



Deep baffle flush mount shown (DB)



Deep baffle stem mount shown (DB)



Shallow baffle shown (SB)



Deep baffle with hexcell shown (DBH)



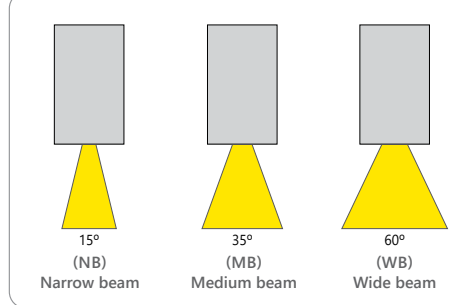
PERFORMANCE AT 3500K, SHALLOW BAFFLE

DISTRIBUTION	NOMINAL LUMEN OUTPUT	WATTS*	EFFICACY
NARROW	1400 lm	18.1 W	78 lm/W
MEDIUM	1440 lm	18.1 W	80 lm/W
WIDE	1576 lm	18.1 W	87 lm/W
WALLWASH	1210 lm	18.1 W	67 lm/W

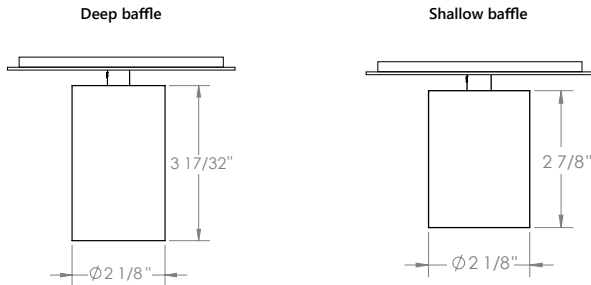
SPECIFICATIONS TABLE

UNIT POWER CONSUMPTION	18 W
NOMINAL WEIGHT	0.7 lbp / 0.32 kg

BEAM SPREADS



SECTION VIEWS



Also available as a **Track Decorative**, please refer to [TDST55.SPEC spec sheet](#)

Ordering Guide

ST55SD				90		
PRODUCT ID	BAFFLE TYPE	BEAM ANGLE	NOM. LUMENS	CRI	COLOR TEMP.	HOUSING FINISH
ST55SD Stella 55 Stand alone Decorative	DB deep baffle SB shallow baffle DBH deep baffle with hexcell SBH shallow baffle with hexcell	NB narrow MB medium WB wide WW wall wash*	FIX fixed lumen output	90 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	BLK black W white
		*Only available with SB shallow baffle.	Fixed lumen output. See spec sheet page 2 for outputs.			

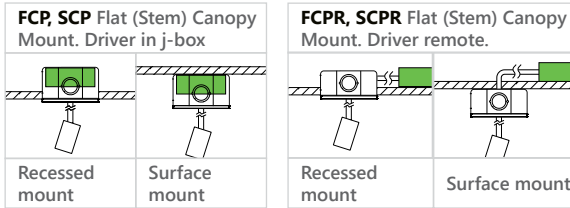
VOLTAGE	DRIVER	MOUNTING	CANOPY FINISH	STEM FINISH
120 120 V 277 277 V UNV universal 347 347 V*	DP dimming (0-10V 1% or TRIAC) * LT(LDE1) Lutron Hi-lume 1% EcoSystem (remote)** O(DALI) DALI (remote)**	FCP Flush stand alone canopy, driver in j-box* SCP(L) Stem stand alone canopy, driver in j-box (stem length)* ** FCPR Flush stand alone canopy, remote driver SCPRL(L) Stem stand alone canopy, remote driver (stem length)**	BLK black W white	BLK black W white NA not applicable*
* Not available with DP driver. FCPR and SCPRL mounting only.	* Only available with FCP and SCP mounting. Triac dimming for line voltage capable (120V voltage only), purple and pink wires need to be capped in that case. See wiring detail on page 2. ** Only available with FCPR and SCPRL mounting options. Remote driver enclosure by Axis.	Round canopy used. See more details on page 2. * Only available with DP driver. ** Standard stem lengths 6", 12", 24", and 36". Custom lengths available with extended lead time, please specify.		Please specify for flush mounting options (FCP, FCPR)

CONSTRUCTION

Housing	Precision machining aluminum
Optic holder	Precision machining aluminum painted metal finish.
Optic	Clear acrylic (PMMA) and Polycarbonate (PC)
Stem	Aluminum
Mounting	Steel

MOUNTING OPTIONS

Drywall and solid ceiling compatible.



