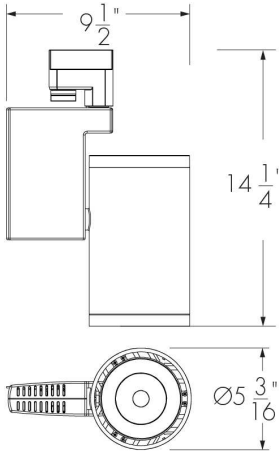


Project Name

Qty

Type

Catalog / Part Number



Front view

Bottom view

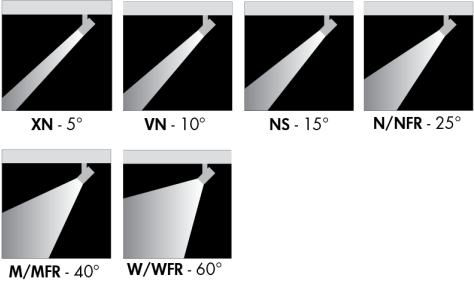
Photometric Summary

Based on Narrow Optic (nominal 25°), 4000K, CRI 90+

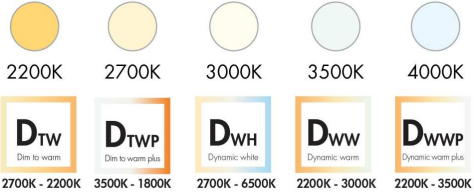
Nominal output [lm]	Delivered output [lm] ^[1]	Power (120V) [W] ^[2]	Efficacy [lm/W]
700	700	6.5	108
1000	921	8	115
1300	1,252	11	114
2000	1,952	17	115

[1] Consult website for latest IES files.
[2] Add 3 watts per fixture when specifying Lumentalk™.

Optics



Color and Color temperature






Description

The Lumencore Track Large Spot is a fully adjustable, high-output LED spotlight. Delivering 5000 lm, the luminaire provides a more flexible alternative to ceramic metal halide, with longer life, improved color stability and lower energy consumption.

Features

Output (Nominal Lumens)	700 lm, 1000 lm, 1300 lm, 2000 lm, 3000 lm, 4000 lm, 5000 lm, 6000lm
Color and Color Temperature	2200K 2700K 3000K 3500K 4000K Dim to Warm Dim to Warm Plus Dynamic White Dynamic Warm White Dynamic Warm White Plus
Optics (Nominal Distribution)	Extra narrow spot 5°, Very narrow spot 10°, Narrow spot 15°, Narrow/Narrow faceted reflector 25°, Medium/Medium faceted reflector 40°, Wide/Wide faceted reflector 60°
On/off switch	Integral on/off switch to simplify maintenance
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	Up to 6,379 lm (medium faceted reflector optic 40°, 4000K, CRI 90)
Maximum Delivered Intensity	Up to 63,952 cd (extra narrow spot optic 5°, 4000K, CRI 80)
Efficacy	Up to 134 lm/W (narrow spot optic 15°, 4000K, CRI 90)
Color Consistency	2 SDCM, 3 SDCM (XN optic only)


Control		Color Rendering	
ON/OFF	lumen talk PH		CRI 80+
			CRI 90+
			CRI 95+
Certifications		Lumen Maintenance	
  			L95 55,000 hrs
			L70 225,000 hrs
		Physical	
		Reflector Material	Aluminum
		Housing Material	Aluminum
		Weight	5.5 lbs
		TIR Optics Material	Clear polycarbonate
		Finish	White, Black
		Track Adapter Color	White adapter, Black adapter
		Adjustability	+/- 90° tilt — 355° rotation, Lockable tilt and rotation
		Electrical and Control	
		Voltage	120 volts
		Track Adapter Type	Two circuit track adapter standard
		Control	On/Off Control, Phase dimming, Lumentalk
		Environmental	
		Environment	Dry location (indoor applications only)
		Operating Temperature	-4 °F to 104 °F
		Ingress Protection Rating	IP20

