

Track System Specification

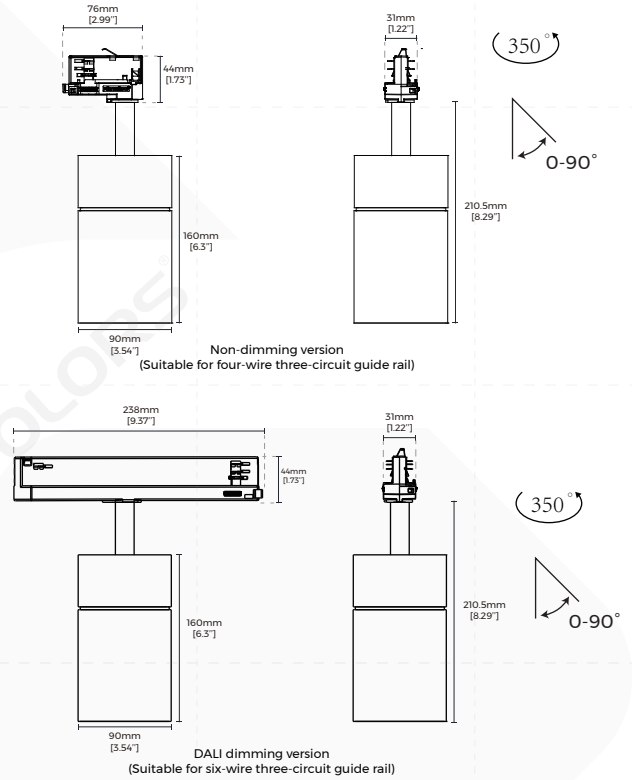
HS-90

— TLS-H series



【Basic Parameters】

- Material: AL6063-T5, spraying surface
- Coating: Black (RAL9005)、White(RAL9003)
- IP grade: IP20
- Beam angle:10°/15°/22°/28°/45° optional
- CCT: 2700/3000/4000/3000-5000K optional
- CRI: 90
- SDCM(Light source): <3 Step
- Input voltage: AC220-240V
- Working temperature: -15℃~35℃
- Lighting direction: Downward
- Dimming method: Non-dimming/DALI dimming optional
- Application: Indoor
- Certification: CE、ROHS、Reach
- Warranty: 5 years



【Luminaire Parameters】

Version	Model	Size	Input Voltage (V)	Max. Current (A)	Type Power (W)	Max. Power (W)	CRI	Beam Angle	CCT	Lumen (LM)
Normal	HS-90	φ90*160mm	220-240 VAC	/	30	33	>90	10°	2700K	2115
									3000K	2230
									4000K	2400
								15°	2700K	2650
									3000K	2790
									4000K	3000
								22°	2700K	2780
									3000K	2930
									4000K	3150
								28°	2700K	2780
									3000K	2930
									4000K	3150

