

MINIMO PRO PLUS - NORTH AMERICA

PRODUCT OVERVIEW

PLUS LIGHT ENGINE



OVERVIEW

Minimo Pro Plus - North America is a Constant Current single source pro-series downlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white and black along with a range of premium finishes. It has four site-changeable optics for flexible beam distribution and is fully adjustable with 360° 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 32mm lenses and louvers.

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	Aperture	Output	CCT	Beam Angle	Trim Finish	Aperture Finish
MNPNA <i>Minimo Pro</i>	D <i>Fixed</i>	TR <i>Trimmed</i>	FP <i>Pinhole</i> ³	PL <i>Plus</i>	24K <i>2400K</i>	NR <i>Narrow 19°</i>	NA <i>Trimless</i>	WH <i>White</i>
	A <i>Adjustable</i>	TL <i>Trimless</i> ¹	BV <i>Beveled</i> ²		27K <i>2700K</i>	ME <i>Medium 25°</i>	WH <i>White</i>	BK <i>Black</i>
					30K <i>3000K</i>	WD <i>Wide 37°</i>	BK <i>Black</i>	MG <i>Matt Gold</i>
					35K <i>3500K</i>	VW <i>Very Wide 50°</i>	AL <i>Br. Aluminium</i>	
					40K <i>4000K</i>		RBZ <i>R. Bronze</i>	
							BR <i>Br. Brass</i>	
							PB <i>P. Brass</i>	
							CH <i>Chrome</i>	

Example code: MNPNA-D-TL-BV-PL-24K-NR-NA-WH

¹ Trimless trim finish must be NA ² MG Aperture finish only for beveled ³ Pinhole trim finishes only WH/BK/NA

Housing	Model	Trim	Output	Control	
HIC <i>Housing, IC Rated</i>	MNPNA <i>Minimo Pro</i>	TR <i>Trimmed</i> ³	PL <i>Plus</i> ¹	UNV <i>Phase/0-10V 1% Dimming</i> ²	} <i>Integral</i>
HCP <i>Housing, IC Rated Chicago Pl</i>		TL <i>Trimless</i> ³		PHSD <i>Forward/Reverse Phase</i>	
HP <i>New Construction Pan (Non-IC)</i>				010G <i>0-10V Log Dimming</i>	
HRM <i>Remote Driver (Non-IC)</i>				DALI <i>DALI-2 Dimming</i>	
Example code: HIC-MNPNA-TR-PL-UNV				DMX <i>DMX</i>	

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 ³ Trim and Output must match luminaire configuration
See Drivers, Power Supplies and Accessories sections for further order codes

LIGHT ENGINE SELECTION

This product specification sheet references our Plus light engine, this product is also available with Intense and HE static white light engines, please refer to their separate sheets.

▸ intense ◀

Precision's signature intense light engines offer tight, surgical beams combined with the highest peak intensity values available.

- Ultra-tight beams
- High Peak Cd

plus⁺

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

- Increased Lumen Output
- CRI 98 Typical

HE

Precision's high efficiency light engines deliver the highest possible lumen values as well as our outstanding energy efficiency

- Maximum Lumen Output
- Maximum Energy Efficiency

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	13.09 Kg/CO2e
CIBSE TM66	2.2
RoHS Compliance	Yes
REACH Compliance	Yes
WEEE Compliance	Yes - Registered Producer
Declare	LBC Red List Approved
Lifetime	L90B10 50,000hrs
Warranty	5 Years

