

MINIMO CORE - NORTH AMERICA

PRODUCT OVERVIEW

PLUS LIGHT ENGINE



KEY FEATURES

- Beam Options: 19 | 25 | 37 | 50
- Light Engine Performance: 1001lm | 12.60W
- Movement: 355 Pan | 35 Tilt
- Field changeable optics
- Ultra-high CRI
- Title 24 JA8 Certified



OVERVIEW

Minimo Core - North America is a Constant Current single source LED downlight that comes as standard in white and black with a pinhole aesthetic. It has four optic choices for flexible beam distribution and is fully adjustable with 355° pan and 35° tilt without breaking the ceiling line. Our 1001lm | 12.60W light engine has a max peak intensity of 6389cd. The integral accessory holder can accommodate 31mm lenses and louvers up to 4mm thick.

PERFORMANCE

	Plus			
	Narrow	Medium	Wide	V. Wide
FWHM	19°	25°	37°	50°
Luminous Flux	887 lm	1001 lm	997 lm	912 lm
Peak Intensity	6389 cd	5069 cd	2473 cd	1537 cd
CCT	2400K 2700K 3000K 3500K 4000K			
CRI Min.	90 98 98 98 95			
LED Current	0.350 A			
Voltage	36 V			
Input Wattage	12.6 W			
Efficacy	79.4 lm/W			
Driver Type	Constant Current Remote			
Class	SELV Class III			

*Performance table shows light engine characteristics, driver input voltage 120V or 120-277V AC

ORDER CODE

Model	Type	Trim	Output	CCT	Beam Angle	Trim Finish
MNCNA Minimo Core	A Adjustable	TR Trimmed	PL Plus	24K 2400K	NR Narrow 19°	WH White
				27K 2700K	ME Medium 25°	BK Black
				30K 3000K	WD Wide 37°	
				35K 3500K	VW Very Wide 50°	
				40K 4000K		

Example code: MNCNA-A-TR-PL-24K-NR-WH

See Drivers, Power Supplies and Accessories sections for further order codes

Housing	Model	Trim	Output	Control	
HIC Housing, IC Rated	MNCNA Minimo Core	TR Trimmed	PL Plus ¹	UNV Phase/0-10V 1% Dimming ²	
HCP Housing, IC Rated Chicago Pl				PHSD Forward/Reverse Phase	Remote
HP New Construction Pan (Non-IC)				010G 0-10V Log Dimming	
HRM Remote Driver (Non-IC)				DALI DALI-2 Dimming	
				DMX DMX	

Example code: HIC-MNCNA-TR-PL-UNV

¹ A driver configuration must always be included with this product, it requires 1 driver per light ² Integral UNV is only available with HIC/HCP

See Drivers, Power Supplies and Accessories sections for further order codes

LIGHT ENGINE SELECTION

This product is available with a single static white light engine option outlined below.

plus⁺

Precisions plus light engines offer the best balance between delivered lumens, beam quality and outstanding colour rendition.

- Increased Lumen Output
- CRI 98 Typical

LIFETIME & ENVIRONMENTAL

At Precision, we design and engineer our products with longevity in mind. Many of the components that make up our light fixtures are both modular and re-usable, making it possible to service and repair them throughout their life in service. Once our products reach the end of their useful life, it is possible to re-work and renew them in to a new product. We prioritise the use of recyclable materials in both our products and packaging, and encourage our customers to engage responsibly in the correct disposal of any materials we supply.

CIBSE TM65	13.70 Kg/CO2e	UK PART L	
CIBSE TM66	2.2	Part L1A / L1B (Dwellings)	Compliant 121 lm/W
RoHS Compliance	Yes	Over 75 Lm/W source lumens	
REACH Compliance	Yes	Part L2A (General)	-
WEEE Compliance	Yes - Registered Producer	≥95Lm/W delivered lumens	
Declare	LBC Red List Approved	Part L2A (Display)	Compliant 121 lm/W
Lifetime	L90B10 50,000hrs	Over 80 Lm/W source lumens	
Warranty	5 Years		

