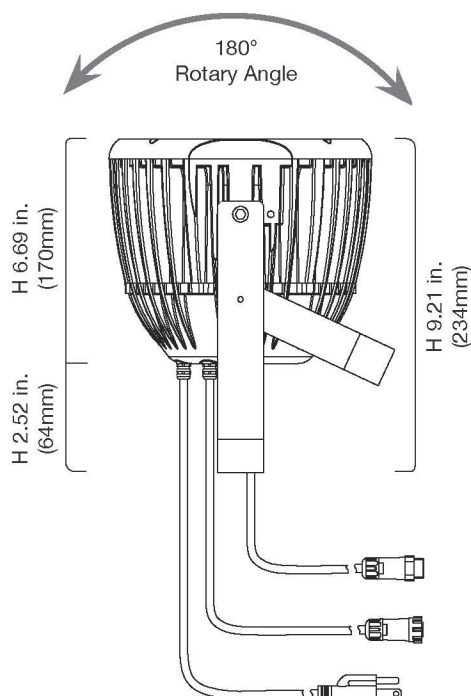
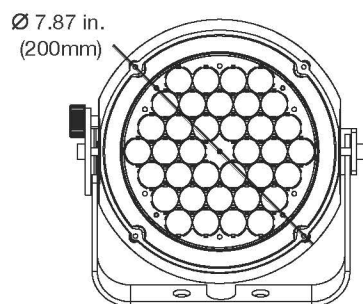




SPHERE-STAR™ LED WALL WASHER

SPECIFICATION SHEET

- Aluminum body & tempered glass
- IP65 wet/outdoor
- 180° rotary angle
- Wall and ceiling mountable.
- DMX-512 controllable



SPECIFICATIONS

Input Voltage¹: 100-256VAC, 50/60Hz
Power Connection: AC power plug (56 in. length)
Operating Voltage: 24V DC
Power Consumption: 53.5W
LED Chip Type: Edison
LED Chip Beam Angle: 15°
CRI: 70 (6000K)
Mounting²: Removable rotary 180° surface-mount bracket w/ (3x) 1/2 in. mounting holes
Wall & ceiling mountable
Maximum Run: 10 fixtures (expandable with use of 8-Way DMX Splitter)
Connections: 1ea. male/female wet location 3-pin M14 cables (15 in. length). M14-to-XLR-3 adapter cables also included

Dimmable³: May be dimmed/controlled using on-board controls or with a compatible DMX-512 controller
Ambient Temp⁴: -4° ~ 104° F (-20° ~ 40° C)
Operating Temp⁵: -4° ~ 131° F (-20° ~ 55° C)
Housing / Cooling: Aluminum casing; tempered glass / cooling by free air convection
Environment⁶: IP65 wet/outdoor
Dimensions⁶: 7.87 x 9.21 in. (DIA x H)
Weight: 8.82 lbs.
Certifications: UL Listed (US & Canada) ANSI/UL 153, ANSI/UL 8750 - Light Emitting Diode Luminaires, Portable. E466305

	CCT (Kelvin)	Lumens ⁷	LED Chips	Efficacy ⁸ (lm/W)
	-	1326	R=12, B=12, G=12	24.8
	6000K	2467	36	45.9

Note¹ Only UL Listed for connection with a 120VAC, 15- or 20-ampere branch circuit.

Note² When mounting to walls and ceilings, use applicable lag bolts and consider the strength of these surfaces versus the weight of the fixture.

Note³ Not compatible with standard High Voltage AC dimming controls.

Note⁴ Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing. Exceeding the maximum ambient temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.

Note⁵ Operating temperature is measured according to the minimum and maximum ambient temperature environment.

Note⁶ When installing outdoors or in a damp location, ensure water-resistant end caps are connected to all wet location 3-pin M14 cables. If attaching XLR-3 DMX adapter cables seal all standard XLR-3 connections with 1.25" heat shrink and finish with waterproof tape (not included). Do not use liquid sealants of any kind.

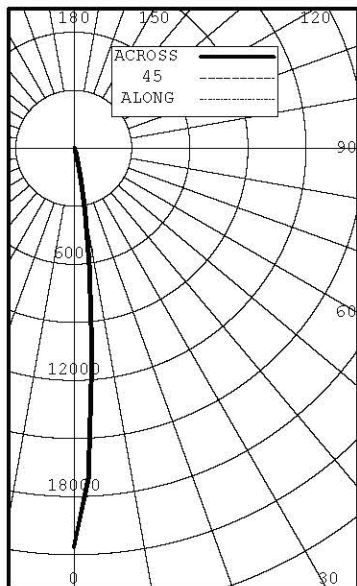
Note⁷ Lumen value measured in accordance to IES LM-79-08. LED chips have a luminous flux range with a tolerance of +/- 5%.

Note⁸ Efficacy value referenced from IES LM-79-08.

