



Fixture Type:

The Altman SpectraPAR™ is a low-heat, low-power-consumption, high-output lighting fixture for use where a color-mixing luminaire is required. This indoor/outdoor unit is a 36 one-watt LED color-mixing PAR constructed of cast aluminum and utilizing non-corroding hardware and fittings. Three "specially coated" interchangeable PAR lenses, NSP, MFL and WFL, are supplied with each unit. All joinings have heavy gaskets to protect the LEDs from the ravages of inclement weather.

The SpectraPAR's communication interface uses the Color Kinetics® data interface system and is controlled using Color Kinetics' full line of controllers or other DMX512 (RS-485), when using a Color Kinetics power/data supply.

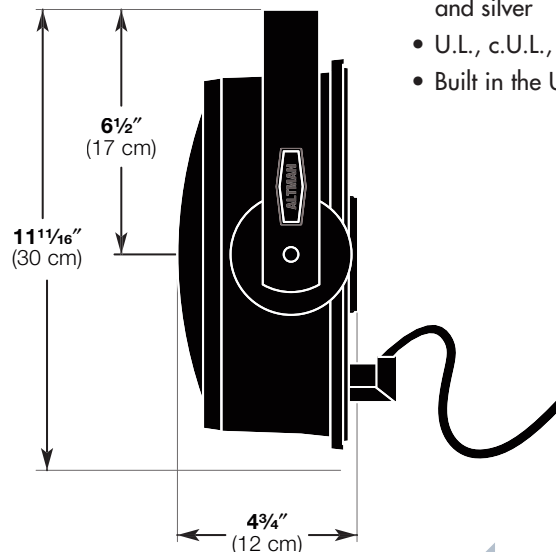
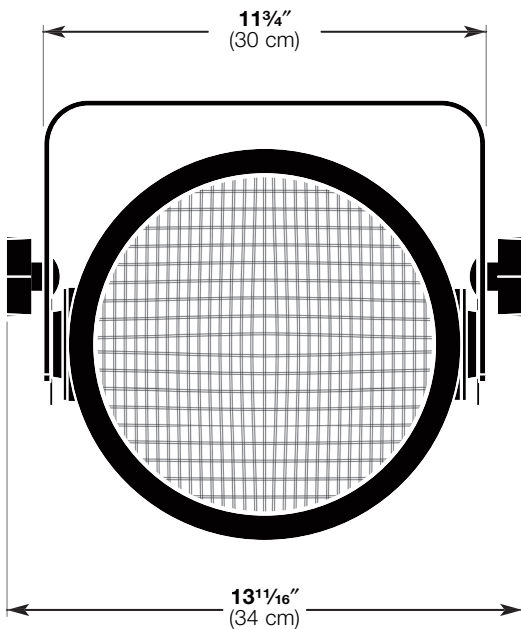
CHROMACORE® technology incorporated in this luminaire.

Specifications subject to change without notice.

50-WATT MAX. (FULL RGB)  
INDOOR/OUTDOOR SPECTRAPAR™

Features

- 16.7 million (24-bit) additive RGB colors; continuously variable intensity output range
- NSP, MFL, and WFL "specially coated" lenses supplied with fixtures
- Wet location / IP66 rating
- Compatible with all Color Kinetics software and controllers
- High-intensity power-emitting diodes (LEDs)
  - Available in black, white, and silver
  - U.L., c.U.L., and C.E. listed
  - Built in the U.S.A.



## Specifications

**Housing:** Cast aluminum with stainless steel hardware.

**Materials:** Corrosion-resistant materials and hardware.

**Yoke:** Rigid aluminum flat stock with dual locking handles and three mounting holes.

**Lenses:** Three included, NSP, MFL, and WFL, with special coating process.

**Cable:** A single 3-wire, 6' cable with bare-end leads.

**Source:** High-intensity power light-emitting diodes (LEDs).

**Ratings:** 24VDC, 50W maximum at full intensity (full RGB).

**Power Supply:** SS-PDS-150E multi-voltage input (sold separately) for use with three SS-PAR64 units.

**Data Interface:** Color Kinetics™ data interface system.

**Control:** Altman/CK full line of controllers or other DMX512 (RS-485) compatible when using Color Kinetics power/data supply.

**Temperature Range:** -4° to 122° F (-20° to 50° C) based on testing of specific product.

**Protection Rating:** Wet location / IP66.

**Finish:** PGIC polyester powder-coat.

**Weight:** 9 lbs. / 4.1 Kg.

## ORDERING INFORMATION

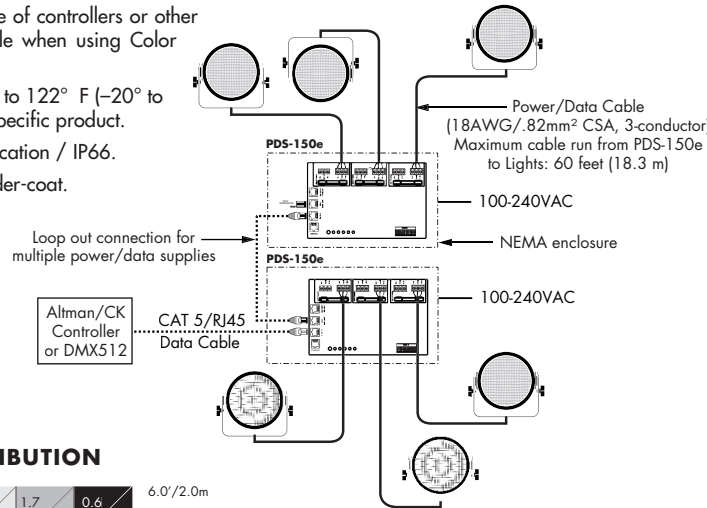
model	color
<b>Part Number: SS-PAR64</b>	<b>( B )lack</b>
	( W )hite
	( S )ilver
	( X ) Custom