FINISHES



White



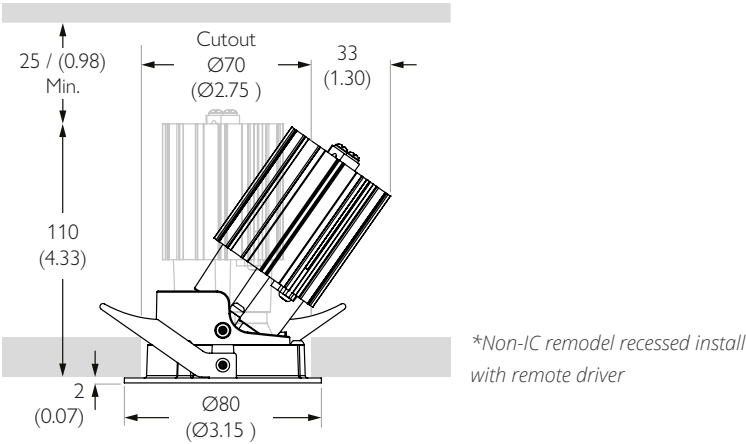
Black

MINIMO CORE - NORTH AMERICA

DIMENSIONS & FINISHES

PLUS LIGHT ENGINE

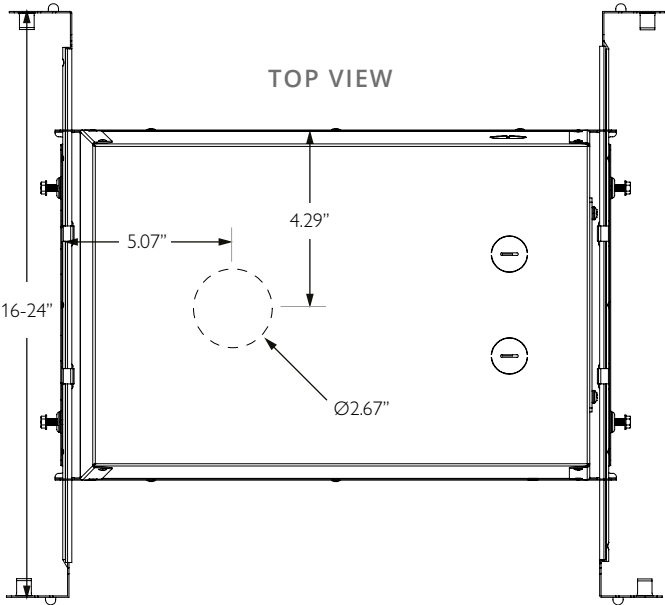
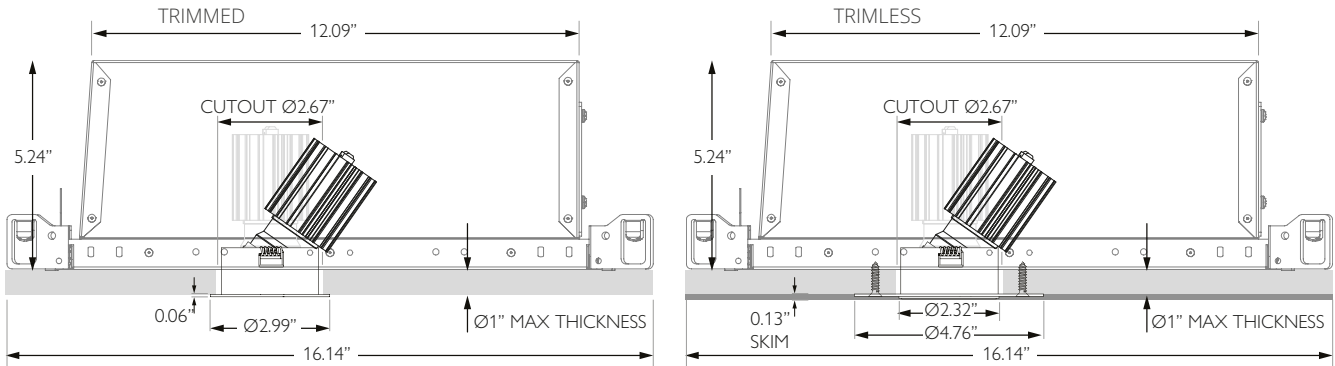
DIMENSIONS - LUMINAIRE