Photometric Information - Color Rendering Options Comparison, 3000K


Color sample	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
CRI 80+	84	82	90	97	83	82	88	86	63	15	77	83	68	84	98	75
CRI 90+	94	95	98	99	95	94	97	91	80	55	93	97	83	96	99	89
CRI 95+	97	96	97	99	96	96	95	96	97	97	96	95	86	96	98	97
Radiant CRI 80+	84	83	91	96	81	82	89	83	62	15	79	80	69	85	98	76
Radiant CRI 95+	95	95	94	95	98	94	90	94	96	96	89	95	80	94	98	96

Optics


TIR Optic
XN/VN/NS/N



Semi-Specular reflector
M/W

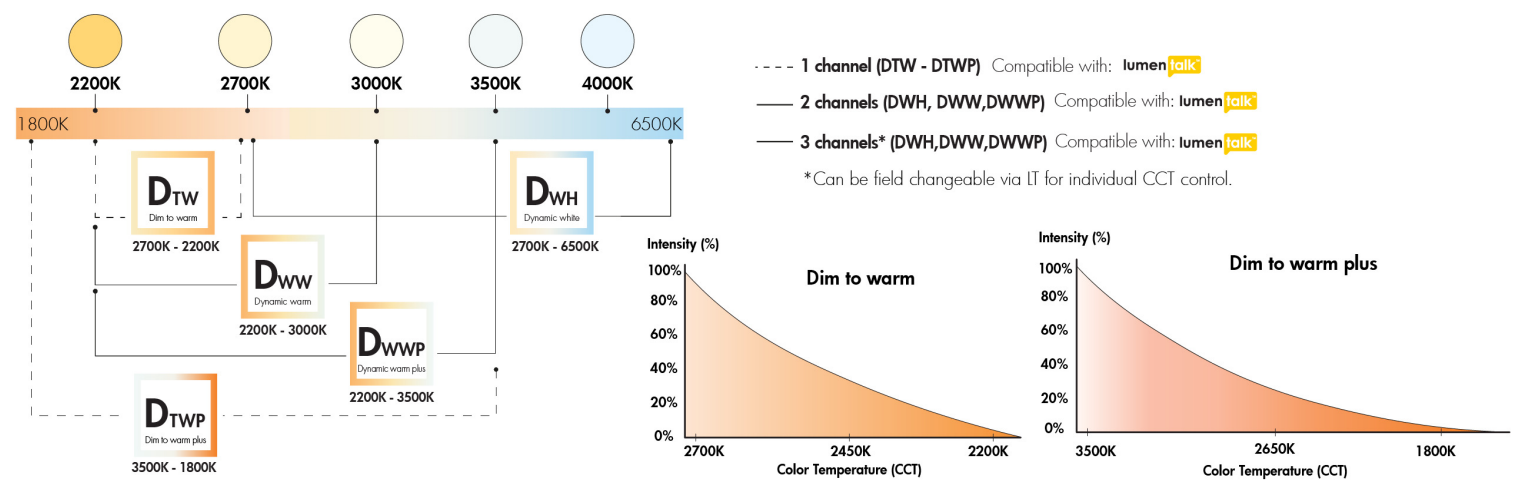


Faceted reflector
NFR/MFR/WFR



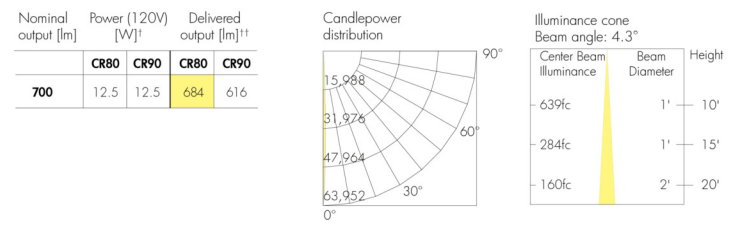
Color and Color Temperature

Color Temperature Ranges

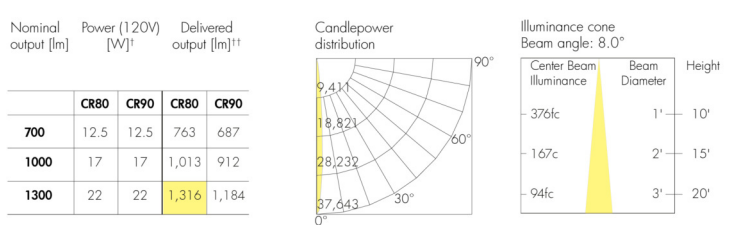


