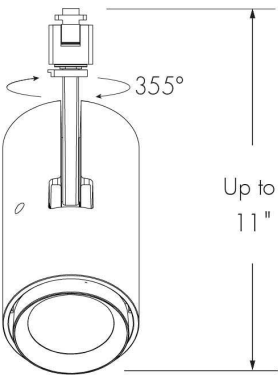


Project Name

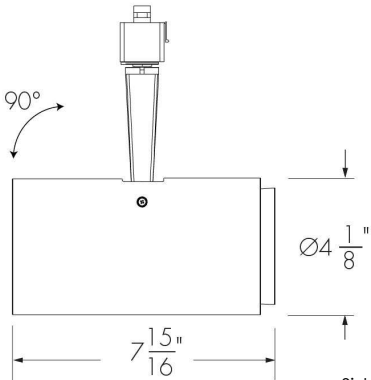
Qty

Type

Catalog / Part Number



One circuit model shown



Side view

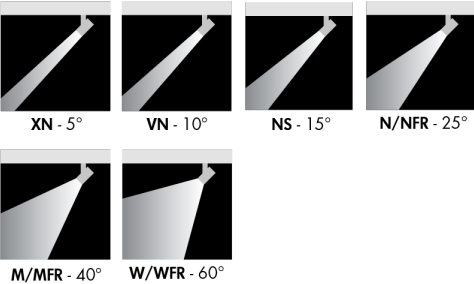
Photometric Summary

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

Nominal output [lm]	Delivered output [lm] ^[1]	Power (120V) [W] ^[2]	Efficacy [lm/W]
700	601	6.5	92
1000	793	8	99
1300	1,081	11	98
2000	1,682	18	93

[1] Consult website for latest IES files.
[2] Add 3 watts per fixture when specifying Lumentalk™.
Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Color and color temperature



Description

The Lumencore Track M4 Spot is a LED spotlight available in both 1-circuit and 2-circuit configurations. The Lumencore Track M4 Spot offers a wide range of outputs, field-changeable accessories, multiple finishes, and optics, including Extra Narrow Spot (XN 5°) and Very Narrow Spot (VN 10°). Lumentalk enabled.

Features

Output (Nominal Lumens)	700 lm, 1000 lm, 1300 lm, 2000 lm, 3000 lm, 4000 lm, 5000 lm
Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Dim to Warm, Dim to Warm 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 (two circuit track only)
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	Up to 4,725 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 120 lm/W (medium faceted reflector optic 40°, 4000K, CRI 80)
Color Consistency	2 SDCM, 3 SDCM (XN optic only)
Color Rendering	CRI 80+ CRI 90+ CRI 95+
Lumen Maintenance	L95 55,000 hrs L70 225,000 hrs

Control

ON/OFF

Phase Dimming



Finishes



MWH-Matte white



MBK-Matte black



MBR-Matte brown



MOR-Matte orange



MGR-Matte green



MBL-Matte blue



MSI-Matte silver



GWH-Glossy white



GBK-Glossy black



GYL-Glossy yellow



GLR-Glossy red



GVI-Glossy violet



GGR-Glossy green



GIY-Glossy ivory



CGY-Concrete grey



MLG-Metalized grey



IBR-Italian brick red



PWH-Parget white



CC-Custom color and finish
(Please specify RAL color)

Ajustability



+/- 90° tilt — 355° rotation

Certifications







Physical

Housing Material	Aluminum
Weight	4 lbs
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum
Track Adapter Type	One circuit track adapter standard, Two circuit track adapter standard
Track Adapter Color	White adapter, Black adapter
Adjustability	+/- 90° tilt — 355° rotation, Lockable tilt and rotation

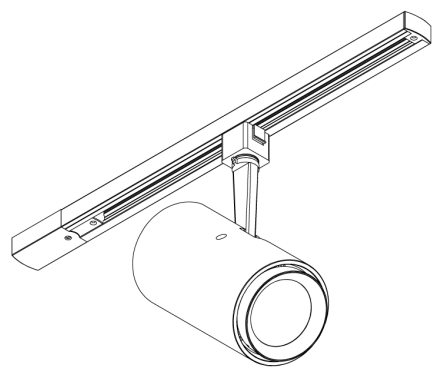
Electrical and Control

Voltage	120 volts
Control	On/Off Control, Phase dimming, Lumentalk

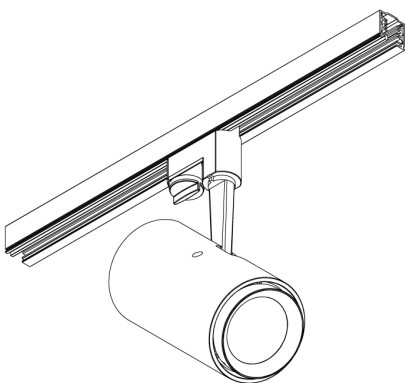
Environmental

Environment	Dry location (indoor applications only)
Operating Temperature	-4 °F to 104 °F
Ingress Protection Rating	IP20

