

Type _____
 Project _____
 Catalog No. _____
 Lamp/Wattage _____

**NTE-810 Series
 Pillar LED Track Head**

Lamp: 18W LED Source

PRODUCT DESCRIPTION

Architecturally styled track head utilizing LED technology from Nora Lighting. The stylish 18W LED track fixture is available in 3000K and 4200K color temperatures with a 30 degree flood and 15 degree spot light distribution. As always with LED technology there is no harmful UV and infrared rays, no projected forward heat makes it ideal for heat and UV light sensitive merchandise and artwork.

FEATURES

- Over 75% energy savings when compared to incandescent
- Up to 742 Lumens and 80 CRI
- Available in 3000K & 4200K CCT
- Available in 2 different beam spreads; 15° & 30°
- Black, Silver, White Finishes
- One or two circuit track capable

CONSTRUCTION

Housing

Die-cast construction with heat dissipating fins, for driver and LED package to optimize heat management.

Slim Style

Architectural low profile design, slim vertical driver housing.

Adjustability

358° horizontal and 180° vertical adjustment.

Performance

Up to 742 Lumens and 80 CRI according to independent lab tests.

Deeply set high-output single LED for constant color and excellent cut-off.

The high output 18W LED track fixture with Class 2 driver included consumes 20W and performs at the level of a 50W MR16, but much cooler to the touch.

Long Life

30,000 hour potential life at 70% of total lumen output.

Contact Head Assembly

Three 0.030 stainless steel contacts mounted in premium plastic housing.

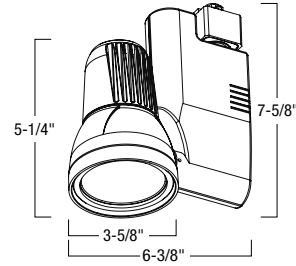
Source

Single high-output single LED available in cool and warm white colors. (included)

One/Two Circuit Conversion

Positive contact (opposite neutral and ground contacts) is preset to "down" position at the factory, but may be raised to the high position to install onto the second circuit of Nora Lighting's NT-2300 series two-circuit track.

DIMENSIONS



Diameter: 3-5/8"
 Width: 6-3/8"
 Length: 5-1/4"
 Max. Ext.: 7-5/8"

Finishes

Black, Silver, or White power coated.

Applications

Excellent choice for commercial, retail stores, art, and jewelry applications.

Compatibility

Nora track fixtures are interchangeable with Halo, Catalina, Hampton Bay, Halo-Edison, or any other brands configured to Halo track system design.
Note: fixtures may not be compatible with non-Nora monopoint adapters.

Labels and Warranty

cUL approved
 Three Year Limited Warranty



Create a complete track head number: Example: NTE-810L42F18B

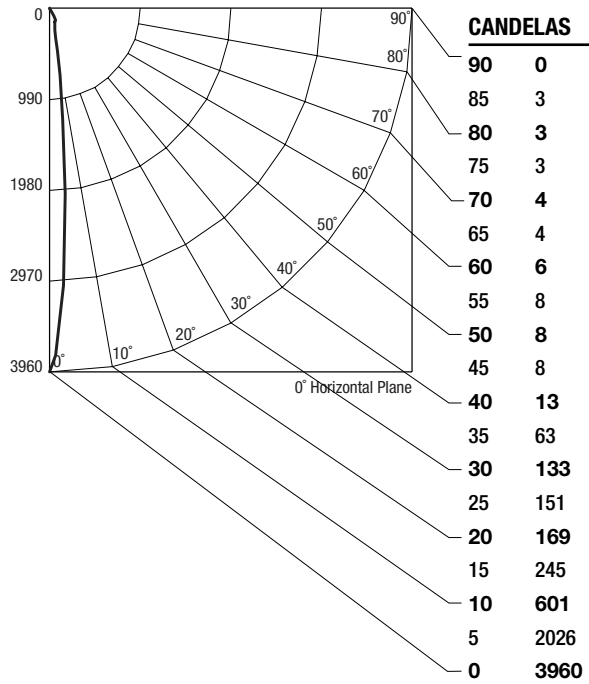
Track Head - select one from each column

Catalog No.	Source	Color Temp.	Beam Spread	Wattage	Finish
NTE-810	L = LED	30 = 3000K	S = 15° (Spot)	18 = 18W	B = Black
		42 = 4200K	F = 30° (Flood)		S = Silver
					W = White

PHOTOMETRIC DATA

NTE-810L30S20 - 20W LED Track Head, Spot, 3000K

Lab: Light Laboratory Inc. Test No.: L0210-1301 Spacing Criteria: 0.18 CRI: 81 LPW: 26 Lamp: 1 3000K LED Total Watts: 14W Lumens: 357



