



LENS PRODUCT DESCRIPTION STANDARD FAQ

VERSION 1.00

September 2023

©2023 The Vision Council

Developed by:

Lens Division of The Vision Council

Lens Product Description Standard Committee

The Vision Council

225 Reinekers Lane Suite 700

Alexandria, VA 22314

thevisioncouncil.org

Lens Product Description Standard FAQ

Version 1.00, September 2023

Table of Contents

1.	FAQ for Consumers of the Standard	3
-----------	--	----------

1. FAQ for Consumers of the Standard

1.1. LDS to LPDS Conversions

When converting elements from the LDS to the LPDS, please use the following grid to determine how elements from the LDS will appear in the LPDS.

LDS Field	LPDS Node	Notes
MFG	Becomes MFG portion of the node ID	Managed by OPC platform
Class	BlankCollections/BlankCollection/Class	FIN/SFN
Description	Deprecated	Replaced by concatenated descriptors
Material	Materials/Material/Category	
Material Brand	Materials/Material/Brand	
Product Name	Products/Product/ProductName	
Style	Designs/Design/LTYPE	Available literals found in the DCS
Filter	Parsed	
Coating	Parsed	
Coating Brand	Treatments/Treatment/Brand	
Right OPC	Blanks/Blank/RightOPC	
Left OPC	Blanks/Blank/LeftOPC	
Diameter	Blanks/Blank/DIA	
Sph/Base	Blanks/Blank/MBASE	FIN -> SPH / SFN -> MBASE
Cyl/Add	Blanks/Blank/ADD	FIN -> CYL / SFN -> ADD
Frnt Rad	Blanks/Blank/FRNTR	
Bck Rad	Blanks/Blank/BACKR	
C Thk	Blanks/Blank/BCTHK	
E Thk	Blanks/Blank/BETHK	
LRP In	Layouts/Layout/BCSGIN	
LRP Down	Layouts/Layout/BCSGUP	
d Index	Materials/Material/dIndex	

N Ref	Deprecated	
e Index	Materials/Material/eIndex	
Abbe	Materials/Material/ABBE	
Density	Materials/Material/Density	
PRP Out	Layouts/Layout/SGOCIN	
PRP Up	Layouts/Layout/SGOCUP	
Seg Wd	Layouts/Layout/SWIDTH	
Seg Thk	Blanks/Blank/SEGTHK	
Int Ht	Layouts/Layout/IntermediateHt	Add to DCS?
Slab	Blanks/Blank/SLBP	
Car Rad	Blanks/Blank/CCCARR	
Bwl Diam	Blanks/Blank/CCBOWL	
Hor Diam	Blanks/Blank/UsableHorizontalDiameter	Add to DCS?
Ver Diam	Blanks/Blank/UsableVerticalDiameter	Add to DCS?
Dia Diam	Deprecated	
Seg Sep	Layouts/Layout/SEGSEP	
Up Add	Blanks/Blank/ADDU	
Special	Parsed	Usable Diameter encroachment, ExcludedTreatmentTypes
Cat Code	Blanks/Blank/ReferenceID	Generally replaced by auto-generated blank collection ID's, but optionally available
Filter Brand	Treatments/Treatment/Brand	For filters
DRP In	Layouts/Layout/ERDRIN	Convert assuming PRP and ERP are coincident so use ERDRxx
DRP Up	Layouts/Layout/ERDRUP	
NRP In	Layouts/Layout/ERNRIN	Convert assuming PRP and ERP are coincident so use ERNRxx
NRP Up	Layouts/Layout/ERNRUP	
Nom Diam	Blanks/Blank/LSIZ	
Obj Clear	Blanks/Blank/PLRLOC	
Obj Rad	Blanks/Blank/PLRCRV	

1.2. Importance for Lab Management Software

- 1) Why should I care about the Lens Product Description Standard?
 - a. The goal of this document is to facilitate the distribution of information from the producers of lenses and designs to the consumers of that information – laboratory and practice management software. You will only need to do the work to automate the processing of standard files once, no matter the number of sources that supply you this information.
- 2) How do I get to all technical information behind a given Product?
 - a. A Product can be loosely coupled to lens blanks when the Product is defined by a lens designer that does not produce its own lens blanks. In all cases, however, there is a single related Design for a given product, which defines the layout information of the finished product.
- 3) For a given lens blank, how do I get all of its technical properties?
 - a. You must inspect the Blank Collections in the catalog to determine which collection contains the blank in which you are interested. That Blank Collection will link to related Material, Design, and Class of all lens blanks contained in that Blank Collection. All other technical details that are specific to the Blank are present at the Blank level.
- 4) How do I tell what Blanks I can use for a given Product?
 - a. This will depend on how the Product is defined, and will use the following priority of available information.
 - i. If a BlankCollectionID is specified, then the Blanks available for use are those listed in the Blank Collection.
 - ii. If a MaterialRangeID is specified, then all Blanks which meet the requirements of the Material Range are available.
 - iii. If a MaterialID is specified, then all Blanks which share that Material are available.
 - b. The above set of Blanks is constrained by the requirements of the related Base Curve Chart referenced in the Product
 - c. The above set of Blanks is constrained by the requirements of the Treatments specified on the Product.

1.3. Importance for Practice Management Software

- 1) Why should I care about the Lens Product Description Standard?
 - a. The Standard describes ordering constraints that may determine a patient's eligibility for a particular lens design. Additionally, it can define additional parameters that may be necessary to capture at the time of ordering a design – information that may only be available from the patient.