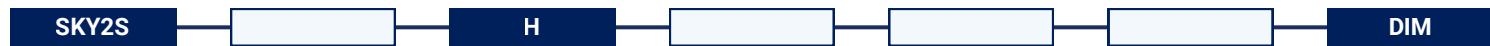




## ORDERING GUIDE



Fixture	Wattage	Voltage	Colour Temp.	Beam Distribution	Finish	Dimming
LED80A40	LED80A40	H - 120-347V*	VK - Colour Selectable (4000K/5000K)*	SD - Symmetrical*	BLK - Black*	DIM - 0-10V Dimming
	LED150A100		3K - 3000K	WA - Wide Asymmetrical	CST - Custom Finish	
				EH - Elliptical Horizontal		
				EV - Elliptical Vertical		



Smart Controls	Mounting	Surge Protection
Blank*	PT2A - Post Top Mount with Twin Arm*	SP10 - 10kV Surge Protection
PC - Photocontrol	PLM - Pole Mount Arm for Round or Square Poles	
PCLS - Photocell CCT Lumen Sensor	SM - Surface Mount	
3PIN - 3 PIN Receptacle		
7PIN - 7 PIN Receptacle		
DHFS - Dimming High Frequency Motion Sensor		
BC - Bluetooth Controlled		

\*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)	
084215	Bluetooth 3-key AC Line Voltage Wall Switch	
084633	Bluetooth 5-key Battery Powered Wireless Wall Switch & Plate <sup>1</sup>	

<sup>1</sup> Wireless Bluetooth module can also be used as portable remote control.

## ADDITIONAL DETAILS

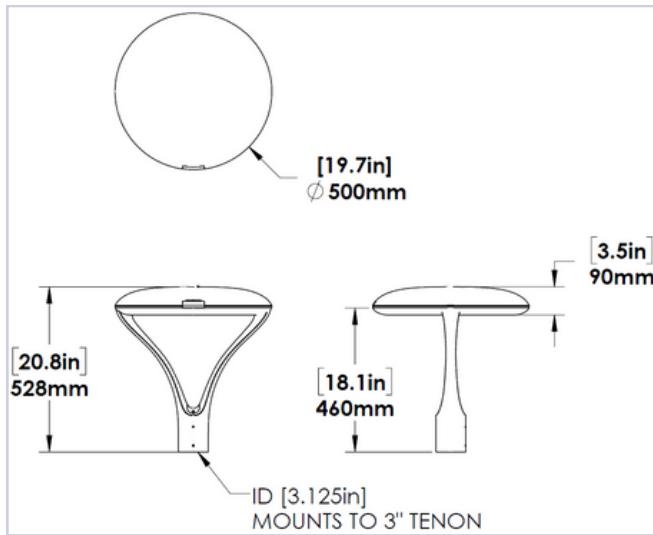
MAX AMPERAGE DRAW (A)						LUMEN MAINTENANCE		
	120V	208V	240V	277V	347V	L90	L80	L70
SKY2S-LED80A40	0.73	0.42	0.37	0.32	0.25	48,000hrs	> 100,000hrs	> 100,000hrs
SKY2S-LED150A100	1.38	0.79	0.69	0.60	0.48			

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

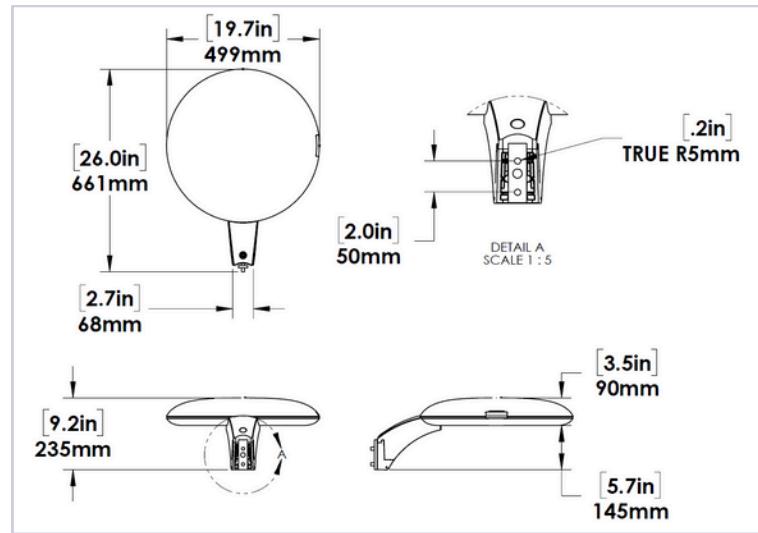
EPA & Weight		
Model	EPA	Weight
SKY2S - PT2A	1.06 ft <sup>2</sup>	11.8kg (26lbs)
SKY2S - PLM	0.81 ft <sup>2</sup>	11.3kg (25lbs)