COEFFICIENTS OF UTILIZATION*

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	95	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	82
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	77	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	78	73	70	84	77	73	70	77	72	70	76	72	69	75	72	69	68
10	83	75	71	68	82	75	71	68	74	70	68	74	70	67	73	70	67	66

* Effective Floor Cavity Reflectance = 20%

LUMINANCE VALUES

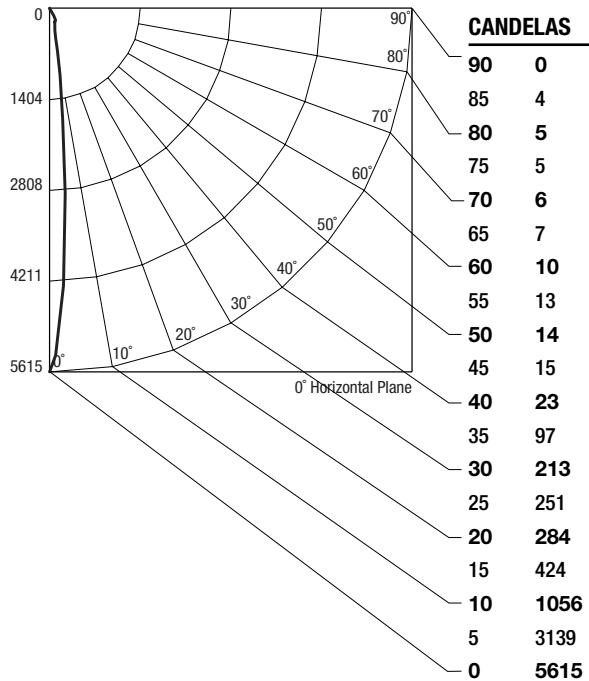
Angle in Degrees	Average 0-Deg	Average 90-Deg
45	1976	1976
55	2436	2436
65	1653	1653
75	2024	2024
85	6011	6011

BEAM & CONE DATA

Mounting Height	Maximum Spacing	Circle Diameter	F.C. at Nadir
4'	0.7'	1.1'	247.5fc
6'	1.1'	1.6'	110fc
7'	1.3'	1.8'	80.8fc
8'	1.4'	2.1'	61.9fc
9'	1.6'	2.4'	48.9fc

NTE-810L42S20 - 20W LED Track Head, Spot, 4200K

Lab: Light Laboratory Inc. Test No.: L0210-1303 Spacing Criteria: 0.2 CRI: 76 LPW: 30 Lamp: 1 4200K LED Total Watts: 20W Lumens: 581



COEFFICIENTS OF UTILIZATION*

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	91	83	78	75	90	82	78	75	81	77	74	80	77	74	79	76	73	72
8	88	80	75	72	87	80	75	72	79	74	72	78	74	71	77	73	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	69	67	72	69	67	66

* Effective Floor Cavity Reflectance = 20%

LUMINANCE VALUES

Angle in Degrees	Average 0-Deg	Average 90-Deg
45	3581	3581
55	3958	3958
65	2893	2893
75	3374	3374
85	8015	8015

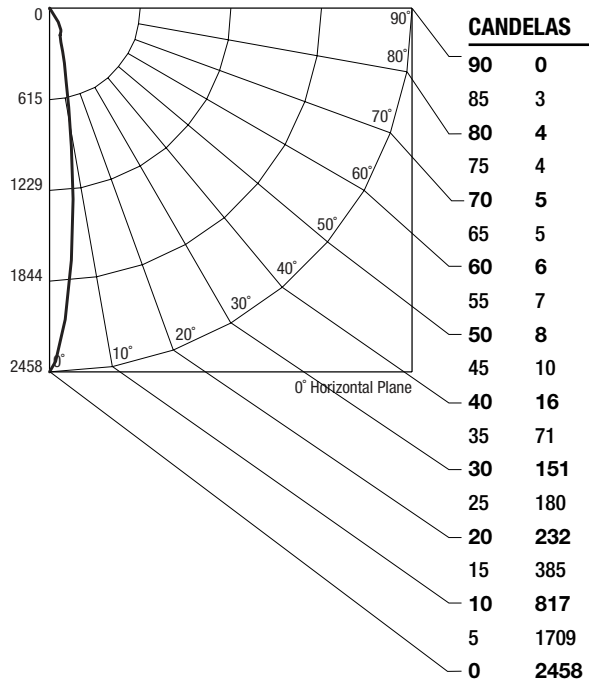
BEAM & CONE DATA

Mounting Height	Maximum Spacing	Circle Diameter	F.C. at Nadir
4'	0.8'	1.1'	350.9fc
6'	1.2'	1.6'	156fc
7'	1.4'	1.8'	114.6fc
8'	1.6'	2.1'	87.7fc
9'	1.8'	2.4'	69.3fc