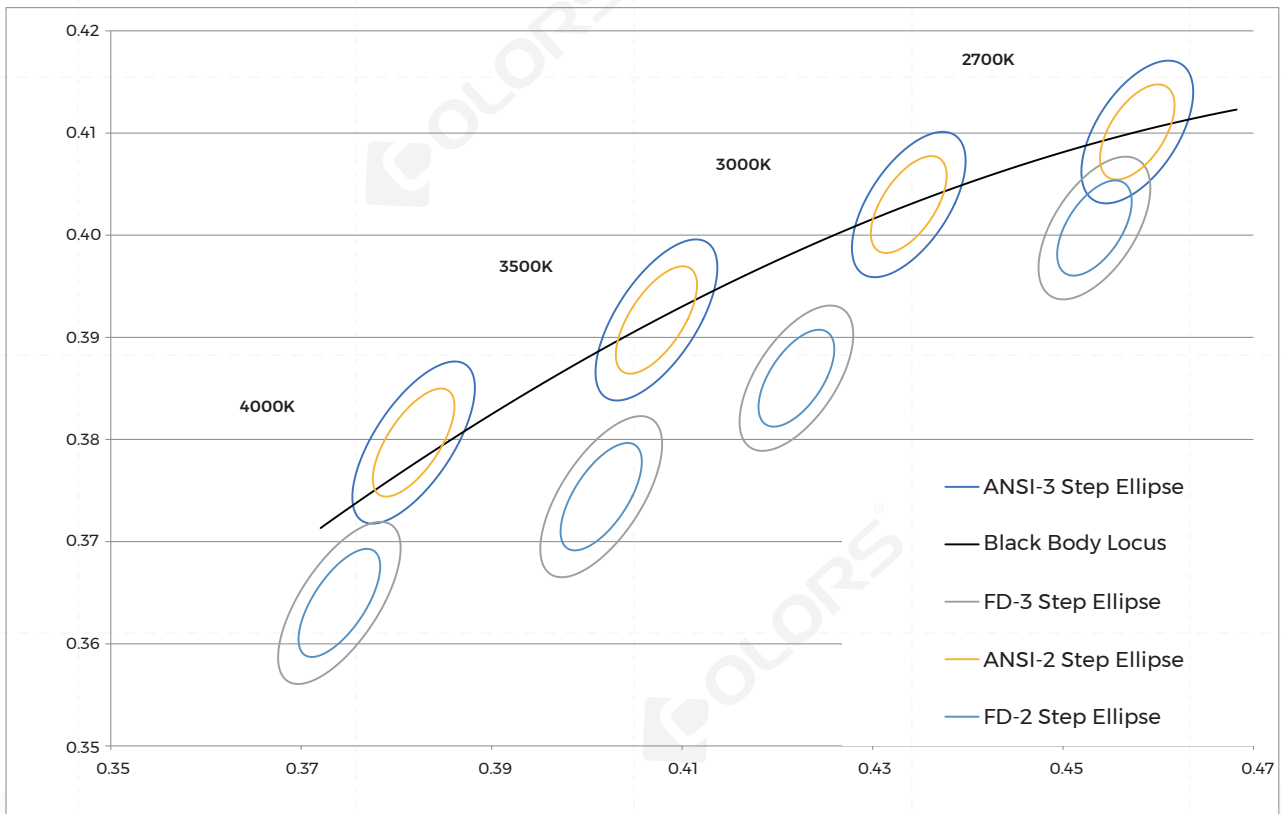
Normal	HS-90	φ90*160mm	220-240 VAC	/	30	33	>90	45°	2700K	2780
									3000K	2930
									4000K	3150
High efficiency								15°	2700K	3105
									3000K	3200
									4000K	3300
								22°	2700K	3345
									3000K	3345
									4000K	3450
								28°	2700K	3385
									3000K	3490
									4000K	3600
45°	2700K	3385								
	3000K	3490								
	4000K	3600								
CCT tunable (DIP switch)	15°	3000K	2490							
		3800K	2790							
		5000K	2400							
	22°	3000K	2640							
		3800K	2940							
		5000K	2550							
	28°	3000K	2640							
		3800K	2940							
		5000K	2550							
45°	3000K	2640								
	3800K	2940								
	5000K	2550								

Note:

1. The output data is based on the testing result of Ra90,4000k luminaires;
2. The tolerance of output data can be vary up to 10%;
3. The output data is typical value.

[Color Bining Information]

Figure: Warm and Neutral White Test Bins In xy Color Space (Light source of normal version)