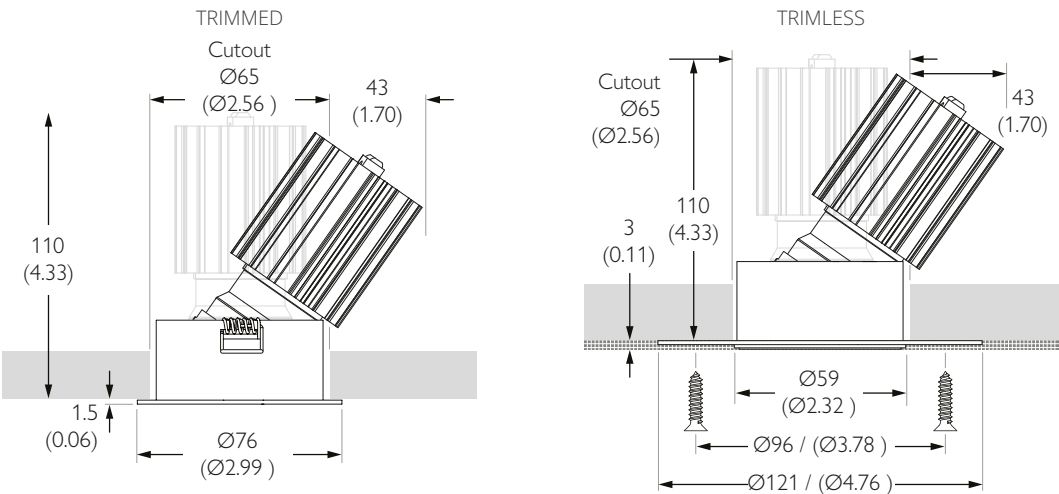
UK PART L	
Part L1A / L1B (Dwellings)	Compliant 121 lm/W Source lm (1525 lm) / Source W (12.60 W)
Part L2A (General)	-
Part L2A (Display)	Compliant 121 lm/W Source lm (1525 lm) / Source W (12.60 W)

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DIMENSIONS & FINISHES

PLUS LIGHT ENGINE

DIMENSIONS - LUMINAIRE



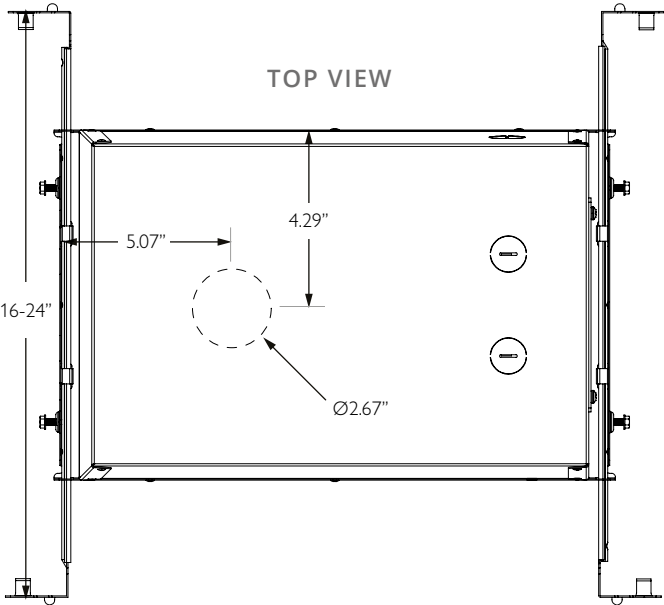
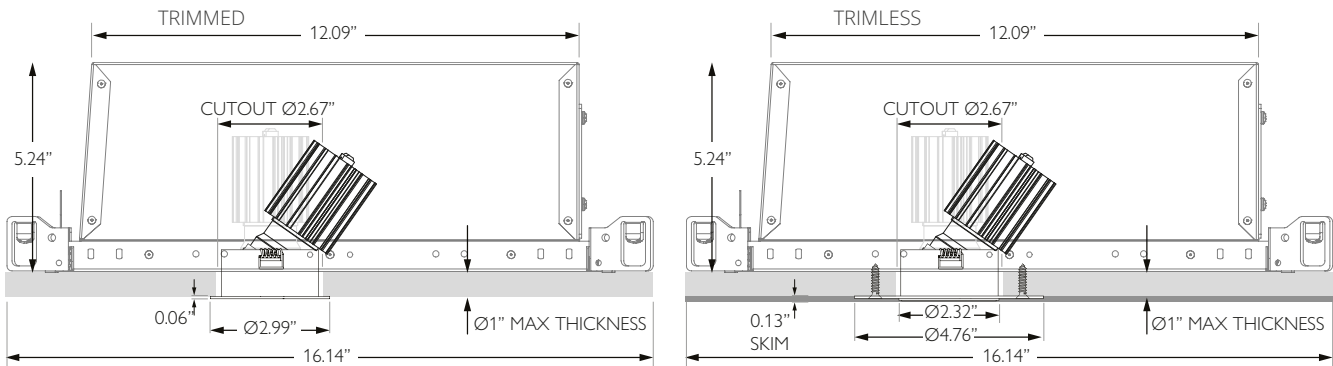
*Non-IC remodel recessed install with remote driver

