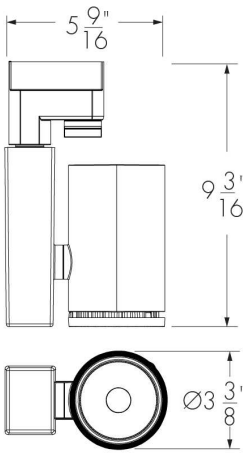


Project Name

Qty

Type

Catalog / Part Number



Front view

Bottom view

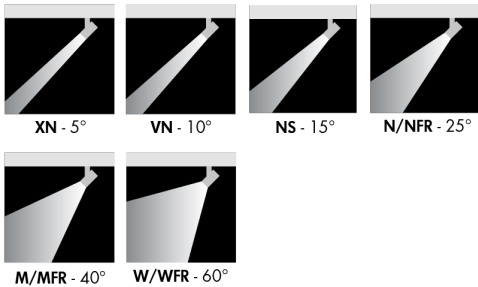
Photometric Summary

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

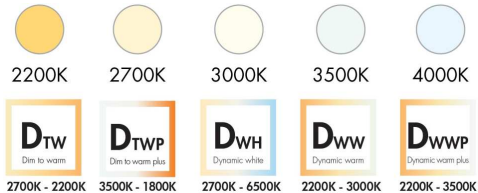
Nominal output [lm]	Delivered output [lm] [1]	Power (120V) [W] [2]	Efficacy [lm/W]
700	661	6.5	102
1000	872	8	109
1300	1,190	11	108
2000	1,850	17	109

[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 Small Spot is a compact, high-performance spotlight that combines minimal size with a powerful output up to 3000 lumens. Fully adjustable, the luminaire provides an alternative to ceramic metal halide lamps - with more options, longer life, improved color stability and lower energy consumption.

Features

Output (Nominal Lumens)	700 lm, 1000 lm, 1300 lm, 2000 lm, 3000 lm
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°
Trim Ring Finish	White trim ring, Black trim ring
On/off switch	Integral on/off switch to simplify maintenance
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	Up to 2,941 lm (medium faceted reflector optic 40°, 4000K, CRI 80)
Maximum Delivered Intensity	Up to 63,952 cd (extra narrow spot optic 5°, 4000K, CRI 80)


<b>Control</b>	
ON/OFF	lumen <span>talk</span> PH
<b>Certifications</b>	
<div><div>US</div><div>RoHS</div><div>5 YEARS</div></div>	
<b>Efficacy</b>	Up to 115 lm/W (medium faceted reflector optic 40°, 4000K, CRI 80)
<b>Color Consistency</b>	2 SDCM, 3 SDCM (XN optic only)
<b>Color Rendering</b>	CRI 80+ CRI 90+ CRI 95+
<b>Lumen Maintenance</b>	L95 55,000 hrs L70 225,000 hrs
<b>Physical</b>	
<b>Housing Material</b>	Aluminum
<b>Weight</b>	2.75 lbs
<b>TIR Optics Material</b>	Clear polycarbonate
<b>Reflector Material</b>	Aluminum
<b>Finish</b>	White, Black
<b>Track Adapter Color</b>	White adapter, Black adapter
<b>Adjustability</b>	+/- 90° tilt — 355° rotation, Lockable tilt and rotation
<b>Electrical and Control</b>	
<b>Voltage</b>	120 volts
<b>Track Adapter Type</b>	Two circuit track adapter standard
<b>Control</b>	On/Off Control, Phase dimming, Lumentalk
<b>Environmental</b>	
<b>Environment</b>	Dry location (indoor applications only)
<b>Operating Temperature</b>	-4 °F to 104 °F
<b>Ingress Protection Rating</b>	IP20 (with medium and wide optics without accessories)

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



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www.lumempulse.com www.lumempulse.com/products/3553

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.