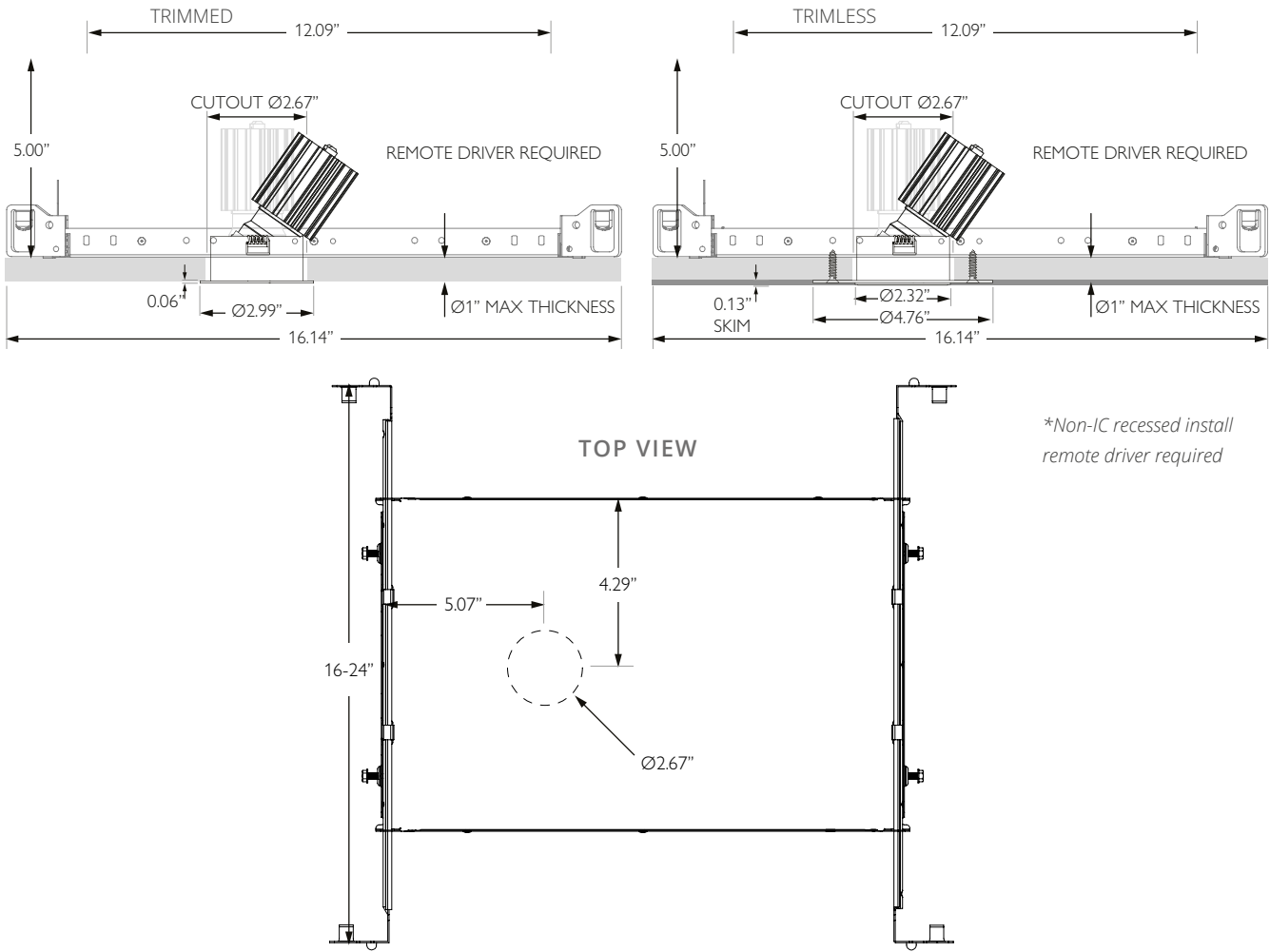
MECHANICAL

Location	IP20 Indoor Dry / Damp Location Only	Cutout	ø65mm (2.56")
Mounting	Recessed	Ceiling Thickness	3-25mm (0.12-0.98")
Adjustability	360 Pan 35 Tilt	Product Class	SELV Class III
Lockable	N/A	Material	Cast Aluminium A383
Accessories	Louver Lenses	Weight	Luminaire 270g 0.60lb Housing 2553g 5.63lb