MECHANICAL

Location	IP20 Indoor Dry / Damp Location Only
Mounting	Recessed
Adjustability	360 Pan 35 Tilt
Lockable	N/A
Accessories	Louver Lenses

Cutout	$\varnothing 65\text{mm}$ (2.56")
Ceiling Thickness	3-25mm (0.12-0.98")
Product Class	SELV Class III
Material	Machined AL 6063-T6
Weight	Luminaire 249g 0.55lb Housing 2553g 5.63lb

DIMENSIONS - IC HOUSING (HIC / HCP)



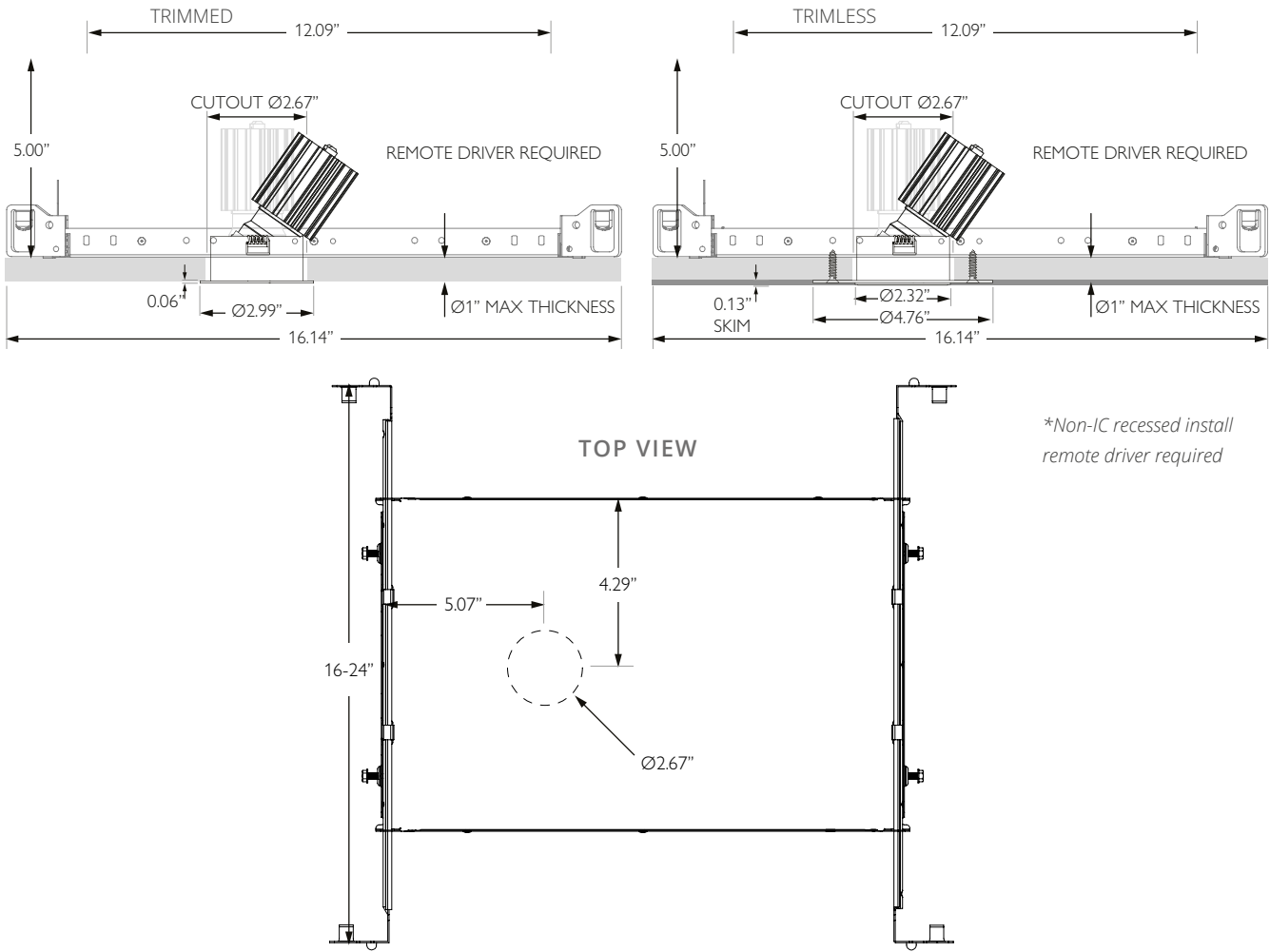
*IC recessed install with integral or remote driver