Photometric Information

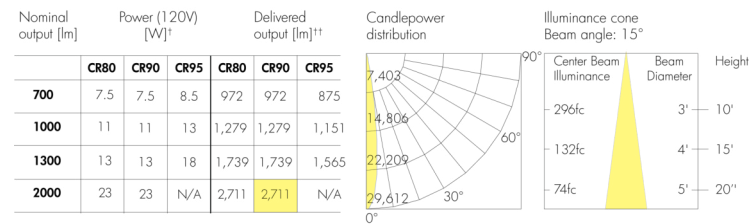
XN - Extra Narrow Spot (Nominal 5°), 4000K



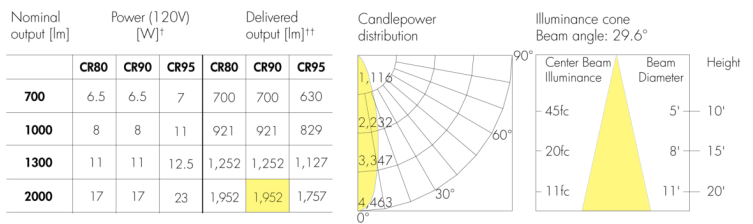
VN - Very Narrow Spot (Nominal 10°), 4000K



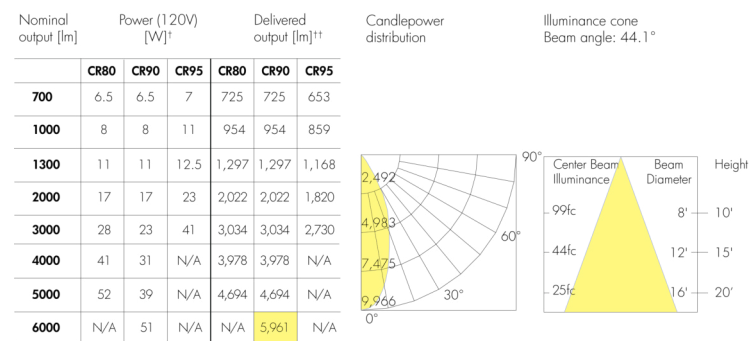
NS - Narrow Spot (Nominal 15°), 4000K



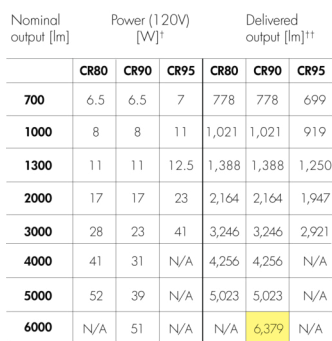
N - Narrow (Nominal 25°), 4000K



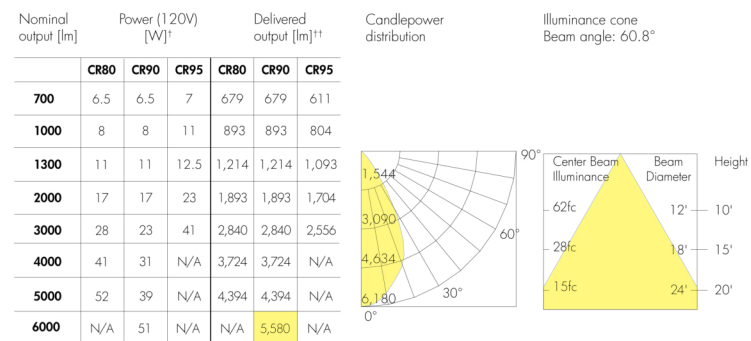
M - Medium (Nominal 40°), 4000K



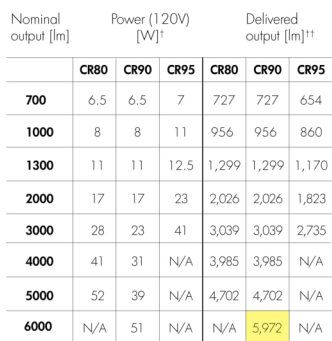
MFR - Medium Faceted Reflector (Nominal 40°), 4000K



W - Wide (Nominal 60°), 4000K



WFR - Wide Faceted Reflector (Nominal 60°), 4000K



†Add 3 watts per fixture when specifying Lumentalk™.

