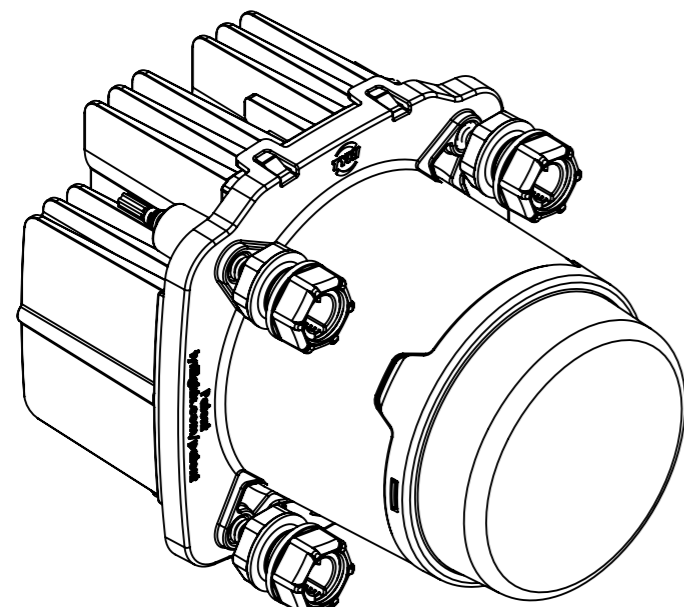
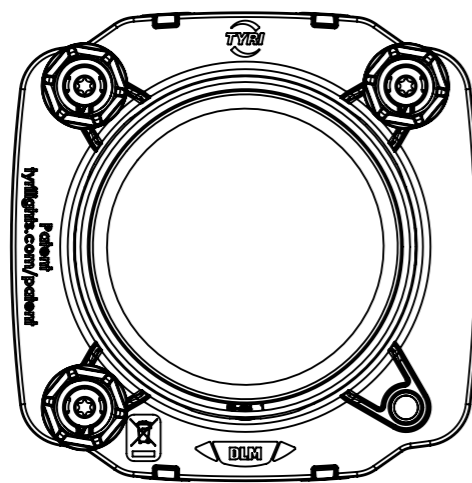


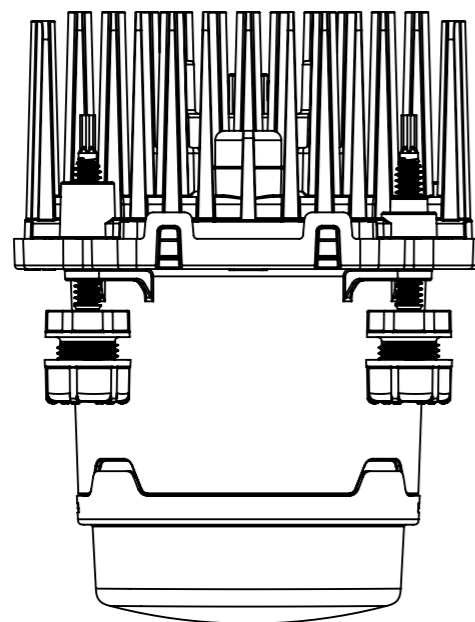
Refer to solid model for undimensioned geometry.  
Ensure to have the latest release.