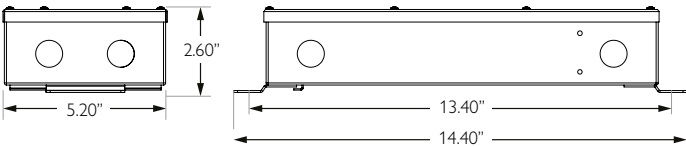
DIMENSIONS - IC HOUSING (HIC / HCP)



DIMENSIONS - NEW CONSTRUCTION PAN NON-IC (HP)



DIMENSIONS - REMOTE DRIVER (HIC / HCP / HP / HRM)



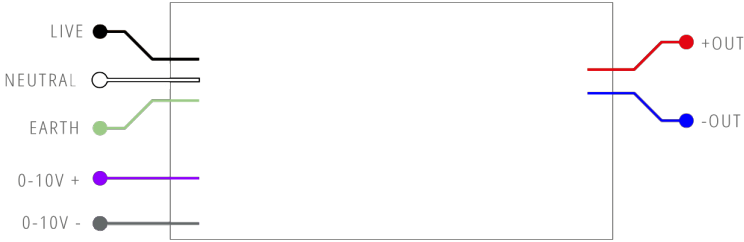
MINIMO CORE - NORTH AMERICA

DRIVERS & POWER SUPPLIES – NORTH AMERICA

PLUS LIGHT ENGINE

30W | 0-10V | Remote | Constant Current

Input Voltage	120-277V 50/60 Hz
Driver Type	Remote Constant Current
Location	IP20 Indoor Location Only
Dimming Control	0-10V
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible No Observable Effect
Wiring Distance	16 AWG - 36m (118') 18 AWG 22m (72')

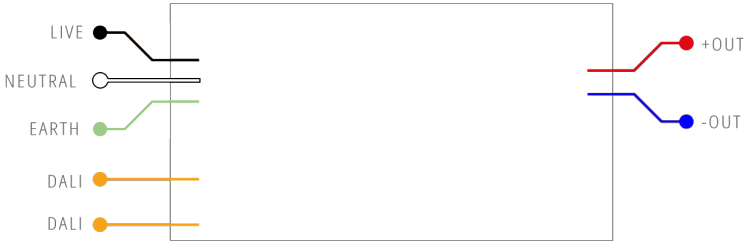


	HIC	HCP	HP	HRM		L	W	H
Max. Lights	1 only	1 only	1 only	1 only	mm	318	130	61
Order Code	HIC-MNCNA-aa-PL-010G	HCP-MNCNA-aa-PL-010G	HP-MNCNA-aa-PL-010G	HRM-MNCNA-aa-PL-010G	in	12.52	5.12	2.4

Replace aa with Trim type.

30W | DALI-2 | Remote | Constant Current

Input Voltage	120-277V 50/60 Hz
Driver Type	Remote Constant Current
Location	IP20 Indoor Location Only
Dimming Control	DALI-2
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible No Observable Effect
Wiring Distance	16 AWG - 36m (118') 18 AWG 22m (72')

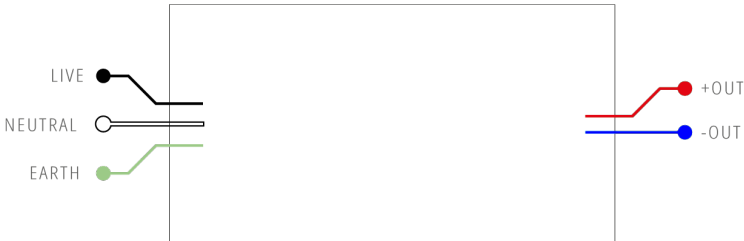


	HIC	HCP	HP	HRM		L	W	H
Max. Lights	1 only	1 only	1 only	1 only	mm	318	130	61
Order Code	HIC-MNCNA-aa-PL-DALI	HCP-MNCNA-aa-PL-DALI	HP-MNCNA-aa-PL-DALI	HRM-MNCNA-aa-PL-DALI	in	12.52	5.12	2.4

Replace aa with Trim type.

