

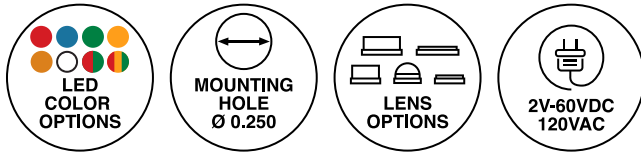
40 Series

Ø .250" (6.35mm)

LED Panel Mount Indicator



Built-in long life LED, offer superior construction and longer life flush or raised LED indicator with fresnel lens, single, bi-color and tri-color options, LED voltage 2VDC - 120VAC.



Key Features

- Mounting hole size: .250" (6.35mm)
- Lens type options: hi-hat, flush, hi-dome, wide hi-hat, and wide flush all featured with fresnel pattern lens which provides excellent light focus and assures maximum light output
- Lens color options: red, amber, yellow, green, blue, water clear, and smoke
- Voltage options: 2-60 VDC or 120VAC
- Terminals: bi-pin, straight leads, and wire leads (6" wire leads, 24 AWG)
- Wire leads: 6.0" total length (nominal) / .50" stripped (nominal), red anode/black cathode, 24 AWG TPB UL1061 insulation
- T-1 3/4 (5mm) LED
- LED single color options: red, amber, green, orange, blue, and white
- Bi-color option: red/green
- Tri-color option: red/amber/green
- Mounts with spring retainer and washer (included)
- The C option specifies a pin length of .20"
- Offered with black bezel that enhances the LED contrast
- Available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, single color, bi-color and with integrated resistors
- Low power consumption - uses up to 90% less energy than an incandescent indicator
- Suitable for high vibration applications
- LEDs operate significantly cooler than traditional lamps
- For custom cable length, connectors or colors contact VCC
- Compliant with RoHS and REACH

Ordering Data

41 (Hi-Hat Lens)



Example:

41-NKG12H-CGO

41 Series Hi-Hat Lens, Green LED,
Clear Green Lens, 12V with Straight Leads

41W (Hi-Hat Lens)



Example:

41W-NKA12H-CAO

41 Series Hi-Hat Lens, Amber LED,
Clear Amber Lens, 12V with Wire Leads

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
41-NKA120-CAO	Amber	592	3600	15	Amber	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA
41-NKG120-CGO	Green	520	10000	15	Green	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA
41-NKR120-CRO	Red	634	3600	15	Red	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA
41-NWR120-CWO	Red	634	2800	30	Clear	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA

41-LRG28H-NWO	Red/Green	660/565	90/40	60	Clear	Diffused	Straight Leads	28V/16.5mA	30V/18mA
41-NKA28H-CAO	Amber	592	3600	15	Amber	Clear	Straight Leads	28V/16.5mA	30V/18mA
41-NKG28H-CGO	Green	520	10000	15	Green	Clear	Straight Leads	28V/15mA	30V/17mA
41-NKR28H-CRO	Red	634	3600	15	Red	Clear	Straight Leads	28V/16.5mA	30V/18mA

41-NKA12H-CAO	Amber	592	3600	15	Amber	Clear	Straight Leads	12V/20mA	14V/25mA
41-NKG12H-CGO	Green	520	10000	15	Green	Clear	Straight Leads	12V/15mA	14V/20mA
41-NKR12H-CRO	Red	634	3600	15	Red	Clear	Straight Leads	12V/20mA	14V/25mA

41-NWB5H-NWO	Blue	465	700	45	Clear	Diffused	Straight Leads	5V/15mA	5.5V/23mA
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Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
41W-NKA120-CAO	Amber	592	3600	15	Amber	Clear	Wire Leads	120VAC/3.5mA	130VAC/4mA
41W-NKG120-CGO	Green	520	10000	15	Green	Clear	Wire Leads	120VAC/3.5mA	130VAC/4mA
41W-NKR120-CRO	Red	634	3600	15	Red	Clear	Wire Leads	120VAC/3.5mA	130VAC/4mA

41W-NWL48H-CWO	White	-	1800	50	Clear	Clear	Wire Leads	48V/9.5mA	50V/10mA
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41W-NKA28H-CAO	Amber	592	3600	15	Amber	Clear	Wire Leads	28V/16.5mA	30V/18mA
41W-NKG28H-CGO	Green	520	10000	15	Green	Clear	Wire Leads	28V/15mA	30V/17mA
41W-NKR28H-CRO	Red	634	3600	15	Red	Clear	Wire Leads	28V/16.5mA	30V/18mA