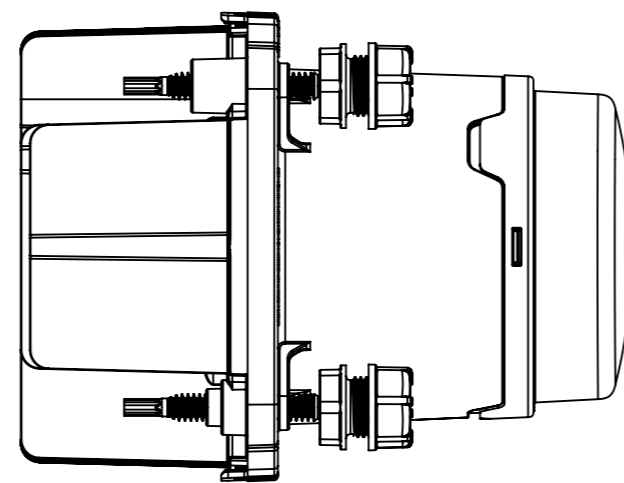
ISO VIEW



FRONT VIEW



TOP VIEW



REVISIONS

REV.	DESCRIPTION	DATE	CREATED BY	PR/ECO
A	Preliminary release.	2025-08-13	AT	PR115
B	Added panel thickness dimension on page 3. Electrical data updated. Homologation numbers added.	2025-10-27	AT	PR115
C	Pin mapping updated.	2026-01-19	AT	PR115

TYRI Part no.	Version	R149	R10
D9LM01-001	RHT	12,5 HCR PL (E5) R149R00 0005	(E5) 10 R-06 0741
D9LM02-001	LHT	T.B.A	T.B.A

Function	Input voltage range	Typical continuous current	Inrush current
High Beam	9-32VDC	12VDC: 3,2A 24VDC: 1,4A	12VDC: No inrush current. 24VDC: 2,2A
Low Beam	9-32VDC	12VDC: 1,4A 24VDC: 0,7A	-

Parameter	Test standard	Level
Mechanical vibration	MIL-STD-202G, method 214A	10G Random vibration. 5-2000Hz, 3 axes, 8hrs/axis. Operating mode.
Mechanical shock	ISO 15003;2006	50g 11ms
Salt spray	ASTM B117/IEC 60068-2-11/ISO 9227	500h
Dust, Steam Pressure water	IEC 60529/DIN40050	IP69K
Environmental cycle	ISO 15003:2006	-40 - +70°C. 8h x 100 cycles.