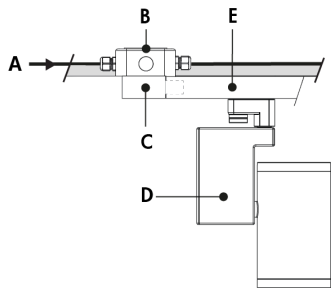
†Delivered wattage: +/- 10% tolerance.

††Consult website for latest IES files. Delivered output: +/- 10% tolerance.

Photometric performance is measured in compliance with IESNA LM-79-08.

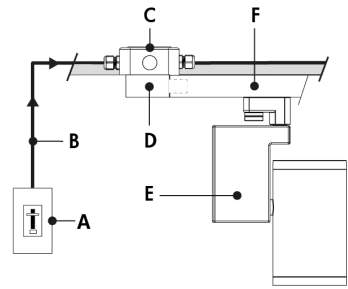
Typical Wiring Diagrams

On/Off Control (NO)



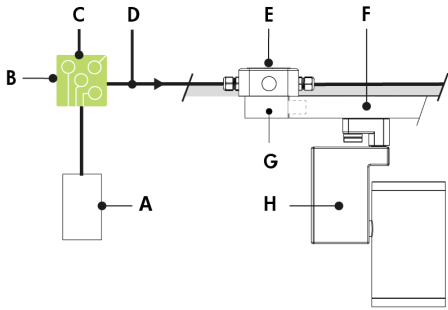
- A - Power input to track (120V)
- B - Junction box (by others)
- C - Live End Feed Track accessory (left)
- D - Lumencore Track Large Spot
- E - Lumencore Track Double Circuit System

Phase Dimming (PH)



- A - Third party Phase dimmer
- B - Phase dimmed power circuit (120V)
- C - Junction box (by others)
- D - Live End Feed Track accessory (left)
- E - Lumencore Track Large Spot
- F - Lumencore Track Double Circuit System

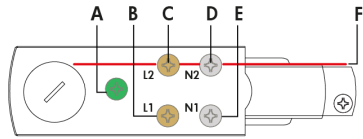
Lumentalk (LT)



- A - Third party dimmer/controller
- B - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- C - Input to Lumentranslator 2
- D - Power line (120V-AC)
- E - Junction box (by others)
- F - Lumencore Track Double Circuit System
- G - Live End Feed Track accessory (left)
- H - Lumencore Track Large Spot

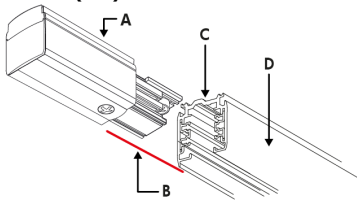
Typical Wiring Details

Double Circuit Wiring Detail - Live End Feed (Left)



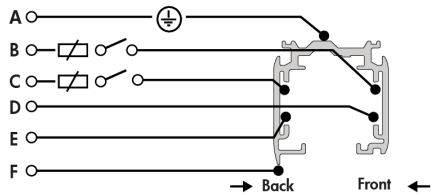
- A - Ground
- B - Line 1
- C - Line 2
- D - Neutral 2
- E - Neutral 1
- F - Polarity line

Lumencore Track Double Circuit System and Live End Feed (Left)



- A - Top view live feed (Reflected ceiling plan view)
- B - Polarity line
- C - Back view
- D - Front view

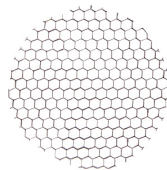
Double Circuit Wiring Detail - Track



- A - Ground
- B - Line 2
- C - Line 1
- D - Neutral 2
- E - Neutral 1
- F - Polarity line