## DIMENSIONS

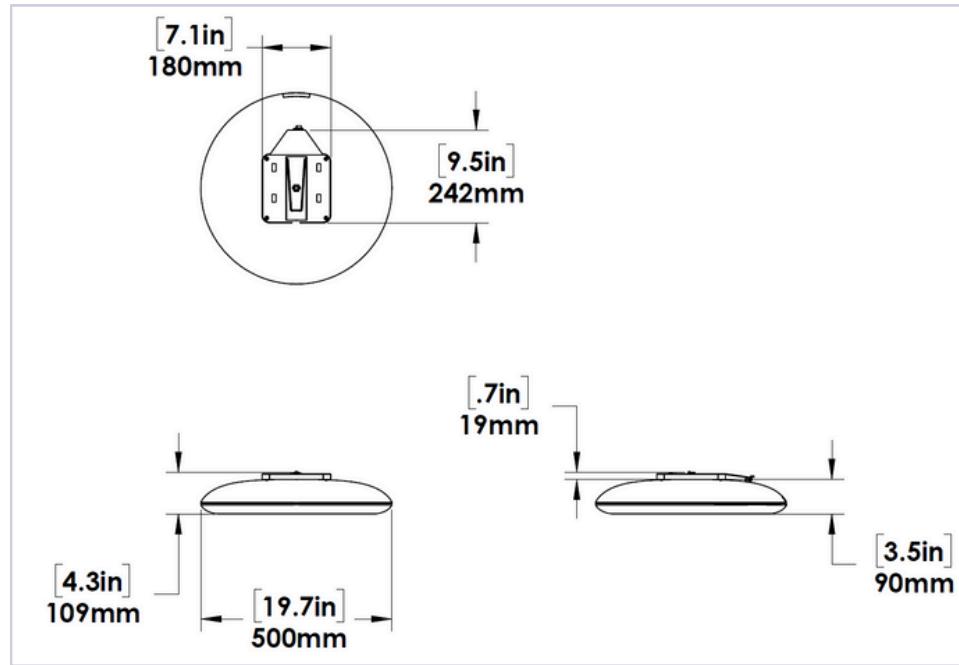
## POST TOP MOUNT WITH TWIN ARM (PT2A)



## DIRECT POLE MOUNT (PLM)



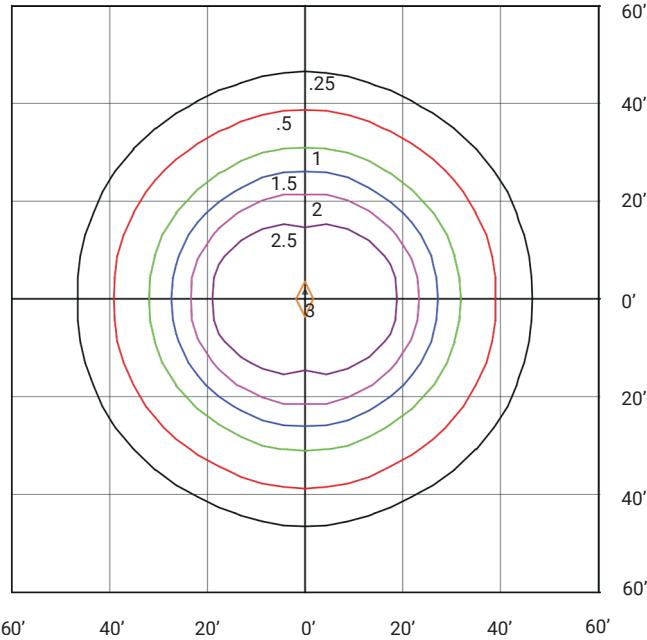
## SURFACE MOUNT (SM)