HOMOLOGATED ACCORDING TO ECE R149 AND ECE R10

EMC-CLASS (ALL FUNCTIONS): EN55025 CLASS 4

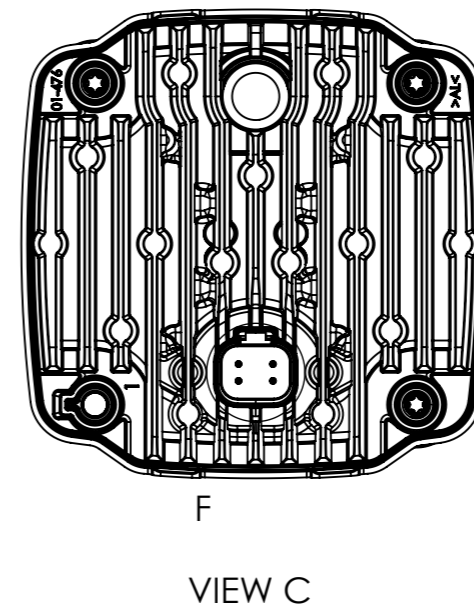
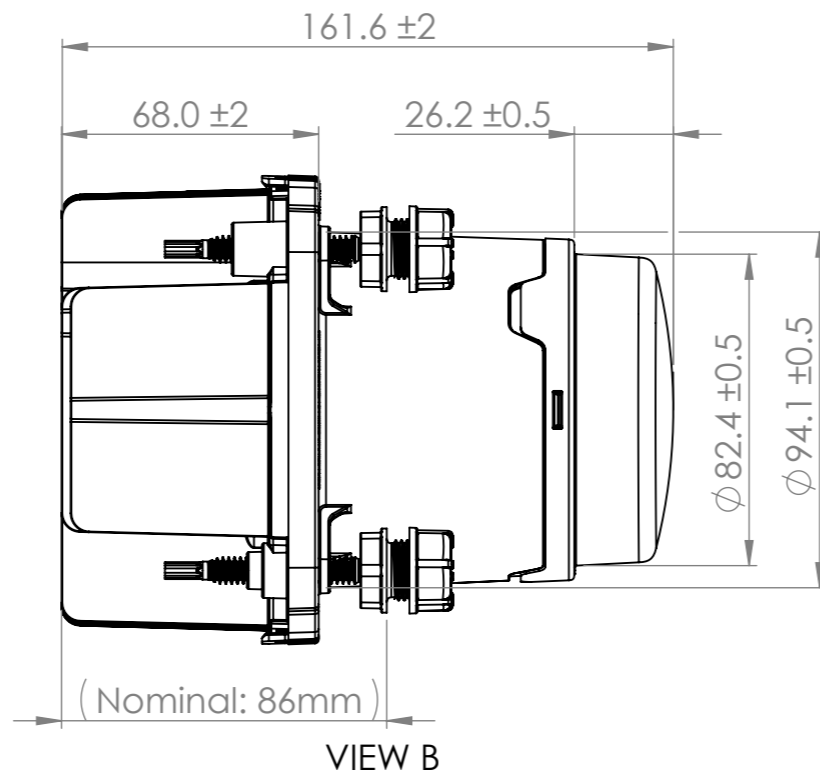
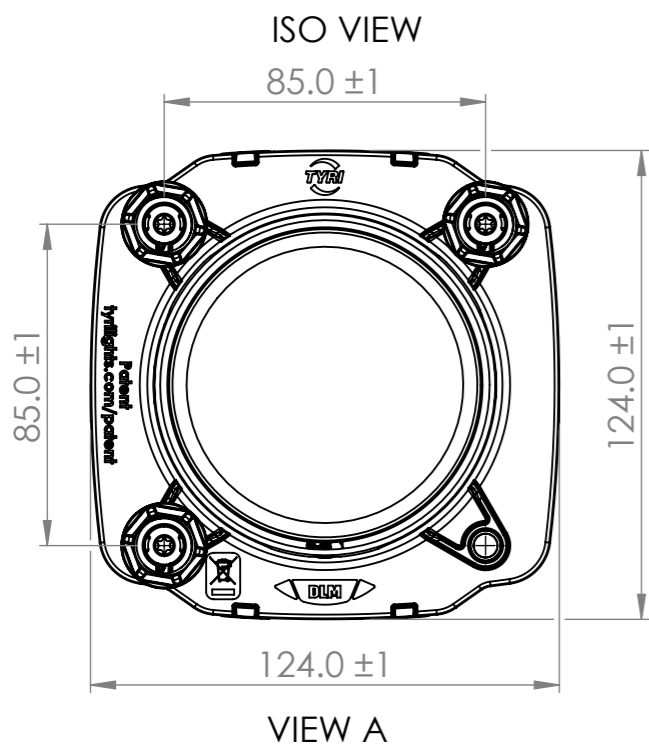
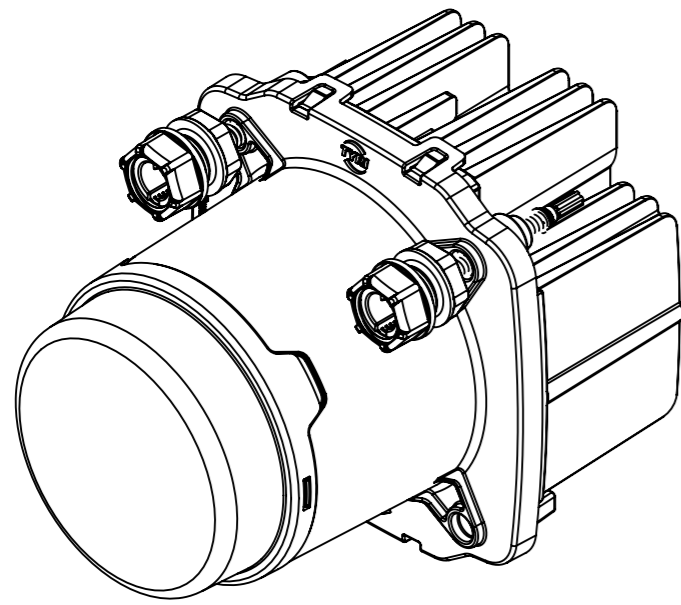
COLOR TEMPERATURE:

- Hi/Lo BEAM: 5700K
- OPERATING TEMPERATURE: -40°C to +70°C
- WEIGHT: 1,1 kg

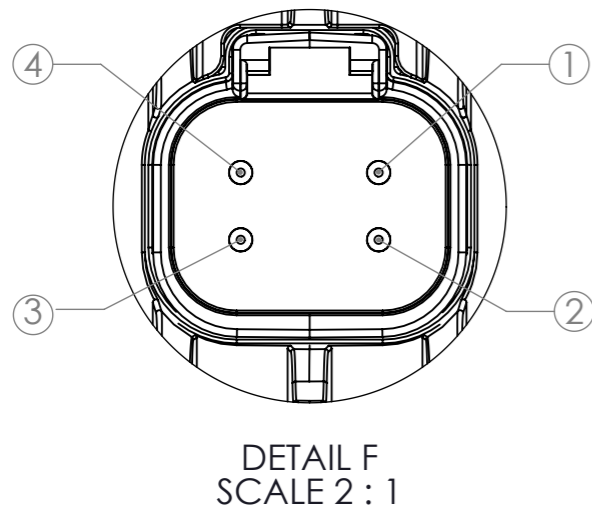
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Material	-	Drawn by - Date	AT 2025-12-02	Approved by - Date	PR 2026-01-20	<b>Unless otherwise stated:</b> Sharp edges broken Dimension before surface treatment				
Surface Treatment	-	Color	-	Min Draft Angle	0°	Fillet Radii	-	Ra	-	
 Title/Name (English) D9LM01, D9LM02	Phase	Released			General Tolerances ISO 2768-class	mK			Projection Method	
	Drawing Number	D9LM0X-001	Page number	1 of 4	Revision	C	Scale	1:2	Size	A3

Refer to solid model for undimensioned geometry.  
Ensure to have the latest release.



