NO.	POLE SHAFT SPECIFICATIONS
1.	SHAFTS ARE ONE SECTION DESIGN FABRICATED FROM A WELDABLE GRADE CARBON STEEL STRUCTURAL TUBING WITH A UNIFORM WALL THICKNESS. MATERIAL SHALL CONFORM TO ASTM A-500 GRADE B WITH A MINIMUM YIELD STRENGTH OF 46,000 P.S.I.
2.	BASE PLATES ARE CONSTRUCTED OF A STRUCTURAL QUALITY HOT ROLLED CARBON STEEL PLATE (ASTM A-36 HRS) WITH A GUARANTEED MINIMUM YIELD STRENGTH OF 36,000 P.S.I.
3.	ANCHOR BOLTS (F1554 GRADE 55) ARE "L" BENT BARS HAVING A MINIMUM YIELD STRENGTH OF 55,000 P.S.I. THE BOLTS ARE FULLY GALVANIZED PER ASTM A153 SPECIFICATIONS AND FURNISHED COMPLETE WITH 2 HEX NUTS AND 2 FLAT WASHERS.
4.	POLES SHALL HAVE A POLYESTER POWDER COAT FINISH IN A STANDARD COLOR.

POLE DIMENSIONS

POLE HGT. (FT.)	TOP SQ. SIZE (IN.)	BOT. SQ. SIZE (IN.)	GAGE	MTG. HGT. (FT.)
25'	4.00	4.00	7 GAGE	25'

BASE PLATE DIMENSIONS

BOLT CIRCLE (IN.)	BASE PLATE DIM. (IN.)	BOLT HOLE (IN.)	PLATE THK. (IN.)
8.00-9.00	8.00 SQ.	1.00	.75

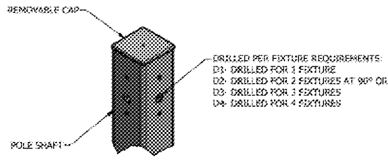
ANCHOR BOLT DIMENSIONS

ANCHOR BOLT DIA. (IN.)	ANCHOR BOLT LENGTH (IN.)
.75	20.00

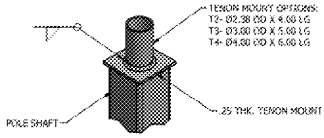
ALLOWABLE WIND LOADING (SQ. FT.)

WIND*	80 MPH	90 MPH	100 MPH	120 MPH
EPA	9.7	7.8	6.3	4.5

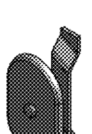
*WITH 1.3 GUST FACTOR



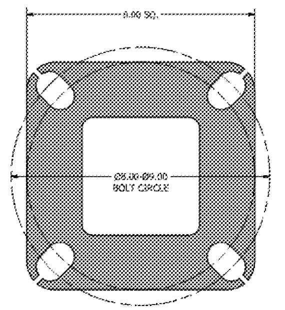
DRILL MOUNT OPTIONS



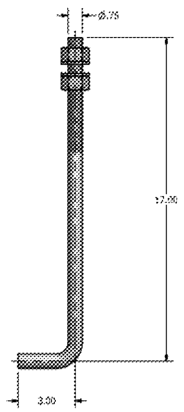
TENON MOUNT OPTIONS



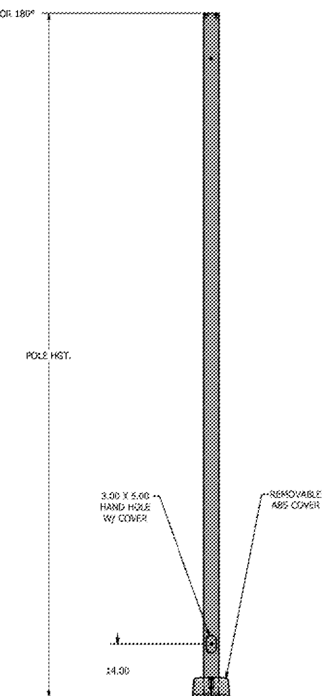
3.00 X 5.00 HAND HOLE COVER



8.00 X 8.00 X .75 THK. BASE PLATE



Ø.75 X 20.00 ANCHOR BOLT



POLE DETAIL

lyte poles
P.O. Box 340
Eastpointe, MI 48021
P. (586) 771-4610 | F. (586) 771-6527
www.lytepoles.com