Note: Pulsed Test Conditions, $T_c = 65^\circ\text{C}$

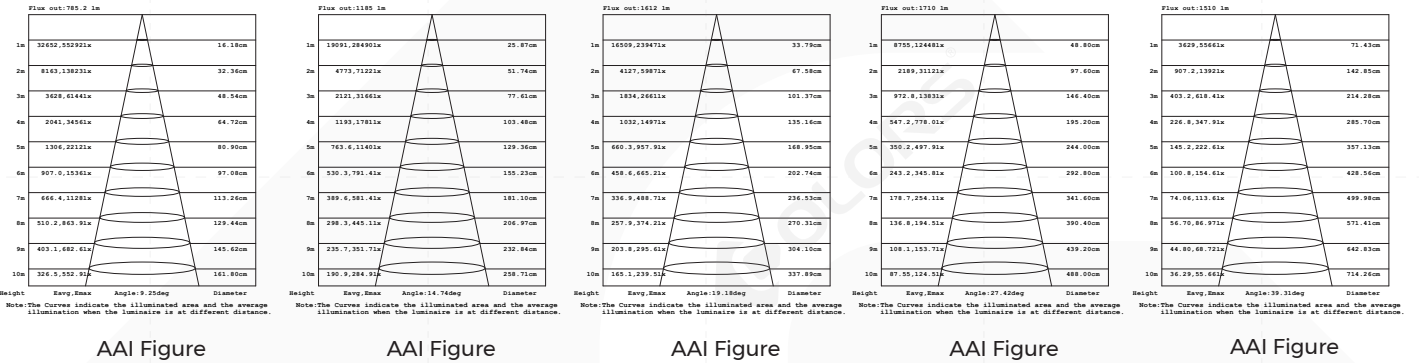
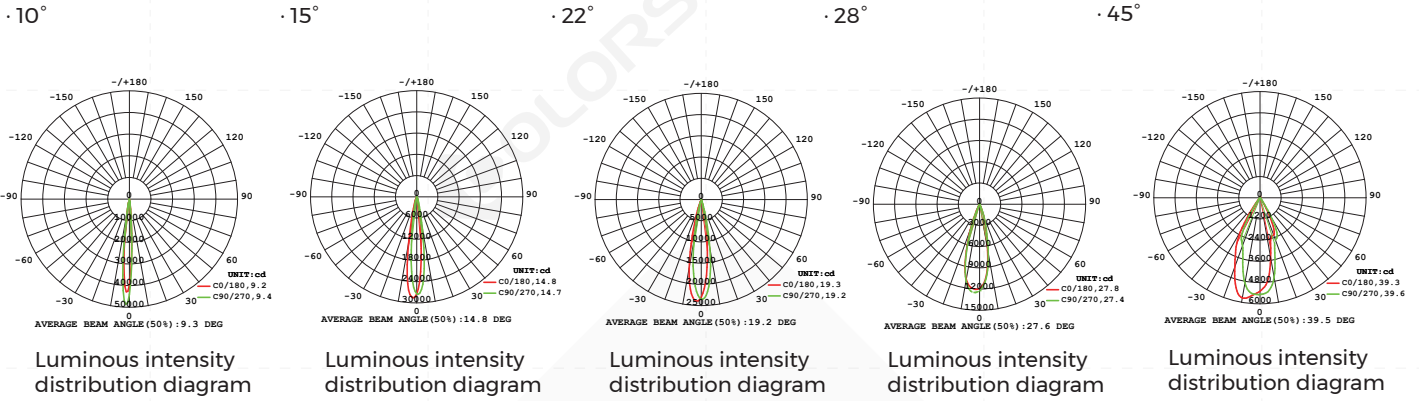
Figure: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to $T_c = 65^\circ\text{C}$)

Bin Code	2700K	3000K	3500K	4000K
ANSI Bin (for reference only)	(2580K-2870K)	(2870K-3220K)	(3220K-3710K)	(3710K-4260K)
83 (3 SDCM)	(2645K-2788K)	(3025K-3210K)	(3333K-3567K)	(3935K-4254K)
82 (2 SDCM)	(2668K-2764K)	(3055K-3178K)	(3370K-3526K)	(3985K-4197K)
Center Point (x,y)	(0.4533,0.4007)	(0.422,0.386)	(0.4015,0.3744)	(0.374,0.364)