Optical Accessories

HL - Honeycomb Louver



BD - Barn Doors



How to Order

Housing ⁽¹⁾	Certification	Voltage	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Optics (Nominal Distribution)	Finish	Track Adapter Color	Control	Accessories ⁽²⁰⁾ ⁽²¹⁾
LATSL Lumencore Track Large Spot	A UL/cUL	120 120 volts	L07 700 lm	22K 2200K ⁽⁴⁾ ⁽⁵⁾	CR80 CRI 80+ ⁽¹¹⁾	XN Extra narrow spot 5° ⁽¹⁴⁾	WH White	AWH White adapter	NO On/Off Control	NA No accessory
			L10 1000 lm	27K 2700K	CR90 CRI 90+	VN Very narrow spot 10° ⁽¹⁵⁾	BK Black	ABK Black adapter	PH Phase dimming ⁽¹⁷⁾	HL Honeycomb Louver ⁽²²⁾
			L13 1300 lm	30K 3000K	CR95 CRI 95+ ⁽¹²⁾	NS Narrow spot 15° ⁽¹⁶⁾			LT Lumentalk ⁽¹⁸⁾ ⁽¹⁹⁾	BD Barn Doors
			L20 2000 lm	35K 3500K	RCR80 Radiant CRI 80+ ⁽¹³⁾	N Narrow 25° ⁽¹⁶⁾				
			L30 3000 lm ⁽²⁾	40K 4000K	RCR95 Radiant CRI 95+ ⁽⁵⁾ ⁽¹²⁾ ⁽¹³⁾	NFR Narrow faceted reflector 25°				
			L40 4000 lm ⁽²⁾	DTW Dim to Warm (2700K to 2200K) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾		M Medium 40°				
			L50 5000 lm ⁽²⁾	DTWP Dim to Warm Plus (3500K to 1800K) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾		MFR Medium faceted reflector 40°				
			L60 6000lm ⁽²⁾ ⁽³⁾	DWH Dynamic White (2700K to 6500K) ⁽⁷⁾ ⁽⁸⁾ ⁽¹⁰⁾		W Wide 60°				
				DWW Dynamic Warm White (2200K to 3000K) ⁽⁷⁾ ⁽⁸⁾ ⁽¹⁰⁾		WFR Wide faceted reflector 60°				
				DWWP Dynamic Warm White Plus (2200K to 3500K) ⁽⁷⁾ ⁽⁸⁾ ⁽¹⁰⁾						

- Notes:
1. Refer to website product configurator for all exceptions.

2. Available for NFR, M, MFR, W and WFR optics only.

3. Available for CR90 only.

4. Available for CR80 only.

5. Not available for XN and VN optics.

6. Available for 1000, 1300 and 2000 lumens when combined with NFR, M, MFR, W and WFR optics only.

7. NFR, MFR and WFR faceted reflector optics are recommended for optimal performance.

8. Compatible with LT control option only.

9. Available with CR90 only.

10. Available for 1300 lumens when combined with CR80 and NFR, M, MFR, W or WFR optics only.

11. Available for 2200K, 2700K, 3000K, 3500K, 4000K and DWH, DWW or DWWP color options only.

12. CR95 and RCR95 available up to 1300 lumens for NS optic, up to 2000 lumens for N optic up to 3000 lumens for NFR, M, MFR, W and WFR optics only.

13. Radiant CRI options available for 3000K only.

14. Available for 700 lumens when combined with CR80 or CR90 color rendering options only.

15. Available for 700, 1000 and 1300 lumens when combined with CR80 or CR90 color rendering options only.

16. Available up to 2000 lumens.

17. Phase dimming available up to 2000 lumens (CR80, RCR80, CR90, CR95 or RCR95), 3000 lumens (CR80, RCR80 or CR90). Phase dimming not available for 3000 lumens with NS optic.

18. 1% minimum dimming value. Lumentalk dimming available up to 2000 lumens (CR80, RCR80, CR90, CR95 or RCR95), 3000 lumens (CR80, RCR80 or CR90).

19. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLt) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

20. Accessories can be combined.

21. Accessories specified in the fixture code are factory installed but can also be changed in the field. Refer to installation instructions for details. To order accessories separately, refer to the Optical Accessories section of the specification sheet.

22. HL accessory is available for 2200K, 2700K, 3000K, 3500K and 4000K color options only.