## PHOTOMETRIC PLOTS

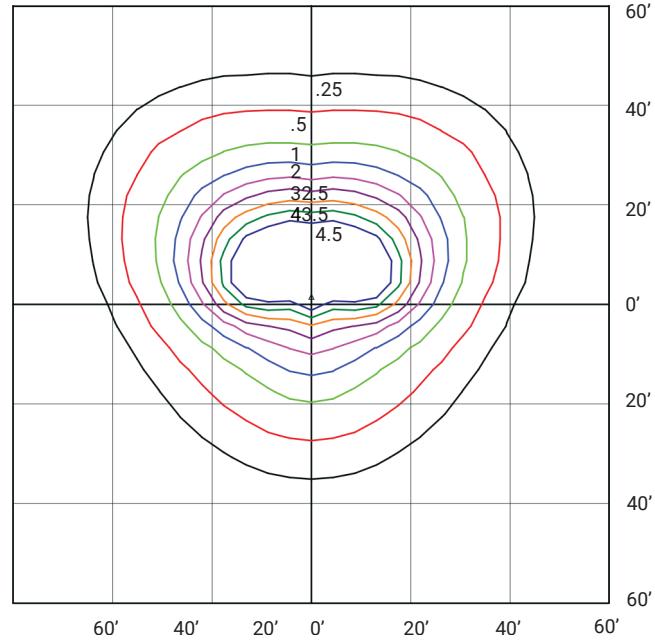
**SKY2S-LED80A40-H-VK-SD-BLK-DIM-PT2A-SP10  
(80W 120V 4K) MOUNTED AT 20 FEET**

LUMENS 9487.1 MAX CALCULATED VALUE 3.16 Fc



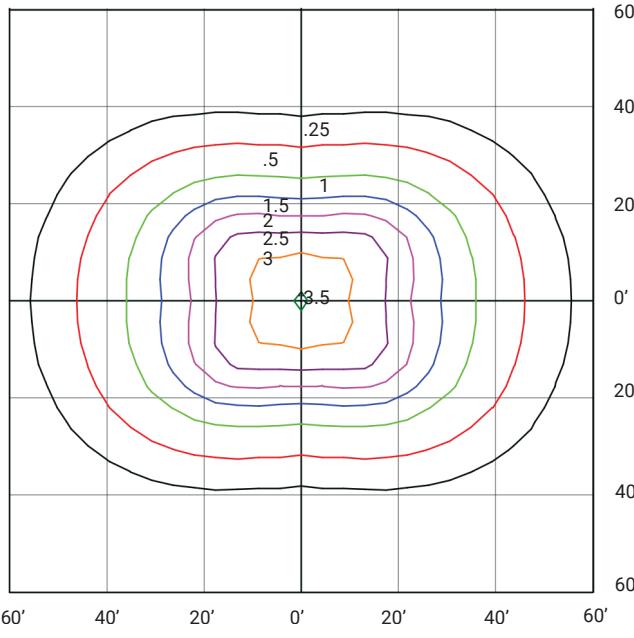
**SKY2S-LED80A40-H-VK-WA-BLK-DIM-PT2A-SP10  
(80W 120V 4K) MOUNTED AT 20 FEET**

LUMENS 9183.5 MAX CALCULATED VALUE 5.50 Fc



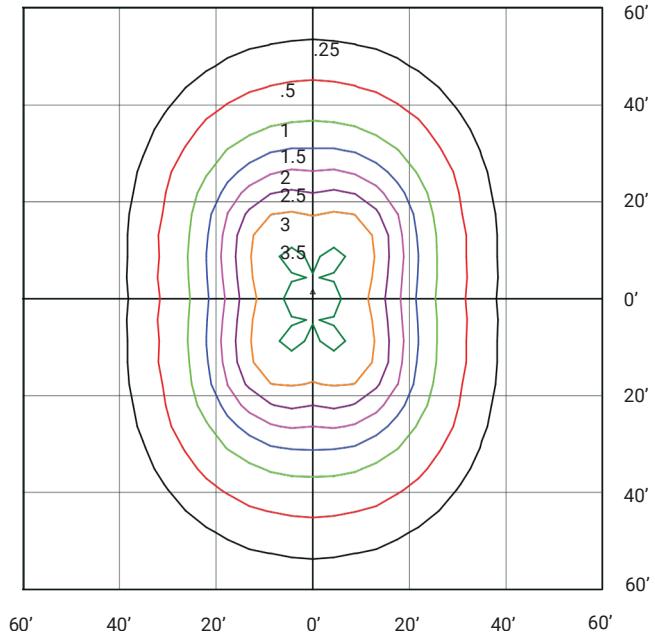
**SKY2S-LED80A40-H-VK-EH-BLK-DIM-PT2A-  
SP10 (80W 120V 4K) MOUNTED AT 20 FEET**

LUMENS 10763 MAX CALCULATED VALUE 3.64 Fc



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

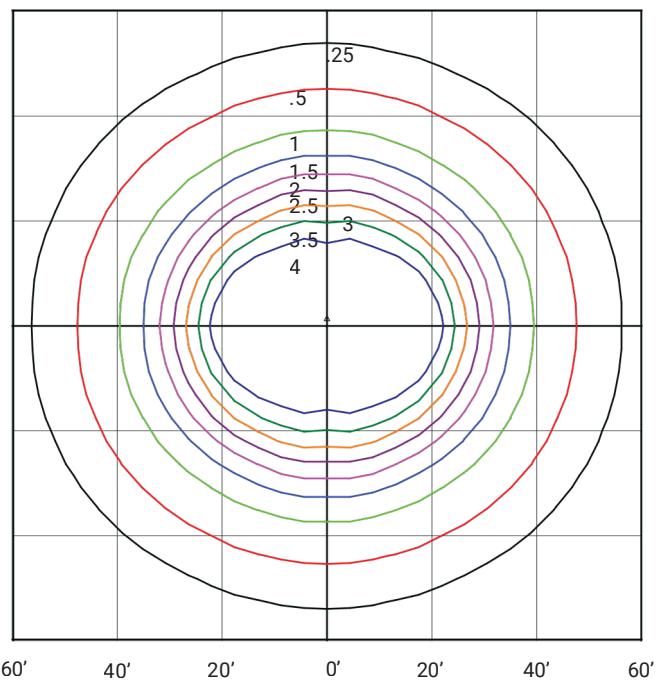
LUMENS 11073 MAX CALCULATED VALUE 3.91 Fc