41W-NKA12H-CAO	Amber	592	3600	15	Amber	Clear	Wire Leads	12V/20mA	14V/25mA
41W-NKA12H-CWO	Amber	592	3600	15	Clear	Clear	Wire Leads	12V/20mA	14V/25mA
41W-NKG12H-CGO	Green	520	10000	15	Green	Clear	Wire Leads	12V/15mA	14V/20mA
41W-NKR12H-CRO	Red	634	3600	15	Red	Clear	Wire Leads	12V/20mA	14V/25mA

Ordering Data

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
41W-BA2-SO	Amber	583	16	60	Smoke	-	Wire Leads	2V	-
41W-BG2-SO	Green	565	10	60	Smoke	-	Wire Leads	2V	-
41W-BR2-SO	Red	635	14	60	Smoke	-	Wire Leads	2V	-

C41 (41 Series with pin length of .20")



Example:

C41-BG24H-CGO

41 Series Hi-Hat Lens, Green LED,
Clear Green Lens, 24V

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
C41-BG24H-CGO	Green	565	10	60	Green	Clear	Bi-Pin	24V/17mA	26V/20mA

Ordering Data

44 (Flush Lens)



Example:

44-NKA28H-CAO

44 Series Flush Lens, Amber LED,
Clear Amber Lens, 28V with Straight Leads

44W (Flush Lens)



Example:

44W-NKG120-CGO

44 Series Flush Lens, Green LED,
Clear Green Lens, 120V with Wire Leads

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
44-NKA120-CAO	Amber	592	3600	15	Amber	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA
44-NKG120-CGO	Green	520	10000	15	Green	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA
44-NKR120-CRO	Red	634	3600	15	Red	Clear	Straight Leads	120VAC/3.5mA	130VAC/4mA

44-NKA28H-CAO	Amber	592	3600	15	Amber	Clear	Straight Leads	28V/16.5mA	30V/18mA
44-NKG28H-CGO	Green	520	10000	15	Green	Clear	Straight Leads	28V/15mA	30V/17mA
44-NKR28H-CRO	Red	634	3600	15	Red	Clear	Straight Leads	28V/16.5mA	30V/18mA

44-LRG12H-CWO	Red/Green	660/565	90/40	60	Clear	Clear	Straight Leads	12V/20mA	14V/25mA
44-RAG12H-CWO	Red/Amb/Grn	630/565	6/6/6	60	Clear	Clear	Straight Leads	12V/20mA	14V/25mA
44-NKA12H-CAO	Amber	592	3600	15	Amber	Clear	Straight Leads	12V/20mA	14V/25mA
44-NKG12H-CGO	Green	520	10000	15	Green	Clear	Straight Leads	12V/15mA	14V/20mA
44-NKR12H-CRO	Red	634	3600	15	Red	Clear	Straight Leads	12V/20mA	14V/25mA

44-BA2-NAO	Amber	583	16	60	Amber	Diffused	Straight Leads	2V	-
44-BCA2-NAO	Amber	583	100	35	Amber	Diffused	Straight Leads	2V	-
44-BG2-NGO	Green	565	10	60	Green	Diffused	Straight Leads	2V	-

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
44W-NKA120-CAO	Amber	592	3600	15	Amber	Clear	Wire Leads	120VAC/3.5mA	130VAC/4mA
44W-NKG120-CGO	Green	520	10000	15	Green	Clear	Wire Leads	120VAC/3.5mA	130VAC/4mA
44W-NKR120-CRO	Red	634	3600	15	Red	Clear	Wire Leads	120VAC/3.5mA	130VAC/4mA

44W-NKA28H-CAO	Amber	592	3600	15	Amber	Clear	Wire Leads	28V/16.5mA	30V/18mA
44W-NKG28H-CGO	Green	520	10000	15	Green	Clear	Wire Leads	28V/15mA	30V/17mA
44W-NKR28H-CRO	Red	634	3600	15	Red	Clear	Wire Leads	28V/16.5mA	30V/18mA

Ordering Data

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
44W-LRG12H-CWO	Red/Green	660/565	90/40	60	Clear	Clear	Wire Leads	12V/20mA	14V/25mA
44W-RAG12H-CWO	Red/Amb/Grn	630/565	6/6/6	60	Clear	Clear	Wire Leads	12V/20mA	14V/25mA
44W-NKA12H-CAO	Amber	592	3600	15	Amber	Clear	Wire Leads	12V/20mA	14V/25mA
44W-NKG12H-CGO	Green	520	10000	15	Green	Clear	Wire Leads	12V/15mA	14V/20mA
44W-NKR12H-CRO	Red	634	3600	15	Red	Clear	Wire Leads	12V/20mA	14V/25mA