**PIN ASSIGNMENT**  
CORRESPONDING MATING CONNECTOR: DT04-4S  
DETAIL G  
SCALE 2 : 1



Low Beam	1
High Beam	2 or 1+2
Ground	4
Ground	3

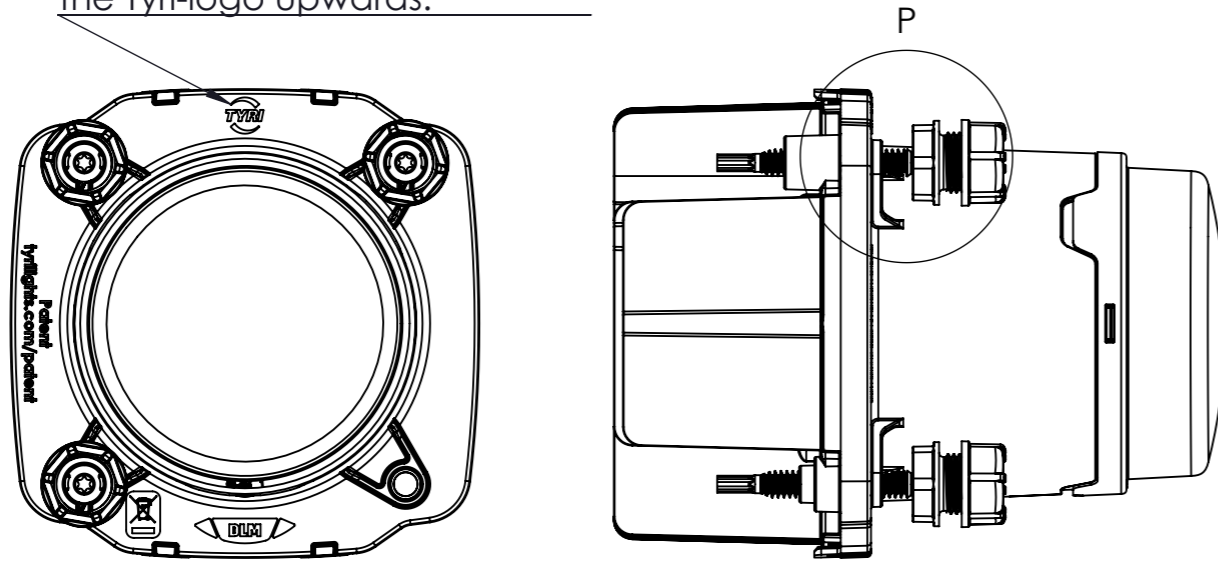


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Material	Drawn by - Date	Approved by - Date	<b>Unless otherwise stated:</b> Sharp edges broken Dimension before surface treatment		
-	AT 2025-12-02	AT 2024-08-26	Min Draft Angle	Fillet Radii	Ra
Surface Treatment	Color		- °	-	-
-	State		General Tolerances ISO 2768-class	Projection Method	
	Title/Name (English) D9LM01, D9LM02		mK		
Drawing Number		Page number	Revision	Scale	Size
D9LMOX-001		2 of 4	C	1:2	A3

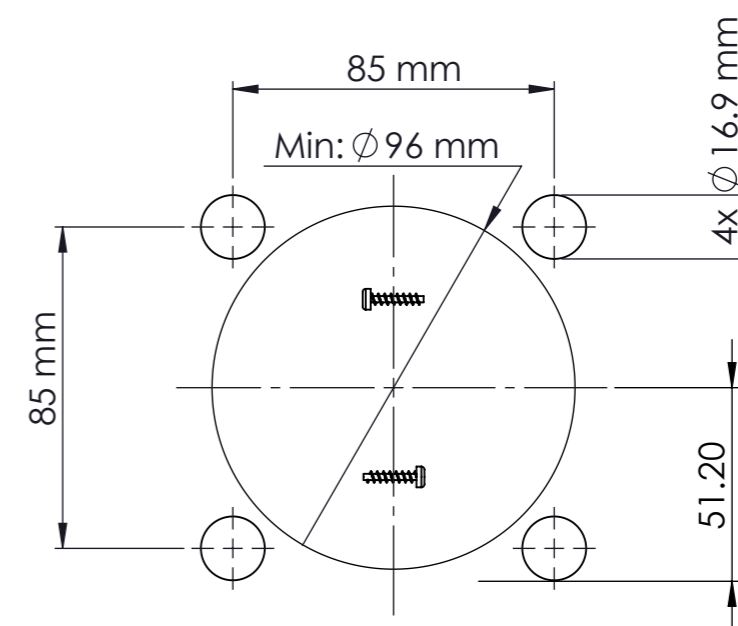
### Unit assembly orientation

The light must be installed with the Tyri-logo upwards.