Catalog Numbers  
SS-PAR64

### ACCESSORIES SUPPLIED WITH LUMINAIRE

18-SS-8-N	8" Coated LED Narrow Lens (NSP)
18-SS-8-M	8" Coated LED Medium Lens (MFL)
18-SS-8-W	8" Coated LED Wide Lens (WFL)
SC-36-BK	36" Black Safety Cable with Spring Clip

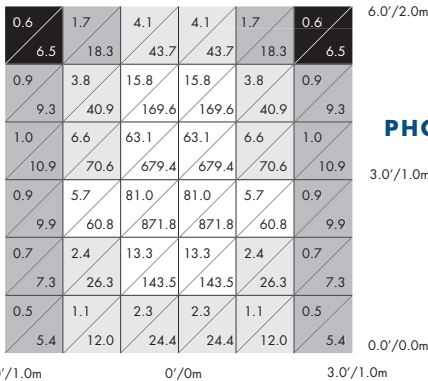
## SPECTRAPAR FUNCTIONAL FLOW CHART



### ADDITIONAL ACCESSORIES

510	Malleable Iron Pipe Clamp
OD-P64-SN	Combination Snoot / Color Frame Holder with 10"x10" Color Frame
ODC-SN-SHORT	1½" Short Nose Combination Frame Holder with a 10"x10" Color Frame
8-BD-4	4-Door, 8-Leaf Barn Doors, Black
SS-PDS-150E	150-Watt Power Supply (Multi-Voltage)
SS-IP2	iPlayer 2
SS-C/A-SOFT	iPlayer 2 with ColorPlay Software
SS-KEY	Controller Keypad
SS-CDIAL	Color Dial Controller
SS-MSYNC	Multi-Synchronizer
SS-ZAPI	ZAPI Addresser
SS-SOFT	ColorPlay Software
SS-WMT	SpectraPAR Wall Mount
SS-8T*	8" SpectraPAR Effects Tube * price/foot, 10' maximum

## ILLUMINANCE DISTRIBUTION



Units: Footcandles/Lux  
Measured on: White  
Distance from surface: 3'/1m (from bottom of grid with light at a 45° angle)  
Multipliers: 0.28 Red, 0.54 Green, 0.26 Blue

## PHOTOMETRICS BASED ON SPECTRAPAR WITH NSP LENS\*

### ILLUMINANCE

COLOR	3'	6'	9'	12'	15'
	1m	2m	3m	4m	5m
WHITE	468.1 5,036.1	117.0 1,259.0	52.0 559.6	29.3 314.8	18.7 201.4
RED	191.4 2,059.6	47.9 514.9	21.3 228.8	12.0 128.7	7.7 82.4
GREEN	256.2 2,756.5	64.1 689.1	28.5 306.3	16.0 172.3	10.2 110.3
BLUE	52.9 569.0	13.2 142.2	5.9 63.2	3.3 35.6	2.1 22.8

Measured in Footcandles/Lux on axis.

\* Contact factory for photometrics on SpectraPAR with medium (MFL) and wide (WFL) lenses.

### LIGHT OUTPUT

COLOR	TOTAL OUTPUT (LUMENS)	POWER (WATTS)	EFFICACY (lm/w)
WHITE	462	50.0	9.2
RED	180	17.2	10.5
GREEN	281	17.5	16.1
BLUE	57	17.9	3.2

## Source Life

Altman Lighting, Inc. illumination products utilize high brightness LEDs as the illumination source. LED manufacturers predict LED life of up to 100,000 hours MTBF (mean time between failure), the standard used by conventional lamp manufacturers to measure source life. However, like all basic light sources, LEDs also experience lumen depreciation over time. So while LEDs can emit light for an extremely long period of time, MTBF is not the only consideration in determining useful life. LED

lumen depreciation is affected by numerous environmental conditions such as ambient temperature, humidity and ventilation. Lumen depreciation is also affected by means of control, thermal management, current levels, and a host of other electrical design considerations.

Altman systems are expertly engineered to optimize LED life when used under normal operating conditions [ambient temperature: -4° F to 104° F (-20° C to 40°

C), humidity: 0-95% non-condensing humidity, adequate ventilation and air volume] and when operated using typical color-changing effects. Long-term operation outside of these ranges or conditions, or at the upper limits of these ranges or conditions, may subject the product to further degradation of the LED source life, or in extreme cases, failure of internal components. Source life information is based on LED manufacturers' data, as well as other third party testing.