Mounting Options

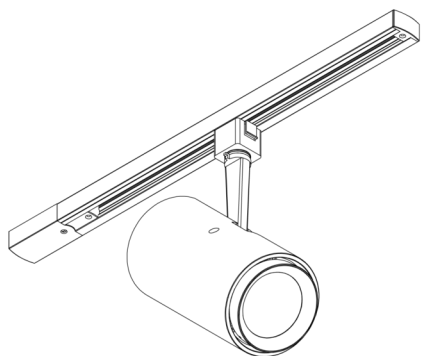


Adaptateur de rail standard pour 1 circuit

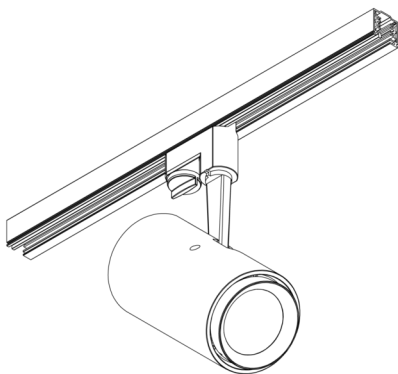


Adaptateur de rail standard pour 2 circuits

One Circuit Track Adapter

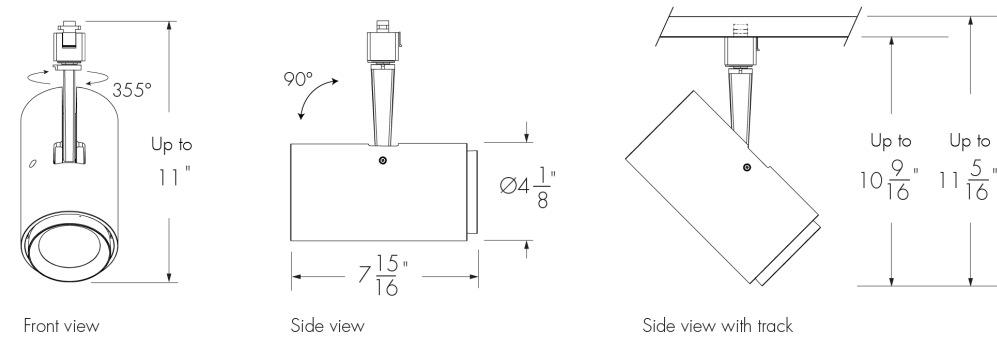


Two Circuit Track Adapter Standard

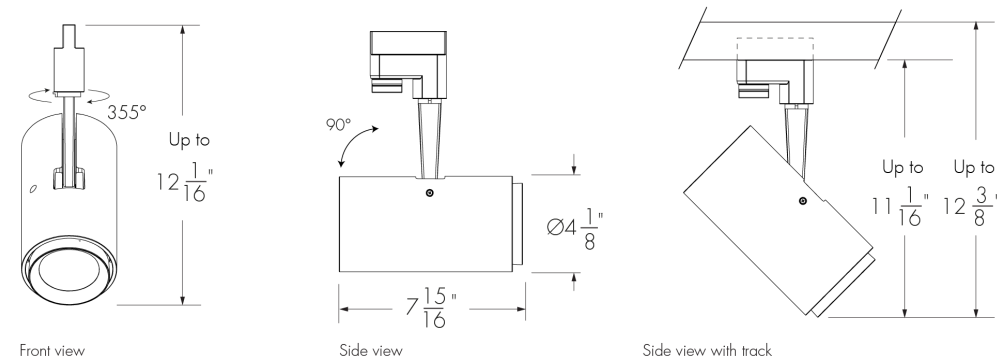


Fixture Dimensions

One Circuit Track



Two Circuit Track



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

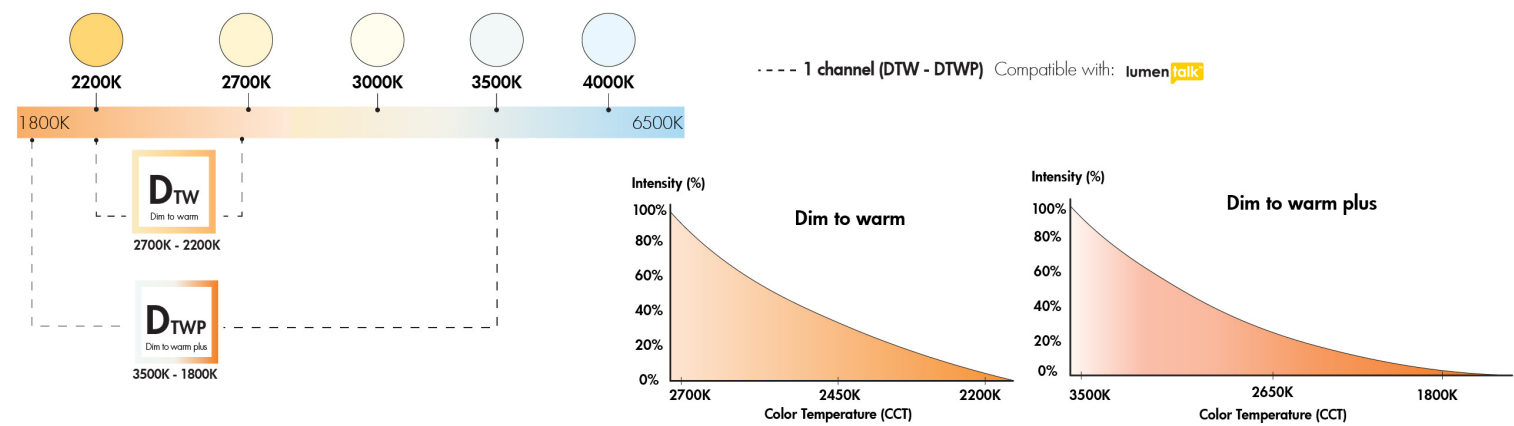


