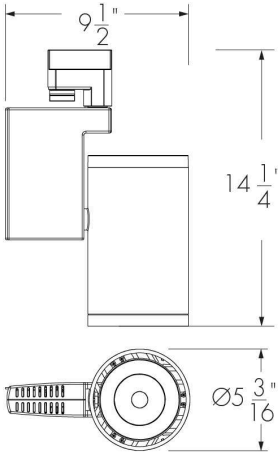
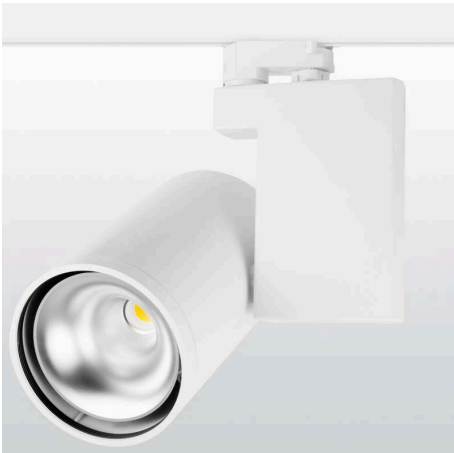


Project Name

Qty

Type

Catalog / Part Number



Front view

Bottom view

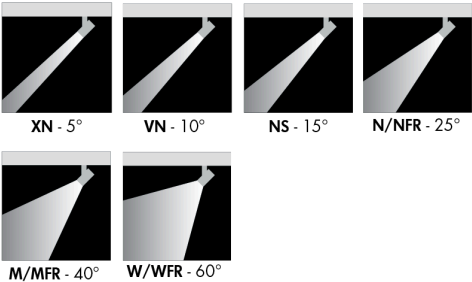
Photometric Summary

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



Control



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)

Lumencycle™ Program



Certifications



Color Rendering	CRI 80+
	CRI 90+
	CRI 95+
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

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

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

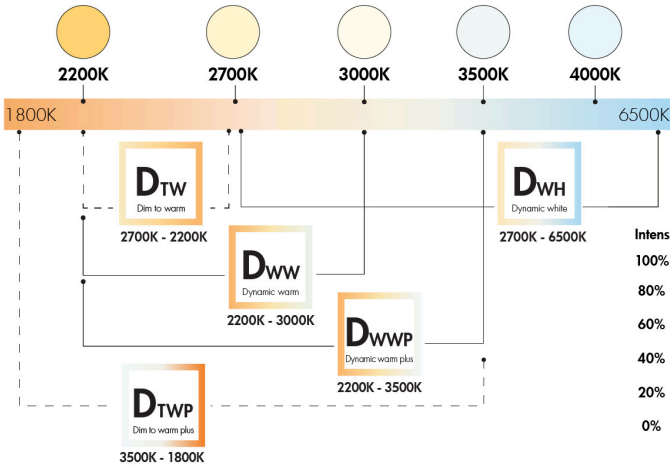


Faceted reflector
NFR/MFR/WFR

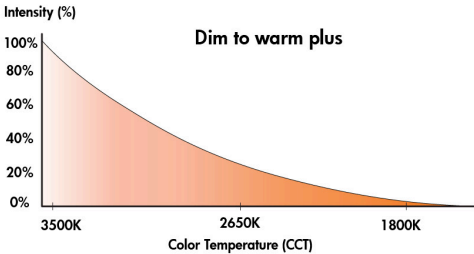
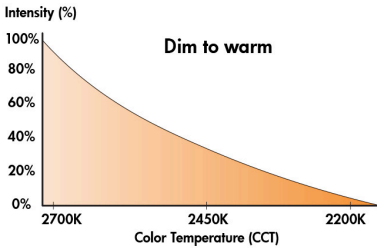


Color and Color Temperature

Color Temperature Ranges



- 1 channel (DTW - DTWP) Compatible with: lumen talk
 - 2 channels (DWH, DWW, DWWP) Compatible with: lumen talk
 - 3 channels* (DWH, DWW, DWWP) Compatible with: lumen talk
- *Can be field changeable via LT for individual CCT control.



Control

Refer to website product configurator for exceptions

On/off control

NO - On/off control

Phase dimming

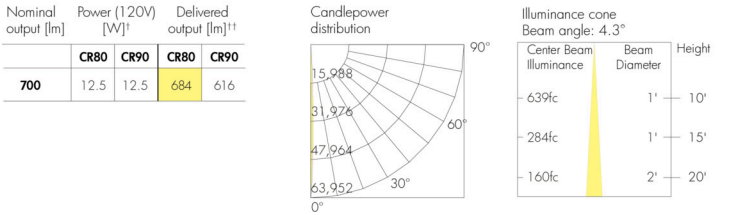
PH - Phase dimming

lumen talk dimming

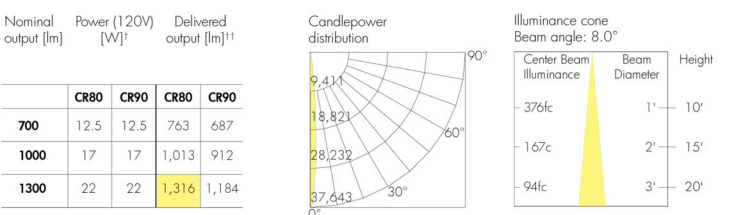
LT - lumentalk dimming, 1% minimum dimming value