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

LUMENS 17362

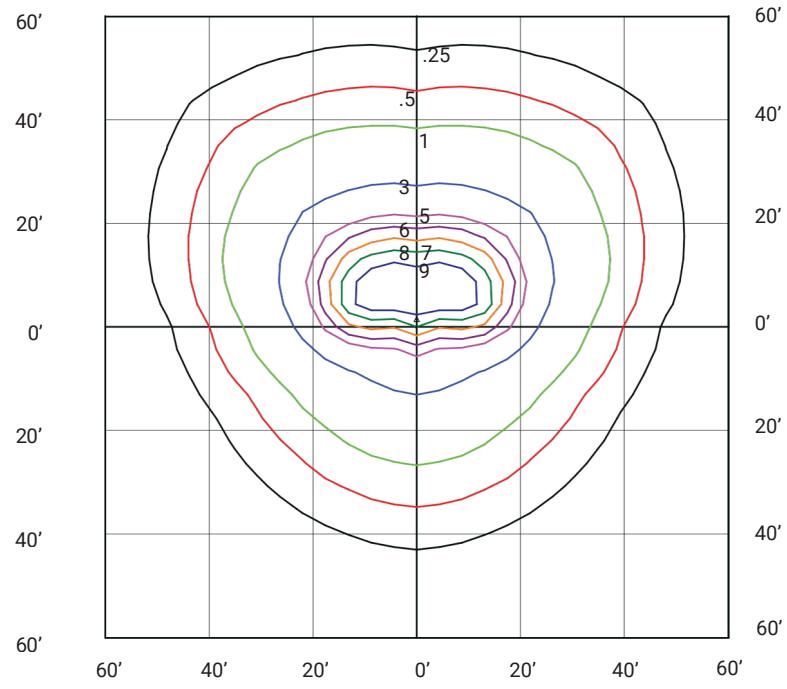
MAX CALCULATED VALUE 5.65Fc



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

LUMENS 17620

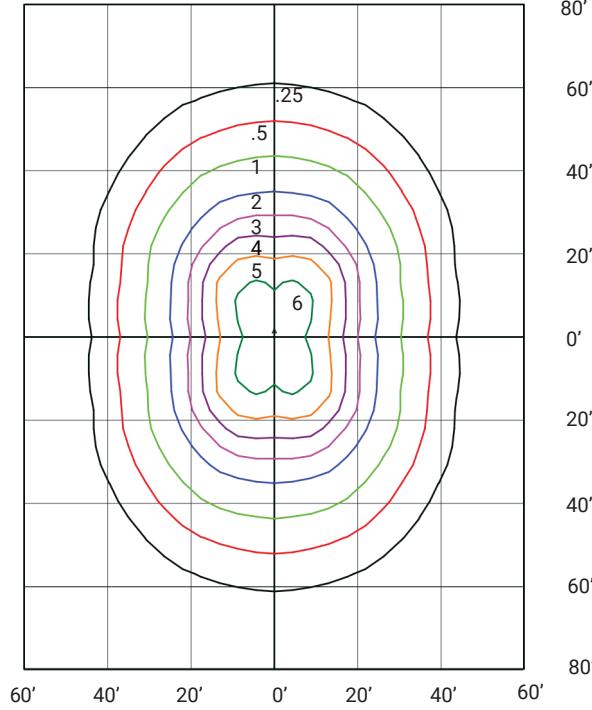
MAX CALCULATED VALUE 10.14Fc



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

LUMENS 19512

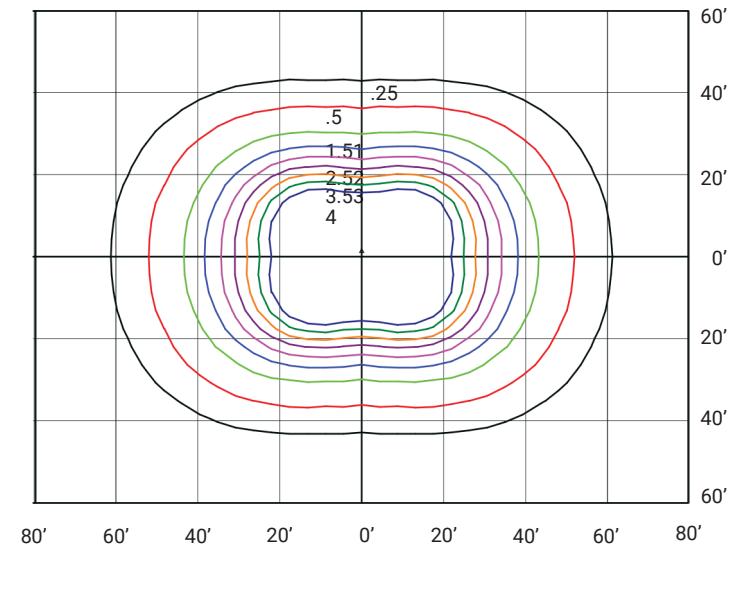
MAX CALCULATED VALUE 6.89 Fc



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

LUMENS 17853

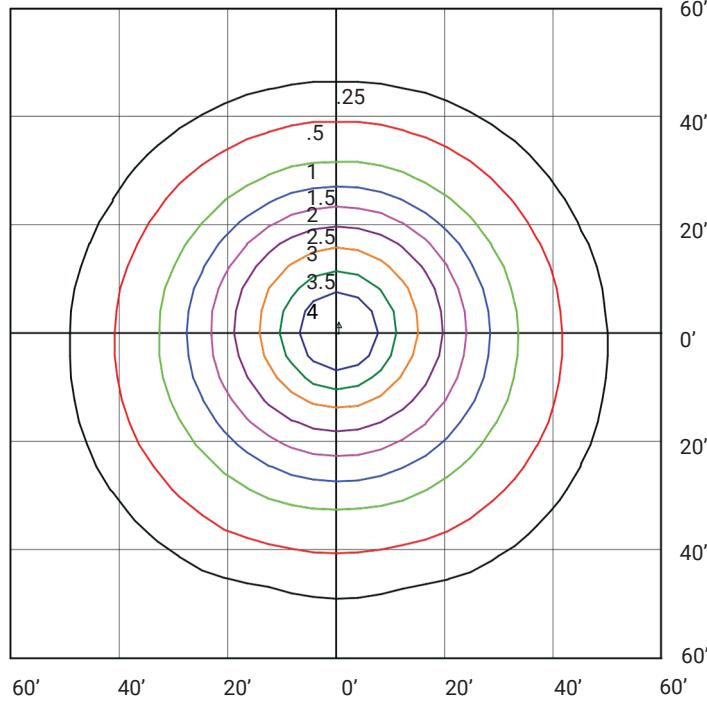
MAX CALCULATED VALUE 6.29Fc



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

LUMENS 11181

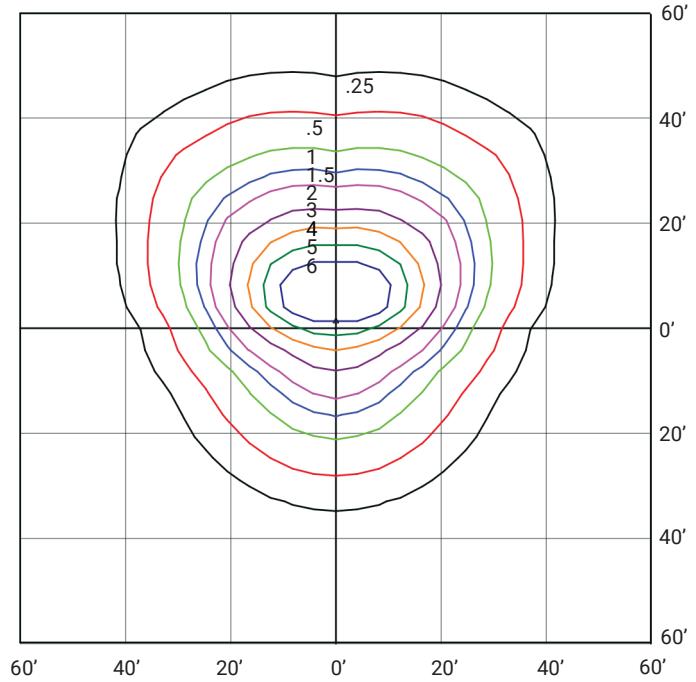
MAX CALCULATED VALUE 4.58 Fc