FINISH

Powder coated black or white finish.



Available color combinations.

PERFORMANCE TABLE

Configuration	Nominal Lumens (lm)	Wattage (W)	Efficacy (lm/W)
Shallow Baffle with Beam 15 Narrow Lens	1400	18	78
Shallow Baffle with Beam 36 Medium Lens	1450	18	80
Shallow Baffle with Beam 60 Wide Lens	1600	18	85
Shallow Baffle with Hexcell Louver with Beam 15 Narrow Lens	900	18	49
Shallow Baffle with Hexcell Louver with Beam 36 Medium Lens	950	18	52
Shallow Baffle with Hexcell Louver with Beam 60 Wide Lens	900	18	51
Deep Baffle with Beam 15 Narrow Lens	1250	18	68
Deep Baffle with Beam 36 Medium Lens	1350	18	75
Deep Baffle with Beam 60 Wide Lens	1400	18	76
Deep Baffle with Hexcell Louver with Beam 15 Narrow Lens	900	18	48
Deep Baffle with Hexcell Louver with Beam 36 Medium Lens	950	18	52
Deep Baffle with Hexcell Louver with Beam 60 Wide Lens	850	18	47
Shallow Baffle with Wall Wash Lens	1200	18	67

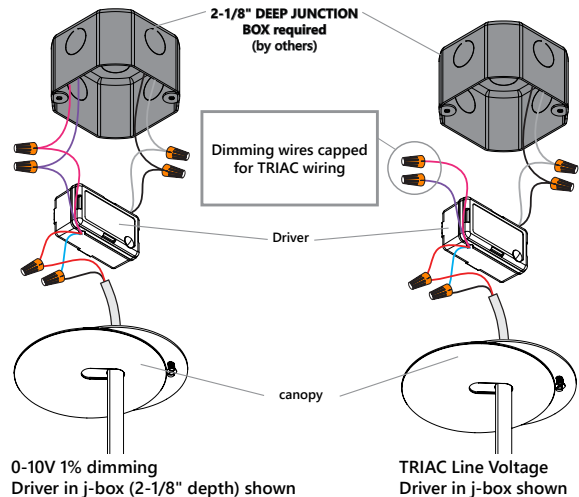
LED SYSTEM

CRI	Minimum 90 color rendering index
CCT	2700K, 3000K, 3500K, and 4000K color temperature with a great color consistency (within 3.0-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.

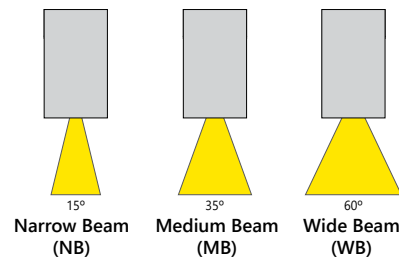
ELECTRICAL

DP driver (FCP)	Canopy includes an Axis integral driver, 0-10V 1% or TRIAC line voltage dimming standard.
Lutron driver (remote)	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers (remote)	DALI - Digital Addressable Lighting Interface
Luminaire Input Voltage	28VDC constant current.

WIRING DETAIL / DÉTAILS DU CABLAGE



STELLA 55 BEAM SPREADS



APPROVALS

Certified to cULus standards. All Decoratives, Pendants, and Spotlights certified under UL2108.



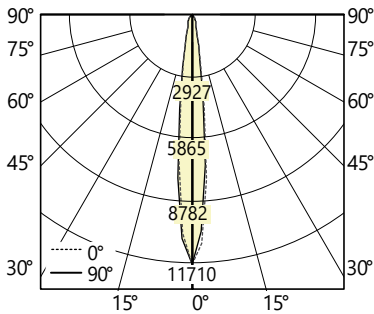
WARRANTY

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.

