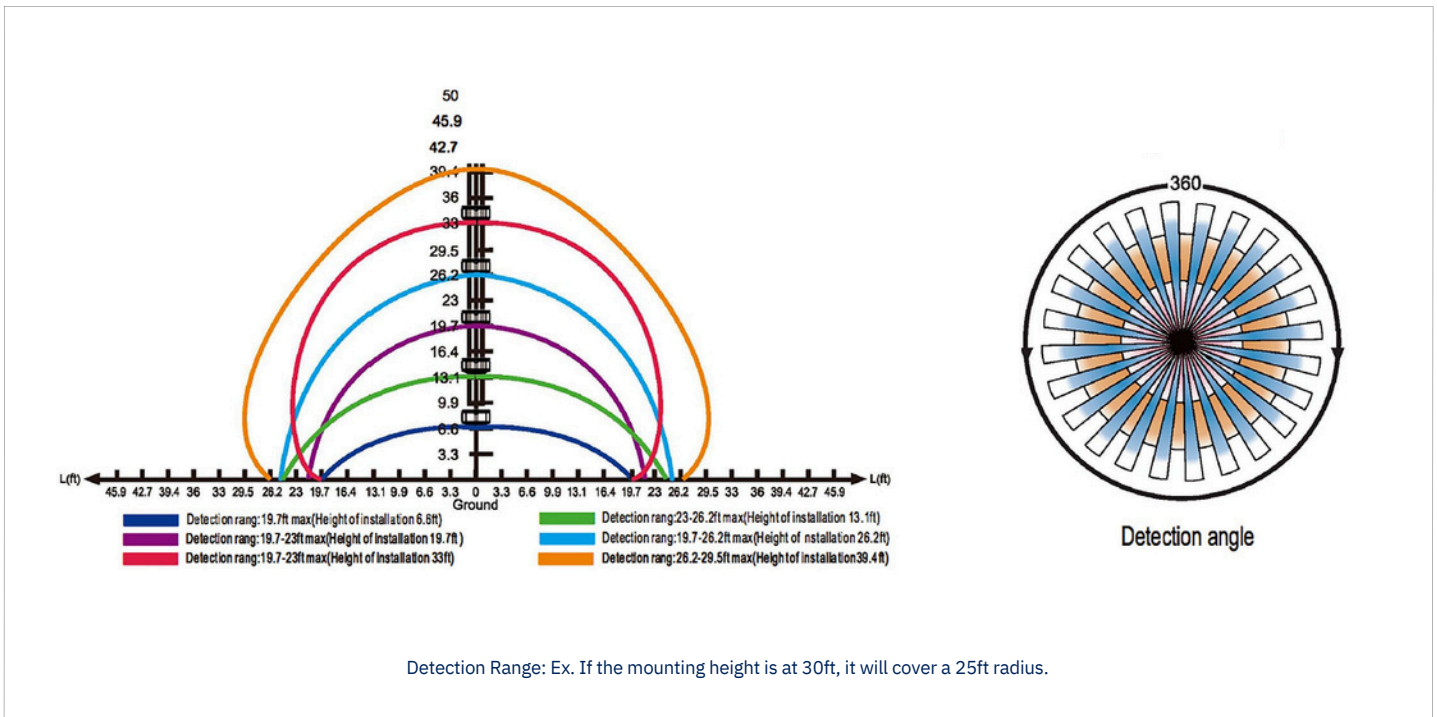
DIMMING HIGH FREQUENCY MOTION SENSOR (DHFS)



DHFS Microwave motion sensor offers a range of control features based on motion detection allowing the Installer to adjust the brightness of the fixture, hold time and daylight settings using a remote control after installation.

SPECIFICATIONS	
POWER SUPPLY	12V-24V DC
HIGH FREQUENCY SYSTEM	5.8GHZ +/-75MHZ
DIM CONTROL OUTPUT	0-1 0V, MAX. 25MA SINKING CURRENT
DETECTION RADIUS/ANGLE	MAX 26FT (8M)/360°
MOUNTING HEIGHT	MAX 40FT
REMOTE RANGE	50FT. (15M) INDOOR, NO BACKLIGHT
HUMIDITY	MAX. 95% RH
TEMPERATURE	-40°F - 158° F (-40°C- 70°C)

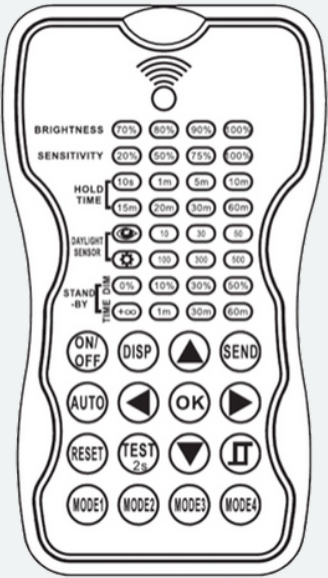
SENSOR COVERAGE



Refer to page 11 for more details on the DHFS Remote Control Usability

RC100 REMOTE SPECIFICATIONS (FOR DHFS CONTROLLER)

DEFAULT FACTORY SETTING	
BRIGHTNESS	100%
SENSITIVITY	100%
HOLD TIME	5 MINS
DAYLIGHT SENSOR	✧
STAND-BY DIM	30%
STAND-BY TIME	60 MINS

FEATURES	
	<p>BRIGHTNESS: Sets the highest light fixture brightness when motion is detected.</p>
	<p>SENSITIVITY: Sets the sensitivity to which the sensor will detect motion.</p>
	<p>HOLD TIME: The time the light fixture will remain at the brightness setting after it detects motion.</p>
	<p>DAYLIGHT SENSOR: The lux setting that the light fixture will turn on/off. If the ambient lux is more than the defined lux setting, the fixture & sensor function will turn off and remain off until the ambient lux is below the setting. To disable the lux sensor, select the SUN icon. To set the lux to match current room conditions, select the EYE icon.</p>
	<p>STAND-BY DIM: The Dim level that the light fixture will dim down after the Hold Time has expired. To disable dimming and only have ON/OFF, select the 0% icon.</p>
	<p>STAND-BY TIME: The time the light fixture will remain in the dim down state before it shuts off. To disable the light from shutting off, select the INFINITY icon.</p>

RC100 REMOTE CONTROL SPECIFICATION	
Power Supply	2 x AAA 1.5V Batteries
Communication Protocol	940 nm IR Tx & Rx
Communication Range	Up to 15m (50 ft)
Operating Temp	0 °C to 50°C (32°F to 122°F)
Dimensions	123x70x20.3mm (4.84"x2.76"x0.8")