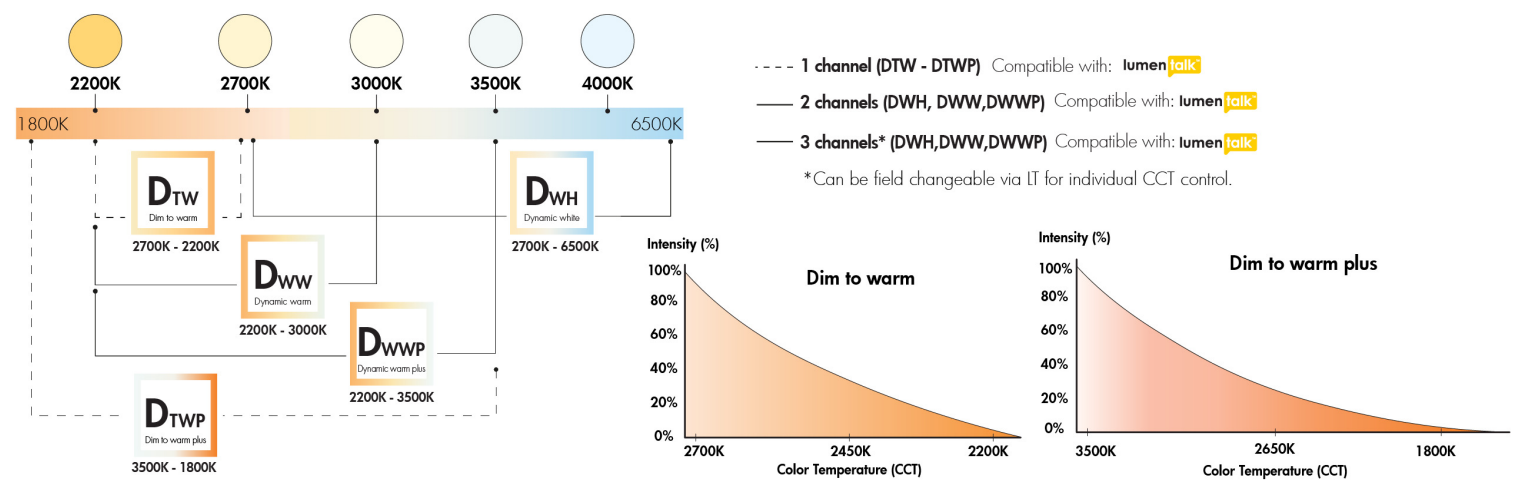
2024.07.11 Copyright © 2024 LMPG Inc.

JC - R14

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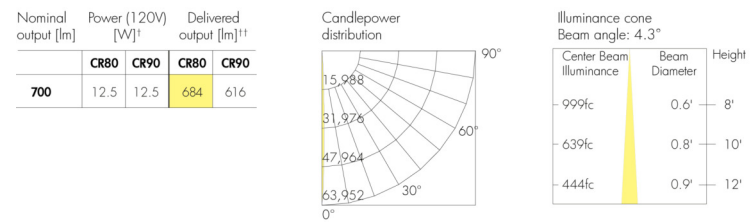
Color and Color Temperature

Color Temperature Ranges

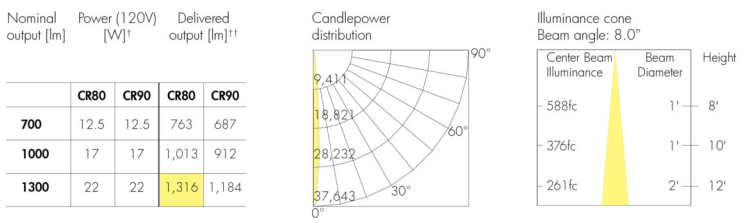


Photometric Information

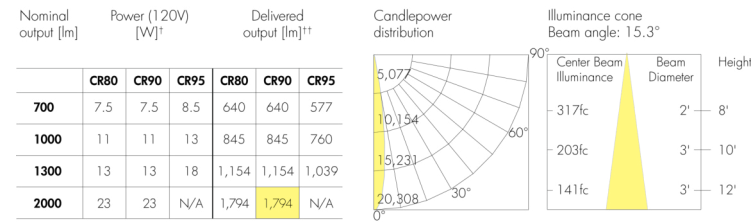
XN - Extra Narrow Spot (Nominal 5°), 4000K



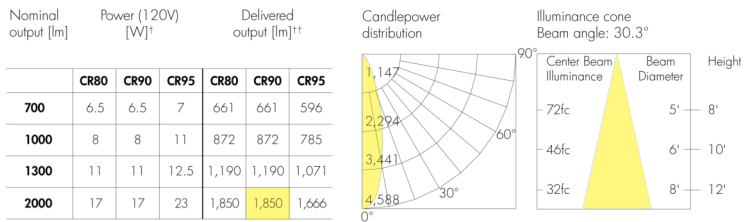
VN - Very Narrow Spot (Nominal 10°), 4000K