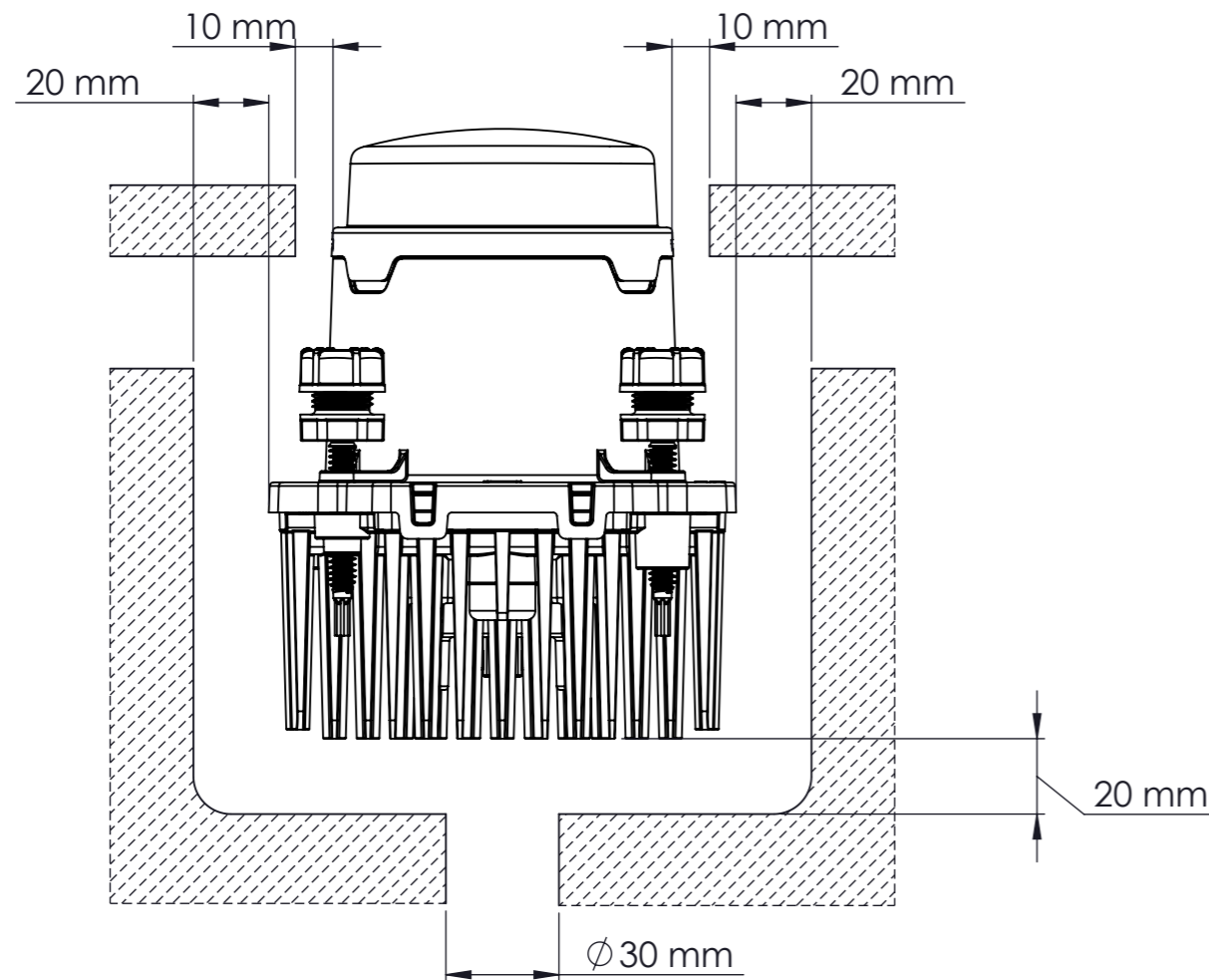


### Mounting interface template.

Panel thickness: 2-6mm



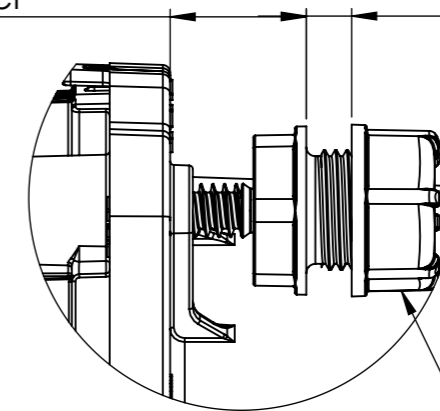
### Integrated assembly - Minimum cavity dimensions



