



Axistrak mounting shown
(AXT)



One Stella 55 on curve segment
mounting shown
(LC905T55)



Two Stella 55 on curve segment
mounting shown
(LC902ST55)

Project _____
Type _____
Notes _____



Please specify location of spotlights on system configuration drawing

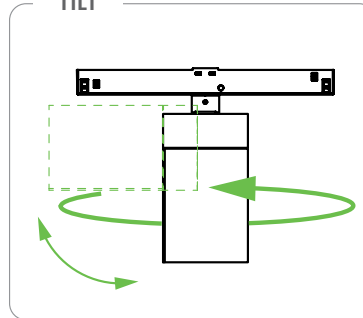
PERFORMANCE AT 3000K

DISTRIBUTION	NOMINAL LUMEN OUTPUT	WATTS*
NARROW	1800 lm	23 W
MEDIUM	1600 lm	23 W
WIDE	1600 lm	23 W

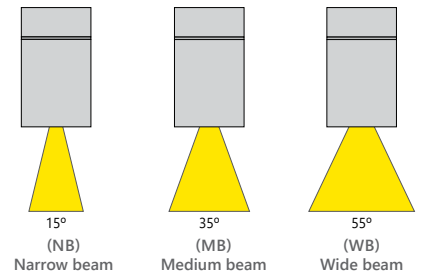
SPECIFICATIONS TABLE

AXISTRAK™ TOTAL POWER PER SEGMENT	60 W
UNIT POWER CONSUMPTION	23.5 W
NOMINAL WEIGHT	0.62 lbp / 0.28 kg

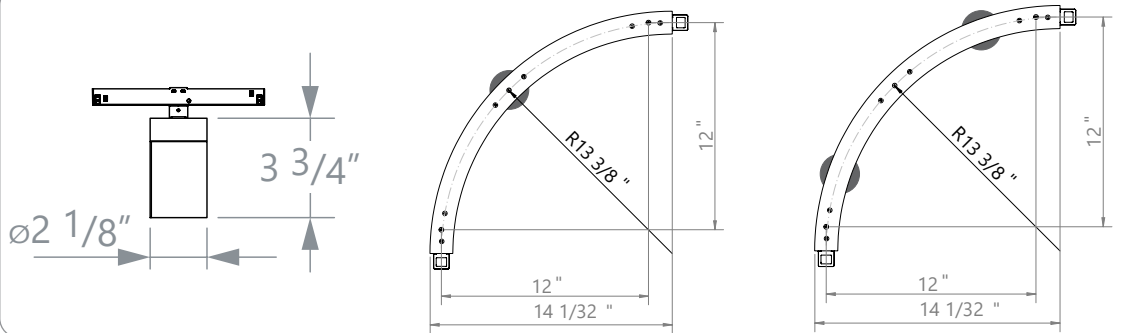
TILT



BEAM SPREADS



SECTION VIEWS



Ordering Guide

TDST55				90				
PRODUCT ID	BEAM ANGLE	NOM. LUMENS		CRI	COLOR TEMP.	HOUSING FINISH	MOUNTING	
TDST55 Stella 55 - Spotlight	NB narrow MB medium WB wide	1600	1600 lm	90 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	BLK black W white C custom	AXT AxisTrak™ LC901ST55 one Stella 55 on curve segment LC902ST55 two Stellas 55 on curve segment	
		Fixed lumen output. 1800lm output with (NB) narrow beam distribution.						See details on page 2.

CONTROLS

- DP integral driver 0-10V dimming (1%) - wired*
DALIDT6 integral driver DALI 2.0 Type 6 - wired**
EP integral driver for Empower wireless with integral sensor / control module***

* Available with multicircuit wiring.

** Must use IMWD controls option with SFF framework, and DALIDT6CV(9) controls option with AxisTrak insert.

*** Must use IMWEP controls option with SFF framework, and EPCV(9) controls option with AxisTrak insert.

Patent number: 11,118,765

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information.