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

LUMENS 10125

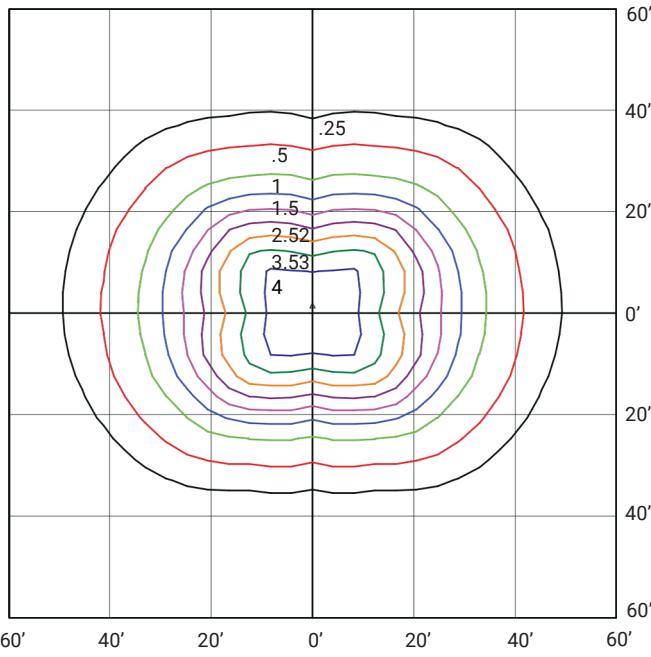
MAX CALCULATED VALUE 7.15 Fc



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

LUMENS 10357

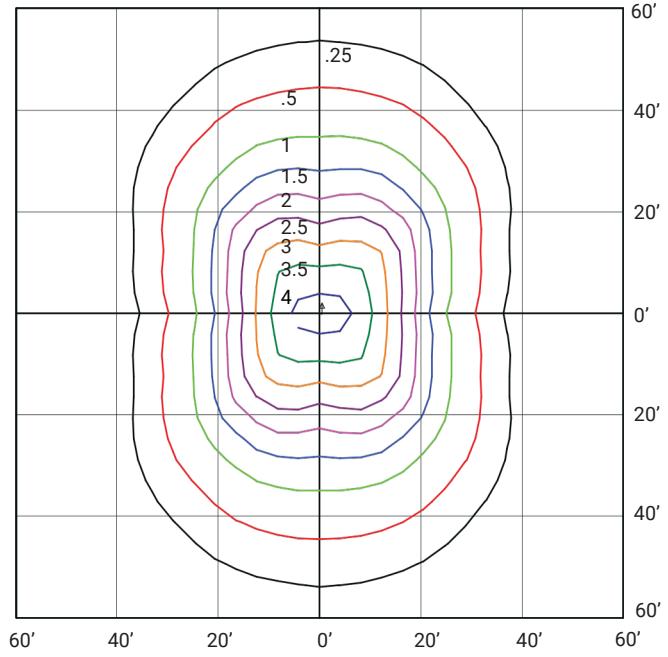
MAX CALCULATED VALUE 4.46 Fc



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

LUMENS 10461

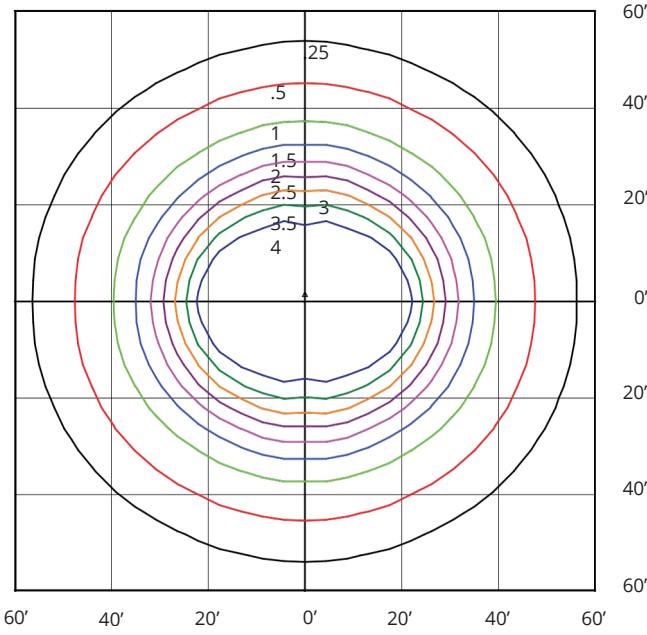
MAX CALCULATED VALUE 4.23 Fc



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

LUMENS 17362

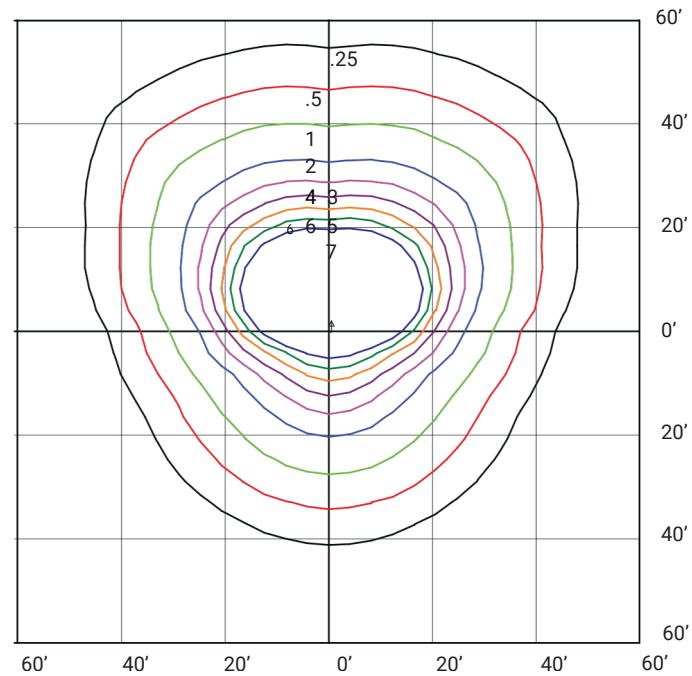
MAX CALCULATED VALUE 5.65 Fc



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

LUMENS 18799

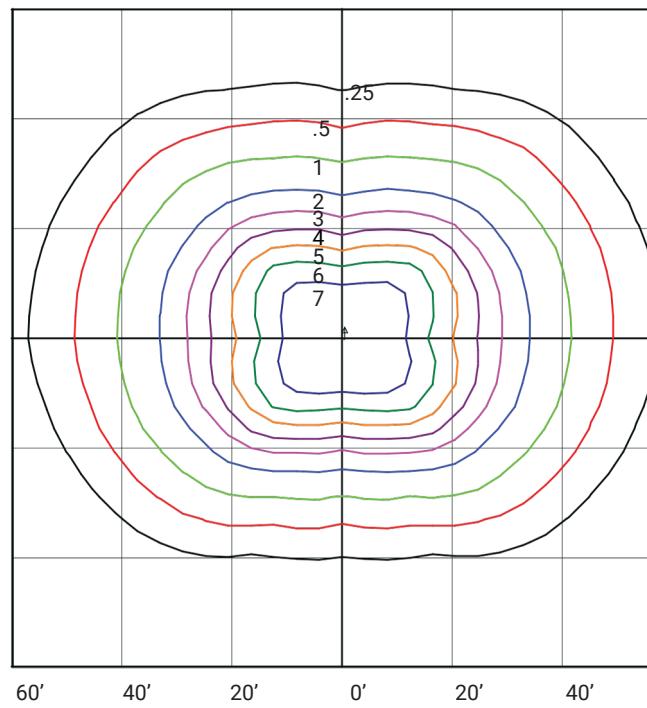
MAX CALCULATED VALUE 13.53 Fc