Faceted reflector
NFR/MFR/WFR



Color and Color Temperature

Color Temperature Ranges



Control

Refer to website product configurator for exceptions

On/off control

NO - On/off control

Phase dimming

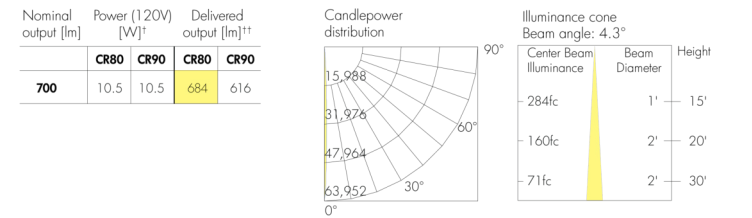
PH - Phase dimming

lumen talk dimming

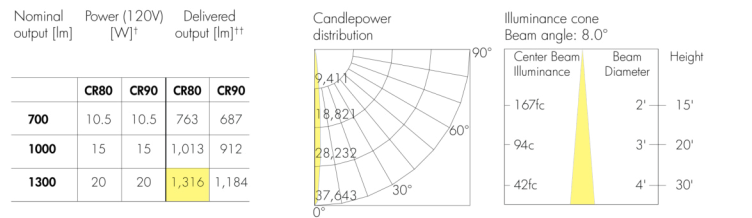
LT - lumentalk dimming, 1% minimum dimming value

Photometric Information

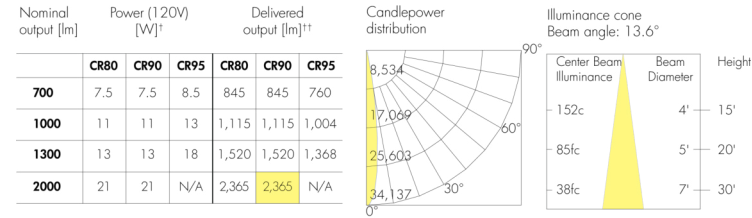
XN - Extra Narrow Spot (Nominal 5°), 4000K