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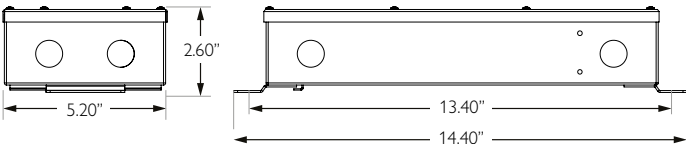
DIMENSIONS & FINISHES

PLUS LIGHT ENGINE

DIMENSIONS - NEW CONSTRUCTION PAN NON-IC (HP)



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



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DIMENSIONS & FINISHES

PLUS LIGHT ENGINE

TRIM & APERTURE TYPES



TRIMMED
PINHOLE



TRIMLESS
PINHOLE



TRIMMED
BEVELED

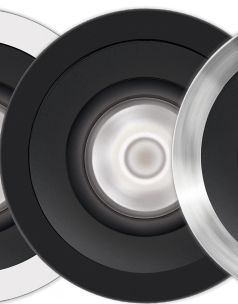


TRIMLESS
BEVELED

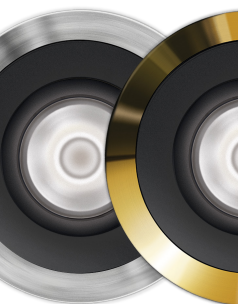
TRIM FINISHES



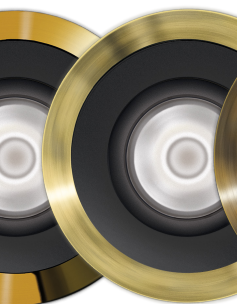
WHITE



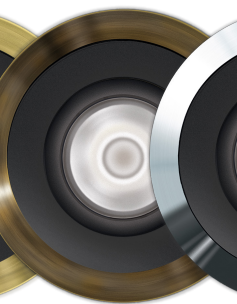
BLACK



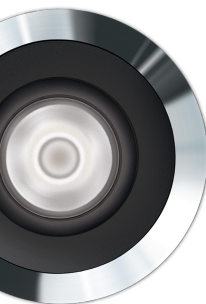
BRUSHED
ALUMINUM



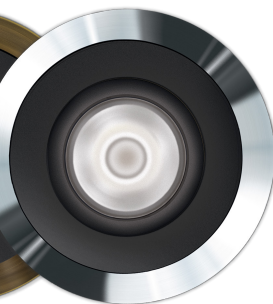
POLISHED
BRASS



BRUSHED
BRASS



RUBBED
BRONZE



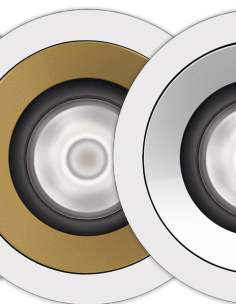
POLISHED
CHROME

APERTURE FINISHES

BEVELED



BLACK



MATTE GOLD



WHITE

PINHOLE



WHITE



BLACK

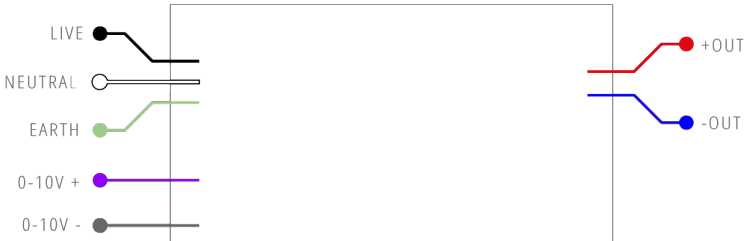
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DRIVERS & POWER SUPPLIES - NORTH AMERICA

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')

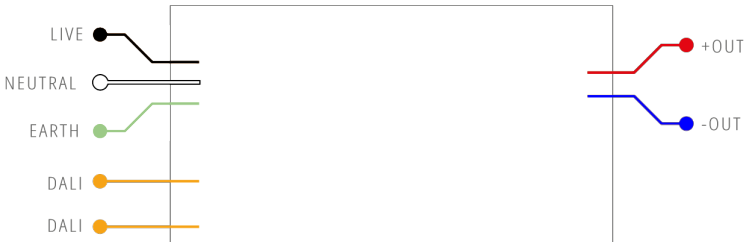


	HIC	HCP	HP	HRM		L	W	H
Max. Lights	1 only	1 only	1 only	1 only	mm	318	130	61