Photometric Information

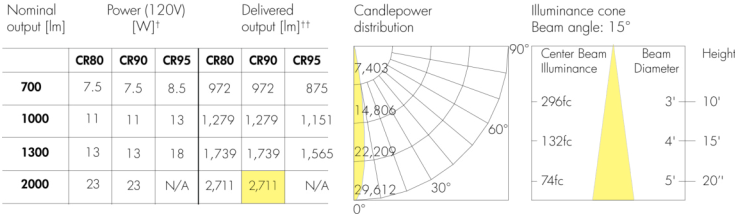
NS - Extra Narrow Spot (Nominal 5°), 4000K



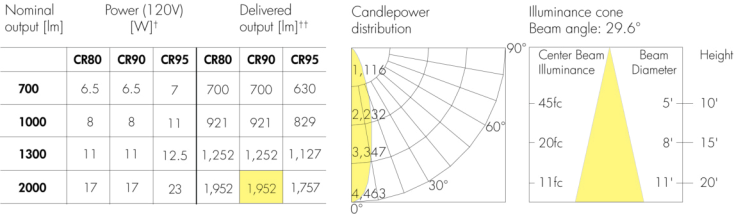
VN - Very Narrow Spot (Nominal 10°), 4000K



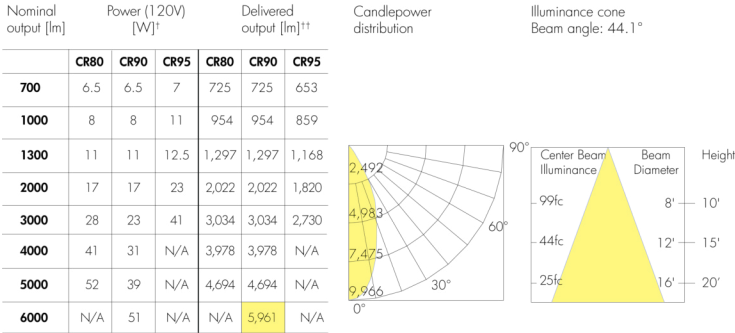
NS - Narrow Spot (Nominal 15°), 4000K



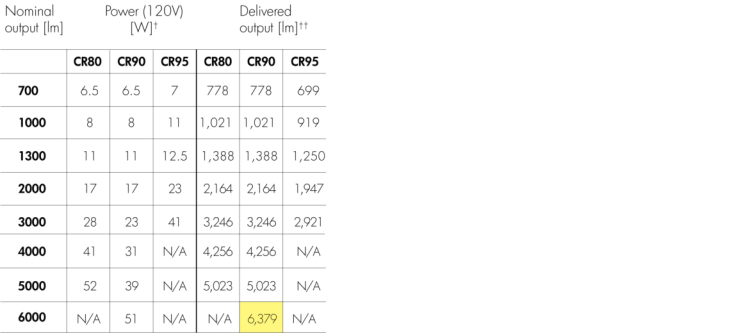
N - Narrow (Nominal 25°), 4000K



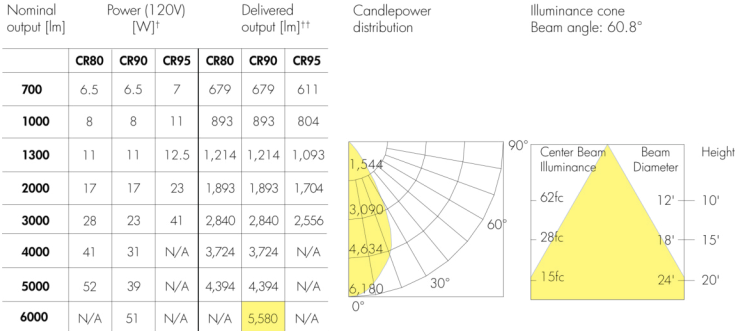
M - Medium (Nominal 40°), 4000K



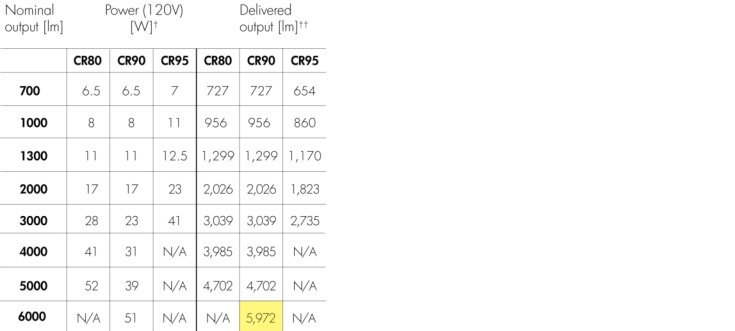
MFR - Medium Faceted Reflector (Nominal 40°), 4000K



W - Wide (Nominal 60°), 4000K



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



†Add 3 watts per fixture when specifying Lumentalk™.

