Pollus

LED Pole Top

Project

Catalog

Type

Date

Product Description

Pollus provides even illumination with advanced LED technology, making it the ideal pole top lighting solution for exterior pathways, courtyards, and parking lots. Pollus features a polycarbonate precision lens in a Type V "very short" distribution and is easily mounted to a 3" diameter pole using a 2 3/8" tenon adapter. The bronze LED pole top is available in 40W and 80W with a 5000K color temperature and has photocell and motion sensor options to suit your environment. The fixture is also dimmable from 0-10VDC and includes 10kA surge protection.

Construction
- High-quality, die-cast aluminum housing with integrated heat sink
- Intergrated recepticle for shunts or photocells
- Sensor additions available
- Stainless steel hardware
- EVA gasket for water-resistant instalations

Optical System
- High-impact, polycarbonate precision lenses in six distributions:
  - Type V - Very Short (Standard)
  - Type V - Short
  - Type IV - Very Short
  - Type IV - Medium
  - Type III - Medium
  - Type II - Medium
- Utilizes advanced LED technology with CCT of 5000K
- CRI 70+

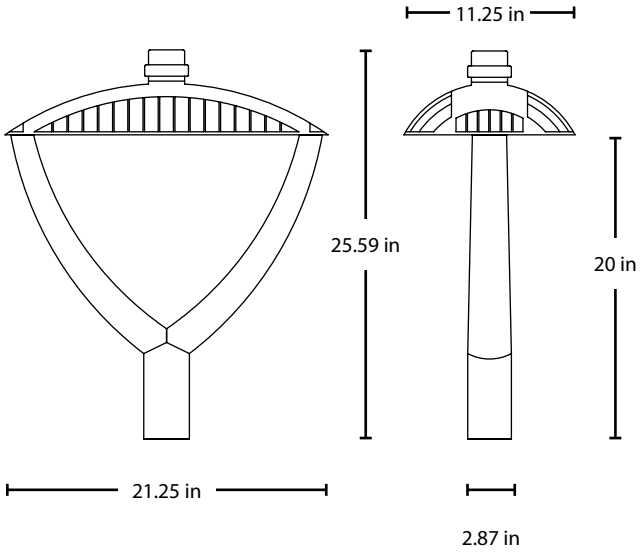
Electrical
- Thermally-protected, high-efficiency driver
- Operating temperature rating of -4° to 104°F (-20°C to 40°C)
- 10kA surge protection standard
- Input voltage of 120-277VAC
- Available in 40W and 85W
- Driver delivers full-range dimming from 0 - 10VDC

Finish
- Fine-textured, UV-stabilized powder coat bronze finish

Mounting and installation
- Pole mounted - 2 3/8" tennion
- Receptacle with shunt standard
- Photocell and/or Motion Sensor options available
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings
- LM-79, LM-80 testing performed in accordance with IESNA standards
- UL and CUL Listed for wet locations
- IP65 Rated
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)



IP65 · cULus LISTED · WET LOCATION RATED · 5 YEAR WARRANTY

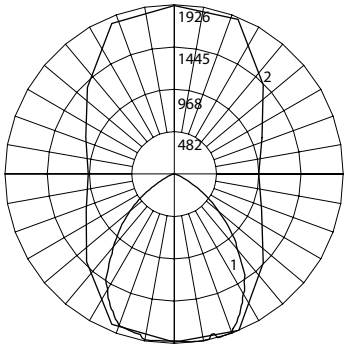
Photometric Data

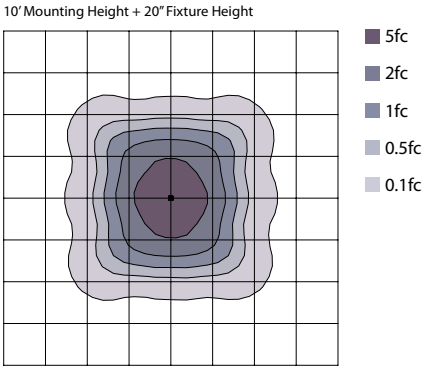
OTL40 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	36.14
120V Current (A)	0.29
277V Current (A)	0.15
Delivered Lumens (Lm)	4127
System Efficacy (Lm/W)	114.19
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	73.6
Beam Angle (0°)	91.8°
Beam Angle (90°)	100.7°
Spacing Criteria (0°)	0.56
Spacing Criteria (90°)	1.33

Intensity Summary (Candle Power)

Angle	0° Along	90° Across
0	1900	1900
5	1911	1900
15	1068	1913
25	1641	1850
35	1623	1498
45	1211	1054
55	598	553
65	114	160
75	27	52
85	5	6
90	0	0





Each square represents 100 square feet.