● PHOTOMETRIC DATA

Narrow Beam

PHOTOMETRIC CURVE



Total Lumens: 1400 lm
Input Watts: 18.06 W
Efficacy: 78 lm/W

IES FILE: TDST55-SB-NB-1400-90-35.ies
 TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	11710	11710	11710	11710	11710
5	7737	7324	7428	7035	7081
15	957	935	958	940	944
25	438	431	429	426	432
35	271	262	258	255	259
45	135	129	128	125	128
55	58	55	55	53	54
65	21	21	20	19	19
75	7	7	7	6	6
85	1	1	1	1	1
90	1	1	1	1	1

ZONAL LUMENS

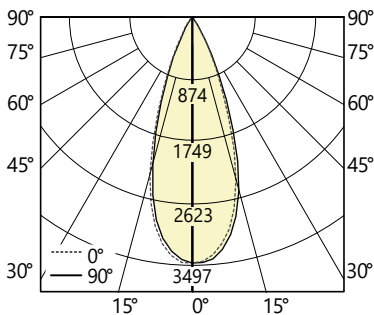
Zone	Lumens
0	
0-10	530
10-20	304
20-30	206
30-40	171
40-50	107
50-60	54
60-70	21
70-80	6
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	120430	113449	114046
55	63186	60040	59607
65	31718	30257	28980
75	16576	16058	14827
85	5617	5747	5610

Medium Beam

PHOTOMETRIC CURVE



Total Lumens: 1440 lm
Input Watts: 18.08 W
Efficacy: 80 lm/W

IES FILE: TDST55-SB-MB-1450-90-35.ies
 TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3497	3497	3497	3497	3497
5	3315	3314	3327	3321	3343
15	2126	2096	2137	2159	2243
25	562	551	578	596	651
35	115	113	118	119	123
45	44	43	45	45	44
55	31	32	32	32	30
65	26	26	25	25	25
75	12	11	11	11	12
85	1	1	1	1	1
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	307
10-20	615
20-30	330
30-40	88
40-50	35
50-60	27
60-70	24
70-80	12
80-90	1
90	

LUMINANCE DATA (cd/m²)

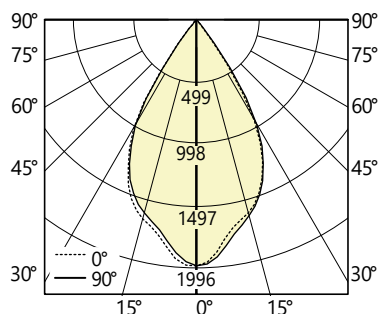
Vertical Angle	Horizontal Angles		
	0	45	90
45	38705	40377	38924
55	33900	34551	33324
65	38773	37828	37564
75	28236	27709	28219
85	4175	3966	4082

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

● PHOTOMETRIC DATA

Wide Beam

PHOTOMETRIC CURVE



Total Lumens: 1576 lm
Input Watts: 18.06 W
Efficacy: 87 lm/W

IES FILE: TDST55-SB-WB-1600-90-35.ies
 TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1996	1996	1996	1996	1996
5	1895	1900	1913	1920	1931
15	1623	1631	1647	1643	1645
25	1268	1272	1291	1286	1289
35	429	410	434	435	480
45	30	29	31	30	31
55	13	13	14	14	14
65	7	7	7	7	7
75	2	2	2	2	2
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS

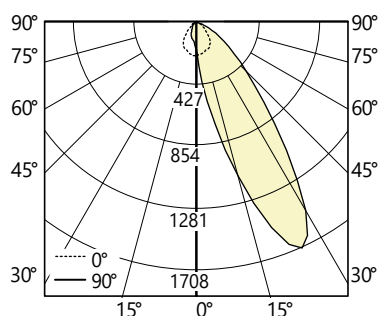
Zone	Lumens
0	
0-10	177
10-20	461
20-30	584
30-40	303
40-50	29
50-60	12
60-70	7
70-80	3
80-90	0
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	27557	28539	29175
55	15265	16247	16519
65	10266	11357	11620
75	5634	5471	5611
85	2640	2610	2519

Wall Wash

PHOTOMETRIC CURVE



Total Lumens: 1210 lm
Input Watts: 18.06 W
Efficacy: 67 lm/W

IES FILE: TDST55-SB-WW-1200-90-35.ies
 TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	218	218	218	218	218
5	222	274	331	389	409
15	205	378	680	982	1091
25	193	482	1124	1623	1708
35	158	514	1336	1259	1072
45	97	430	960	609	488
55	49	266	498	275	227
65	22	102	186	109	90
75	8	15	31	21	19
85	1	1	1	0	0
90	1	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	26
10-20	120
20-30	268
30-40	316
40-50	243
50-60	149
60-70	69
70-80	18
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	90548	892830	453888
55	56269	570915	260645
65	34671	288676	140736
75	19967	77852	49440
85	8184	4126	3643