### Tilt screw


Distance to panel  
Nom: 18mm

Panel thickness: 2-6mm



Tightening torque: 5Nm ±0,5Nm

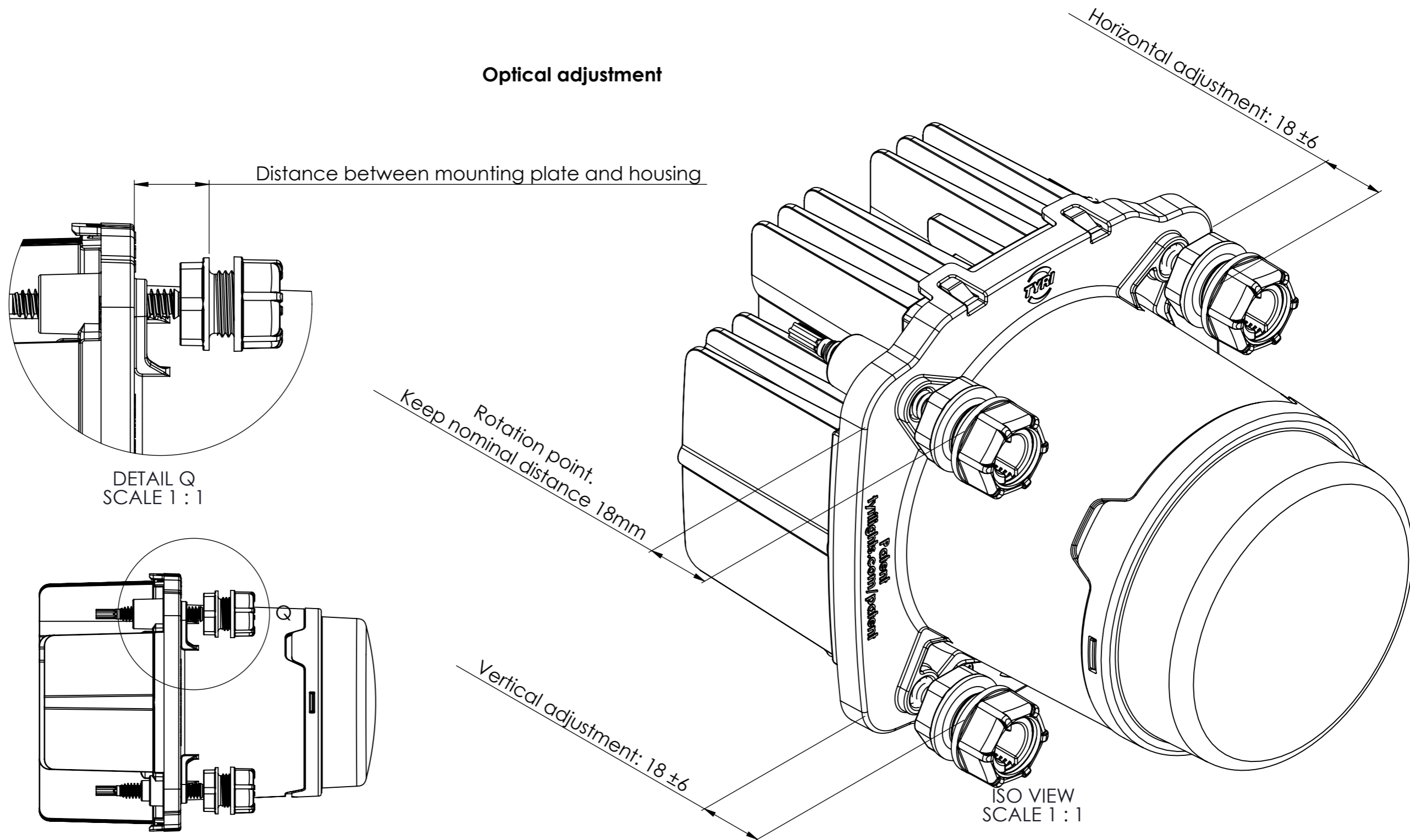
DETAIL P  
SCALE 1 : 1



Material	Drawn by - Date	Approved by - Date	Unless otherwise stated: Sharp edges broken Dimension before surface treatment		
-	AT 2025-12-02	PR 2026-01-20	Min Draft Angle	Fillet Radii	Ra
Surface Treatment	Color		-	-	-
-	Phase		General Tolerances ISO 2768-class	Projection Method	
 Title/Name (English) D9LM01, D9LM02		Released		mK	
		Drawing Number D9LM0X-001	Page number 3 of 4	Revision C	Scale 1:5

Refer to solid model for undimensioned geometry.  
Ensure to have the latest release.

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### Optical adjustment



Material	-	Drawn by - Date	AT 2025-12-02	Approved by - Date	PR 2026-01-20	<b>Unless otherwise stated:</b> Sharp edges broken Dimension before surface treatment			
Surface Treatment	-	Color	-	Min Draft Angle	-°	Fillet Radii	-	Ra	-
 Title/Name (English) D9LM01, D9LM02	Phase	Released		General Tolerances ISO 2768-class	mK		Projection Method		
	Drawing Number	D9LM0X-001	Page number	4 of 4	Revision	C	Scale	1:5	Size