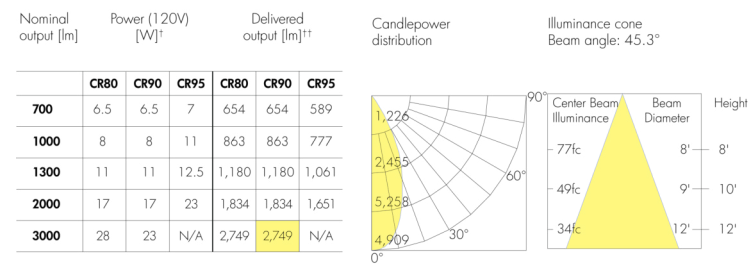
NS - Narrow Spot (Nominal 15°), 4000K



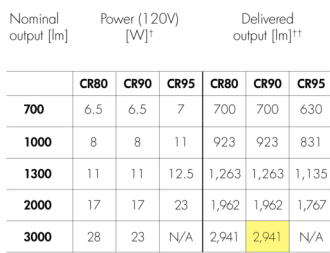
N - Narrow (Nominal 25°), 4000K



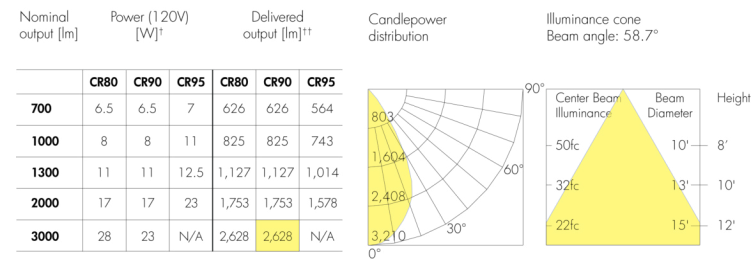
M - Medium (Nominal 40°), 4000K



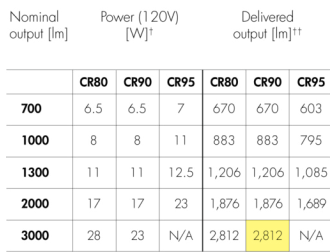
MFR - Medium Faceted Reflector (Nominal 40°), 4000K



W - Wide (Nominal 60°), 4000K



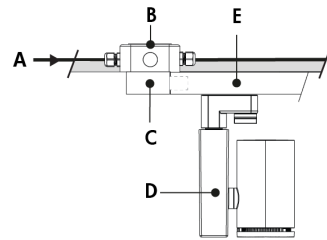
WFR - Wide Faceted Reflector (Nominal 60°), 4000K



†Add 3 watts per fixture when specifying Lumentalk™.  
†Delivered wattage: +/- 10% tolerance.  
††Preliminary, consult website for latest ies files. Delivered output: +/- 10% tolerance.

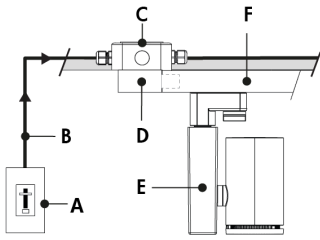
Typical Wiring Diagrams

On/Off Control (NO)



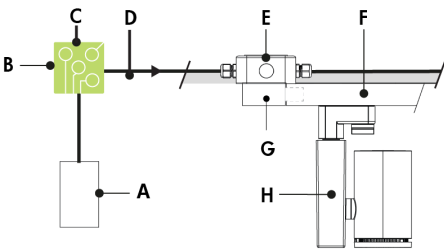
- A - Power input to track (120V)
- B - Junction box (by others)
- C - Live End Feed Track accessory (left)
- D - Lumencore Track Small Spot
- E - Lumencore Track Double Circuit System

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 Small Spot
- F - Lumencore Track Double Circuit System

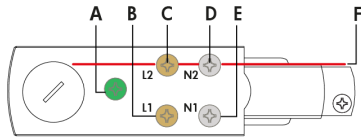
Lumentalk (LT)



- 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 Small Spot

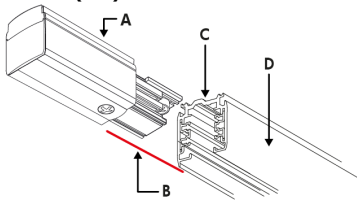
Typical Wiring Details

Double Circuit Wiring Detail - Live End Feed (Left)



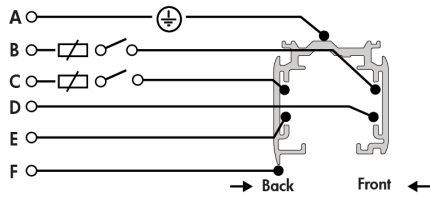
- A - Ground
- B - Line 1
- C - Line 2
- D - Neutral 2
- E - Neutral 1
- F - Polarity line