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

LUMENS 19939

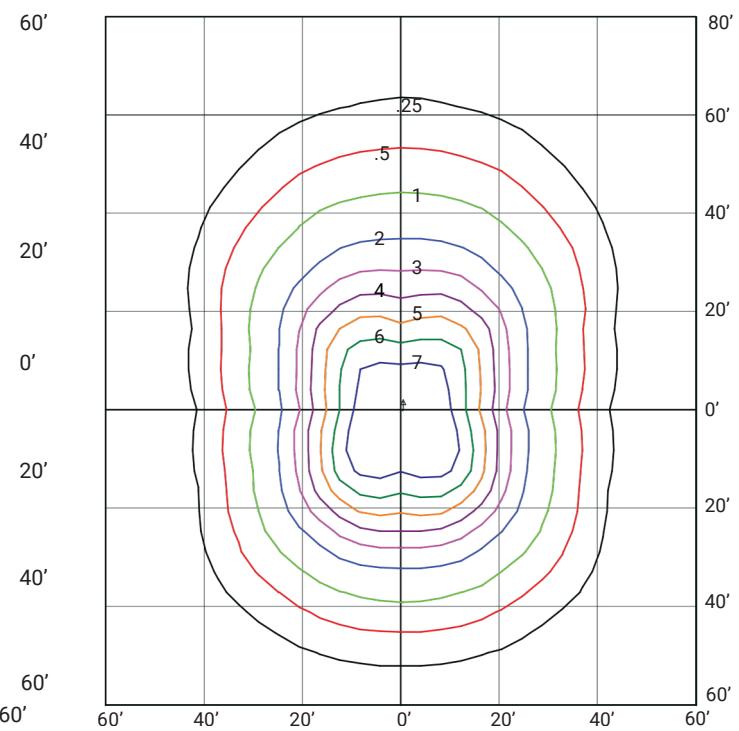
MAX CALCULATED VALUE 8.41 Fc



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

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

## RC107 REMOTE SPECIFICATIONS (FOR PCLS CONTROLLER)



### DEFAULT FACTORY SETTING

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

### FEATURES

	<b>ON:</b> Turn on the fixture, the brightness is according to the task level you set. <b>OFF:</b> Turn off the fixture, the fixture is permanently off. <b>RESET:</b> Task Light Level:100%; Hold Time: Disable; Photocell: Low; CCT:CCT Low (NW - 4000K) <b>REPEAT:</b> Send the same setting to different fixtures installed.
	<b>DIM+:</b> With each push of the button, brightness increases by 10%. <b>DIM-:</b> With each push of the button, brightness decreases by 10%;
	<b>Select the task brightness of the fixture as needed.</b>
	<b>HOLD TIME:</b> 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. <b>DISABLE:</b> When you choose disabled, the fixture maintains the task light level
	<b>LOW:</b> 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. <b>MIDDLE:</b> 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. <b>HIGH:</b> 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; <b>DISABLE:</b> Photoelectric switch disabled:
	<b>CCT :</b> Adjust CCT(WW - 4000K, CW - 5000K)