DRAWN: M. HARVALA	2/13/2015	SOME GEOGRAPHICAL AREAS HAVE SPECIAL WIND CONDITIONS THAT CAN CREATE WIND INDUCED VIBRATIONS CAUSING A FATIGUE PROBLEM. NO METHOD HAS YET BEEN FOUND FOR PREDICTING DESTRUCTIVE LIGHTING POLE VIBRATION. THESE CONDITIONS ARE UNIQUE AND CANNOT BE GUARANTEED AGAINST, AND ARE THE RESPONSIBILITY OF A LOCAL SITE ENGINEER.
CHECKED:		
REVISION:	DATE:	TITLE:
APPROVED:		
QUOTE:		CATALOG:
S.O.#		
REF:	SCALE: NONE	DWG NO: 101-4007-25 SIZE C SHEET 1 OF 1

180° 270° 90° 0° HANDHOLE

D-Series Size 2

LED Area Luminaire

d"series

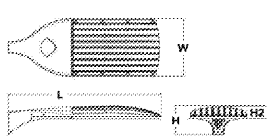
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

Specifications

EPA:	1.1 ft²
Length:	40"
Width:	15"
Height 1:	7-1/4"
Height 2: (max)	3.5"
Weight:	36lbs



EXAMPLE: DSX2 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX2 LED

Forward optics: P1 P2 P3 P4 P5 P6 P7 P8
Rotated optics: P10 P11 P12 P13 P14

30K 40K 50K

T1S T2S T2M T3S T3M T4M TFTM T5VS T5S T5M T5W BLC LCCO RCCO

MVOLT 120 208 240 277 347 480

Shipped included: SPA RPA WBA SPUMBA RPUMBA
Shipped separately: KMA8 DDBXD U

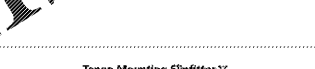
Shipped installed: NLTAIR2 PIRHN PER PER5 PER7 DMG DS PIRH FAO

Shipped installed: HS SF DF L90 R90
Shipped separately: BS EGS

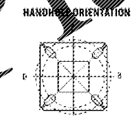
DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD

Accessories

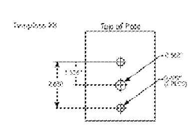
EGS - External Glare Shield



HANDHOLE ORIENTATION



Tenon Mounting Slipfitter



Lumen Ambient Temperature (LAT) Multipliers

0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Electrical Load

					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	149	1.18	0.68	0.59	0.51	0.40	0.32
	P2	30	700	185	1.56	0.90	0.78	0.68	0.52	0.39
	P3	30	850	217	1.82	1.05	0.92	0.80	0.65	0.45
	P4	30	1050	272	2.27	1.31	1.12	0.99	0.79	0.59
	P5	60	1250	321	2.68	1.54	1.34	1.17	0.95	0.68
	P6	100	1050	343	2.89	1.66	1.58	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	451	3.81	2.07	1.91	1.57	1.35	0.91
Rotated Optics (Requires L90 or R90)	P10	90	530	155	1.30	0.75	0.65	0.62	0.45	0.32
	P11	90	700	207	1.79	1.04	0.87	0.74	0.60	0.46
	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
	P13	90	1050	349	2.88	1.65	1.44	1.25	1.00	0.75
	P14	90	1400	405	3.38	1.95	1.73	1.48	1.15	0.86

Option	Controls State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use when motion sensor is used as dusk to dawn control.

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight AirStack	nLight AIR sensors can be programmed and commissioned from the ground using the CLAIRITY Pro app.

Order Plans @ WWW.LDILine.com

FRCH NELSON
A NELSON BRAND
311 Elm Street Suite 600
Cincinnati OH 45202
513 241 3000
www.frchnelson.com

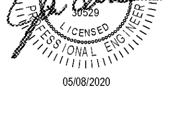
LOUISIANA KITCHEN POPEYES

JPL MANAGEMENT

ISSUE INFORMATION

REVISIONS

Nelco Architecture, Inc.



05/08/2020

PROJECT INFORMATION

BOWLING GREEN, KY

DISHMAN LANE
BOWLING GREEN, KY 42101

PROJECT #:
11352

SHEET INFORMATION

LIGHTING SPECIFICATIONS

DRAWN BY: Designer
REVIEWED BY: Checker
SCALE:
AUTHORIZED FOR: PERMIT

E0.2

© 2020 This drawing, printed or otherwise, is the copyrighted property of Nelco Architecture, Inc. The drawing may not be used, reproduced or copied without the permission of Nelco Architecture, Inc.

5/12/2020 12:24:09 PM C:\Users\eduffy\Documents\11352 - Popeyes - Bowling Green KY_eduffyQFFAU.rvt