● CONSTRUCTION

Housing	Die-cast aluminum
Optic holder	Die-cast aluminum painted metal finish. Regressed acrylic optics.

● MOUNTING



Axistrak mounting
shown (AXT)



One Stella 55 on curve
segment mounting shown
(LC90ST55)



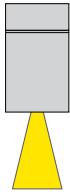
Two Stella 55 on curve
segment mounting shown
(LC902ST55)

● FINISH

Powder coated black or white finish.



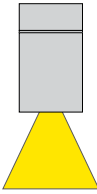
● STELLA 55 BEAM SPREADS



15°
Narrow Beam
(NB)



35°
Medium Beam
(MB)



55°
Wide Beam
(WB)

● LED SYSTEM

CRI	Minimum 90 color rendering index
CCT	2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.

● ELECTRICAL

DP	Integral 0-10v 1% dimming low voltage driver (48V)
DALIDT6	Integral Dali 2.0 D4i type 6 low voltage driver (48V)
EP	Integral Dali 2.0 D4i interface to connect to wireless/sensor node on the AxisTrack (48V)
*Stella 55 on Curve Segment is powered by the integral 0-10v or Dali 2.0 D4i line voltage driver (no AxisTrack)	

i Incorporating these components may have limitations or affect the length of the luminaire, please contact factory for more details.

● APPROVALS

Certified to cULus standards.



All Decoratives, Pendants, and Spotlights certified under UL2108.

● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

SPECIFICATION EXAMPLE

Here is how to specify Within an AxisTrak™ and Curve segments Stella 55:

AXISTRAK™ EXAMPLE CODE

1) FRAMEWORK: *SFF-L(37)-LC90(2)+LC902ST55(2)+T90(2)-BLK-120-IMW-1-CA(36)-RC*

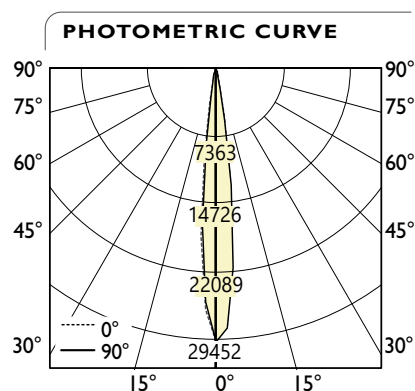
2.1) SPOT LIGHTS ON CURVE SEGMENT: *TDST55-MB-1600-90-35-BLK-LC902ST55 (QTY. 2)*

2.2) AXISTRAK™ INSERT: *SFLDAXT-5-120-DPCV-BLK*
SFLDAXT-7-120-DPCV-BLK

3) TRACK ELEMENTS & DECORATIVES: 3) *TDST55-WB-HI-90-30-BLK-AXT (QTY. 2)*

● PHOTOMETRIC DATA

Narrow Beam



Total Lumens: 1817 lm
Input Watts: 23.31 W
Efficacy: 78 lm/W

IES FILE: TDST55-NB-1800-90-30.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	29452	29452	29452	29452	29452
5	20844	21292	21872	21664	21524
15	1183	1228	1226	1146	1045
25	191	201	200	185	169
35	55	55	55	53	51
45	10	11	11	11	10
55	2	3	2	2	2
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

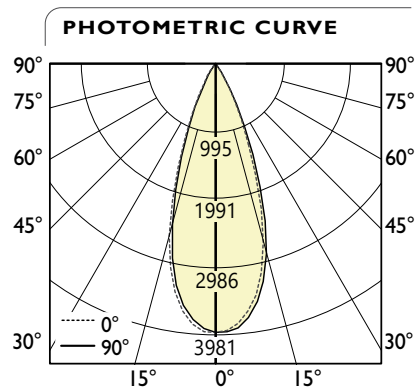
ZONAL LUMENS

Zone	Lumens
0	
0-10	1330
10-20	360
20-30	84
30-40	31
40-50	9
50-60	2
60-70	1
70-80	0
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7197	7816	7098
55	2032	2131	2034
65	836	838	798
75	229	227	227
85	415	415	415