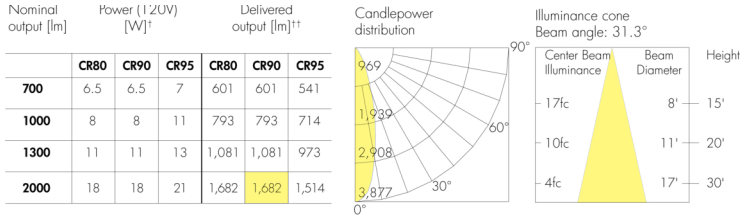
VN - Very Narrow Spot (Nominal 10°), 4000K



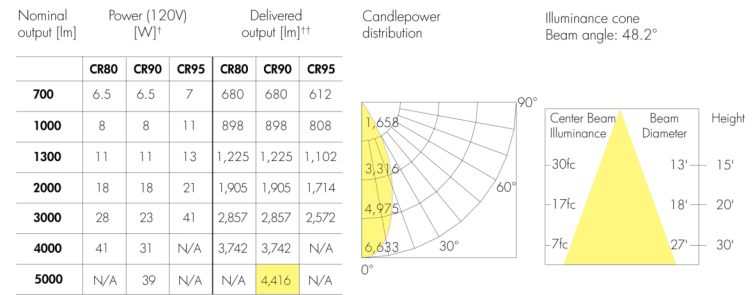
NS - Narrow Spot (Nominal 15°), 4000K



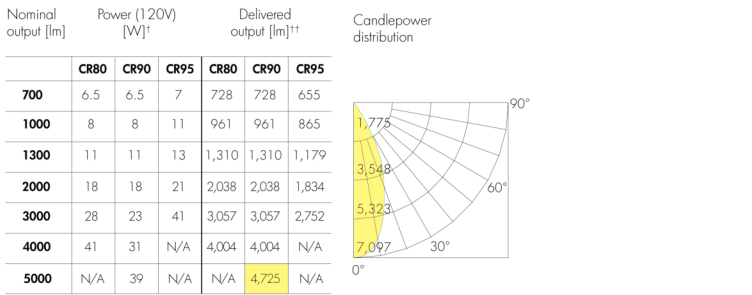
N - Narrow (Nominal 25°), 4000K



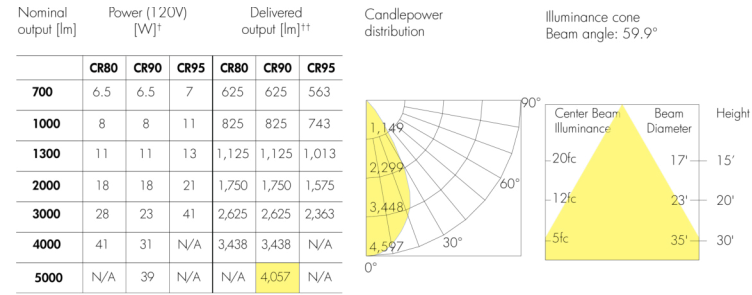
M - Medium (Nominal 40°), 4000K



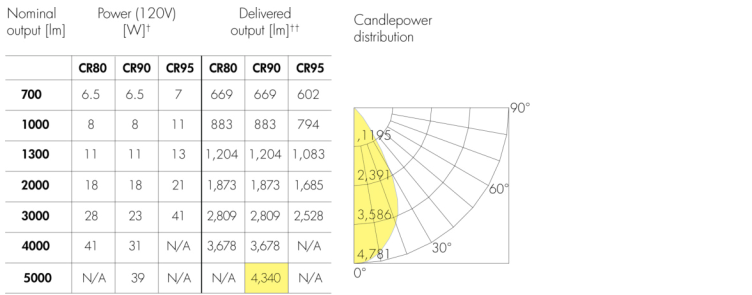
MFR - Medium Faceted Reflector (Nominal 40°), 4000K



W - Wide (Nominal 60°), 4000K



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



† Add 3 watts per fixture when specifying Lumentalk™.

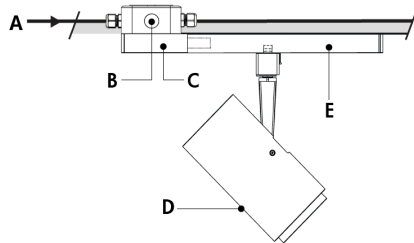
† Delivered wattage: +/- 10% tolerance.