30W | Phase | Remote | Constant Current

Input Voltage	120V 50/60 Hz
Driver Type	Remote Constant Current
Location	IP20 Indoor Location Only
Dimming Control	Phase
Min. Dim Level	1.0%
Flicker	IEEE P1789 Compatible No Observable Effect
Wiring Distance	16 AWG - 14m (46') 18 AWG 9m (30')



	HIC	HCP	HP	HRM		L	W	H
Max. Lights	1 only	1 only	1 only	1 only	mm	318	130	61
Order Code	HIC-MNCNA-aa-PL-PHSD	HCP-MNCNA-aa-PL-PHSD	HP-MNCNA-aa-PL-PHSD	HRM-MNCNA-aa-PL-PHSD	in	12.52	5.12	2.4

Replace aa with Trim type.

MINIMO CORE - NORTH AMERICA

PHOTOMETRY

PLUS LIGHT ENGINE

OUTPUT SCALING

CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	0.97	90	90	90	99	971
2700K	0.93	98	95	95	101	931
3000K	1.00	98	95	95	100	1001
3500K	1.05	98	92	95	99	1051
4000K	1.05	95	90	90	99	1051

Colour Consistency: 2 SDCM

PHOTOMETRY

NARROW				<table><tr><td>Cd: 0</td><td>90°</td><td>0.33m</td><td>6389lx</td><td>710fc</td><td>1.0'</td></tr><tr><td>1067</td><td>80°</td><td>1m</td><td></td><td></td><td>3'</td></tr><tr><td>2133</td><td>70°</td><td>0.67m</td><td>1597lx</td><td>177fc</td><td>2.0'</td></tr><tr><td>3200</td><td>60°</td><td>2m</td><td></td><td></td><td>6'</td></tr><tr><td>4267</td><td>50°</td><td>1.00m</td><td>710lx</td><td>79fc</td><td>3.0'</td></tr><tr><td>5333</td><td>40°</td><td>3m</td><td></td><td></td><td>9'</td></tr><tr><td>6400</td><td></td><td>1.34m</td><td>399lx</td><td>44fc</td><td>4.0'</td></tr><tr><td></td><td></td><td>4m</td><td></td><td></td><td>12'</td></tr><tr><td></td><td></td><td>1.67m</td><td>256lx</td><td>28fc</td><td>5.0'</td></tr><tr><td></td><td></td><td>5m</td><td></td><td></td><td>15'</td></tr><tr><td></td><td></td><td></td><td></td><td>20fc</td><td>6.0'</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>18'</td></tr></table>	Cd: 0	90°	0.33m	6389lx	710fc	1.0'	1067	80°	1m			3'	2133	70°	0.67m	1597lx	177fc	2.0'	3200	60°	2m			6'	4267	50°	1.00m	710lx	79fc	3.0'	5333	40°	3m			9'	6400		1.34m	399lx	44fc	4.0'			4m			12'			1.67m	256lx	28fc	5.0'			5m			15'					20fc	6.0'						18'
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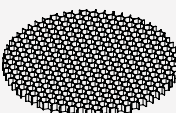
OPTICS

There are 4 interchangeable optics, cross reference the molded ID on the optic for beam option.

Optic	Optic	Optic	Optic
			
Narrow TIR Optic Molded ID 15 FWHM 19 Order Code HKHG-35-15-PMMA	Medium TIR Optic Molded ID 24 FWHM 25 Order Code HKHG-35-24-PMMA	Wide TIR Optic Molded ID 36 FWHM 37 Order Code HKHG-35-36-PMMA	Very Wide TIR Optic Molded ID 50 FWHM 50 Order Code HKHG-35-50-PMMA

ACCESSORIES

This product can hold 1 x accessory within the integrated holder. To accommodate additional accessories please contact our sales team.

Glare Control	Colour Change
	
Honeycomb Louver W32xH3.2mm W1.26xH0.13" Order Code 995-32-BK	1/4 CTO W32xH1.8mm W1.26xH0.07" Order Code 997-1/4CTO-32