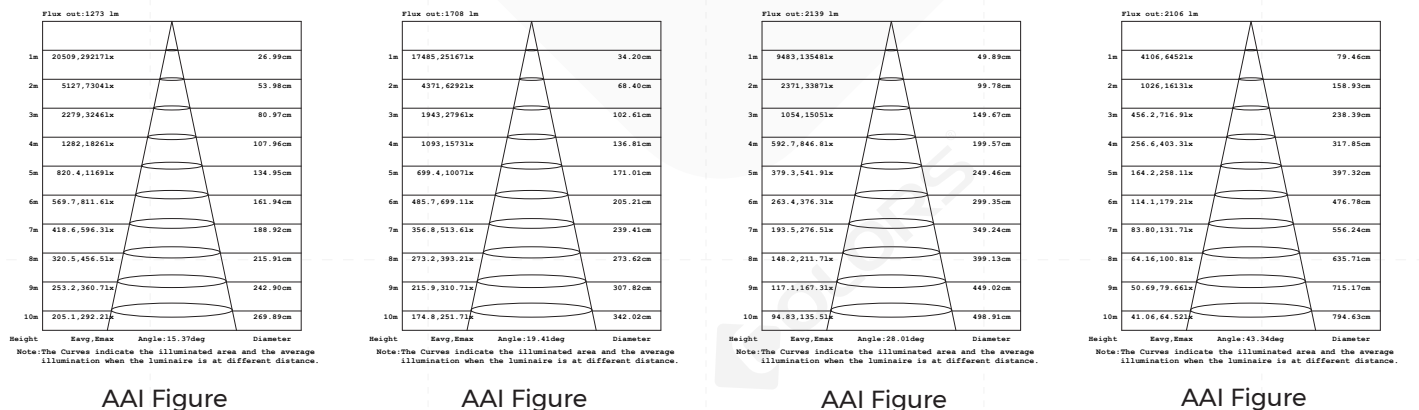
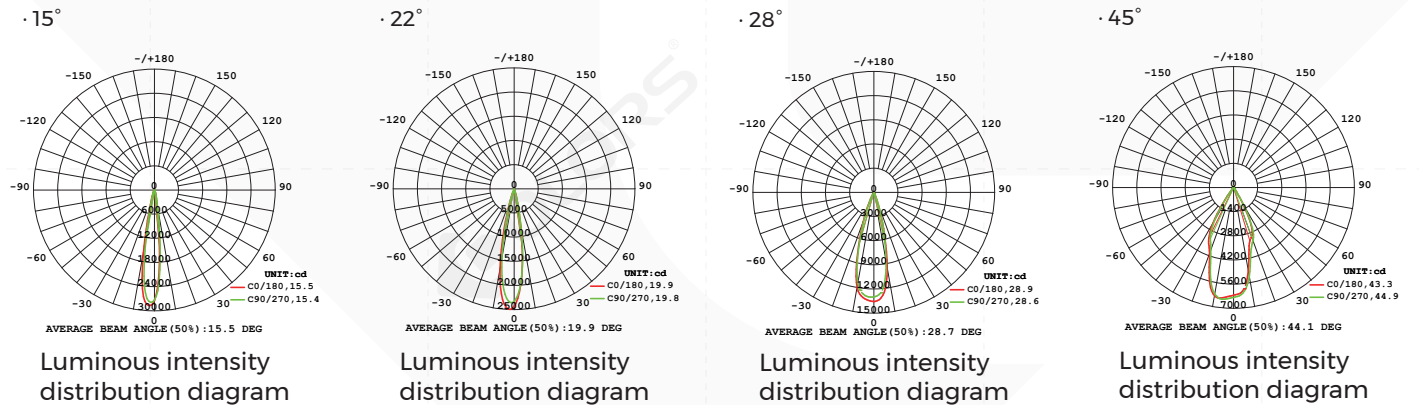
Note: Bridgelux maintains a tolerance of ± 0.007 on x and y color coordinates in the CIE 1931 color Space.