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



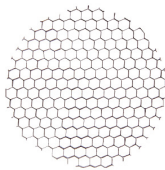
- A - Ground
- B - Line 2
- C - Line 1
- D - Neutral 2
- E - Neutral 1
- F - Polarity line

Optical Accessories

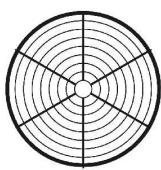
SL - Softening Glass Lens



HL - Honeycomb Louver



XLVR - Concentric Ring Louver



CL - Clear Glass Lens



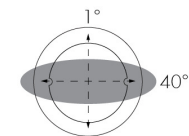
PD - Prismatic Diffuser



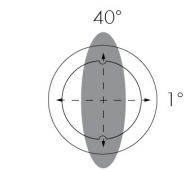
LSN - Linear Spread Lens Narrow (1° x 40°)



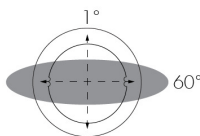
LSW - Linear Spread Lens Wide (1° x 60°)



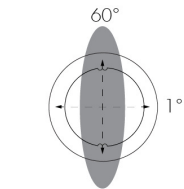
Horizontal Beam Distribution



Vertical Beam Distribution



Horizontal Beam Distribution



Vertical Beam Distribution

How to Order

Housing <sup>(1)</sup>	Certification	Voltage	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Optics (Nominal Distribution)	Finish	Trim Ring Finish	Track Adapter Color	Control	Accessories (20) (21)
LATSS Lumencore Track Small Spot	A UL/cUL	120 120 volts	L07 700 lm	22K 2200K <sup>(3) (4)</sup>	CR80 CRI 80+ <sup>(11)</sup>	XN Extra narrow spot 5° <sup>(14)</sup>	WH White	TWH White trim ring	AWH White adapter	NO On/Off Control	NA No accessory
			L10 1000 lm	27K 2700K	CR90 CRI 90+	VN Very narrow spot 10° <sup>(15)</sup>	BK Black	TBK Black trim ring	ABK Black adapter	PH Phase dimming <sup>(17)</sup>	SL Softening Glass Lens
			L13 1300 lm	30K 3000K	CR95 CRI 95+ <sup>(12)</sup>	NS Narrow spot 15° <sup>(16)</sup>				LT Lumentalk <sup>(18) (19)</sup>	HL Honeycomb Louver <sup>(22)</sup>
			L20 2000 lm	35K 3500K	RCR80 Radiant CRI 80+ <sup>(13)</sup>	N Narrow 25° <sup>(16)</sup>					XLVR Concentric Ring Louver <sup>(23)</sup>
			L30 3000 lm <sup>(2)</sup>	40K 4000K	RCR95 Radiant CRI 95+ <sup>(4) (12)</sup> <sup>(13)</sup>	NFR Narrow faceted reflector 25°	M Medium 40°				CL Clear Glass Lens
				DTW Dim to Warm (2700K to 2200K) <sup>(5) (6)</sup> <sup>(7) (8)</sup>		MFR Medium faceted reflector 40°	W Wide 60°				PD Prismatic Diffuser
				DTWP Dim to Warm Plus (3500K to 1800K) <sup>(5) (6)</sup> <sup>(7) (8)</sup>		WFR Wide faceted reflector 60°					LSN Linear Spread Lens Narrow (1° x 40°) <sup>(24)</sup>
				DWH Dynamic White (2700K to 6500K) <sup>(5) (7)</sup> <sup>(9) (10)</sup>							LSW Linear Spread Lens Wide (1° x 60°) <sup>(24)</sup>
				DWW Dynamic Warm White (2200K to 3000K) <sup>(5) (7)</sup> <sup>(9) (10)</sup>							
				DWWP Dynamic Warm White Plus (2200K to 3500K) <sup>(5)</sup> <sup>(7) (9) (10)</sup>							

Notes:

1. Refer to website product configurator for all exceptions.

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

3. Available for CR80 only.

4. Not available for XN and VN optics.

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

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

7. Compatible with LT control option only.

8. Available with CR90 only.

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

10. Available with LT control option 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, 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), and 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 1300 lumens (CR80, RCR80, CR90, CR95 or RCR95), 2000 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. Maximum one accessory per fixture.

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.

23. Available for XN, VN and NS optics only.

24. Available for XN, VN, NS, N and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color options only. Available for NFR optic only when combined with DTW, DTWP, DWH, DWW or DWWP color options only.