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

## DIMMING HIGH FREQUENCY MOTION SENSOR (DHFS)

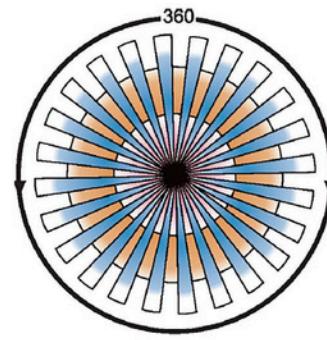
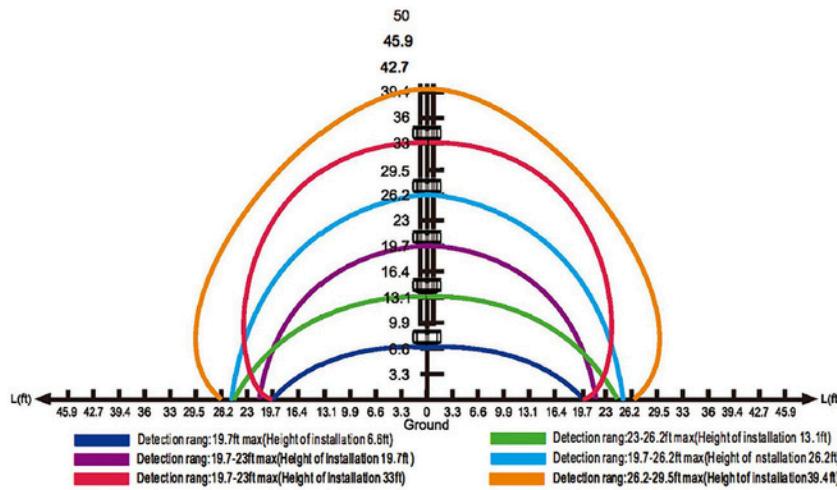


DHFS Microwave motion sensor offers a range of control features based on motion detection allowing the Installer to adjust the brightness of the fixture, hold time and daylight settings using a remote control after installation.

### SPECIFICATIONS

POWER SUPPLY	12V-24V DC
HIGH FREQUENCY SYSTEM	5.8GHZ +/-75MHZ
DIM CONTROL OUTPUT	0-10V, 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



Detection angle

Detection Range: Ex. If the mounting height is at 30ft, it will cover a 25ft radius.

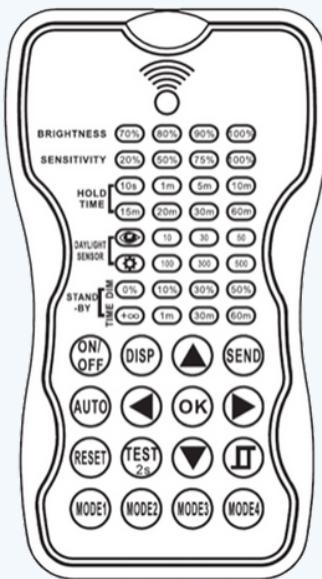
Refer to page 11 for more details on the DHFS Remote Control Usability

## 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

**BRIGHTNESS:**

Sets the highest light fixture brightness when motion is detected.

**SENSITIVITY:**

Sets the sensitivity to which the sensor will detect motion.

**HOLD TIME:**

The time the light fixture will remain at the brightness setting after it detects motion.

**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.

**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.

**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.

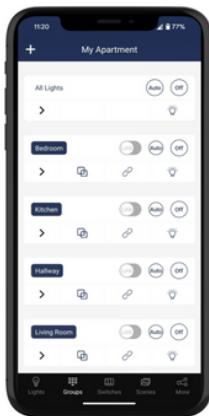
### RC100 REMOTE CONTROL SPECIFICATION

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")

# CONTROLLED

**RAB**<sup>®</sup>  
DESIGN

ControlLED Network Lighting Controls (NLC) delivers secure, wireless lighting management with Bluetooth Mesh and the ControlLED App. Integrated sensors enable automatic adjustments for comfort, safety, and efficiency.



**Organized Workspaces:**  
Create Zones, Groups and Group linkages.



**Dimming Lights:**  
Set dim level for groups or individual lights.



**Scenes:**  
Create custom scenes for different scenarios.



**Schedules:**  
Create custom schedules for recurring events.



**Share Access:**  
Share access using QR codes.

## BLUETOOTH CONTROL

### FEATURES

- Bluetooth mesh network
- DLC - Networked Lighting Control (NLC) & Luminaire Level Lighting Control (LLLC)
- Group and Individual fixture dimming
- Scenes & Schedules

### SPECIFICATIONS

Input Voltage	12 VDC
Input Current	Min 150mA
Output Current	10mA Max.
Dimming	Class 2, 0-10 VDC
Bluetooth Transmit	860ft Max.
Radio Frequency	2.4GHz ±75MHz
Bluetooth Version	5.0

**Get the App!**



**RAB**<sup>®</sup>  
DESIGN

Engineered by skilled hands,  
for skilled hands.

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For more information, visit rabdesign.ca.