[Optical Parameter]

· Normal

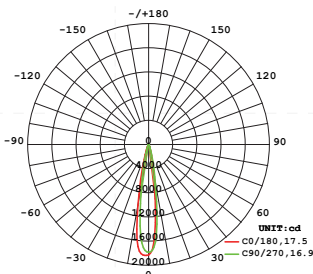


· High efficiency



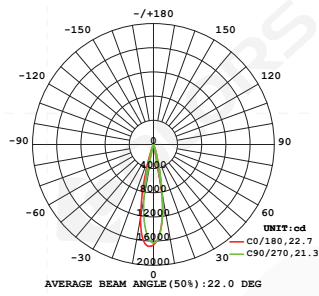
· CCT tunable(DIP switch)

· 15°



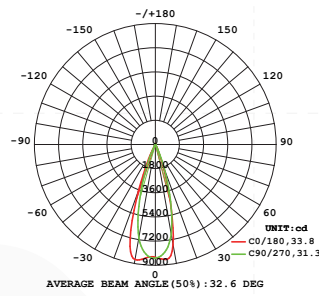
Luminous intensity distribution diagram

· 22°



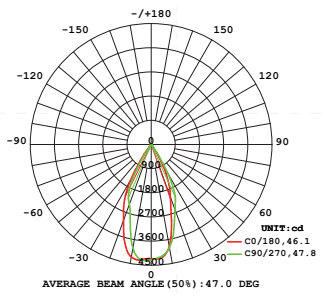
Luminous intensity distribution diagram

· 28°



Luminous intensity distribution diagram

· 45°



Luminous intensity distribution diagram

Flux out:1034 lm

Height	Eavg, Emax	Angle:16.69deg	Diameter
1m	13122,18361lx		29.34cm
2m	3280,4590lx		58.68cm
3m	1458,2040lx		88.01cm
4m	820.1,1148lx		117.35cm
5m	524.9,734.4lx		146.69cm
6m	364.5,510.0lx		176.03cm
7m	267.8,374.7lx		205.36cm
8m	205.0,286.9lx		234.70cm
9m	162.0,226.7lx		264.04cm
10m	131.2,183.6lx		293.38cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

Flux out:1426 lm

Height	Eavg, Emax	Angle:21.03deg	Diameter
1m	12012,16840lx		37.12cm
2m	3003,4210lx		74.24cm
3m	1335,1871lx		111.35cm
4m	750.7,1052lx		148.47cm
5m	480.5,673.6lx		185.59cm
6m	333.7,467.8lx		222.71cm
7m	245.1,343.7lx		259.83cm
8m	187.7,263.1lx		296.94cm
9m	148.3,207.9lx		334.06cm
10m	120.1,148.4lx		371.18cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

Flux out:1651 lm

Height	Eavg, Emax	Angle:31.31deg	Diameter
1m	6391,8502lx		56.05cm
2m	1598,2126lx		112.10cm
3m	710.1,944.7lx		168.16cm
4m	399.5,531.4lx		224.21cm
5m	255.7,340.1lx		280.26cm
6m	177.5,236.2lx		336.31cm
7m	130.4,173.5lx		392.36cm
8m	99.86,132.8lx		448.42cm
9m	78.90,105.0lx		504.47cm
10m	63.91,85.02lx		560.52cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

Flux out:1712 lm

Height	Eavg, Emax	Angle:46.13deg	Diameter
1m	2749,4359lx		85.16cm
2m	687.2,1090lx		170.32cm
3m	305.4,484.3lx		255.48cm
4m	171.8,272.4lx		340.63cm
5m	109.9,174.4lx		425.79cm
6m	76.35,121.1lx		510.95cm
7m	56.10,88.96lx		596.11cm
8m	42.95,68.11lx		681.27cm
9m	33.93,53.82lx		766.43cm
10m	27.49,43.59lx		851.59cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

[Packing]

Model	Size (mm/box)	Quantity /box	Quantity /carton	NW (kg/box)	NW (kg/carton)	GW (kg/carton)	Size (mm/carton)
TLS-HSF90(N)-N930B35	110*110*280 [4.33"*4.33"*11"]	1	10	1.05	9.5	10.5	570*240*290 [22.44"*9.45"*11.4"]

[Attentions]

1. Non-professionals are prohibited from installing, disassembling and repairing the product.
2. Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
3. Please use professional cutting tools when cutting
4. Do not use any acid or alkaline adhesive to fix products
5. The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.