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

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

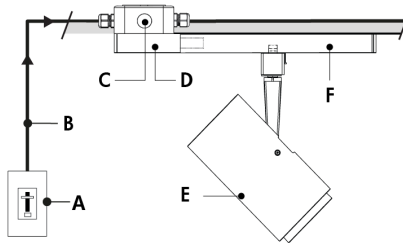
Typical Wiring Diagrams

On/Off Control (NO)



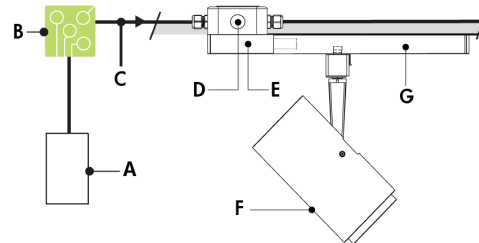
- A - Power input to track (120V)
 B - Junction box (by others)
 C - Live End Feed Track accessory (left)
 D - Lumencore Track M4 Spot
 E - Lumencore Track Single Circuit System

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 M4 Spot
 F - Lumencore Track Single Circuit System

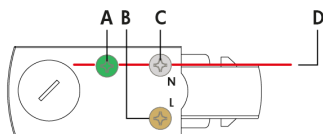
Lumentalk (LT)



- A - Third party dimmer/controller
 B - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
 C - Power line (120V-AC)
 D - Junction box (by others)
 E - Live End Feed Track accessory (left)
 F - Lumencore Track M4 Spot
 G - Lumencore Track Single Circuit System

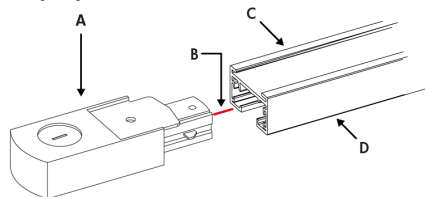
Typical Wiring Details

One Circuit Wiring Detail - Live End Feed (Left)



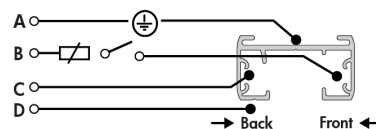
- A - Ground
 B - Line 1
 C - Neutral 1
 D - Polarity line

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



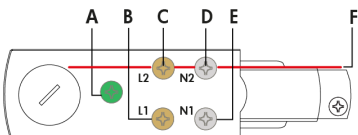
- A - Top view live feed (Reflected ceiling plan view)
 B - Polarity line
 C - Back view
 D - Front view

One Circuit Wiring Detail - Track



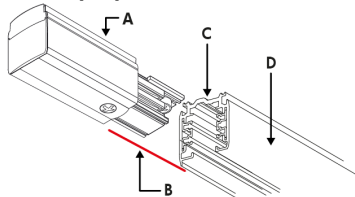
- A - Ground
 B - Line 1
 C - Neutral 1
 D - Polarity line

Double Circuit Wiring Detail - Live End Feed (Left)



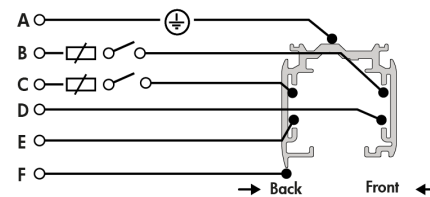
- A - Ground
 B - Line 1
 C - Line 2
 D - Neutral 2
 E - Neutral 1
 F - Polarity line

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

* Line 1 and 2 are reversed for a live end right polarity. Max 2400W per circuit , 4800W total , Max 120V - 60HZ per circuit Max 20AMP per circuit.

Optical Accessories

SL - Softening Glass Lens



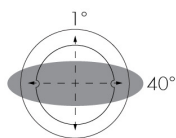
LATSM4-SL

CL - Clear Glass Lens



LATSM4-CL

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

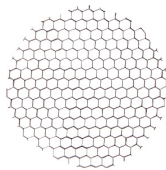


Horizontal Beam Distribution

LATSM4-LSN

Maximum one accessory installed at a time.