SPHERE-STAR™ RGB

DI-0471

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY
BEAM SIDE

ANGLE	MEAN CP
0	20599
5	10699
10	3326
15	899
20	367
25	231
30	163
35	87
40	55
45	41
50	29
55	20
60	14
65	9
70	6
75	3
80	1
85	0
90	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1206	90.92
0-40	1264	95.31
0-60	1314	99.06
0-90	1326	100.00
40-90	62	4.69
60-90	12	0.94
90-180	0	0.00
0-180	1326	100.00

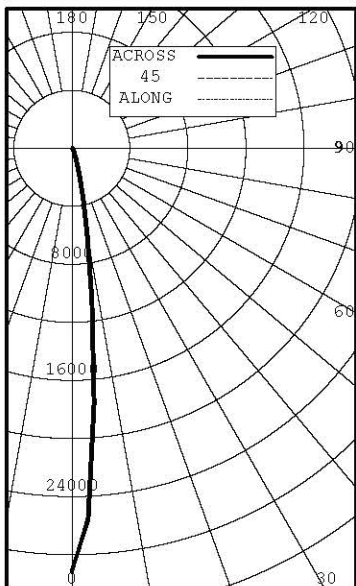
Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	1290	0.721
6.00	572	1.08
8.00	322	1.44
10.0	206	1.80
12.0	143	2.16
14.0	105	2.52
16.0	80.5	2.89

SPHERE-STAR™ 6000K

DI-0475

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY
BEAM SIDE

ANGLE	MEAN CP
0	29138
5	17625
10	6197
15	2158
20	918
25	470
30	285
35	192
40	136
45	99
50	68
55	45
60	30
65	21
70	13
75	7
80	2
85	0
90	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	2198	89.10
0-40	2320	94.07
0-60	2438	98.84
0-90	2467	100.00
40-90	146	5.93
60-90	29	1.16
90-180	0	0.00
0-180	2467	100.00

Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	1820	0.842
6.00	809	1.26
8.00	455	1.68
10.0	291	2.11
12.0	202	2.53
14.0	149	2.95
16.0	114	3.37

* Photometric data complies with LM-79-08, ANSI C82.77-02.

DMX CONTROLLERS

The following DMX Controllers may be utilized with our DMX fixtures and accessories.

	Type	Description	Image
	DMX Wi-Fi Wall-Mount Controller	This simple and intuitive DMX controller commands up to four zones with WiFi connectivity to a mobile device.	
	Nicolaudie STICK 1 DMX Color Controller	Our most sophisticated unit offers professional-grade DMX512 control in a user-friendly control pad.	
	Nicolaudie STICK 2 DMX Color Controller	Sophisticated and modern touch-sensitive keypad selects mode, speed, and dimming.	
	Nicolaudie Easy Stand Alone DMX LED Color Controller	Program lighting scenes from a computer to the independent free-standing controller.	
	SQUARE-PRO Junction Box	Included with the following controllers: DMX WiFi Wall Mount Zone LED Controller, Nicolaudie STICK 1 Controller, and Nicolaudie STICK 2 Controller. Also sold separately. Features 3x 0.5 in. and 5x 0.75 in. knockouts. Dimensions: 2.83 x 1.89 x 2.83 (L x D x H)	

Note: accessories sold separately

DMX ACCESSORIES

The following DMX Accessories may be utilized with our DMX fixtures and controllers.

	Type	Description	Image
	DMX 4-Channel Decoder	Pair with a DMX controller to control solid color, RGB, and RGBW LED fixtures. Features a digital display for easy addressing.	
	Wireless DMX Transmitter/Receiver	Wirelessly connects DMX devices: Fixture to fixture, fixture to controller, and decoder to decoder. Features XLR-3 connections.	
	DMX 8-Way Splitter	Amplifies and splits a DMX signal up to 8 ways. Features 1x male XLR-3 input connection, and 8x female XLR-3 output connections.	
	DMX XLR-3 Connector Pair	Utilize this XLR-3 connector pair to create custom length DMX extensions. Sold by the pair (male/female). Male: 2.8 x .71 in. (L x Dia.). Female: 2.4 x .71 in. (L x Dia.)	
	XLR-3 to RJ45 Adapter Connector Pair	Converts RJ45 data cables to XLR-3 DMX connections. Sold by the pair (male/female) Male & Female: 2.58 x .87 x .98 in. (L x W x H)	
	20 ft. DMX XLR-3 Extension Cable	Creates an extension between DMX fixtures and accessories. Features XLR-3 connections. Wire: 18/3 AWG. Male connection: 2.8 x .71 in. (L x Dia.) Female: 2.4 x .71 in. (L x Dia.)	
	RJ45 Coupler	Female-to-female accessory quickly connects two RJ45 accessories. Dimensions: 1.22 x .44 x .87 in. (L x W x H)	
	RJ45 Splice Cable	Lead wires connect to wall-mount DMX controllers while RJ45 plug connects to DMX accessories. Dimensions: 6.5 x .4 x .6 (L x W x H)	
	XLR-3 to RJ45 Adapter Cable Pair	Converts RJ45 port of 4-Channel DMX Decoder to a standard XLR-3 connection. Sold by the pair (male/female). Dimensions: 20 x .71 (L x Dia)	
	RJ45 Extension Cable	Creates a 10 ft. extension between DMX fixtures and accessories utilizing RJ45 connections.	

Note: accessories sold separately