Medium Beam



Total Lumens: 1615 lm
Input Watts: 23.11 W
Efficacy: 70 lm/W

IES FILE: TDST55-MB-1600-90-30.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3981	3981	3981	3981	3981
5	3866	3885	3904	3918	3925
15	2747	2810	2873	2906	2915
25	901	952	1007	1022	1026
35	155	166	175	176	174
45	21	22	24	25	26
55	4	4	4	4	4
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS

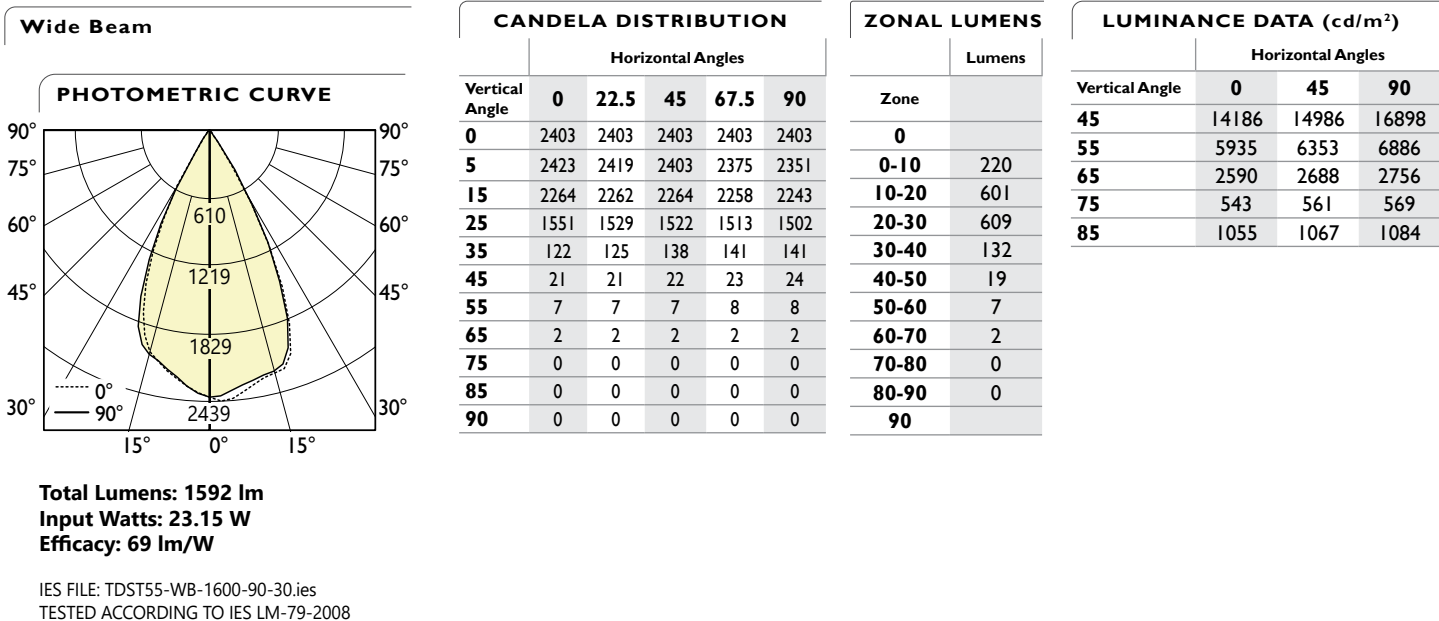
Zone	Lumens
0	
0-10	355
10-20	723
20-30	409
30-40	103
40-50	19
50-60	4
60-70	1
70-80	0
80-90	0
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	14246	16932	17832
55	3466	3769	3774
65	1462	1571	1553
75	560	582	596
85	915	904	915

i All IES files are available for download at: www.axislighting.com

● PHOTOMETRIC DATA



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