HL - Honeycomb Louver



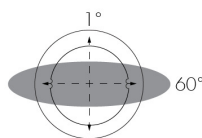
LATSM4-HL

PD - Prismatic Diffuser



LATSM4-PD

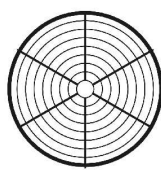
LSW - Linear Spread Lens Wide (1° x 60°)



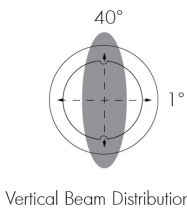
Horizontal Beam Distribution

LATSM4-LSW

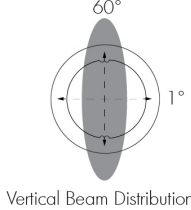
XLVR - Concentric Ring Louver



LATSM4-XLVR



Vertical Beam Distribution



Vertical Beam Distribution

How to Order

Housing ⁽¹⁾	Certification	Voltage	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Optics (Nominal Distribution)	Finish	Bezel	Interior Bezel Finish				
LATSM4 Lumencore Track M4 Spot	A UL/cUL	120 120 volts	L07 700 lm	22K 2200K ⁽⁴⁾ ⁽⁵⁾	CR80 CRI 80+	XN Extra narrow spot 5° ⁽¹²⁾	MWH Matte White	b Bezel	MWH Matte White				
			L10 1000 lm	27K 2700K	CR90 CRI 90+	VN Very narrow spot 10° ⁽¹³⁾	MBK Matte Black		MBK Matte Black				
			L13 1300 lm	30K 3000K	CR95 CRI 95+ ⁽¹⁰⁾	NS Narrow spot 15° ⁽¹⁴⁾	MBR Matte Brown		MBR Matte Brown				
			L20 2000 lm	35K 3500K	RCR80 Radiant CRI 80+ ⁽⁵⁾ ⁽¹¹⁾	N Narrow 25° ⁽¹⁴⁾	MOR Matte Orange		MOR Matte Orange				
			L30 3000 lm ⁽²⁾	40K 4000K	RCR95 Radiant CRI 95+ ⁽⁵⁾ ⁽¹⁰⁾ ⁽¹¹⁾	NFR Narrow faceted reflector 25°	MGR Matte Green		MGR Matte Green				
			L40 4000 lm ⁽²⁾	DTW Dim to Warm (2700K to 2200K) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾		M Medium 40°	MBL Matte Blue		MBL Matte Blue				
			L50 5000 lm ⁽²⁾ ⁽³⁾	DTWP Dim to Warm Plus (3500K to 1800K) ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾		MFR Medium faceted reflector 40°	MSI Matte Silver		MSI Matte Silver				
									W Wide 60°	GWH Glossy White	GWH Glossy White		
									WFR Wide faceted reflector 60°	GBK Glossy Black	GBK Glossy Black		
										GYL Glossy Yellow	GYL Glossy Yellow		
										GLR Glossy Red	GLR Glossy Red		
										GVI Glossy Violet	GVI Glossy Violet		
										GGR Glossy Green	GGR Glossy Green		
										GIY Glossy Ivory	GIY Glossy Ivory		
										CGY Concrete Grey	CGY Concrete Grey		
										MLG Metalized Grey	MLG Metalized Grey		
										IBR Italian Brick Red	IBR Italian Brick Red		
										PWH Parget White	PWH Parget White		
										CC Custom Color & Finish ⁽¹⁵⁾	CC Custom Color & Finish ⁽¹⁵⁾		

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

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

8. Compatible with LT control option only.

9. Available with CR90 only.

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

11. Radiant CRI options available for 3000K only.

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

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

14. Available up to 2000 lumens.

15. Longer lead times can be expected for custom RAL color finishes.

How to Order

Track Adapter Type	Track Adapter Color	Control	Accessories ⁽¹⁹⁾ ⁽²⁰⁾
1C One circuit track adapter standard ⁽¹⁶⁾ 2C Two circuit track adapter standard	AWH White adapter ABK Black adapter	NO On/Off Control PH Phase dimming ⁽¹⁷⁾ LT Lumentalk ⁽¹⁸⁾	NA No accessory SL Softening Glass Lens HL Honeycomb Louver ⁽²¹⁾ XLVR Concentric Ring Louver ⁽²²⁾ CL Clear Glass Lens PD Prismatic Diffuser LSN Linear spread lens narrow (1° x 40°) ⁽²³⁾ LSW Linear spread lens wide (1° x 60°) ⁽²³⁾

Notes:

- 16.** Monopoint accessory available. Refer to Single Circuit Track specification sheet for details.

17. Phase dimming available up to 2000 lumens (CR80, RCR80, CR90, CR95 or RCR95), 3000 lumens (CR80, RCR80, CR90, CR95 or RCR95) and 4000 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). Lumentalk dimming not available for 3000 lumens when combined with NS optic.

19. Maximum one accessory per fixture.
- 20.** 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.

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

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

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