PHOTOMETRIC DATA

NTE-810L30F20 - 20W LED Track Head, Flood, 3000K

Lab: Light Laboratory Inc. Test No.: L0210-1302 Spacing Criteria: 0.26 CRI: 78 LPW: 23 Lamp: 1 3000K LED Total Watts: 17W Lumens: 403



CANDELAS		COEFFICIENTS OF UTILIZATION*																		
Beam Angle	Candela	RC	80				70				50			30			10			0
		RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
90	0	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
85	3	1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
80	4	2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
75	4	3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
70	5	4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
65	5	5	96	89	84	80	95	88	83	80	87	82	79	85	81	79	83	80	78	77
60	6	6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
55	7	7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	70
50	8	8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
45	10	9	83	75	71	67	83	75	70	67	74	70	67	73	69	67	73	69	66	65
40	16	10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

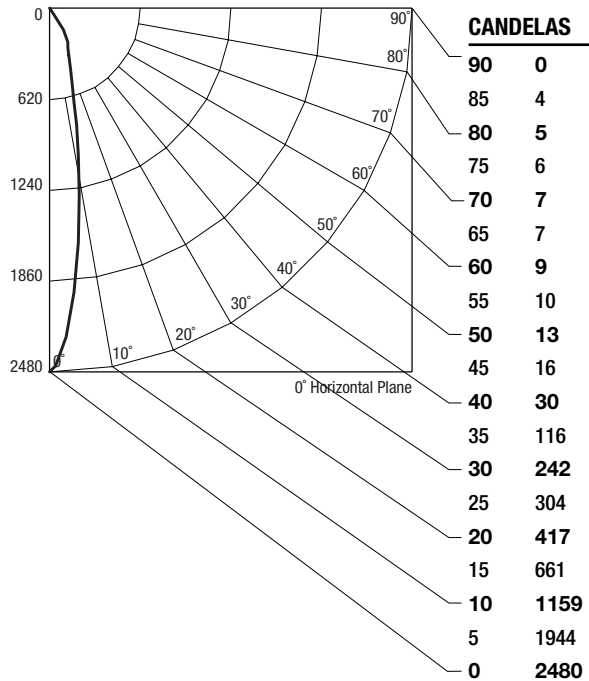
* Effective Floor Cavity Reflectance = 20%

LUMINANCE VALUES		
Angle in Degrees	Average 0-Deg	Average 90-Deg
45	2346	2346
55	2131	2131
65	2066	2066
75	2699	2699
85	6011	6011

BEAM & CONE DATA				Beam Angle: 30°
Mounting Height	Maximum Spacing	Circle Diameter	F.C. at Nadir	
4'	1.0'	2.1'	153.6fc	
6'	1.6'	3.2'	68.3fc	
7'	1.8'	3.8'	50.2fc	
8'	2.1'	4.3'	38.4fc	
9'	2.3'	4.8'	30.3fc	

NTE-810L42F20 - 20W LED Track Head, Flood, 4200K

Lab: Light Laboratory Inc. Test No.: L0210-1304 Spacing Criteria: 0.34 CRI: 81 LPW: 35 Lamp: 1 4200K LED Total Watts: 17W Lumens: 605



CANDELAS		COEFFICIENTS OF UTILIZATION*																		
Beam Angle	Candela	RC	80				70				50			30			10			0
		RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
90	0	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
85	4	1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
80	5	2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
75	6	3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
70	7	4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
65	7	5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
60	9	6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
55	10	7	88	80	74	70	87	79	74	70	78	73	70	77	73	70	75	72	69	68
50	13	8	84	76	71	67	83	76	71	67	74	70	67	74	69	66	73	69	66	65
45	16	9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	63	62
40	30	10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60

* Effective Floor Cavity Reflectance = 20%

LUMINANCE VALUES		
Angle in Degrees	Average 0-Deg	Average 90-Deg
45	3952	3952
55	3045	3045
65	2893	2893
75	4049	4049
85	8015	8015

BEAM & CONE DATA				Beam Angle: 30°
Mounting Height	Maximum Spacing	Circle Diameter	F.C. at Nadir	
4'	1.4'	2.1'	154fc	
6'	2'	3.2'	68.9fc	
7'	2.4'	3.8'	50.6fc	
8'	2.7'	4.3'	38.8fc	
9'	3.1'	4.8'	30.6fc	