C44 (44 Series with pin length of .20")



Example:

C44-BA24H-NAO

44 Series Flush Lens, Amber LED,
Diffused Amber Lens, 24V

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
C44-BA24H-NAO	Amber	583	16	60	Amber	Diffused	Bi-Pin	24V/17mA	26V/20mA
C44-BG24H-NGO	Green	565	10	60	Green	Diffused	Bi-Pin	24V/17mA	26V/20mA
C44-BR5H-NRO	Red	635	14	60	Red	Diffused	Bi-Pin	5V/22mA	5.5V/28mA

464 (Wide Flush Lens)



Example:

464W-BCG2-NGO-R-

464 Series Wide Flush Lens, Green LED,
Diffused Green Lens, 2V with Wire Leads

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
464W-NWO60H-NAO-R-	Orange	605	2000	30	Amber	Diffused	Wire Leads	60V/9mA	65V/10mA
464W-NKR5H-CRO	Red	634	3600	15	Red	Clear	Wire Leads	5V/22mA	5.5V/28mA
464W-BCA2-NYO-R-	Amber	583	100	35	Yellow	Diffused	Wire Leads	2V	-
464W-BCG2-NGO-R-	Green	565	80	24	Green	Diffused	Wire Leads	2V	-

Ordering Data

461 (Wide Hi-Hat Lens)



Example:

461-BR24H-CRO

461 Series Wide High-Hat Lens, Red LED,
Clear Red Lens, 24V with Straight Leads

Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
461-BA24H-CAO	Amber	583	16	60	Amber	Clear	Straight Leads	24V/17mA	26V/20mA
461-BA24H-CYO-R-	Amber	583	16	60	Yellow	Clear	Straight Leads	24V/17mA	26V/20mA
461-BA24H-SO	Amber	583	16	60	Smoke	-	Straight Leads	24V/17mA	26V/20mA
461-BG24H-CGO	Green	565	10	60	Green	Clear	Straight Leads	24V/17mA	26V/20mA
461-BG24H-SO	Green	565	10	60	Smoke	-	Straight Leads	24V/17mA	26V/20mA
461-BR24H-CRO	Red	635	14	60	Red	Clear	Straight Leads	24V/17mA	26V/20mA
461-BR24H-SO	Red	635	14	60	Smoke	-	Straight Leads	24V/17mA	26V/20mA
461-BA5H-CYO-R-	Amber	583	16	60	Yellow	Clear	Straight Leads	5V/22mA	5.5V/28mA
461-BA2-NAO	Amber	583	16	60	Amber	Diffused	Straight Leads	2V	-
461-BG2-NGO	Green	565	10	60	Green	Diffused	Straight Leads	2V	-
461-BR2-NRO	Red	635	14	60	Red	Diffused	Straight Leads	2V	-

C46 (Hi-Dome Lens with pin length of .20")



Example:

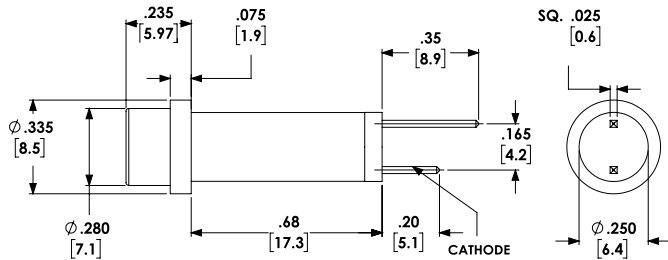
C46-BG5H-CGO

46 Series Hi-Dome Lens, Green LED,
Clear Green Lens, 5V

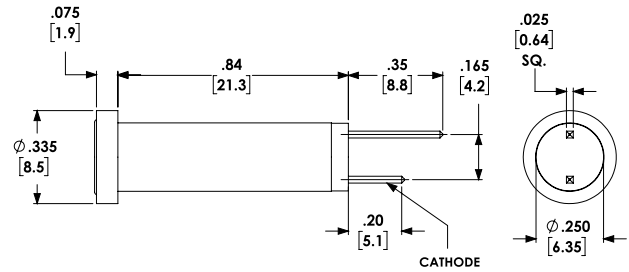
Part Number	Color	λ_{pk} (nm)	Iv (mcd)	Viewing Angle	Lens Color	Lens Diffusion	Terminals	Voltage/Current	
								Design Vf/If	Max Vf/If
C46-RAG24H-CWO	Red/Amb/Grn	630/565	6/6/6	60	Clear	Clear	Bi-Pin	24V/17mA	26V/20mA
C46-BA5H-CWO	Amber	583	16	60	Clear	Clear	Bi-Pin	5V/22mA	5.5V/28mA
C46-BG5H-CGO	Green	565	10	60	Green	Clear	Bi-Pin	5V/22mA	5.5V/28mA
C46-BR5H-CWO	Red	635	14	60	Clear	Clear	Bi-Pin	5V/22mA	5.5V/28mA

Product Dimensions

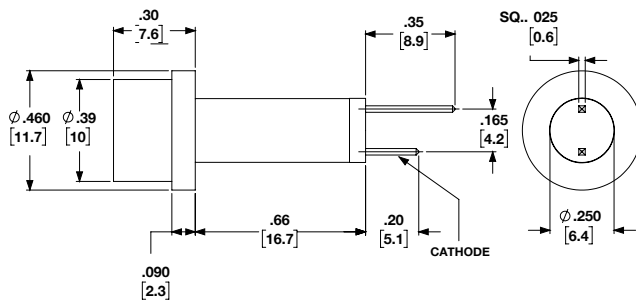
41 (Hi-Hat Lens)



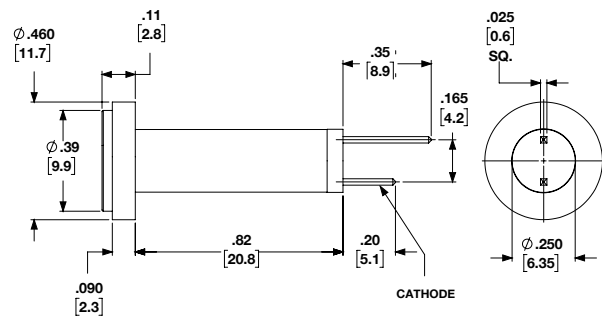
44 (Flush Lens)



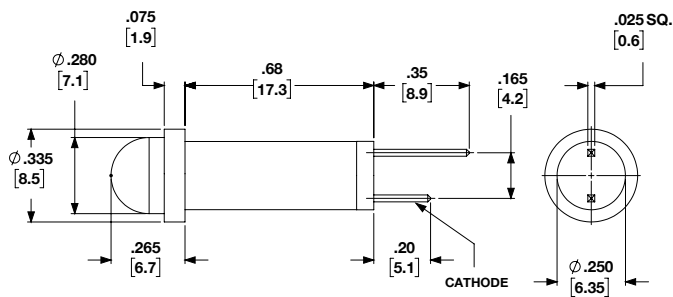
461 (Wide Hi-Hat Lens)



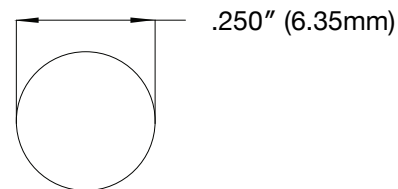
464 (Wide Flush Lens)



46 (Hi-Dome Lens)



Recommended Mounting Hole

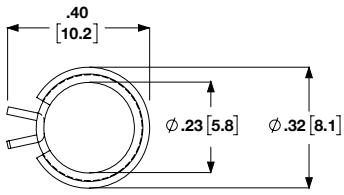


Notes:

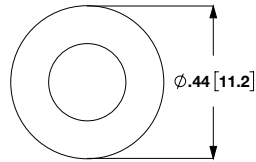
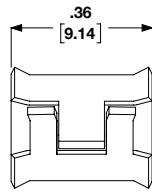
1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm 0.25''$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Dimensions

TC4 & NW4 (Mounting Hardware)



TC4



NW4

Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm 0.25''$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Compliances and Approvals



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

VCC:

[41-LRG28H-NWO](#) [41-NWR120-CWO](#) [464W-BCA2-NYO-R-](#) [C46-RAG24H-CWO](#) [464W-BCG2-NGO-R-](#) [44-BCA2-](#)
[NAO](#) [464W-NWO60H-NAO-R-](#) [41W-NKA12H-CWO](#) [41W-NWL48H-CWO](#) [41-NWB5H-NWO](#) [464W-NKR5H-CRO](#)