Order Code	HIC-MNPNA-aa-PL-010G	HCP-MNPNA-aa-PL-010G	HP-MNPNA-aa-PL-010G	HRM-MNPNA-aa-PL-010G	in	12.52	5.12	2.4

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')

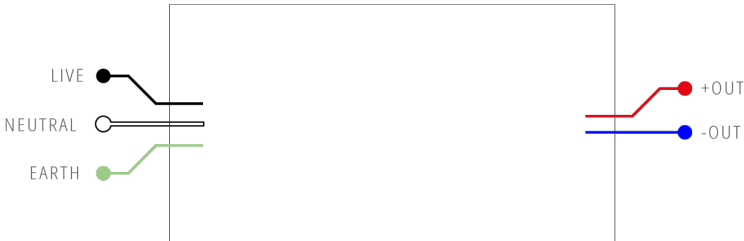


	HIC	HCP	HP	HRM		L	W	H
Max. Lights	1 only	1 only	1 only	1 only	mm	318	130	61
Order Code	HIC-MNPNA-aa-PL-DALI	HCP-MNPNA-aa-PL-DALI	HP-MNPNA-aa-PL-DALI	HRM-MNPNA-aa-PL-DALI	in	12.52	5.12	2.4

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-MNPNA-aa-PL-PHSD	HCP-MNPNA-aa-PL-PHSD	HP-MNPNA-aa-PL-PHSD	HRM-MNPNA-aa-PL-PHSD	in	12.52	5.12	2.4

Replace aa with Trim type.

MINIMO PRO PLUS - 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			
FWHM	19°		
Delivered Flux	887 lm		
Peak Intensity	6389 cd		
MEDIUM			
FWHM	25°		
Delivered Flux	1001 lm		
Peak Intensity	5069 cd		
WIDE			
FWHM	37°		
Delivered Flux	997 lm		
Peak Intensity	2473 cd		
VERY WIDE			
FWHM	50°		
Delivered Flux	912 lm		
Peak Intensity	1537 cd		

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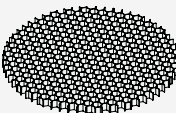
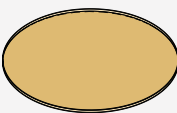
OPTICS

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. Accessories are pre-installed unless otherwise requested.

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

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