Zonal Lumen Summary

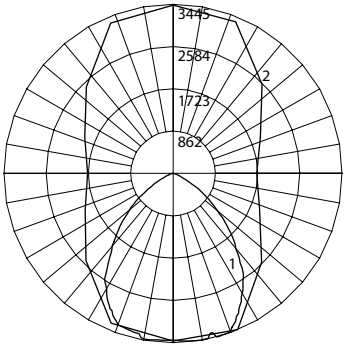
Zone	Lumens	% of Luminaire
0-30	1284	31.1%
0-40	2197	53.2%
0-60	3794	92.0%
0-90	4127	100.0%
90-180	0	0.0%
0-180	4127	100.0%

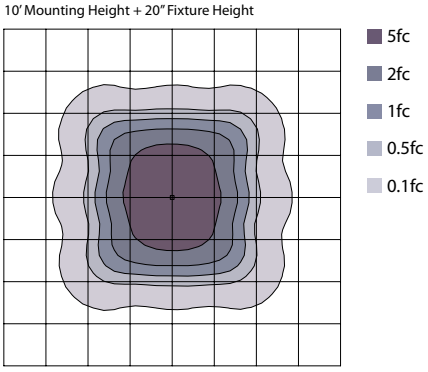
OTL85 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	73.1
120V Current (A)	0.61
277V Current (A)	0.27
Delivered Lumens (Lm)	7358.33
System Efficacy (Lm/W)	100.6
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	73.5
Beam Angle (0°)	91.6°
Beam Angle (90°)	100.6°
Spacing Criteria (0°)	0.54
Spacing Criteria (90°)	1.30

Intensity Summary (Candle Power)

Angle	0° Along	90° Across
0	3398	3398
5	3418	3398
15	1907	3420
25	2943	3307
35	2898	2672
45	2158	1880
55	1065	984
65	203	283
75	50	93
85	11	11
90	0	0





Each square represents 100 square feet.

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2295	31.2%
0-40	3924	53.3%
0-60	6768	92.0%
0-90	7358	100.0%
90-180	0	0.0%
0-180	7358	100.0%

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Performance Data

Model Number	Lumens	Watts	Lumens/Watt	BUG Rating
OTL1040MV50	4110	36.1	114.2	B2-U0-G0
OTL1085MV50	7358	73.1	100.6	B3-U0-G0

Recommended 0-10VDC Dimmers*

Lutron NTSTV

Lutron DVSTV

Cooper SF10P

Legrand RH4FBL3PW

**Not a complete list. Check compatibility before installation.*

Ordering Information

Example: OTL1085MV50BZVVSP

Series	Version	Wattage	Voltage	CCTs	Finish	Optic	Sensors
OTL	**1** (Version 1)	☐ **040** (40 W)	**MV** (120-277)	☐ **50** (5000 K)	**BZ** (Bronze)	☐ **VVS** (Type V - Very Short)	☐ _ (Receptacle & Shunt *standard*)
		☐ **085** (85 W)				☐ **T5S** (Type V - Short)	☐ **P** (Receptacle & Photocell)
						☐ **T4V** (Type IV - Very Short)	☐ **M** (Motion Sensor, R & S)
						☐ **T4M** (Type IV - Medium)	☐ **D** (Receptacle & PC, & MS)
						☐ **T3M** (Type III - Medium)	
						☐ **T2M** (Type II - Medium)	

Specifications and dimensions subject to change without notice.

Accessories

Pole Top Lens Type V Short	OTL-1-LENS-T5S
Pole Top Lens Type IV Very Short	OTL-1-LENS-T4V
Pole Top Lens Type IV Medium	OTL-1-LENS-T4M
Pole Top Lens Type III Medium	OTL-1-LENS-T3M
Pole Top Lens Type II Medium	OTL-1-LENS-T2M

EXPRESS LIMITED WARRANTY

Subject to the exclusions contained below, NICOR Inc. (NICOR) warrants that all NICOR LED branded Solid State Lighting products made by NICOR to be free from defects in materials and workmanship, under normal consumer usage for a period of 5 years from date of purchase. This limited warranty is a consumer's exclusive remedy, and applies only to new products purchased and used by consumers in the United States or Canada, which are accompanied by this written warranty.

This limited warranty extends only to the first consumer purchaser, and is not transferable. A consumer wishing to invoke the terms of this warranty must first obtain a RGA number within 30 days of discovery of the defect, and return the product to NICOR for inspection. Once verified to be covered by this limited warranty, NICOR will, at its discretion, repair, replace or refund the purchase price of any product that does not conform to this limited warranty.

This limited warranty covers only defects in material and workmanship associated with normal installation and intended use of the product.

THIS LIMITED WARRANTY DOES NOT COVER THE FOLLOWING:

- Defects or damages resulting from improper operation, storage, misuse or abuse, accident or neglect;
- Defects or damages resulting from improper service, testing, adjustment, installation, maintenance, alteration, connection to out-of-specification electrical service, corrosive or damp environments, or connection to incompatible equipment or devices (e.g., connecting non-dimmable lighting products to dimmers);
- Damage which occurs in transit; and
- Labor or other charges or expenses associated with the removal, repair, or re-installation of defective or replacement products.

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL NICOR BE LIABLE, WHETHER IN CONTRACT OR IN TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABLILITY TO USE THE PRODUCT TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Revised February, 2016 This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.