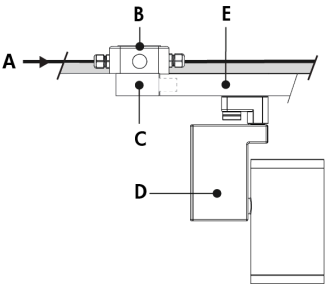
†Delivered wattage: +/- 10% tolerance.

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

Photometric performance is measured in compliance with IESNA LM-79-24.

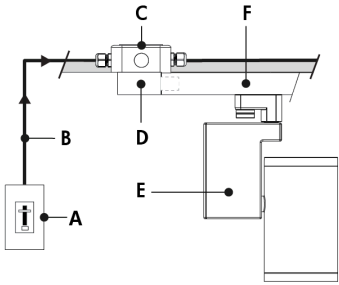
Typical Wiring Diagrams

On/Off Control (NO)



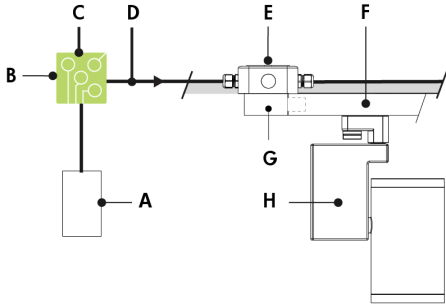
- A - Power input to track (120V)
- B - Junction box (by others)
- C - Live End Feed Track accessory (left)
- D - Lumencore Track Large Spot
- E - Lumencore Track Double Circuit System

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

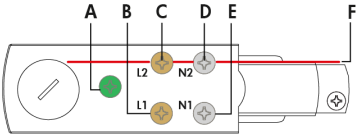
Lumentalk (LT)



- 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

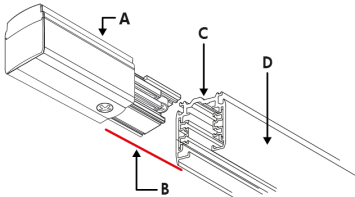
Typical Wiring Details

Double Circuit Wiring Detail - Live End Feed (Left)



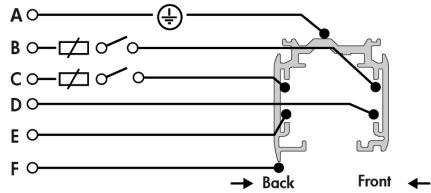
- A - Ground
- B - Line 1
- C - Line 2
- D - Neutral 2
- E - Neutral 1
- F - Polarity line

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

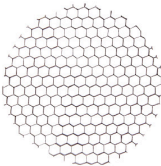
Double Circuit Wiring Detail - Track



- 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 L10 1000 lm L13 1300 lm L20 2000 lm L30 3000 lm ⁽²⁾ L40 4000 lm ⁽²⁾ L50 5000 lm ⁽²⁾ L60 6000lm ⁽²⁾ ⁽³⁾	22K 2200K ⁽⁴⁾ ⁽⁵⁾ 27K 2700K 30K 3000K 35K 3500K 40K 4000K DTW Dim to Warm (2700K to 2200K) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾ DTWP Dim to Warm Plus (3500K to 1800K) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾ DWH Dynamic White (2700K to 6500K) ⁽⁷⁾ ⁽⁸⁾ ⁽¹⁰⁾ DWW Dynamic Warm White (2200K to 3000K) ⁽⁷⁾ ⁽⁸⁾ ⁽¹⁰⁾ DWWP Dynamic Warm White Plus (2200K to 3500K) ⁽⁷⁾ ⁽⁸⁾ ⁽¹⁰⁾	CR80 CRI 80+ ⁽¹¹⁾ CR90 CRI 90+ CR95 CRI 95+ ⁽¹²⁾ RCR80 Radiant CRI 80+ ⁽¹³⁾ RCR95 Radiant CRI 95+ ⁽⁵⁾ ⁽¹²⁾ ⁽¹³⁾	XN Extra Narrow Spot 5° ⁽¹⁴⁾ VN Very Narrow Spot 10° ⁽¹⁵⁾ NS Narrow Spot 15° ⁽¹⁶⁾ N Narrow 25° ⁽¹⁶⁾ NFR Narrow Faceted Reflector 25° M Medium 40° MFR Medium Faceted Reflector 40° W Wide 60° WFR Wide Faceted Reflector 60°	WH White BK Black	AWH White Adapter ABK Black Adapter	NO On/Off Control PH Phase Dimming ⁽¹⁷⁾ LT Lumentalk Enabled Dimming ⁽¹⁸⁾ ⁽¹⁹⁾	NA No Accessory HL Honeycomb Louver ⁽²²⁾ BD Barn Doors

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. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

19. 1% minimum dimming value. Lumentalk dimming available up to 2000 lumens (CR80, RCR80, CR90, CR95 or RCR95), 3000 lumens (CR80, RCR80 or CR90).

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.